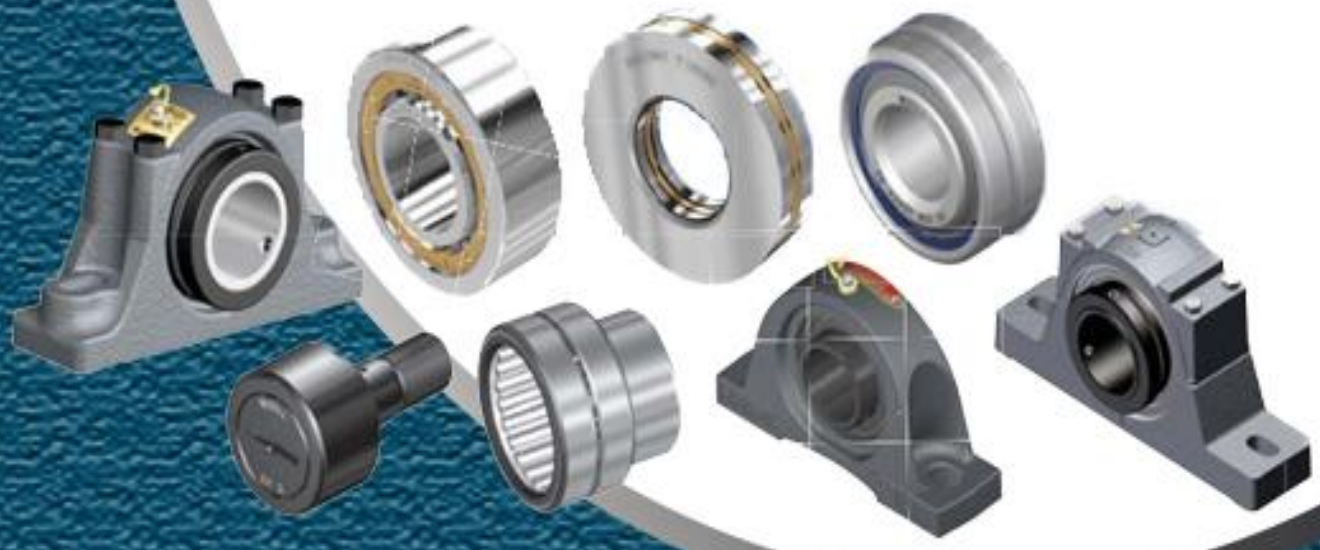
SUMINISTROS INDUSTRIALES DÍAZ

CATÁLOGO

SEALMASTER

BEARING PRODUCT CATALOG



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Mounted Ball Bearings

Modular bearing assembly consisting of sealed and lubricated inch or metric ball bearing contained within a variety of housings types, locking mechanisms, mounting styles, and housing materials. Mounted ball bearings provide an anti-friction solution when supporting rotating shafts with radial loads.

Housing Styles

Pillow Block, Flanges, Take Up Assemblies

Locking Styles

Setscrew, Double Setscrew, Concentric And Eccentric

Bore Diameter Size Range

½” To 4 15/16” And 20 mm To 100 mm

Housing Materials

Cast & Ductile Iron, Stamped Steel

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SUMINISTROS INDUSTRIALES DÍAZ

Browning SEALMASTER® Mounted Ball Bearings

Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Double Setscrew
Sealmaster		NP	Two Bolt Pillow Block - High Base	Standard	NP	NP-T	NPD
		NPL	Two Bolt Pillow Block - Low Base	Standard	NPL	NPL-T	
		SP	Two Bolt Pillow Block - Heavy Duty	Standard	SP	SP-T	SPD
		MP	Two Bolt Pillow Block - High Base	Medium	MP	MP-T	MPD
		MFP	Four Bolt Pillow Block - High Base	Medium	MFP		MFPD
		MSPD	Two Bolt Pillow Block - Heavy Duty	Medium			MSPD
		MSFPD	Four Bolt Pillow Block - Heavy Duty	Medium			MSFPD
		SPM	Two Bolt Pillow Block - Heavy Duty	Medium	SPM		
		TB	Tapped Base Pillow Block	Standard	TB	TB-T	
		SF	Four Bolt Flange	Standard	SF	SF-T	
		MSF	Four Bolt Flange	Medium	MSF	MSF-T	
		SFT	Two Bolt Flange	Standard	SFT	SFT-T	
		MSFT	Two Bolt Flange	Medium	MSFT	MSFT-T	

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Cast Iron	Felt	Contact	1/2” - 2 15/16”	20mm - 75mm	Performance Mounted Ball Bearings	G-31 to G-33
			1/2” - 2 11/16”	20mm - 60mm		G-34 to G-35
			13/16” - 3 7/16”	36mm - 80mm		G-36 to G-38
			15/16” - 4”	25mm - 100mm		G-39 to G-41
			1 15/16” - 5”	50mm - 100mm		G-42 to G-43
			1 11/16” - 4 15/16”	N/A		G-44
			1 15/16” - 4 15/16”	N/A		G-45
			1 3/16” - 2 1/2”	N/A		G-46
			1/2” - 2”	20mm - 50mm		G-47 to G-48
			1/2” - 2 15/16”	20mm - 75mm		G-49 to G-50
			15/16” - 4 15/16”	25mm - 100mm		G-51 to G-52
			1/2” - 2 3/16”	20mm - 55mm		G-53 to G-54
			15/16” - 2”	25mm - 50mm		G-55 to G-56

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Browning SEALMASTER® Mounted Ball Bearings

Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Double Setscrew
Sealmaster		FB	Flange Bracket	Standard	FB	FB-T	
		SFC	Piloted Flange Cartridge	Standard	SFC	SFC-T	
		MFC	Piloted Flange Cartridge	Medium	MFC	MFC-T	MFCD
		SEHB	Hanger Bearing External Lube	Varies	SEHB	SEHB-T	SEHBD
		SCHB	Hanger Bearing Internal Lube	Varies	SCHB		
		SC	Cylindrical Cartridge	Standard	SC	SC-T	
		MSC	Cylindrical Cartridge	Medium	MSC	MSC-T	
		ST	Wide Slot Take Up	Standard	ST	ST-T	
		MST	Wide Slot Take Up	Medium	MST	MST-T	
		STH	Center Pull Take Up Frame	Standard	STH		
		MSTH	Center Pull Take Up Frame	Medium	MSTH		
		TF/TFS	Top Mount Take Up Frame	Standard			
		TFT-T	Two Bolt Flange	Standard		TFT-T	

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Cast Iron	Felt	Contact	1/2” - 2”	20mm - 50mm	Performance Mounted Ball Bearings	G-57 to G-58
			1 1/8” - 3 3/16”	30mm - 80mm		G-59 to G-60
			15/16” - 4”	25mm - 100mm		G-61 to G-63
Ductile Iron			15/16” - 4”	25mm - 100mm		G-64 to G-66
			15/16” - 4”	25mm - 100mm		G-67
Cast Iron			1/2” - 2 15/16”	20mm - 75mm		G-68 to G-69
			15/16” - 4”	25mm - 100mm		G-70 to G-71
			1/2” - 3 7/16”	20mm - 80mm		G-72 to G-73
			15/16” - 4”	25mm - 100mm		G-74 to G-75
N/A	N/A	N/A	7/8” - 2 15/16”	25mm - 75mm		G-76 to G-78
			1 11/16” - 2 1/2”	N/A		G-79
			7/8” - 2 3/16”	25mm - 55mm		G-80 to G-82
Ductile Iron	Felt	Contact	15/16” - 1 7/16”	N/A		G-83

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Browning SEALMASTER® Mounted Ball Bearings

Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Double Setscrew
Sealmaster		SRF	Rubber Mounted Flange	Light	SRF		
		SRP	Rubber Mounted Pillow Block	Light	SRP		
		SRC	Rubber Mounted Cartridge	Light	SRC		
		RB	Rubber Mount Insert	Light	RB		
		AR-2	Expansion Insert	Standard	AR-2	AR-2-T	
		AR-3	Expansion Insert	Medium	AR-3	AR-3-T	
		2-	Insert	Standard	2-	2-T	2-D
		3-	Insert	Medium	3-	3-T	3-D
		ER	Cylindrical O.D. Insert	Standard	ER	ER-T	
		NPMH	Pillow Block	Standard	NPMH	NPMH-T	
		TBMH	Tapped Base Pillow Block	Standard	TBMH	TBMH-T	
		SFMH	Four Bolt Flange	Standard	SFMH	SFMH-T	
		SFTMH	Two Bolt Flange	Standard	SFTMH	SFTMH-T	

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Stamped Steel	Felt	Contact	1/2" - 1 1/4"	N/A	Performance Mounted Ball Bearings	G-84
			1/2" - 1 1/4"	N/A		G-85
Rubber			1/2" - 1 1/4"	N/A		G-86
N/A			1/2" - 1 1/4"	N/A		G-87
Brass			1/2"-3 1/2"	20mm - 90mm		G-88 to G-89
			15/16" - 4"	25mm - 100mm		G-90 to G-91
N/A			1/2" - 3 1/2"	20mm - 90mm		G-92 to G-94
			15/16" - 4 15/16"	25mm - 100mm		G-95 to G-97
			1/2" - 4"	20mm - 80mm	Performance Cylindrical O.D. Bearings (ER)	G-107 to G-108
Cast Iron	Contact Seal + Flinger	N/A	1" - 2 3/16"	N/A	Material Handling Bearings	G-113 to G-114
			1" - 1 15/16"	N/A		G-115 to G-116
	Contact + Flinger		1" - 2 7/16"	N/A		G-117 to G-118
			1" - 2 3/16"	N/A		G-119 to G-120

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Browning SEALMASTER® Mounted Ball Bearings

Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Double Setscrew
Sealmaster		FBMH	Flange Bracket	Standard	FBMH	FBMH-T	
		STMH	Wide Slot Take Up	Standard	STMH	STMH-T	
		MH	Insert	Standard	MH	MH-T	
		PVR-x3xx	Pillow Block	Varies			
		PVR-x4xx	Tapped Base Pillow Block	Varies			
		PVR-x5xx	Four Bolt Flange	Varies			
		PVR-x6xx	Two Bolt Flange	Varies			
		PVR-x1xx	Piloted Flange Cartridge	Varies			
		PVR-x2xx	Hanger Bearing	Varies			
		PVR-x7xx	Cylindrical Cartridge	Varies			

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Cast Iron	Contact + Flinger	N/A	1" - 1 15/16"	N/A	Material Handling Bearings	G-121 to G-122
			1" - 2 3/16"	N/A		G-123 to G-124
N/A			1" - 2 7/16"	N/A		G-125 to G-126
Varies	Varies		1 1/8" - 1 3/4"	N/A	Paver Bearings	G-130
			1" - 2"	N/A		G-131
			1 1/2" 2 11/16"	N/A		G-132
			1 7/16" - 2"	N/A		G-133
			1 15/16" - 2 3/16"	N/A		G-134
			2" - 2 11/16"	N/A		G-135
			1 3/4"	N/A		G-136

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Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Eccentric
Browning		VP 100	Two Bolt Pillow Block - High Base	Intermediate	VPS 100		VPE 100
		VP 200	Two Bolt Pillow Block - High Base	Standard	VPS 200	VPB 200	VPE 200
		VP 300	Two Bolt Pillow Block - High Base	Medium	VPS 300	VPB 300	
		VPL 100	Two Bolt Pillow Block - Low Base	Intermediate	VPLS 100		VPLE 100
		VPL 200	Two Bolt Pillow Block - Low Base	Standard	VPLS 200	VPLB 200	VPLE 200
		VPD 200	Two Bolt Pillow Block - Alternate Base	Standard	VPDS 200		
		VTB 100	Tapped Base Pillow Block	Intermediate			VTBE 100
		VTB 200	Tapped Base Pillow Block	Standard	VTBS 200	VTBB 200	
		VF4 100	Four Bolt Flange	Intermediate	VF4S 100		VF4E 100
		VF4 200	Four Bolt Flange	Standard	VF4S 200	VF4B 200	VF4E 200
		VF4 300	Four Bolt Flange	Medium	VF4S 300	VF4B 300	
		VF2 100	Two Bolt Flange	Intermediate	VF2S 100		VF2E 100
		VF2 200	Two Bolt Flange	Standard	VF2S 200	VF2B 200	VF2E 200

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Cast Iron	Contact	N/A	1/2" - 2 3/16"	N/A	Mounted Ball Bearings	G-145 to G-146
	Contact + Flinger		1/2" - 2 15/16"	20 mm - 60 mm		G-147 to G-150
			1" - 2 3/16"	N/A		G-151 to G-152
	Contact		1/2" - 2 3/16"	N/A		G-153 to G-154
	Contact + Flinger		1/2" - 2 7/16"	N/A		G-155 to G-157
			1 3/16" - 1 1/2"	N/A		G-158
	Contact		3/4" - 2"	N/A		G-159
	Contact + Flinger		1/2" - 2"	20mm - 50mm		G-160 to G-162
	Contact		1/2" - 2 3/16"	N/A		G-163 to G-164
	Contact + Flinger		1/2" - 2 7/16"	20mm - 60mm		G-165 to G-168
			1" - 2 3/16"	N/A		G-169 to G-170
	Contact		1/2" - 2 3/16"	N/A		G-171 to G-172
	Contact + Flinger		1/2" - 2 7/16"	20mm - 60mm		G-173 to G-176

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Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Eccentric
Browning		VF2 300	Two Bolt Flange	Medium	VF2S 300	VF2B 300	
		VFB 200	Flange Bracket	Standard	VFBS 200	VFBB 200	
		VFC 200	Piloted Flange Cartridge	Standard	VFCS 200	VFCB 200	
		VFC 300	Piloted Flange Cartridge	Medium	VFCS 300	VFCB 300	
		VTW 100	Wide Slot Take Up	Intermediate	VTWS 100		VTWE 100
		VTW 200	Wide Slot Take Up	Standard	VTWS 200		VTWE 200
		VTW 300	Wide Slot Take Up	Medium	VTWS 300		
		SF	Center Pull Take Up Frame	Standard	xSFxx		
		TF/TFS	Top Mount Take Up Frame	Standard	xTFSxx		
		VP 100M	Pillow Block	Intermediate	VPS100-M		
		VF2 100M	Two Bolt Flange	Intermediate	VF2S100-M		
		VF3 100M	Three Bolt Flange	Intermediate	VF3S100-M		
		SSP 100	Pillow Block	Light	SSPS 100		

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Cast Iron	Contact + Flinger	N/A	1" - 2"	N/A	Mounted Ball Bearings	G-177 to G-178
			3/4" - 2"			G-179 to G-180
			1 1/8" - 2 7/16"			G-181 to G-182
			1" - 2 1/4"			G-183 to G-184
	Contact		3/4" - 2 3/16"			G-185 to G-186
	Contact + Flinger		1/2" - 2 7/16"			G-187 to G-188
			1" - 2 1/4"			G-189
N/A	N/A		1/2" - 2 7/16"			G-190
			3/4" - 2 7/16"			G-191
Ductile Iron	Contact		1/2" - 1 7/16"			G-192
			1/2" - 1 7/16"			G-193
			1/2" - 1 7/16"			G-194
Stamped Steel			7/8" - 1 1/4"			G-195

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Browning SEALMASTER® Mounted Ball Bearings

Mounted Ball Bearing Selection Guide

					Lock Type		
Brand	Image	Series	Housing Style	Duty	Setscrew	Concentric	Eccentric
Browning		SSRP 100	Pillow Block	Light	SSRPS 100		
		SSF4 100	Four Bolt Flange	Light	SSF4S 100		
		SSF3 100	Three Bolt Flange	Light	SSF3S 100		
		SSF3T 100	Three Bolt Flange	Light	SSF3TS 100		
		SSF2 100	Two Bolt Flange	Light	SSF2S 100		
		RUBR 100	Rubber Grommet	Light	RUBRS 100	RUBRB 100	RUBRE 100
		SL 100	Cylindrical O.D. Insert	Light	SLS 100		
		L 100	Insert	Light	LS 100		
		LR 100	Insert	Light	LRS 100		
		V 100	Insert	Intermediate	VS 100		VE 100
		V 200	Insert	Standard	VS 200	VB 200	VE 200
		V 300	Insert	Medium	VS 300	VB 300	
		VER 200	Cylindrical O.D. Insert	Standard	VER 200		

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			Size Range			
Housing Material	Standard Seal	Seal Options	Inch	Metric	Section Name	Pages
Stamped Steel with Rubber Grommet	Contact	N/A	3/4" - 1"	N/A	Mounted Ball Bearings	G-196
Stamped Steel			1 1/2" - 1 15/16"			G-197
			3/4" - 1 7/16"			G-198
			3/4" - 1 1/4"			G-199
			1/2" - 1 1/4"			G-200
Rubber			1/2" - 1"			G-201 to G-202
N/A			1/2" - 1 1/2"			G-203
			1/2" - 1 15/16"			G-204
			3/4" - 1 1/4"			G-205
			1/2" - 2 3/16"			G-206 to G-207
	Contact + Flinger		1/2" - 2 7/16"	20mm - 60mm		G-208 to G-211
			1" - 2 3/16"	N/A		G-212 to G-213
			1/2" - 2 7/16"		Cylindrical O.D. Insert Bearings	G-218

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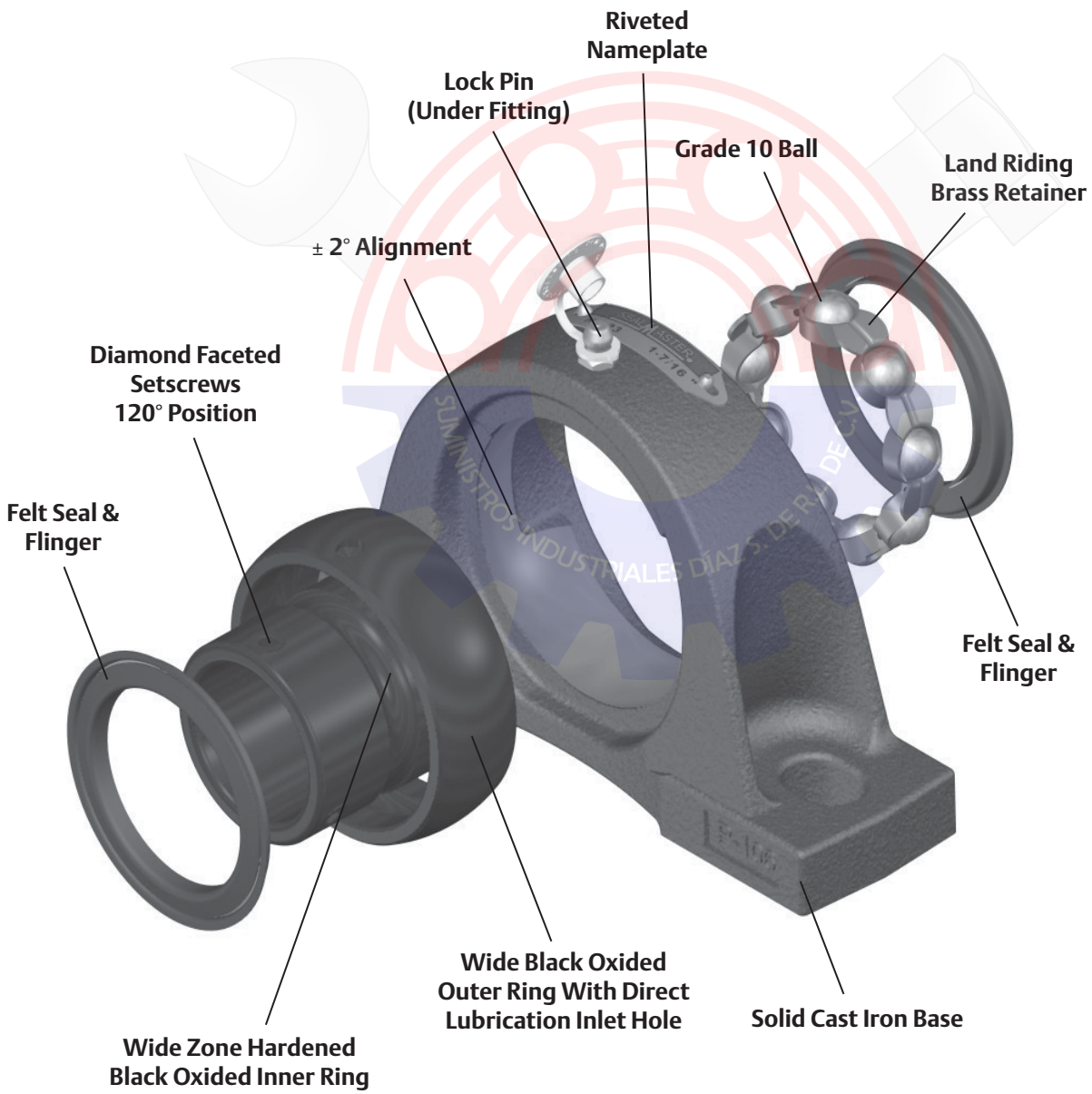
SUMINISTROS INDUSTRIALES DÍAZ

Sealmaster Gold Mounted Ball Bearings

Sealmaster Gold mounted ball bearings feature a wide outer race insert bearing with land riding metallic retainer. The black oxide treated bearing steel insert features an exclusive lock pin and dimple system providing a direct path for lubrication into the bearing, and prevents outer ring rotation within the housing. Shaft lock is achieved by either setscrew or Skwezloc® concentric locking collar. The felt seal with flinger provide a good balance between contaminant entry, GoldPlex® HP grease loss and friction. Depending on your preference, these bearings are available in both inch and metric shaft sizes with a wide variety of cast iron, stamped steel or rubber mount housings, sealing, and lubrication options or industry specific solutions as illustrated on the pages to follow.



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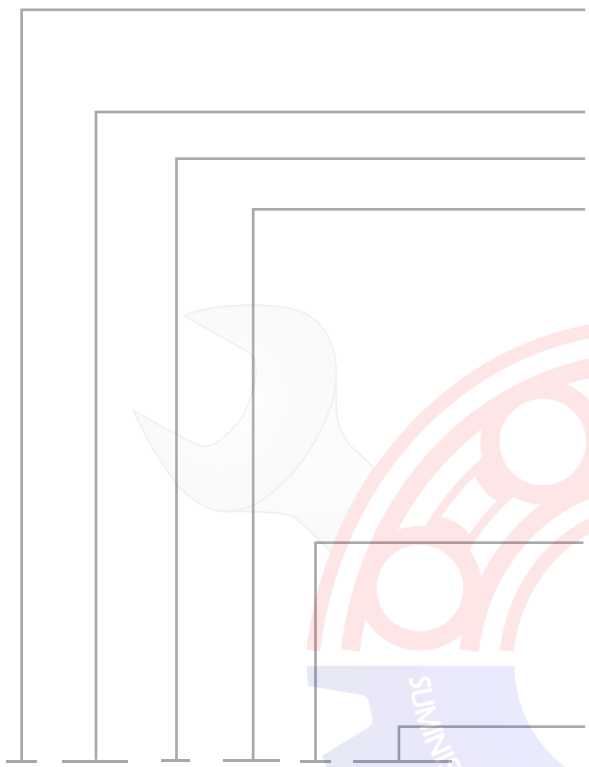
Sealmaster Gold Mounted Ball Nomenclature

Housing Units



Prefix
E - Expansion Unit
Housing* (see table below)
D - Double Setscrew Locking
Bore Size
Inch - ##/16 (ex. 20/16 = 1 1/4")
R for 1 1/4" and 2" Reduced Only
Metric - Standard Duty - 2##, ## x 5 mm (ex. 05 = 25 mm)
Medium Duty - 3##, ## x 5 mm (ex. 07 = 35 mm)
Standard Option
T - Skwezloc® Locking Collar
M - Metric Hardware (Metric-SKWEZ™)
C - Contact Seal
Common Options* (see table below)

E NP D-20 T CXU

*Housing	Housing Style	Bearing Duty
FB	Flange Bracket	Standard
MFC	Piloted Flange Cartridge	Medium
MFP	Four Bolt Pillow Block - High Base	Medium
MP	Pillow Block - High Base	Medium
MSC	Cylindrical Cartridge	Medium
MSF	Four Bolt Flange	Medium
MSFPD	Four Bolt Pillow Block - High Base	Medium
MSFT	Two Bolt Flange	Medium
MSPD	Four Bolt Pillow Block - High Base	Medium
MST	Wide Slot Take Up	Medium
NP	Pillow Block - High Base	Standard
NPL	Pillow Block - Low Base	Standard
RB	Rubber Mount Insert Only	Standard
SC	Cylindrical Cartridge	Standard
SF	Four Bolt Flange	Standard
SFC	Piloted Flange Cartridge	Standard
SFT	Rubber Mounted Flange	Standard
SP	Pillow Block - Heavy Duty	Standard
SPM	Pillow Block - High Base	Medium
SRC	Rubber Mounted Cartridge	Standard
SRF	Rubber Mounted Flange	Standard
SRP	Rubber Mounted Pillow Block	Standard
ST	Wide Slot Take Up	Standard
TB	Tapped Base Pillow Block	Standard
TFT	Two Bolt Flange	Standard

*Common Options	
2C	Double Lip Contact Seal - replaced by DRT in most Sizes
3C	Trip Lip Contact Seal - replaced by DRT in most sizes
AS	Backed Off Felt Seal
BF	Spring Seal - Spring Out
CXU	Air Handling
DRT	High Contamination
H	High Performance Seal
HI	High Temperature Krytox*** Grease
HS	High Speed
HT	High Temperature
HTA	High Temperature Air Handling
HTC	High Temperature Contact Seal
LO	Low Drag
RM	Reduced Maintenance
SF	Double Lip Contact Seal
U	Spring Seal - Spring In
VA	FKM Spring Seal - Spring In
VS	FKM Spring Seal - Spring Out
X	Labyrinth Seal
XLO	Extra Low Drag

**Not all configurations available in all sizes. Prior to selection consult Bearing Application Engineer for proper option selection for your application and consult engineering sections for speed limits.

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SEALMASTER® *Performance Mounted Ball Bearings*

Sealmaster Gold Mounted Ball Nomenclature

Inserts

Prefix
AR - Standard Expansion Ring

Bearing
2 - Inch Standard Duty
3 - Inch Medium Duty
52 - Metric Standard Duty
53 - Metric Medium Duty

Bore Size
Inch - First Digit - Number of Inches
Second & Third Digit - Number of 1/16" of Inches (ex. 215 = 2 15/16")
Metric - ## x 5 mm (05 = 25 mm)

Standard Option
C - Contact Seal
D - Double Setscrew
T - Skwezloc® Locking Collar
M - Metric Hardware (Metric-SKWEZ™)

Common Options* (see table below)

AR - 2 - 215 - T - DRT

***Common Options**

2C	Double Lip Contact Seal - replaced by DRT in most Sizes
3C	Trip Lip Contact Seal - replaced by DRT in most sizes
AS	Backed Off Felt Seal
BF	Spring Seal - Spring Out
DRT	High Contamination
H	High Performance Seal
HI	High Temperature Krytox** Grease
HS	High Speed
HT	High Temperature
HTC	High Temperature Contact Seal
LO	Low Drag
M	Metric Hardware (Metric-SKWEZ only)
RM	Reduced Maintenance
SF	High Temperature Double Lip Contact Seal
U	Spring Seal - Spring In
VA	FKM Spring Seal - Spring In
VS	FKM Spring Seal - Spring Out
X	Labyrinth Seal
XLO	Extra Low Drag

Specials

Prefix
S - Housing Assembly
SK - Bearing Insert

Sequential Number

SK - ####

*Note: Configurations are not available in all sizes or housing styles. Consult the product tables, option sections and engineering sections for more detail or consult a Bearing Application Engineer.

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Sealmaster Gold Mounted Ball Nomenclature

Center Pull Take Up Frame Assemblies

STH - 20T - 18

Frame Design
STH - Center Pull Take Up Frame,
ST Series Bearing
MSTH - Center Pull Take Up Frame,
MST Series Bearing

Bore Size
Inch - ##/16 (ex. 20/16 = 1 1/4")
R for 1 1/4" and 2" Reduced Only
Metric - Standard Duty - 2##, ## x 5 mm
(ex. 05 = 25 mm)
Medium Duty - 3##, ## x 5 mm
(ex. 07 = 35 mm)

Standard Options
T - Skwezloc® Locking Collar
C - Contact Seal

Adjustment Length
6 - 6"
9 - 9"
12 - 12"
18 - 18"

Top Mount Take Up Frame Only

6 TF 16

Adjustment Length
1 - 1 1/2"
3 - 3"
6 - 6"
9 - 9"
12 - 12"
18 - 18"

Frame Design
TF/TFS - Top Mount Protected Screw Take Up

Frame Series

Bore Size	Frame Size
3/4" to 1"	16
1 1/18" to 1 7/16"	23
1 1/2" to 2"	31
2" to 2 3/16"	39

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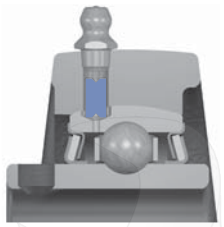
SEALMASTER® *Performance Mounted Ball Bearings*

Features and Benefits

Wide Outer Ring

Sealmaster has the industry's widest outer ring. The black oxided outer ring is 20 to 30% wider than industry standard outer rings. This feature results in increased grease capacity, and room for improved sealing options. A wider outer ring has increased surface area contact with the housing to better absorb shock load.



Lock Pin and Dimple

The Sealmaster exclusive locking pin and dimple system provides a direct lubricant path into the bearing cavity & ball path instead of around a lubrication groove. The pin also prevents outer ring rotation (sometimes referred to as "creep"), and allows ±2° static misalignment of the bearing insert.

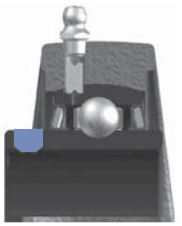
Multiple Sealing Options
Felt Seal with Flinger

The standard felt seal provides a tight labyrinth seal which retains lubrication and acts as a filter to exclude contamination. The external stamping is a flinger which shields the felt from large contaminants and directs them away from the sealing surface. The design operates with less drag and less heat generation than rubber contact seals.

Single Lip Contact Seal

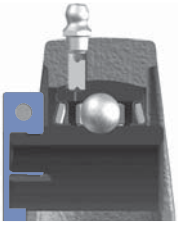
Single Lip Contact Seal consists of a nitrile rubber washer in metal shroud to shield the lip from large contaminants. The seal is designed to balance drag and protection in wet and dry environments. This can be specified by adding the suffix C to the part number.

Additional Sealing Options can be found in the Custom Select section on pages G-24 to G-27.



Multiple Locking Methods
Setscrew Locking

120° spaced, balanced three point contact minimizes inner ring distortion vibration, reduces noise, and improves reliability. Precision manufactured diamond faceted setscrews contribute to improved clamping and resistance to back out.



Skwezloc® Concentric Locking Collar

SKWEZLOC is a concentric locking collar clamp design that results in near-perfect concentricity of the shaft to bearing bore and maintains near perfect ball path roundness, while reducing fretting corrosion. This design eliminates the shaft damage of setscrew locking, and minimizes bearing induced vibration for smoother quieter operation. The collar has a TORX head cap screw that outlasts stripping 12 times longer than hex head cap screws.

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Features and Benefits continued

Zone Hardened Inner Race

Sealmaster incorporates a unique heat treat process that hardens the inner race only where it is needed...under the ball path. The black oxided zone hardened inner race results in improved lock reliability as a result of less distortion at the setscrew location and improved thread conformity resulting in improved clamping and resistance to setscrew back-out

Land Riding Retainer

The Sealmaster unique land riding metal retainer design provides superior pocket clearance that allows for 360° grease circulation around the rolling elements resulting in better retained and utilized lubrication. The land riding design of the retainer minimizes wear on both Ball and retainer, while maximizing stability, which is especially important in applications involving vibration, shock loading or high operating speeds.

Solid Base

Solid bases are standard on Sealmaster Gold ball bearing pillow blocks. The solid base provides improved stability, resistance to shock and vibration and prevents frame buckling under base compared to semi-solid and hollow mounting bases.

Housing Fit

All bearings are assembled with a controlled housing fit between the bearing outer ring and housing bore. This fit allows the bearing to properly self-align in common industrial applications. Special fits are available based on your specific application need.

Nameplate

Metal nameplate riveted to the housing allows for easy identification even after years of operation.

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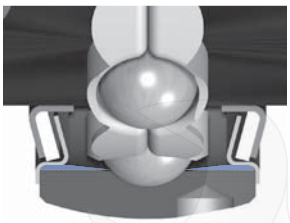
Options

Sealmaster Gold Mounted Ball Bearing Options

Bearings are typically selected using L10 fatigue life calculations based on ideal operating conditions. However, most bearing problems are not fatigue related, but occur due to contamination, lubrication starvation, or other environmental issues. As a result, our engineers have developed custom solutions to meet the varying severity, operating parameters and maintenance regularity, such as Reduced Maintenance and Custom Select.



Reduced Maintenance “RM”

Sealmaster Reduced Maintenance bearings are the result of a patented Tapered Lands bearing race profile which means that critical lubricant is circulated more efficiently, while requiring no regular service intervals. The bearing are supplied from the factory with a plug instead of a lubrication fitting.

The outer land surface in a conventional bearing is parallel to the axis of the inner ring. The Tapered Lands surface is tapered in a radial direction toward the bearing race. This subtle yet crucial design change allows lubricant to more easily flow back to the raceway. With improved bearing lubricant circulation comes significantly longer bearing service life. This improved circulation and service life comes without any reductions in bearing radial or thrust capacities.

* For bearings that are maintained and relubricated on a regular basis, there is no significant difference in expected service life.

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Custom Select

Sealmaster Custom Select options are available in popular shaft sizes from ½" to 2 7/16" in common housing configurations.

High Temperature

Suffix	Description	Temperature	Environment	Speed Limits
HT*	Standard High Temp	200°F to 400°F	Dry/Dusty	pages G-235 to G-240
HI*	High Performance High Temp			
HTA*	High Temp Air Handling			
HTC*	High Temp Contact Seal		Wet/Moisture	

*For expansion units add an E prefix (example: ENP-23 HTA). Information on expansion units can be found on page G-29.

High Temperature "HT"

High temperature bearing with increased radial internal clearance to accommodate thermal expansion of components and Nomex* seal and high temperature synthetic grease.

High Performance High Temperature "HI"

High temperature bearing with increased radial internal clearance to accommodate thermal expansion of components and Nomex** seal and Krytox* 226 grease. Available in expansion version in some sizes with half-dog and wire, suffix "HIY", see page G-104 for more information.

High Temperature Air Handling "HTA"

Utilizes the same features as our high temperature "HT" option with the additional features that are important in Air Handling equipment:

- Controlled air handling housing fit that allows the bearing to properly self-align when mounted on light weight frames
- Two stage noise testing verification procedure for quiet operation
- For standard operating temperatures, consider the Air Handling "CXU" option shown on following pages

High Temperature Contact Seal "HTC"

High temperature bearing with increased radial internal clearance to accommodate thermal expansion of components, single lip silicone fiberglass or FKM spring seal and high temperature synthetic grease.

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Custom Select continued

High Contamination

Suffix	Description	Temperature	Environment	Speed Limits
DRT	Highly Contaminated	-40°F to 200°F	Highly Contaminated	pages G-235 to G-240

2C Seal

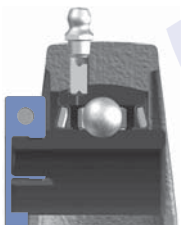
3C Seal

High Contamination "DRT"

Heavy Duty Multi-Lip contact seal (depending on size and series, either supplied with "2C" double lip or "3C" triple lip seal), 100% Grease Fill with Sealmaster GoldPlex HP Grease.

High Speed

Suffix	Description	Temperature	Environment	Speed Limits
HS	High Speed	-40°F to 200°F	Dry/Dusty	pages G-235 to G-240



High Speed "HS"

- Available in SKWEZLOC locking collar only
- Backed off, felt seal reduces contact area between the felt sealing material and the internal metal flinger
- Controlled air handling housing fit that allows the bearing to properly self-align when mounted on lightweight frames
- Increased radial internal clearance to accommodate radial thermal expansion of components

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Custom Select continued

Air Handling

Suffix	Description	Temperature	Environment	Speed Limits
CXU	Air Handling	-40°F to 200°F	Dry/Dusty	pages G-235 to G-240
HTA*	High Temp Air Handling	200°F to 400°F		

*For expansion units add an E prefix to unit assembly (example: EMP-23 HTA)

Air Handling "CXU"

Utilizes many of the same features as standard Sealmaster Gold Mounted Ball Bearings but designed and manufactured for Air Handling equipment.

- Controlled air handling housing fit that allows the bearing to properly self-align when mounted on lightweight frames
- Available with the standard Sealmaster felt seal for decreased energy consumption
- Two stage noise testing verification procedure for quiet operation

High Temperature Air Handling "HTA"

Features listed on page G-24

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Custom Select continued

Low Drag

Suffix	Description	Temperature	Environment	Speed Limits
LO	Low Drag	-20°F to 180°F	Dry/Dusty	pages G-235 to G-240
XLO	Extra Low Drag	-20°F to 100°F		

Low Drag "LO"

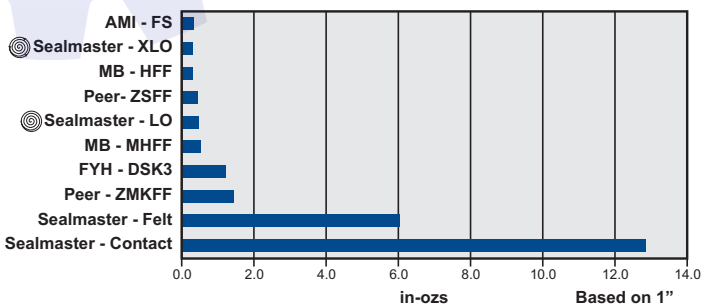
- Felt seal cut down to reduce drag
- Provides excellent barrier that works to retain grease and acts as a filter to reduce the ingress of debris contaminants
- Features a channeling grease that reduces drag while lubricating the bearing
- A reduced housing fit to allow for the bearing to properly self-align on light weight frames

X-Tra Low Drag "XLO"

- Felt seal cut down and oil soaked for extra low drag
- Oil lubricated and supplied with an adapter and plug for easy field relubrication
- A reduced housing fit to allow for the bearing to properly self-align on light weight frames

Bearing Rotational Torque - Comparison Chart

	Company	Suffix Option	Seal Type	Lubrication
LO Drag Bearing Options	AMI®	FS	Non-Contact	Oil
	Sealmaster	XLO	Low Drag Felt	Oil
	MB®	HFF	Steel Labyrinth	Oil
	Peer®	ZSFF	Steel Labyrinth	Oil
	Sealmaster	LO	Low Drag Felt	Grease
	MB	MHFF	Steel Labyrinth	Grease
	FYH®	DSK3	Non-Contact	Oil
	Peer	ZMKFF	Steel Labyrinth	Grease
Standard Bearing Drag (Reference)	Sealmaster	-	Felt	Grease
	Sealmaster	C	Contact	Grease



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Custom Select continued

Optional Fittings

Suffix	Description
CSK	90° Grease Fitting
CSJ	45° Grease Fitting
CTJ	Adapter and Plug
CTY	Plug
W	Adapter and Grease Fitting

CSK – 90° Grease Fitting

CSJ – 45° Grease Fitting

CTJ – Adaptor and Plastic Plug

CTY - Plug

W – Adaptor and Grease Fitting

Note:

- Fittings are designed to properly position the lock pin anti-rotation device. Other fittings not designed for Sealmaster brand bearings may not provide this function causing reduced bearing life.
- Fittings are factory adjusted to properly position the lock pin anti-rotation device. Improper field adjustment of the fitting may cause reduced bearing life. Consult Bearing Technical Services for proper adjustment techniques or review installation instructions.
- For specific hole sizes per housing assembly refer to section L - Accessories.

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SEALMASTER® *Performance Mounted Ball Bearings*

Additional Options

Expansion Units Options

Axial shaft expansion is compensated by a non-expansion (fixed) and expansion (float) arrangement. Many bearings are offered in both fixed and float arrangements and have identical mounting dimensions. It is recommended to use both units on one shaft in high temperature applications to help account for linear shaft expansion. For more information see page G-249 in the Mounted Ball Bearing Engineering section.

Expansion Unit Availability Chart

Bore Diameter		Unit Size	Standard Duty				Expansion Capability
in	mm		ENP	ESP	ESF	ESFT	
5/8		10					
11/16		11	•		•	•	3/32”
3/4		12					
	20	204					
13/16		13					
7/8		14					
15/16		15	•	•	•	•	3/32”
	25	205					
1		16					
1 1/16		17					
1 1/8		18					
	30	206	•	•	•	•	1/8”
1 3/6		19					
1 1/4		20R					
1 1/4		20					
1 5/16		21					
1 3/8		22	•	•	•	•	1/8”
	35	207					
1 7/16		23					
1 1/2		24					
1 9/16		25	•		•	•	1/8”
	40	208					
1 5/8		26					
1 11/16		27	•		•	•	1/8”
1 3/4		28					
	45	209					
1 13/16		29					
1 7/8		30					
1 15/16		31	•	•	•	•	3/16”
	50	210					
2		32R					
2		32					
2 1/8		34	•	•	•	•	3/16”
	55	211					
2 3/16		35					
2 1/4		36					
	60	212	•	•	•		3/16”
2 3/8		38					
2 7/16		39					
2 1/2		40					
2 11/16		43		•	•		3/16”
	70	214					
2 7/8		46					
2 15/16		47			•		3/16”
	75	215					
3		48					
	80	216		•			1/4”
3 3/16		51					

Bore Diameter		Unit Size	Medium Duty								Expansion Capability
in	mm		EMFP	EMFPD	EMP	EMSPD	EMSFPD	EMSF	EMSFT	EMFC	
15/16		15									
	25	305			•			•	•		1/8”
1		16									
	30	306									
1 3/16		19			•			•	•		1/8”
1 1/4		20									
	35	307			•			•	•		1/8”
1 7/16		23									
1 1/2		24			•			•	•		1/8”
	40	308									
1 11/16		27									
1 3/4		28			•			•	•	•	3/16”
	45	309									
1 15/16		31									
	50	310			•	•		•	•	•	3/16”
2		32									
	55	311									
2 3/16		35			•			•		•	3/16”
2 1/4		36									
2 7/16		39									
2 1/2		40	•	•	•	•		•		•	3/16”
	65	313									
2 11/16		43									
	70	314	•	•	•			•			3/16”
2 15/16		47									
	75	315	•	•	•	•		•			1/4”
3		48									
	80	316									
3 3/16		51			•			•			1/4”
3 1/4		52									
3 7/16		55	•	•	•	•	•	•			9/32”
3 15/16		63									
	100	320	•	•	•	•	•	•			9/32”
4		64									
4 7/16		71									
4 15/16		79	•	•			•	•			7/16”

● Expansion option exists for the bearing and housing combination

Note: 1. Not all combinations of housing styles, locking types and seal options are available. Consult customer service for availability and possible set-up charges.

2. Alternate expansion version available in some sizes and configurations with half-dog and wire, suffix “HIY”, see page G-104 for more information.

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Additional Options

Greases

Optional greases are readily available, consult Application Engineering for complete list

High Temperature Synthetic

- Used in HT, HTA, and HTC suffix modified bearings
- High quality, synthetic hydrocarbon, lithium complex thickened grease NLGI#2, and ISO 220 viscosity
- Superior high temperature (200 F to 400F) stability

KRYTOX* Extended Lube

- Used in HI suffix modified bearings
- KYRTOX GPL 226, an extremely high performance perflourinated oil and PTFE thickened grease
- KRYTOX grease has a superior service life and therefore diminishes re-lubrication frequency and extends life
- Engineers have found that, compared to other high temperature greases, the thermal stability and lubricity of the KRYTOX can improve high temperature bearing life by a factor of 4 to 45 times

Custom Capabilities

Additional Industry specific options exist such as the:

Sealmaster Paver Bearing – page G-127
Sealmaster Material Handling Bearing - page G-109
Sealmaster PN Gold – Corrosion Resistant – page K-29

Our Application Engineers will design a bearing based on your unique application parameters, utilizing a variety of existing components or special components. By combining your equipment knowledge and our Application Engineers bearing expertise, a product solution can be designed to maximize bearing performance in your specific application.

Thousands of customers benefit from this capability every year, and now you no longer have to endure the lead time associated with these custom engineered solutions. In many cases, a higher performance product can be designed and developed specifically for your application.

*KRYTOX is a registered trademark of E.I. du Pont de Nemurs and Company. This trade name, trademark and/or registered trademark is property of their respective owner and is not owned or controlled by Regal Power Transmission Solutions.

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Pillow Block – High Base

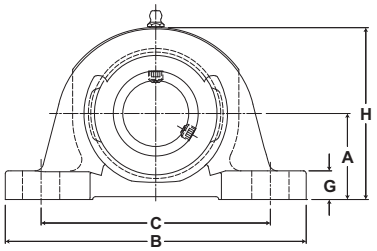
Self Alignment: +/- 2 Degrees

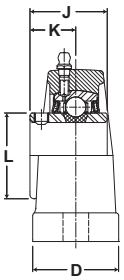
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F





NP Series Standard Duty Pillow Blocks - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L		
inch	mm						min.	max.								
1/2 9/16 5/8 11/16		NP-8 NP-9 NP-10 NP-11	2-08 2-09 2-010 2-011	2611 11614	1 3/16 30.2	5 127.0	3 3/8 85.7	4 1/8 104.8	1 1/2 38.1	1/2 12.7	2 7/16 61.9	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3/8	1.7 .77
3/4	20	NP-12 NP-204	2-012 5204	2611 11614	1 5/16 33.3	5 127.0	3 3/8 85.7	4 1/8 104.8	1 1/2 38.1	1/2 12.7	2 9/16 65.1	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3/8	1.9 .86
13/16 7/8 15/16 1	25	NP-13 NP-14 NP-15 NP-16 NP-205	2-013 2-014 2-015 2-1 5205	2801 12459	1 7/16 36.5	5 1/2 139.7	3 7/8 98.4	4 3/8 111.1	1 1/2 38.1	1/2 12.7	2 13/16 71.4	1 3/8 34.9	13/16 20.6	1 3/8 34.9	3/8	2.2 1.00
1 1/16 1 1/8 1 3/16 1 1/4	30	NP-17 NP-18 NP-19 NP-20R NP-206	2-11 2-12 2-13 1-14 5206	4381 19487	1 11/16 42.9	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	9/16 14.3	3 3/8 85.7	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	3.6 1.63
1 1/4 1 5/16 1 3/8 1 7/16	35	NP-20 NP-21 NP-22 NP-23 NP-207	2-14 2-15 2-16 2-17 5207	5782 25718	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	1 11/16 42.9	1 25.4	1 55/64 47.2	1/2	4.5 2.04
1 1/2 1 9/16	40	NP-24 NP-25 NP-208	2-18 2-19 5208	7340 32648	1 15/16 49.2	7 1/4 184.2	4 7/8 123.8	5 7/8 149.2	2 1/8 54.0	11/16 17.5	3 15/16 100.0	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2	5.7 2.59
1 5/8 1 11/16 1 3/4	45	NP-26 NP-27 NP-28 NP-209	2-110 2-111 2-112 5209	7901 35144	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	1/2	6.5 2.95
1 13/16 1 7/8 1 15/16 2	50	NP-29 NP-30 NP-31 NP-32R NP-210	2-113 2-114 2-115 1-2 5210	7889 35090	2 1/4 57.2	8 1/8 206.4	6 152.4	6 1/2 165.1	2 3/8 60.3	3/4 19.1	4 9/16 115.9	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	7.9 3.58
2 2 1/8 2 3/16	55	NP-32 NP-34 NP-35 NP-211	2-2 2-22 2-23 5211	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	3/4 19.1	5 127.0	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5/8	9.7 4.40
2 1/4 2 3/8 2 7/16	60	NP-36 NP-38 NP-39 NP-212	2-24 2-26 2-27 5212	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 5/8 193.7	2 3/4 69.9	7/8 22.2	5 9/16 141.3	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5/8	13.7 6.21
2 7/8 2 15/16	75	NP-46 NP-47 NP-215	2-214 2-215 5215	14839 66004	3.5 88.9	13 330.2	8 1/2 215.9	9 1/2 241.3	3 1/2 88.9	1 1/8 28.6	7 177.8	3 1/16 77.8	1 3/4 44.5	3 41/64 92.5	7/8	27.9 12.66

For Standard Duty Bearing Inserts-Single Lock see page G-92.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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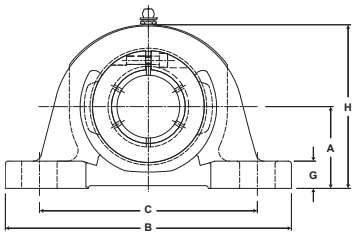
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block – High Base
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



NP-T Series Standard Duty Pillow Block - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
3/4	NP-12T	2-012T	2611 11614	1 5/16 33.3	5 127.0	3 3/8 85.7	4 1/8 104.8	1 1/2 38.1	1/2 12.7	2 9/16 65.1	1 9/32 32.5	25/32 19.8	1 3/4 44.5	3/8	2.0 .91
15/16 1	NP-15T NP-16T	2-015T 2-1T	2801 12459	1 7/16 36.5	5 1/2 139.7	3 7/8 98.4	4 3/8 111.1	1 1/2 38.1	1/2 12.7	2 13/16 71.4	1 7/16 36.5	7/8 22.2	1 15/16 49.2	3/8	2.4 1.09
1 1/8 1 3/16 1 1/4	NP-18T NP-19T NP-20RT	2-12T 2-13T 1-14T	4381 19487	1 11/16 42.9	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	9/16 14.3	3 3/8 85.7	1 9/16 39.7	15/16 23.8	2 3/16 55.6	1/2	3.8 1.72
1 1/4	NP-20T	2-14T	5782 25718	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1/2	4.8 2.18
1 3/8 1 7/16	NP-22T NP-23T	2-16T 2-17T	4782 21270	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1/2	4.8 2.18
1 1/2	NP-24T	2-18T	7340 32648	1 15/16 49.2	7 1/4 184.2	4 7/8 123.8	5 7/8 149.2	2 1/8 54.0	11/16 17.5	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	1/2	6.0 2.72
1 5/8	NP-26T	2-110T	7901 35144	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	2 50.8	1 1/4 31.8	2 13/16 71.4	1/2	6.8 3.08
1 11/16 1 3/4	NP-27T NP-28T	2-111T 2-112T	7901 35144	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	2 50.8	1 1/4 31.8	2 15/16 74.6	1/2	6.8 3.08
1 15/16 2	NP-31T NP-32RT	2-115T 1-2T	7889 35090	2 1/4 57.2	8 1/8 206.4	6 152.4	6 1/2 165.1	2 3/8 60.3	3/4 19.1	4 9/16 115.9	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	5/8	8.5 3.86
2	NP-32T	2-2T	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	3/4 19.1	5 127.0	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5/8	10.3 4.67
2 1/8 2 3/16	NP-34T NP-35T	2-22T 2-23T	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	3/4 19.1	5 127.0	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	5/8	10.3 4.67
2 1/4	NP-36T	2-24T	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 5/8 193.7	2 3/4 69.9	7/8 22.2	5 9/16 141.3	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5/8	14.9 6.76
2 3/8	NP-38T	2-26T	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 5/8 193.7	2 3/4 69.9	7/8 22.2	5 9/16 141.3	2 5/8 66.7	1 5/8 41.3	4 1/8 104.8	5/8	14.9 6.76

NP-T Series Standard Duty Pillow Block - SKWEZLOC Locking Collar - Metric -SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
20	NP-204TMC	5204TMC	11614 4782	33.3 1 5/16	127.0 5	85.7 3 3/8	104.8 4 1/8	38.2 1 1/2	12.7 1/2	65.1 2 9/16	32.5 1 9/32	19.8 25/32	44.5 1 3/4	M10	4.8 .91
25	NP-205TMC	5205TMC	19487 2801	36.5 1 7/16	139.7 5 1/2	98.4 3 7/8	111.1 4 3/8	38.1 1 1/2	12.7 1/2	71.4 2 13/16	36.5 1 7/16	22.2 7/8	49.2 1 15/16	M10	2.4 1.1
30	NP-206TMC	5206TMC	19487 4381	42.9 1 11/16	165.1 6 1/2	112.7 4 7/16	128.6 5 1/16	47.6 1 7/8	14.3 9/16	85.7 3 3/8	39.7 1 9/16	23.8 15/16	55.6 2 3/16	M10	3.8 1.72
35	NP-207TMC	5207TMC	21270 4782	47.6 1 7/8	166.7 6 9/16	119.1 4 11/16	134.9 5 5/16	47.6 1 7/8	15.9 5/8	95.3 3 3/4	44.5 1 3/4	27.0 1 1/16	65.1 2 9/16	M10	4.8 2.18
40	NP-208TMC	5208TMC	32648 7340	49.2 1 15/16	184.2 7 1/4	123.8 4 7/8	149.2 5 7/8	54.0 2 1/8	17.5 11/16	100.0 3 15/16	54.8 2 5/32	31.8 1 1/4	68.3 2 11/16	M14	6.0 2.72
45	NP-209TMC	5209TMC	35144 7901	54.0 2 1/8	190.5 7 1/2	138.1 5 7/16	154.0 6 1/16	54.0 2 1/8	17.5 11/16	108.0 4 1/4	50.8 2	31.8 1 1/4	74.6 2 15/16	M14	6.8 3.08
50	NP-210TMC	5210TMC	35090 7889	57.2 2 1/4	206.4 8 1/8	152.4 6	165.1 6 1/2	60.3 2 3/8	19.1 3/4	115.9 4 9/16	53.2 2 3/32	34.1 1 11/32	85.7 3 3/8	M16	8.5 3.86
55	NP-211TMC	5211TMC	43377 9752	63.5 2 1/2	219.1 8 5/8	165.1 6 1/2	177.8 7	60.3 2 3/8	19.1 3/4	127.0 5	57.2 2 1/4	34.9 1 3/8	92.1 3 5/8	M16	10.3 4.67
60	NP-212TMC	5212TMC	11789 52437	69.9 2 3/4	241.3 9 1/2	174.6 6 7/8	193.7 7 5/8	69.9 2 3/4	22.2 7/8	141.3 5 9/16	66.7 2 5/8	41.3 1 5/8	104.8 4 1/8	M16	14.9 6.8

For Standard Duty Bearing Inserts - SKWEZLOC Locking Collar see page G-93. For Replacement Lock Collar see page G-98.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Pillow Block – High Base

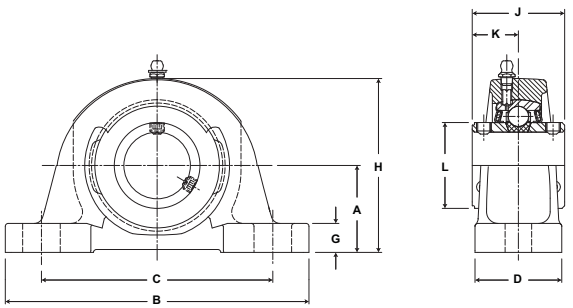
Self Alignment: +/- 2 Degrees

Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



NPD Series Standard Duty Pillow Blocks With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
7/8 15/16 1	NPD-14 NPD-15 NPD-16	2-014D 2-015D 2-1D	2801 12459	1 7/16 36.5	5 1/2 139.7	3 7/8 98.4	4 3/8 111.1	1 1/2 38.1	1/2 12.7	2 13/16 71.4	1 1/2 38.1	3/4 19.1	1 3/8 34.9	3/8	2.4 1.09
1 3/16	NPD-19	2-13D	4381 19487	1 11/16 42.9	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	9/16 14.3	3 3/8 85.7	1 3/4 44.5	7/8 22.2	1 19/32 40.5	1/2	3.8 1.72
1 1/4 1 3/8 1 7/16	NPD-20 NPD-22 NPD-23	2-14D 2-16D 2-17D	5782 25718	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	2 50.8	1 25.4	1 55/64 47.2	1/2	4.7 2.13
1 1/2 1 9/16	NPD-24 NPD-25	2-18D 2-19D	7340 32648	1 15/16 49.2	7 1/4 184.2	4 7/8 123.8	5 7/8 149.2	2 1/8 54.0	11/16 17.5	3 15/16 100.0	2 5/16 58.7	1 5/32 29.4	2 1/16 52.4	1/2	6.0 2.73
1 11/16 1 3/4	NPD-27 NPD-28	2-111D 2-112D	7901 35144	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	2 3/8 60.3	1 3/16 30.2	2 19/64 58.3	1/2	6.5 2.95
1 7/8 1 15/16	NPD-30 NPD-31	2-114D 2-115D	7889 35090	2 1/4 57.2	8 1/8 206.4	6 152.4	6 1/2 165.1	2 3/8 60.3	3/4 19.1	4 9/16 115.9	2 1/2 63.5	1 1/4 31.8	2 15/32 62.7	5/8	8.3 3.76
2 2 1/8 2 3/16	NPD-32 NPD-34 NPD-35	2-2D 2-22D 2-23D	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	3/4 19.1	5 127.0	2 5/8 66.7	1 5/16 33.3	2 23/32 69.1	5/8	10.0 4.54
2 1/4 2 3/8 2 7/16	NPD-36 NPD-38 NPD-39	2-24D 2-26D 2-27D	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 5/8 193.7	2 3/4 69.9	7/8 22.2	5 9/16 141.3	3 1/8 79.4	1 9/16 39.7	2 63/64 75.8	5/8	14.0 6.35

For Standard Duty Bearing Inserts-Double Lock see page G-94.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Pillow Block – Low Base

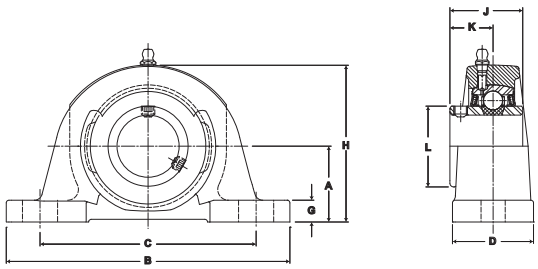
Self Alignment +/- 2 Degrees

Lock Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



NPL Series Standard Duty Pillow Blocks - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L		
inch	mm						min.	max.								
1/2		NPL-8	2-08													
9/16		NPL-9	2-09	2611	1 1/16	5	3 3/8	4 1/8	1 1/2	3/8	2 5/16	1 7/32	23/32	1 3/16	3/8	1.7
5/8		NPL-10	2-010	11614	27.0	127.0	85.7	104.8	38.1	9.5	58.7	31.0	18.3	30.2		.77
11/16		NPL-11	2-011													
3/4		NPL-12	2-012	2611	1 1/4	5	3 3/8	4 1/8	1 1/2	7/16	2 1/2	1 7/32	23/32	1 3/16	3/8	1.7
	20	NPL-204	5204	11614	31.8	127.0	85.7	104.8	38.1	11.1	63.5	31.0	18.3	30.2		.77
13/16		NPL-13	2-013													
7/8		NPL-14	2-014													
15/16		NPL-15	2-015	2801	1 5/16	5 1/2	3 7/8	4 3/8	1 1/2	1/2	2 11/16	1 3/8	13/16	1 3/8	3/8	2.0
1		NPL-16	2-1	12459	33.3	139.7	98.4	111.1	38.1	12.7	68.3	34.9	20.6	34.9		.91
	25	NPL-205	5205													
1 1/16		NPL-17	2-11													
1 1/8		NPL-18	2-12													
1 3/16		NPL-19	2-13	4381	1 9/16	6 1/2	4 7/16	5 1/16	1 7/8	7/16	3 1/4	1 1/2	7/8	1 19/32	1/2	3.6
1 1/4		NPL-20R	1-14	19487	39.7	165.1	112.7	128.6	47.6	11.1	82.6	38.1	22.2	40.5		1.63
	30	NPL-206	5206													
1 1/4		NPL-20	2-14													
1 5/16		NPL-21	2-15													
1 3/8		NPL-22	2-16	5782	1 13/16	6 9/16	4 11/16	5 5/16	1 7/8	9/16	3 11/16	1 11/16	1	1 55/64	1/2	4.4
1 7/16		NPL-23	2-17	25718	46.0	166.7	119.1	134.9	47.6	14.3	93.7	42.9	25.4	47.2		2.00
	35	NPL-207	5207													
1 1/2		NPL-24	2-18													
1 9/16		NPL-25	2-19	7340	1 15/16	7 1/4	4 7/8	5 7/8	2 1/8	11/16	3 15/16	1 15/16	1 3/16	2 1/16	1/2	5.7
	40	NPL-208	5208	32648	49.2	184.2	123.8	149.2	54.0	17.5	100.0	49.2	30.2	52.4		2.59
1 5/8		NPL-26	2-110													
1 11/16		NPL-27	2-111	7901	2 1/16	7 1/2	5 7/16	6 1/16	2 1/8	5/8	4 3/16	1 15/16	1 3/16	2 19/64	1/2	6.2
1 3/4		NPL-28	2-112	35144	52.4	190.5	138.1	154.0	54.0	15.9	106.4	49.2	30.2	58.3		2.81
	45	NPL-209	5209													
1 13/16		NPL-29	2-113													
1 7/8		NPL-30	2-114													
1 15/16		NPL-31	2-115	7889	2 3/16	8 1/8	6	6 1/2	2 3/8	11/16	4 1/2	2 1/32	1 9/32	2 15/32	5/8	7.8
2		NPL-32R	1-2	35090	55.6	206.4	152.4	165.1	60.3	17.5	114.3	51.6	32.5	62.7		3.54
	50	NPL-210	5210													
2		NPL-32	2-2													
2 1/8		NPL-34	2-22	9752	2 7/16	8 5/8	6 1/2	7	2 3/8	11/16	4 15/16	2 3/16	1 5/16	2 23/32	5/8	9.6
2 3/16		NPL-35	2-23	43377	61.9	219.1	165.1	177.8	60.3	17.5	125.4	55.6	33.3	69.1		4.35
	55	NPL-211	5211													
2 1/4		NPL-36	2-24													
2 3/8		NPL-38	2-26	11789	2 11/16	9 1/2	6 7/8	7 5/8	2 3/4	13/16	5 1/2	2 9/16	1 9/16	2 63/64	5/8	13.5
2 7/16		NPL-39	2-27	52437	68.3	241.3	174.6	193.7	69.9	20.6	139.7	65.1	39.7	75.8		6.12
	60	NPL-212	5212													
2 11/16		NPL-43	2-211	13971 62143	3 76.2	11 1/4 285.8	7 1/8 181.0	8 7/8 225.4	3 1/4 82.6	1 1/16 27.0	6 1/4 158.8	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	3/4	21.5 9.75

For Standard Duty Bearing Inserts-Single Lock see page G-92.

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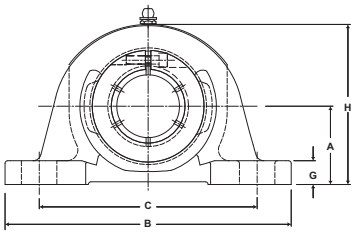
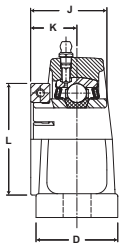
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block – Low Base
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





NPL-T Series Standard Duty Pillow Block - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
3/4	NPL-12T	2-012T	2611 11614	1 1/4 31.8	5 127.0	3 3/8 85.7	4 1/8 104.8	1 1/2 38.1	7/16 11.1	2 1/2 63.5	1 9/32 32.5	25/32 19.8	1 3/4 44.5	3/8	1.8 .82
15/16 1	NPL-15T NPL-16T	2-015T 2-1T	2801 12459	1 5/16 33.3	5 1/2 139.7	3 7/8 98.4	4 3/8 111.1	1 1/2 38.1	1/2 12.7	2 11/16 68.3	1 7/16 36.5	7/8 22.2	1 15/16 49.2	3/8	2.2 1.00
1 1/8 1 3/16 1 1/4	NPL-18T NPL-19T NPL-20RT	2-12T 2-13T 1-14T	4381 19487	1 9/16 39.7	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	7/16 11.1	3 1/4 82.6	1 9/16 39.7	15/16 23.8	2 3/16 55.6	1/2	3.8 1.72
1 1/4	NPL-20T	2-14T	5782 25718	1 13/16 46.0	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	9/16 14.3	3 11/16 93.7	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1/2	4.7 2.13
1 3/8 1 7/16	NPL-22T NPL-23T	2-16T 2-17T	5782 25718	1 13/16 46.0	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	9/16 14.3	3 11/16 93.7	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1/2	4.7 2.13
1 1/2	NPL-24T	2-18T	7340 32648	1 15/16 49.2	7 1/4 184.2	4 7/8 123.8	5 7/8 149.2	2 1/8 54.0	11/16 17.5	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	1/2	6.0 2.72
1 5/8	NPL-26T	2-110T	7901 35144	2 1/16 52.4	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	5/8 15.9	4 3/16 106.4	2 50.8	1 1/4 31.8	2 13/16 71.4	1/2	6.5 2.95
1 11/16 1 3/4	NPL-27T NPL-28T	2-111T 2-112T	7901 35144	2 1/16 52.4	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	5/8 15.9	4 3/16 106.4	2 50.8	1 1/4 31.8	2 15/16 74.6	1/2	6.5 2.95
1 15/16 2	NPL-31T NPL-32RT	2-115T 1-2T	7889 35090	2 3/16 55.6	8 1/8 206.4	6 152.4	6 1/2 165.1	2 3/8 60.3	11/16 17.5	4 1/2 114.3	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	5/8	8.4 3.81
2	NPL-32T	2-2T	9752 43377	2 7/16 61.9	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	11/16 17.5	4 15/16 125.4	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5/8	10.2 4.63
2 1/8 2 3/16	NPL-34T NPL-35T	2-22T 2-23T	9752 43377	2 7/16 61.9	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	11/16 17.5	4 15/16 125.4	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	5/8	10.2 4.63
2 1/4	NPL-36T	2-24T	11789 52437	2 11/16 68.3	9 1/2 241.3	6 7/8 174.6	7 5/8 193.7	2 3/4 69.9	13/16 20.6	5 1/2 139.7	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5/8	14.7 6.67
2 3/8 2 7/16	NPL-38T NPL-39T	2-26T 2-27T	11789 52437	2 11/16 68.3	9 1/2 241.3	6 7/8 174.6	7 5/8 193.7	2 3/4 69.9	13/16 20.6	5 1/2 139.7	2 5/8 66.7	1 5/8 41.3	4 1/8 104.8	5/8	14.7 6.67

For Standard Duty SKWEZLOC Locking Collar Bearing inserts see page G-93. For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Pillow Block – Heavy Duty

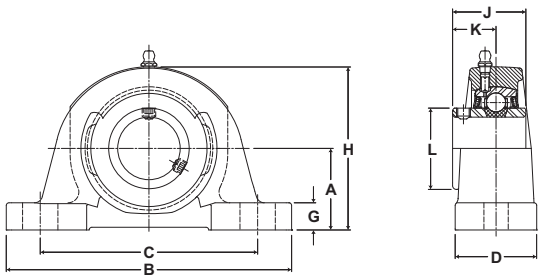
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



SP Series Standard Duty Pillow Blocks - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L		
inch	mm						min.	max.								
13/16 7/8 15/16 1	25	SP-13 SP-14 SP-15 SP-16 SP-205	2-013 2-014 2-015 2-1 5205	2801 12459	1 3/4 44.5	7 177.8	5 1/8 130.2	5 5/8 142.9	2 50.8	9/16 14.3	3 5/16 84.1	1 3/8 34.9	13/16 20.6	1 3/8 34.9	1/2	3.6 1.63
1 1/16 1 1/8 1 3/16 1 1/4	30	SP-17 SP-18 SP-19 SP-20R SP-206	2-11 2-12 2-13 2-14 5206	4381 19487	2 50.8	7 1/2 190.5	5 3/8 136.5	6 1/8 155.6	2 50.8	5/8 15.9	3 7/8 98.4	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	5.0 2.27
1 1/4 1 5/16 1 3/8 1 7/16	35	SP-20 SP-21 SP-22 SP-23 SP-207	2-14 2-15 2-16 2-17 5207	5782	2 3/8 60.3	8 1/4 209.6	5 5/8 142.9	6 7/8 174.6	2 1/4 57.2	3/4 19.1	4 1/2 114.3	1 11/16 42.9	1 25.4	1 55/64 47.2	5/8	7.0 3.18
1 1/2 1 9/16	40	SP-24 SP-25 SP-208	2-18 2-19 5208	7340 32648	2 5/16 58.7	8 1/2 215.9	5 7/8 149.2	7 1/8 181.0	2 3/8 60.3	3/4 19.1	4 9/16 115.9	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	5/8	7.6 3.45
1 5/8 1 11/16 1 3/4	45	SP-26 SP-27 SP-28 SP-209	2-110 2-111 2-112 5209	7901 35144	2 3/8 60.3	8 3/4 222.3	5 7/8 149.2	7 1/8 181.0	2 3/8 60.3	3/4 19.1	4 5/8 117.5	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	5/8	8.1 3.67
1 13/16 1 7/8 1 15/16 2	50	SP-29 SP-30 SP-31 SP-32R SP-210	2-113 2-114 2-115 1-2 5210	7889 35090	2 3/4 69.9	10 1/2 266.7	6 3/4 171.5	8 1/2 215.9	2 1/2 63.5	7/8 22.2	5 5/16 134.9	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	11.6 5.26
2 2 1/8 2 3/16	55	SP-32 SP-34 SP-35 SP-211	2-2 2-22 2-23 5211	9752 43377	3 1/8 79.4	11 1/4 285.8	7 5/8 193.7	9 3/8 238.1	2 3/4 69.9	7/8 22.2	5 15/16 150.8	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5/8	14.1 6.40
2 1/4 2 3/8 2 7/16	60	SP-36 SP-38 SP-39 SP-212	2-24 2-26 2-27 5212	11789 52437	3 1/8 79.4	11 1/2 292.1	7 7/8 200.0	9 3/8 238.1	3 76.2	7/8 22.2	6 1/16 154.0	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	3/4	16.5 7.48
2 1/2 2 11/16	70	SP-40 SP-43 SP-214	3-28 2-211 5214	13971 62143	3 3/4 95.3	12 5/8 320.7	9 3/8 238.1	10 5/8 269.9	3 3/8 85.7	1 25.4	7 1/8 181.0	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	3/4	26.3 11.93
2 7/8 2 15/16	75	SP-46 SP-47 SP-215	2-214 2-215 5215	14839 66004	3 3/4 95.3	13 330.2	9 1/4 235.0	10 3/4 273.1	3 3/8 85.7	1 25.4	7 3/16 182.6	3 1/16 77.8	1 3/4 44.5	3 41/64 92.5	3/4	26.6 12.07
3 3 3/16	80	SP-48 SP-51 SP-216	3-3 2-33 5216	17412 77449	4 101.6	14 1/2 368.3	10 5/8 269.9	12 1/8 308.0	3 3/4 95.3	1 1/8 28.6	7 13/16 198.4	3 1/4 82.6	1 15/16 49.2	3 59/64 99.6	3/4	34.0 15.42
3 1/4 3 3/8 3 7/16		SP-52 SP-54 SP-55	2-34 2-36 2-37	18681 83093	4 101.6	15 381.0	9 5/8 244.5	11 7/8 301.6	4 1/4 108.0	1 1/4 31.8	8 1/16 204.8	3 3/8 85.7	2 1/32 51.6	4 5/32 105.6	7/8	42.1 19.10

For Standard Duty Bearing Inserts-Single Lock see page G-93.

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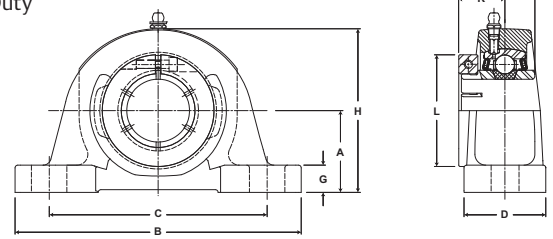
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block – Heavy Duty
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



SP-T Series Standard Duty Pillow Blocks - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
15/16	SP-15T	2-015T	2801	1 3/4	7	5 1/8	5 5/8	2	9/16	3 5/16	1 7/16	7/8	1 15/16	1/2	3.8
1	SP-16T	2-1T	12459	44.5	177.8	130.2	142.9	50.8	14.3	84.1	36.5	22.2	49.2		1.72
1 1/8	SP-18T	2-12T	4381	2	7 1/2	5 3/8	6 1/8	2	5/8	3 7/8	1 9/16	15/16	2 3/16	1/2	5.2
1 3/16	SP-19T	2-13T	19487	50.8	190.5	136.5	155.6	50.8	15.9	98.4	39.7	23.8	55.6		2.36
1 1/4	SP-20RT	1-14T													
1 1/4	SP-20T	2-14T	5782	2 3/8	8 1/4	5 5/8	6 7/8	2 1/4	3/4	4 1/2	1 3/4	1 1/16	2 7/16	5/8	7.3
			25718	60.3	209.6	142.9	174.6	57.2	19.1	114.3	44.5	27.0	61.9		3.31
1 3/8	SP-22T	2-16T	5782	2 3/8	8 1/4	5 5/8	6 7/8	2 1/4	3/4	4 1/2	1 3/4	1 1/16	2 9/16	5/8	7.3
1 7/16	SP-23T	2-17T	25718	60.3	209.6	142.9	174.6	57.2	19.1	114.3	44.5	27.0	65.1		3.31
1 1/2	SP-24T	2-18T	7340	2 5/16	8 1/2	5 7/8	7 1/8	2 3/8	3/4	4 9/16	2	1 1/4	2 11/16	5/8	7.3
			32648	58.7	215.9	149.2	181.0	60.3	19.1	115.9	50.8	31.8	68.3		3.31
1 5/8	SP-26T	2-110T	7901	2 3/8	8 3/4	5 7/8	7 1/8	2 3/8	3/4	4 5/8	2	1 1/4	2 13/16	5/8	8.4
			35144	60.3	222.3	149.2	181.0	60.3	19.1	117.5	50.8	31.8	71.4		3.81
1 11/16	SP-27T	2-111T	7901	2 3/8	8 3/4	5 7/8	7 1/8	2 3/8	3/4	4 5/8	2	1 1/4	2 15/16	5/8	8.4
1 3/4	SP-28T	2-112T	35144	60.3	222.3	149.2	181.0	60.3	19.1	117.5	50.8	31.8	74.6		3.81
1 15/16	SP-31T	2-115T	7889	2 3/4	10 1/2	6 3/4	8 1/2	2 1/2	7/8	5 5/16	2 3/32	1 11/32	3 3/8	5/8	12.2
2	SP-32RT	1-2T	35090	69.9	266.7	171.5	215.9	63.5	22.2	134.9	53.2	34.1	85.7		5.53
2	SP-32T	2-2T	9752	3 1/8	11 1/4	7 5/8	9 3/8	2 3/4	7/8	5 15/16	2 1/4	1 3/8	3 1/2	5/8	14.7
			43377	79.4	285.8	193.7	238.1	69.9	22.2	150.8	57.2	34.9	88.9		6.67
2 1/8	SP-34T	2-22T	9752	3 1/8	11 1/4	7 5/8	9 3/8	2 3/4	7/8	5 15/16	2 1/4	1 3/8	3 5/8	5/8	14.7
2 3/16	SP-35T	2-23T	43377	79.4	285.8	193.7	238.1	69.9	22.2	150.8	57.2	34.9	92.1		6.67
2 1/4	SP-36T	2-24T	11789	3 1/8	11 1/2	7 7/8	9 3/8	3	7/8	6 1/16	2 5/8	1 5/8	4 1/16	3/4	17.7
			52437	79.4	292.1	200.0	238.1	76.2	22.2	154.0	66.7	41.3	103.2		8.03
2 3/8	SP-38T	2-26T	11789	3 1/8	11 1/2	7 7/8	9 3/8	3	7/8	6 1/16	2 5/8	1 5/8	4 1/8	3/4	17.7
2 7/16	SP-39T	2-27T	52437	79.4	292.1	200.0	238.1	76.2	22.2	154.0	66.7	41.3	104.8		8.03

For Standard Duty SKWEZLOC Locking Collar Bearing Inserts see page G-93. For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Pillow Block – Heavy Duty

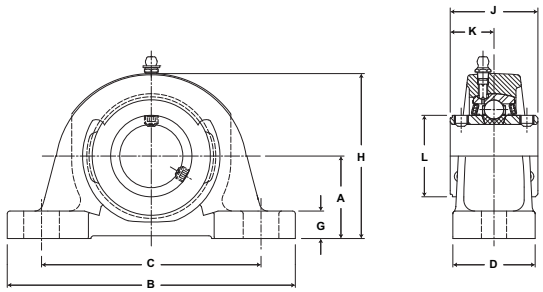
Self Alignment: +/- 2 Degrees

Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



SPD Series Standard Duty Pillow Blocks With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
7/8 15/16 1	SPD-14 SPD-15 SPD-16	2-014D 2-015D 2-1D	2801 12459	1 3/4 44.5	7 177.8	5 1/8 130.2	5 5/8 142.9	2 50.8	9/16 14.3	3 5/16 84.1	1 1/2 38.1	3/4 19.1	1 3/8 34.9	1/2	3.6 1.63
1 3/16	SPD-19	2-13D	4381 19487	2 50.8	7 1/2 190.5	5 3/8 136.5	6 1/8 155.6	2 50.8	5/8 15.9	3 7/8 98.4	1 3/4 44.5	7/8 22.2	1 19/32 40.5	1/2	5 2.27
1 1/4 1 3/8 1 7/16	SPD-20 SPD-22 SPD-23	2-14D 2-16D 2-17D	5782 25718	2 3/8 60.3	8 1/4 209.6	5 5/8 142.9	6 7/8 174.6	2 1/4 57.2	3/4 19.1	4 1/2 114.3	2 50.8	1 25.4	1 55/64 47.2	5/8	7.2 3.27
1 1/2 1 9/16	SPD-24 SPD-25	2-18D 2-19D	7340 32648	2 5/16 58.7	8 1/2 215.9	5 7/8 149.2	7 1/8 181.0	2 3/8 60.3	3/4 19.1	4 9/16 115.9	2 5/16 58.7	1 5/32 29.4	2 1/16 52.4	5/8	7.7 3.49
1 11/16 1 3/4	SPD-27 SPD-28	2-111D 2-112D	7901 35144	2 3/8 60.3	8 3/4 222.3	5 7/8 149.2	7 1/8 181.0	2 3/8 60.3	3/4 19.1	4 5/8 117.5	2 3/8 60.3	1 3/16 30.2	2 19/64 58.3	5/8	8.3 3.76
1 7/8 1 15/16	SPD-30 SPD-31	2-114D 2-115D	7889 35090	2 3/4 69.9	10 1/2 266.7	6 3/4 171.5	8 1/2 215.9	2 1/2 63.5	7/8 22.2	5 5/16 134.9	2 1/2 63.5	1 1/4 31.8	2 15/32 62.7	5/8	11.6 5.26
2 2 1/8 2 3/16	SPD-32 SPD-34 SPD-35	2-2D 2-22D 2-23D	9752 43377	3 1/8 79.4	11 1/4 285.8	7 5/8 193.7	9 3/8 238.1	2 3/4 69.9	7/8 22.2	5 15/16 150.8	2 5/8 66.7	1 5/16 33.3	2 23/32 69.1	5/8	14.1 6.40
2 1/4 2 3/8 2 7/16	SPD-36 SPD-38 SPD-39	2-24D 2-26D 2-27D	11789 52437	3 1/8 79.4	11 1/2 292.1	7 7/8 200.0	9 3/8 238.1	3 76.2	7/8 22.2	6 1/16 154.0	3 1/8 79.4	1 9/16 39.7	2 63/64 75.8	3/4	17 7.71
2 1/2 2 11/16	SPD-40 SPD-43	3-28D 2-211D	13971 62143	3 3/4 95.3	12 5/8 320.7	9 3/8 238.1	10 5/8 269.9	3 3/8 85.7	1 25.4	7 1/8 181.0	3 1/2 88.9	1 3/4 44.5	3 7/16 87.3	3/4	26.8 12.16
2 7/8 2 15/16	SPD-46 SPD-47	2-214D 2-215D	14839 66004	3 3/4 95.3	13 330.2	9 1/4 235.0	10 3/4 273.1	3 3/8 85.7	1 25.4	7 3/16 182.6	3 1/2 88.9	1 3/4 44.5	3 41/64 92.5	3/4	26.8 12.16
3 3 3/16	SPD-48 SPD-51	3-3D 2-33D	17412 77449	4 101.6	14 1/2 368.3	10 5/8 269.9	12 1/8 308.0	3 3/4 95.3	1 1/8 28.6	7 13/16 198.4	3 7/8 98.4	1 15/16 49.2	3 59/64 99.6	3/4	34.5 15.65

For Standard Duty Bearing Inserts-Double Lock see page G-94.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Pillow Block - High Base

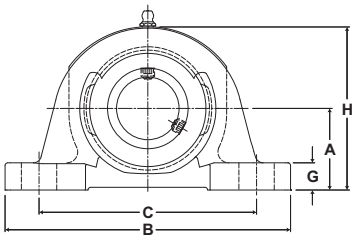
Self Alignment: +/- 2 Degrees

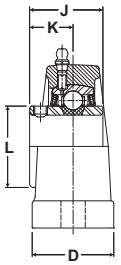
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F





MP Series Medium Duty Pillow Blocks - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L		
inch	mm						min.	max.								
15/16 1	 25	MP-15 MP-16 MP-305	3-015 3-1 5305	4381 19487	1 3/4 44.5	6 1/4 158.8	4 3/16 106.4	5 3/16 131.8	2 50.8	5/8 15.9	3 7/16 87.3	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	4.0 1.81
1 3/16 1 1/4	 30	MP-19 MP-20 MP-306	3-13 2-14 5306	5782 25718	1 7/8 47.6	6 7/8 174.6	4 1/2 114.3	5 1/2 139.7	2 1/4 57.2	11/16 17.5	3 13/16 96.8	1 11/16 42.9	1 25.4	1 55/64 47.2	1/2	5.4 2.45
1 7/16 1.378	 35	MP-23 MP-307	3-17 5307	7340 32648	2 1/8 54.0	8 203.2	5 127.0	6 3/8 161.9	2 1/4 57.2	3/4 19.1	4 3/16 106.4	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2	6.8 3.08
1 1/2	 40	MP-24 MP-308	3-18 5308	7901 35144	2 5/16 58.7	8 3/4 222.3	5 1/2 139.7	6 3/4 171.5	2 5/8 66.7	13/16 20.6	4 9/16 115.9	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	5/8	9.0 4.08
1 11/16 1 3/4	 45	MP-27 MP-28 MP-309	3-111 3-112 5309	7889 35090	2 5/16 58.7	8 3/4 222.3	5 7/16 138.1	6 13/16 173.0	2 5/8 66.7	13/16 20.6	4 5/8 117.5	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	9.5 4.31
1 15/16 2	 50	MP-31 MP-32 MP-310	3-115 2-2 5310	9752 43377	2 1/2 63.5	9 1/2 241.3	5 15/16 150.8	7 9/16 192.1	2 7/8 73.0	7/8 22.2	5 3/32 129.4	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5/8	11.7 5.31
2 3/16 2 1/4	 55	MP-35 MP-36 MP-311	3-23 2-24 5311	11789 52437	2 3/4 69.9	10 1/4 260.4	6 9/16 166.7	7 15/16 201.6	3 1/8 79.4	1 1/16 27.0	5 5/8 142.9	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	3/4	16.2 7.35
2 7/16 2 1/2	 65	MP-39 MP-40 MP-313	3-27 3-28 5313	13971 62143	3 76.2	11 1/4 285.8	7 1/8 181.0	8 7/8 225.4	3 1/4 82.6	1 1/16 27.0	6 1/4 158.8	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	3/4	21.5 9.75
2 11/16 2.756	 70	MP-43 MP-314	3-211 5314	14839 66004	3 1/2 88.9	13 330.2	7 7/8 200.0	10 1/8 257.2	3 1/2 88.9	1 1/8 28.6	7 177.8	3 1/16 77.8	1 3/4 44.5	3 41/64 92.5	7/8	29.2 13.24
2 15/16 3	 75	MP-47 MP-48 MP-315	3-215 3-3 5315	17412 77449	3 1/2 88.9	13 330.2	7 7/8 200.0	10 1/8 257.2	3 1/2 88.9	1 1/4 31.8	7 1/4 184.2	3 1/4 82.6	1 15/16 49.2	3 59/64 99.6	7/8	31.5 14.29
3 3/16 3 1/4	 80	MP-51 MP-52 MP-316	3-33 2-34 5316	18681 83093	4 101.6	15 381.0	9 11/16 246.1	12 9/16 319.1	4 101.6	1 1/4 31.8	8 203.2	3 3/8 85.7	2 1/32 51.6	4 5/32 105.6	7/8	44.1 20.00
3 7/16 3 1/2	 	MP-55 MP-56	3-37 2-38	21566 95926	4 101.6	15 381.0	9 5/8 244.5	12 5/8 320.7	4 3/8 111.1	1 5/16 33.3	8 1/4 209.6	3 25/32 96.0	2 7/32 56.4	4 25/64 111.5	7/8	47.8 21.68
3 15/16 4	 100	MP-63 MP-64 MP-320	3-315 3-4 5320	29905 133017	5 127.0	17 431.8	11 3/4 298.5	14 3/4 374.7	4 3/4 120.7	1 5/16 33.3	10 254.0	4 5/8 117.5	2 11/16 68.3	5 11/64 131.4	1	73.2 33.20

For Medium Duty Bearing Inserts-Single Lock see page G-95.

Metric dimensions for reference only.

Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Pillow Block - High Base

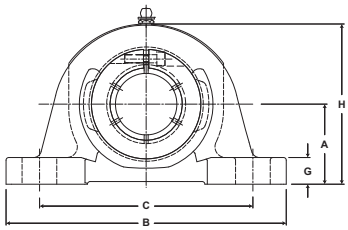
Self Alignment: +/- 2 Degrees

Lock: SKWEZLOC Locking Collar

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



MP-T Series Medium Duty Pillow Blocks - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1	MP-16T	3-1T	4381 19487	1 3/4 44.5	6 1/4 158.8	4 3/16 106.4	5 3/16 131.8	2 50.8	5/8 15.9	3 7/16 87.3	1 9/16 39.7	15/16 23.8	2 1/16 52.4	1/2	4.2 1.91
1 3/16 1 1/4	MP-19T MP-20T	3-13T 2-14T	5782 25718	1 7/8 47.6	6 7/8 174.6	4 1/2 114.3	5 1/2 139.7	2 1/4 57.2	11/16 17.5	3 13/16 96.8	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1/2	5.7 2.59
1 7/16	MP-23T	3-17T	7340 32648	2 1/8 54.0	8 203.2	5 127.0	6 3/8 161.9	2 1/4 57.2	3/4 19.1	4 3/16 106.4	2 50.8	1 1/4 31.8	2 11/16 68.3	1/2	7.1 3.22
1 1/2	MP-24T	3-18T	7901 35144	2 5/16 58.7	8 3/4 222.3	5 1/2 139.7	6 3/4 171.5	2 5/8 66.7	13/16 20.6	4 9/16 115.9	2 50.8	1 1/4 31.8	2 13/16 71.4	5/8	9.3 4.22
1 11/16 1 3/4	MP-27T MP-28T	3-111T 3-112T	7889 35090	2 5/16 58.7	8 3/4 222.3	5 7/16 138.1	6 13/16 173.0	2 5/8 66.7	13/16 20.6	4 5/8 117.5	2 3/32 53.2	1 11/32 34.1	3 1/4 82.6	5/8	10.1 4.58
1 15/16 2	MP-31T MP-32T	3-115T 2-2T	9752 43377	2 1/2 63.5	9 1/2 241.3	5 15/16 150.8	7 9/16 192.1	2 7/8 73.0	7/8 22.2	5 3/32 129.4	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5/8	12.3 5.58
2 3/16 2 1/4	MP-35T MP-36T	3-23T 2-24T	11789 52437	2 3/4 69.9	10 1/4 260.4	6 9/16 166.7	7 15/16 201.6	3 1/8 79.4	1 1/16 27.0	5 5/8 142.9	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	3/4	17.4 7.89

For Medium Duty SKWEZLOC Locking Collar Bearing inserts see page G-96. For Replacement Lock Collar see page G-98.

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Pillow Block - High Base

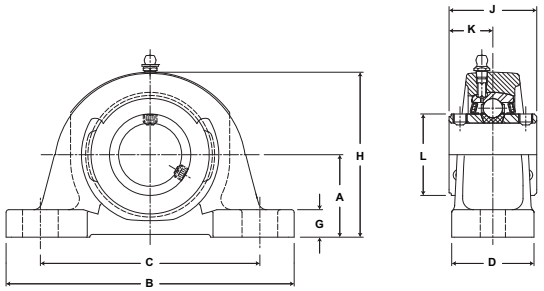
Self Alignment: +/- 2 Degrees

Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



MPD Series Medium Duty Pillow Blocks With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1	MPD-16	3-1D	4381 19487	1 3/4 44.5	6 1/4 158.8	4 3/16 106.4	5 3/16 131.8	2 50.8	5/8 15.9	3 7/16 87.3	1 3/4 44.5	7/8 22.2	1 19/32 40.5	1/2	4.0 1.81
1 3/16 1 1/4	MPD-19 MPD-20	3-13D 2-14D	5782 25718	1 7/8 47.6	6 7/8 174.6	4 1/2 114.3	5 1/2 139.7	2 1/4 57.2	11/16 17.5	3 13/16 96.8	2 50.8	1 25.4	1 55/64 47.2	1/2	5.4 2.45
1 7/16	MPD-23	3-17D	7340 32648	2 1/8 54.0	8 203.2	5 127.0	6 3/8 161.9	2 1/4 57.2	3/4 19.1	4 3/16 106.4	2 5/16 58.7	1 5/32 29.4	2 1/16 52.4	1/2	6.8 3.08
1 1/2	MPD-24	3-18D	7901 35144	2 5/16 58.7	8 3/4 222.3	5 1/2 139.7	6 3/4 171.5	2 5/8 66.7	13/16 20.6	4 9/16 115.9	2 3/8 60.3	1 3/16 30.2	2 19/64 58.3	5/8	9.0 4.08
1 11/16 1 3/4	MPD-27 MPD-28	3-111D 3-112D	7889 35090	2 5/16 58.7	8 3/4 222.3	5 7/16 138.1	6 13/16 173.0	2 5/8 66.7	13/16 20.6	4 5/8 117.5	2 1/2 63.5	1 1/4 31.8	2 15/32 62.7	5/8	9.5 4.31
1 15/16 2	MPD-31 MPD-32	3-115D 2-2D	9752 43377	2 1/2 63.5	9 1/2 241.3	5 15/16 150.8	7 9/16 192.1	2 7/8 73.0	7/8 22.2	5 3/32 129.4	2 5/8 66.7	1 5/16 33.3	2 23/32 69.1	5/8	11.7 5.31
2 3/16 2 1/4	MPD-35 MPD-36	3-23D 2-24D	11789 52437	2 3/4 69.9	10 1/4 260.4	6 9/16 166.7	7 15/16 201.6	3 1/8 79.4	1 1/16 27.0	5 5/8 142.9	3 1/8 79.4	1 9/16 39.7	2 63/64 75.8	3/4	16.2 7.35
2 7/16 2 1/2	MPD-39 MPD-40	3-27D 3-28D	13971 62143	3 76.2	11 1/4 285.8	7 1/8 181.0	8 7/8 225.4	3 1/4 82.6	1 1/16 27.0	6 1/4 158.8	3 1/2 88.9	1 3/4 44.5	3 7/16 87.3	3/4	21.5 9.75
2 11/16	MPD-43	3-211D	14839 66004	3 1/2 88.9	13 330.2	7 7/8 200.0	10 1/8 257.2	3 1/2 88.9	1 1/8 28.6	7 177.8	3 1/2 88.9	1 3/4 44.5	3 41/64 92.5	7/8	29.2 13.24
2 15/16 3	MPD-47 MPD-48	3-215D 3-3D	17412 77449	3 1/2 88.9	13 330.2	7 7/8 200.0	10 1/8 257.2	3 1/2 88.9	1 1/4 31.8	7 1/4 184.2	3 7/8 98.4	1 15/16 49.2	3 59/64 99.6	7/8	31.5 14.29
3 3/16 3 1/4	MPD-51 MPD-52	3-33D 2-34D	18681 83093	4 101.6	15 381.0	9 11/16 246.1	12 9/16 319.1	4 101.6	1 1/4 31.8	8 203.2	4 1/16 103.2	2 1/32 51.6	4 5/32 105.6	7/8	44.1 20.00
3 7/16 3 1/2	MPD-55 MPD-56	3-37D 2-38D	21566 95926	4 101.6	15 381.0	9 5/8 244.5	12 5/8 320.7	4 3/8 111.1	1 5/16 33.3	8 1/4 209.6	4 7/16 112.7	2 7/32 56.4	4 25/64 111.5	7/8	47.8 21.68
3 15/16 4	MPD-63 MPD-64	3-315D 3-4D	29905 133017	5 127.0	17 431.8	11 3/4 298.5	14 3/4 374.7	4 3/4 120.7	1 5/16 33.3	10 254.0	5 3/8 136.5	2 11/16 68.3	5 11/64 131.4	1	73.2 33.20

For Medium Duty Bearing Inserts-Double Lock see page G-97.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Four Bolt Pillow Block - High Base

Self Alignment +/- 2 Degrees

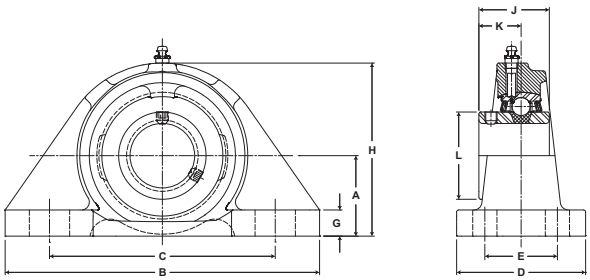
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F

Relube: Relube



MFP Series Medium Duty Four-Bolt Base Pillow Blocks - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L		
inch	mm						min.	max.									
1 15/16		MFP-31	3-115	9752	2 1/2	9 3/4	6 3/8	7 5/8	4	2 1/4	13/16	5 3/8	2 3/16	1 5/16	2 23/32	5/8	13.7
2		MFP-32	2-2	43377	63.5	247.7	161.9	193.7	101.6	57.2	20.6	136.5	55.6	33.3	69.1		6.21
	50	MFP-310	5310														
2 3/16		MFP-35	3-23	11789	2 3/4	10 1/4	6 7/8	8 1/8	4 1/8	2 1/4	7/8	5 13/16	2 9/16	1 9/16	2 63/64	5/8	17.0
2 1/4		MFP-36	2-24	52437	69.9	260.4	174.6	206.4	104.8	57.2	22.2	147.6	65.1	39.7	75.8		7.71
	55	MFP-311	5311														
2 7/16		MFP-39	3-27	13971	3	11 1/4	7 1/2	9	4 1/2	2 5/8	1	6 1/2	2 3/4	1 11/16	3 7/16	5/8	23.3
2 1/2		MFP-40	3-28	62143	76.2	285.8	190.5	228.6	114.3	66.7	25.4	165.1	69.9	42.9	87.3		10.57
	65	MFP-313	5313														
2 11/16		MFP-43	3-211	14839	3 1/2	13	9	10 1/2	5	2 3/4	1 1/8	7 1/4	3 1/16	1 3/4	3 41/64	3/4	34.0
	70	MFP-314	5314	66004	88.9	330.2	228.6	266.7	127.0	69.9	28.6	184.2	77.8	44.5	92.5		15.42
2 15/16		MFP-47	3-215	17412	3 1/2	13	9	10 1/2	5	2 3/4	1	7 3/8	3 1/4	1 15/16	3 59/64	3/4	36.5
3		MFP-48	3-3	77449	88.9	330.2	228.6	266.7	127.0	69.9	25.4	187.3	82.6	49.2	99.6		16.56
	75	MFP-315	5315														
3 3/16		MFP-51	3-33	18681	4	15	10 3/4	12 1/4	5	3	1 1/16	8 7/16	3 3/8	2 1/32	4 5/32	3/4	44.5
3 1/4		MFP-52	2-34	83093	101.6	381.0	273.1	311.2	127.0	76.2	27.0	214.3	85.7	51.6	105.6		20.18
	80	MFP-316	5316														
3 7/16		MFP-55	3-37	21566	4	15	10 3/4	12 1/4	5	3	1 1/16	8 7/16	3 25/32	2 7/32	4 25/64	3/4	48.6
3 1/2		MFP-56	2-38	95926	101.6	381.0	273.1	311.2	127.0	76.2	27.0	214.3	96.0	56.4	111.5		22.04
3 15/16		MFP-63	3-315	29905	5	17	12 7/16	14 1/16	6	3 1/2	1 1/4	10 1/4	4 5/8	2 11/16	5 11/64	7/8	83.5
4		MFP-64	3-4	133017	127.0	431.8	315.9	357.2	152.4	88.9	31.8	260.4	117.5	68.3	131.4		37.87
	100	MFP-320	5320														

For Medium Duty Bearing Inserts-Single Lock see page G-95.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Four Bolt Pillow Block - High Base

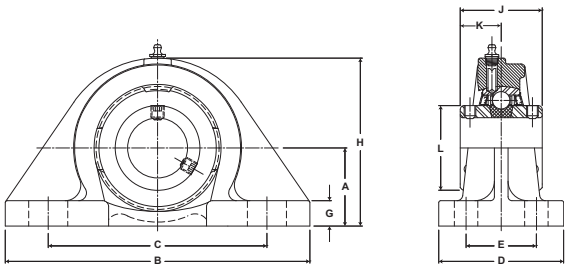
Self Alignment: +/- 2 Degrees

Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



MFPD Series Medium Duty Four-Bolt Base Pillow Blocks With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	E	G	H	J	K	L		
1 15/16	MFPD-31	3-115D	9752 43377	2 1/2 63.5	9 3/4 247.7	6 3/8 161.9	7 5/8 193.7	4 101.6	2 1/4 57.2	13/16 20.6	5 3/8 136.5	2 5/8 66.7	1 5/16 33.3	2 23/32 69.1	5/8	13.7 6.21
2 3/16	MFPD-35	3-23D	11789 52437	2 3/4 69.9	10 1/4 260.4	6 7/8 174.6	8 1/8 206.4	4 1/8 104.8	2 1/4 57.2	7/8 22.2	5 13/16 147.6	3 1/8 79.4	1 9/16 39.7	2 63/64 75.8	5/8	17 7.71
2 7/16 2 1/2	MFPD-39 MFPD-40	3-27D 3-28D	13971 62143	3 76.2	11 1/4 285.8	7 1/2 190.5	9 228.6	4 1/2 114.3	2 5/8 66.7	1 25.4	6 1/2 165.1	3 1/2 88.9	1 3/4 44.5	3 7/16 87.3	5/8	23.3 10.57
2 11/16	MFPD-43	3-211D	14839 66004	3 1/2 88.9	13 330.2	9 228.6	10 1/2 266.7	5 127.0	2 3/4 69.9	1 1/8 28.6	7 1/4 184.2	3 1/2 88.9	1 3/4 44.5	3 41/64 92.5	3/4	34 863.6
2 15/16 3	MFPD-47 MFPD-48	3-215D 3-3D	17412 77449	3 1/2 88.9	13 330.2	9 228.6	10 1/2 266.7	5 127.0	2 3/4 69.9	1 25.4	7 3/8 187.3	3 7/8 98.4	1 15/16 49.2	3 59/64 99.6	3/4	36.5 16.56
3 7/16 3 1/2	MFPD-55 MFPD-56	3-37D 2-38D	21566 95926	4 101.6	15 381.0	25 3/4 654.1	12 1/4 311.2	5 127.0	3 76.2	1 1/16 27.0	8 7/16 214.3	4 39/89 112.7	2 7/32 56.4	4 25/64 111.5	3/4	48.6 22.04
3 15/16 4	MFPD-63 MFPD-64	3-315D 3-4D	29905 133017	5 127.0	17 431.8	12 7/16 315.9	14 1/16 357.2	6 152.4	3 1/2 88.9	1 1/4 31.8	10 1/4 260.4	5 3/8 136.5	2 11/16 68.3	5 11/64 131.4	7/8	83.5 37.87
4 7/16 4 15/16 5	MFPD-71* MFPD-79* MFPD-80	3-47D 3-415D 3-500D	37482 166720	6 152.4	19 482.6	14 355.6	16 406.4	5 1/2 139.7	3 1/4 82.6	1 5/8 41.3	12 1/8 308.0	5 3/4 146.1	2 7/8 73.0	6 11/32 161.1	1	130.0 58.97

* Units MFPD-71, MFPD-79 and MFPD-80 are not available with contact seal.
For Medium Duty Bearing Inserts-Double Lock see page G-97.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Pillow Block – Heavy Duty

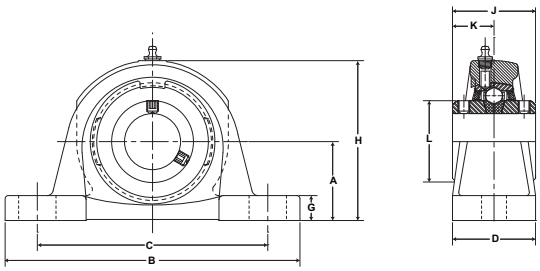
Self Alignment: +/- 2 Degrees

Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



MSPD Series Medium Duty Pillow Blocks With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1 11/16 1 3/4	MSPD-27 MSPD-28	3-111D 3-112D	7889 35090	2 3/8 60.3	8 7/8 225.4	6 7/16 163.5	7 7/16 188.9	2 1/2 63.5	3/4 19.1	4 13/16 122.2	2 1/2 63.5	1 1/4 31.8	2 1/2 63.5	5/8	9.5 4.31
1 15/16 2	MSPD-31 MSPD-32	3-115D 2-2D	9752 43377	2 3/4 69.9	10 254.0	7 1/8 181.0	8 3/8 212.7	2 5/8 66.7	7/8 22.2	5 7/16 138.1	2 5/8 66.7	1 5/16 33.3	2 5/8 66.7	5/8	12.5 5.67
2 3/16 2 1/4	MSPD-35 MSPD-36	3-23D 2-24D	11789 52437	3 1/8 79.4	10 7/8 276.2	7 7/8 200.0	9 3/8 238.1	2 3/4 69.9	15/16 23.8	6 1/16 154.0	3 1/8 79.4	1 9/16 39.7	2 63/64 75.8	5/8	17.0 7.71
2 7/16 2 1/2	MSPD-39 MSPD-40	3-27D 3-28D	13971 62143	3 1/8 79.4	11 3/4 298.5	8 3/4 222.3	9 7/8 250.8	3 76.2	1 25.4	6 5/16 160.3	3 1/2 88.9	1 3/4 44.5	3 1/2 88.9	3/4	22.0 9.98
2 11/16	MSPD-43	3-211D	14839 66004	3 3/4 95.3	13 3/8 339.7	10 1/8 257.2	11 3/8 288.9	3 1/4 82.6	1 25.4	7 5/16 185.7	3 1/2 88.9	1 3/4 44.5	3 1/2 88.9	3/4	28.0 12.70
2 15/16 3	MSPD-47 MSPD-48	3-215D 3-3D	17412 77449	3 3/4 95.3	13 3/4 349.3	10 254.0	11 1/2 292.1	3 3/8 85.7	1 3/16 30.2	7 1/2 190.5	3 7/8 98.4	1 15/16 49.2	3 7/8 98.4	7/8	33.0 14.97
3 7/16 3 1/2	MSPD-55 MSPD-56	3-37D 2-38D	21566 95926	4 9/16 115.9	15 3/8 390.5	12 1/8 308.0	13 1/2 342.9	4 101.6	1 1/4 31.8	8 13/16 223.8	4 7/16 112.7	2 7/32 56.4	4 7/16 112.7	7/8	51.0 23.13
3 15/16 4	MSPD-63 MSPD-64	3-315D 3-4D	29905 133017	5 1/8 130.2	17 431.8	13 1/8 333.4	14 3/4 374.7	4 3/4 120.7	1 1/4 31.8	10 1/8 257.2	5 3/8 136.5	2 11/16 68.3	5 3/8 136.5	1	74.5 33.79
4 7/16 4 15/16	MSPD-71 MSPD-79	3-47D * 3-415D *	37482 166720	6 1/4 158.8	21 1/4 539.8	15 1/16 382.6	18 3/16 462.0	6 1/4 158.8	1 3/4 44.5	12 1/2 317.5	5 3/4 146.1	2 7/8 73.0	5 3/4 146.1	1 1/8	159.0 72.12

* Units MSPD-71 and MSPD-79 are not available with contact seal.
For Medium Duty Bearing Inserts-Double Lock see page G-97.

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Four Bolt Pillow Block – Heavy Duty

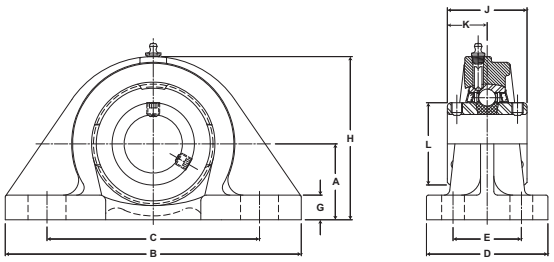
Self Alignment: +/- 2 Degrees

Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



MSFPD Series Medium Duty Four-Bolt Base Pillow Blocks With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	E	G	H	J	K	L		
1 15/16 2	MSFPD-31 MSFPD-32	3-115D 2-2D	9752 43377	2 3/4 69.9	9 3/4 247.7	6 3/8 161.9	7 5/8 193.7	4 101.6	2 1/4 57.2	1 1/16 27.0	5 5/8 142.9	2 5/8 66.7	1 5/16 33.3	2 5/8 66.7	5/8	15.4 6.99
2 3/16 2 1/4	MSFPD-35 MSFPD-36	3-23D 2-24D	11789 52437	3 1/8 79.4	10 1/4 260.4	6 7/8 174.6	8 1/8 206.4	4 1/8 104.8	2 1/4 57.2	1 1/4 31.8	6 3/16 157.2	3 1/8 79.4	1 9/16 39.7	2 63/64 75.8	5/8	20.1 9.12
2 7/16 2 1/2	MSFPD-39 MSFPD-40	3-27D 3-28D	13971 62143	3 1/8 79.4	11 5/16 287.3	7 1/2 190.5	9 228.6	4 1/2 114.3	2 5/8 66.7	1 1/8 28.6	6 5/8 168.3	3 1/2 88.9	1 3/4 44.5	3 1/2 88.9	5/8	25.4 11.52
2 11/16	MSFPD-43	3-211D	14839 66004	3 3/4 95.3	13 330.2	9 228.6	10 1/2 266.7	5 127.0	2 3/4 69.9	1 3/8 34.9	7 1/2 190.5	3 1/2 88.9	1 3/4 44.5	3 1/2 88.9	3/4	37.3 16.92
2 15/16 3	MSFPD-47 MSFPD-48	3-215D 3-3D	17412 77449	3 3/4 95.3	13 330.2	9 228.6	10 1/2 266.7	5 127.0	2 3/4 69.9	1 1/4 31.8	7 5/8 193.7	3 7/8 98.4	1 15/16 49.2	3 7/8 98.4	3/4	40.1 18.19
3 3/16 3 1/4	MSFPD-51 MSFPD-52	3-33D 2-34D	18681 83093	4 1/8 104.8	15 381.0	10 3/4 273.1	12 1/4 311.2	5 127.0	3 76.2	1 3/16 30.2	8 9/16 217.5	4 1/16 103.2	2 1/32 51.6	4 5/32 105.6	3/4	51.2 23.22
3 7/16 3 1/2	MSFPD-55 MSFPD-56	3-37D 2-38D	21566 95926	4 9/16 115.9	15 381.0	10 3/4 273.1	12 1/4 311.2	5 127.0	3 76.2	1 1/4 31.8	9 228.6	4 7/16 112.7	2 7/32 56.4	4 7/16 112.7	3/4	51.8 23.50
3 15/16 4	MSFPD-63 MSFPD-64	3-315D 3-4D	29905 133017	5 1/8 130.2	17 431.8	12 7/16 315.9	14 1/16 357.2	6 152.4	3 1/2 88.9	1 3/8 34.9	10 3/8 263.5	5 3/8 136.5	2 11/16 68.3	5 3/8 136.5	7/8	84.6 38.37
4 7/16 4 15/16	MSFPD-71 MSFPD-79	3-47D 3-415D	37482 166720	6 1/4 158.8	19 482.6	14 355.6	16 406.4	5 1/2 139.7	3 1/4 82.6	1 7/8 47.6	12 3/8 314.3	5 3/4 146.1	2 7/8 73.0	5 3/4 146.1	1	136.0 61.69

For Medium Duty Bearing Inserts-Double Lock see page G-97.
Units MSFPD-71 and MSFPD-79 are not available with contact seal.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Pillow Block - Heavy Duty

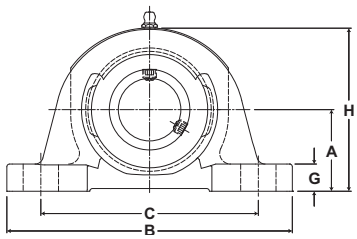
Self Alignment: +/- 2 Degrees

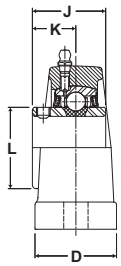
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F





SPM Series Medium Duty Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm									Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L	
1 3/16	SPM-19	3-13	5782 25718	2 50.8	7 1/2 190.5	5 3/8 136.5	6 1/8 155.6	2 50.8	5/8 15.9	3 7/8 98.4	1 11/16 42.9	1 25.4	1 55/64 47.2	1/2	6.9 3.13
1 7/16	SPM-23	3-17	7340 32648	2 3/8 60.3	8 1/4 209.6	5 5/8 142.9	6 7/8 174.6	2 1/4 57.2	3/4 19.1	4 1/2 114.3	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	5/8	7.1 3.22
1 11/16 1 3/4	SPM-27 SPM-28	3-111 3-112	7889 35090	2 3/8 60.3	8 3/4 222.3	5 7/8 149.2	7 1/8 181.0	2 3/8 60.3	3/4 19.1	4 5/8 117.5	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	9.7 4.40
1 15/16	SPM-31	3-115	9752 43377	2 3/4 69.9	10 1/2 266.7	6 3/4 171.5	8 1/2 215.9	2 1/2 63.5	7/8 22.2	5 5/16 134.9	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5/8	11.9 5.40
2 3/16	SPM-35	3-23	11789 52437	3 1/8 79.4	11 1/4 285.8	7 5/8 193.7	9 3/8 238.1	2 3/4 69.9	7/8 22.2	5 15/16 150.8	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5/8	16.6 7.53
2 7/16 2 1/2	SPM-39 SPM-40	3-27 3-28	13971 62143	3 1/8 79.4	11 1/2 292.1	7 7/8 200.0	9 3/8 238.1	3 76.2	7/8 22.2	6 1/4 158.8	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	3/4	20.1 9.12

For Medium Duty Bearing Inserts-Single Lock see page G-95.

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Tapped Base Pillow Block

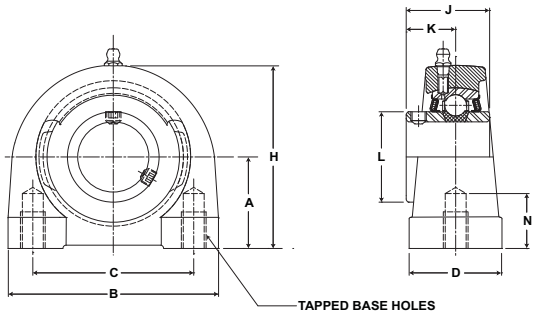
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



TB Series Tapped Base Pillow Blocks - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm									Bolt UNC-2B Thread	Unit Wt. lb/kg
inch	mm				A	B	C	D	H	J	K	L	N Tap Depth		
1/2		TB-8	2-08												
9/16		TB-9	2-09												
5/8		TB-10	2-010	2611	1 5/16	3 1/8	2	1 1/2	2 9/16	1 7/32	23/32	1 3/16	1/2	3/8-16	1.8
11/16		TB-11	2-011	11614	33.3	79.4	50.8	38.1	65.1	31.0	18.3	30.2	12.7		.82
3/4		TB-12	2-012												
	20	TB-204	5204												
7/8		TB-14	2-014												
15/16		TB-15	2-015	2801	1 7/16	3	2	1 1/2	2 13/16	1 3/8	13/16	1 3/8	1/2	3/8-16	2.0
1		TB-16	2-1	12459	36.5	76.2	50.8	38.1	71.4	34.9	20.6	34.9	12.7		.91
	25	TB-205	5205												
1 1/16		TB-17	2-11												
1 1/8		TB-18	2-12												
1 3/16		TB-19	2-13	4381	1 11/16	4	3	1 1/2	3 13/32	1 1/2	7/8	1 19/32	5/8	7/16-14	3.5
1 1/4		TB-20R	1-14	19487	42.9	101.6	76.2	38.1	86.5	38.1	22.2	40.5	15.9		1.59
	30	TB-206	5206												
1 1/4		TB-20	2-14												
1 5/16		TB-21	2-15												
1 3/8		TB-22	2-16	5782	1 7/8	4 1/4	3 1/4	1 7/8	3 3/4	1 11/16	1	1 55/64	3/4	1/2-13	4.5
1 7/16		TB-23	2-17	25718	47.6	108.0	82.6	47.6	95.3	42.9	25.4	47.2	19.1		2.04
	35	TB-207	5207												
1 1/2		TB-24	2-18												
1 9/16		TB-25	2-19	7340	1 15/16	4 5/8	3 1/2	1 7/8	3 15/16	1 15/16	1 3/16	2 1/16	3/4	1/2-13	6.0
	40	TB-208	5208	32648	49.2	117.5	88.9	47.6	100.0	49.2	30.2	52.4	19.1		2.72
1 5/8		TB-26	2-110												
1 11/16		TB-27	2-111	7901	2 1/8	5	3 3/4	2	4 1/4	1 15/16	1 3/16	2 19/64	3/4	1/2-13	6.5
1 3/4		TB-28	2-112	35144	54.0	127.0	95.3	50.8	108.0	49.2	30.2	58.3	19.1		2.95
	45	TB-209	5209												
1 7/8		TB-30	2-114												
1 15/16		TB-31	2-115	7889	2 1/4	5 1/2	4	2	4 5/8	2 1/32	1 9/32	2 15/32	7/8	5/8-11	8.0
2		TB-32R	1-2	35090	57.2	139.7	101.6	50.8	117.5	51.6	32.5	62.7	22.2		3.63
	50	TB-210	5210												

For Standard Duty Bearing Inserts-Single Lock see page G-92.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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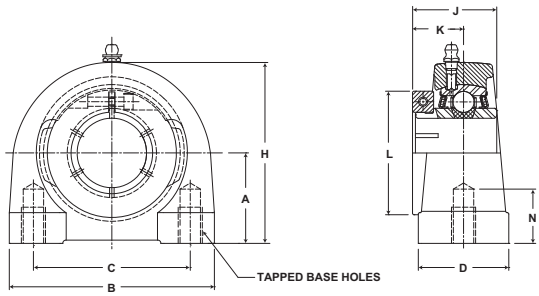
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Tapped Base Pillow Block
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



TB-T Series Standard Duty Tapped Base Pillow Block - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm									Bolt UNC-2B Thread	Unit Wt. lb/kg
				A	B	C	D	H	J	K	L	N Tap Depth		
3/4	*TB-12T	2-012T	2611 11614	1 5/16 33.3	3 1/8 79.4	2 50.8	1 1/2 38.1	2 9/16 65.1	1 9/32 32.5	25/32 19.8	1 3/4 44.5	1/2 12.7	3/8-16	1.8 .82
15/16 1	TB-15T TB-16T	2-015T 2-1T	2801 12459	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 7/16 36.5	7/8 22.2	1 15/16 49.2	1/2 12.7	3/8-16	2.0 .91
1 1/8 1 3/16 1 1/4	TB-18T TB-19T TB-20RT	2-12T 2-13T 1-14T	4381 19487	1 11/16 42.9	4 101.6	3 76.2	1 1/2 38.1	3 13/32 86.5	1 9/16 39.7	15/16 23.8	2 3/16 55.6	5/8 15.9	7/16-14	3.7 1.68
1 1/4	TB-20T	2-14T	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	3/4 19.1	1/2-13	4.8 2.18
1 3/8 1 7/16	TB-22T TB-23T	2-16T 2-17T	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	3/4 19.1	1/2-13	4.8 2.18
1 1/2	TB-24T	2-18T	7340 32648	1 15/16 49.2	4 5/8 117.5	3 1/2 88.9	1 7/8 47.6	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	3/4 19.1	1/2-13	6.3 2.86
1 5/8	TB-26T	2-110T	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	2 50.8	1 1/4 31.8	2 13/16 71.4	3/4 19.1	1/2-13	6.8 3.08
1 11/16 1 3/4	TB-27T TB-28T	2-111T 2-112T	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	2 50.8	1 1/4 31.8	2 15/16 74.6	3/4 19.1	1/2-13	6.8 3.08
1 15/16 2	TB-31T TB-32RT	2-115T 1-2T	7889 35090	2 1/4 57.2	5 1/2 139.7	4 101.6	2 50.8	4 5/8 117.5	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	7/8 22.2	5/8-11	8.6 3.90

* Bearing reversed in housing for collar clearance

TB-T Series Standard Duty Tapped Base Pillow Block - SKWEZLOC Locking Collar - Metric -SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch									M Bolt Thread mm	Unit Wt. kg/lb
				A	B	C	D	H	J	K	L	N Min. Tap Depth		
20	*TB-204TMC	5204TMC	11614 2611	33.3 1 5/16	79.4 3 1/8	52.0 2 3/64	38.1 1 1/2	65.1 2 9/16	32.5 1 9/32	19.8 25/32	44.5 1 3/4	11 7/16	M10 x 1.5	.82 1.8
25	TB-205TMC	5205TMC	12459 2801	36.5 1 7/16	76.2 3	56.0 2 13/64	38.1 1 1/2	71.4 2 13/16	36.5 1 7/16	22.2 7/8	49.2 1 15/16	11 7/16	M10 x 1.5	.91 2.0
30	TB-206TMC	5206TM	19487 4381	42.9 1 11/16	101.6 4	65.9 2 19/32	38.1 1 1/2	86.5 3 13/32	39.7 1 9/16	23.8 15/16	55.6 2 3/16	16 5/8	M14 x 2.0	1.68 3.7
35	TB-207TMC	5207TMC	25718 5782	47.6 1 7/8	108.0 4 1/4	80.2 3 5/32	47.6 1 7/8	95.3 3 3/4	44.5 1 3/4	27.0 1 1/16	65.1 2 9/16	17.5 11/16	M14 x 2.0	2.18 4.8
40	TB-208TMC	5208TMC	32648 7340	49.2 1 15/16	117.5 4 5/8	84.1 3 5/16	47.6 1 7/8	100.0 3 15/16	50.8 2	31.8 1 1/4	68.3 2 11/16	17.5 11/16	M14 x 2.0	2.86 6.3
45	TB-209TMC	5209TMC	35144 7901	54.0 2 1/8	127.0 5	90.1 3 35/64	50.8 2	108.0 4 1/4	50.8 2	31.8 1 1/4	74.6 2 15/16	22 7/8	M14 x 2.0	3.08 6.8
50	TB-210TMC	5210TMC	35090 7889	57.2 2 1/4	139.7 5 1/2	94.1 3 45/64	50.8 2	117.5 4 5/8	53.2 2 3/32	34.1 1 11/32	85.7 3 3/8	22 7/8	M16 x 2.0	3.90 8.6

* Bearing reversed in housing for collar clearance
For Standard Duty SKWELOC Single Locking Collar Bearing Inserts see page G-93. For Replacement Lock Collar see page G-98.

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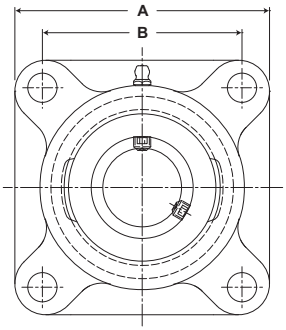
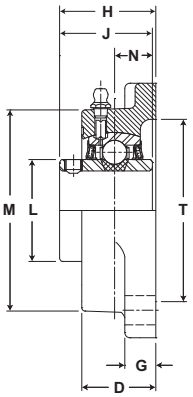
SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





SF Series Standard Duty Four-Bolt Flange Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
inch	mm				A	B*	D	G	H	J	N	L	M	T Core		
1/2 9/16 5/8 11/16		SF-8 SF-9 SF-10 SF-11	2-08 2-09 2-010 2-011	2611 11614	3 76.2	2 1/8 54.0	59/64 23.4	7/16 11.1	1 9/32 32.5	1 7/32 31.0	1/2 12.7	1 3/16 30.2	2 17/64 57.5	2 50.8	3/8	1.4 .64
3/4	20	SF-12 SF-204	2-012 5204	2611 11614	3 3/8 85.7	2 1/2 63.5	59/64 23.4	7/16 11.1	1 9/32 32.5	1 7/32 31.0	1/2 12.7	1 3/16 30.2	2 11/32 59.5	2 50.8	3/8	1.5 .68
13/16 7/8 15/16 1	25	SF-13 SF-14 SF-15 SF-16 SF-205	2-013 2-014 2-015 2-1 5205	2801 12459	3 3/4 95.3	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 7/16 36.5	1 3/8 34.9	9/16 14.3	1 3/8 34.9	2 23/32 69.1	2 3/8 60.3	7/16	2.1 .95
1 1/16 1 1/8 1 3/16 1 1/4	30	SF-17 SF-18 SF-19 SF-20R SF-206	2-11 2-12 2-13 1-14 5206	4381 19487	4 1/4 108.0	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 9/16 39.7	1 1/2 38.1	5/8 15.9	1 19/32 40.5	3 7/32 81.8	2 7/8 73.0	7/16	3.6 1.63
1 1/4 1 5/16 1 3/8 1 7/16	35	SF-20 SF-21 SF-22 SF-23 SF-207	2-14 2-15 2-16 2-17 5207	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 3/4 44.5	1 11/16 42.9	11/16 17.5	1 55/64 47.2	3 23/32 94.5	3 5/16 84.1	1/2	4.1 1.86
1 1/2 1 9/16	40	SF-24 SF-25 SF-208	2-18 2-19 5208	7340 32648	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 1/64 51.2	1 15/16 49.2	3/4 19.1	2 1/16 52.4	4 5/64 103.6	3 1/2 88.9	1/2	5.5 2.49
1 5/8 1 11/16 1 3/4	45	SF-26 SF-27 SF-28 SF-209	2-110 2-111 2-112 5209	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	3/4 19.1	2 19/64 58.3	4 21/64 109.9	3 7/8 98.4	9/16	5.7 2.59
1 13/16 1 7/8 1 15/16 2	50	SF-29 SF-30 SF-31 SF-32R SF-210	2-113 2-114 2-115 1-2 5210	7889 35090	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	3/4 19.1	2 15/32 62.7	4 33/64 114.7	4 101.6	9/16	6.4 2.90
2 2 1/8 2 3/16	55	SF-32 SF-34 SF-35 SF-211	2-2 2-22 2-23 5211	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	7/8 22.2	2 23/32 69.1	5 3/16 131.8	4 1/4 108.0	5/8	10.5 4.76
2 1/4 2 3/8 2 7/16	60	SF-36 SF-38 SF-39 SF-212	2-24 2-26 2-27 5212	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 11/16 68.3	2 9/16 65.1	1 25.4	2 63/64 75.8	5 7/16 138.1	5 127.0	5/8	11.8 5.35
2 1/2 2 11/16	70	SF-40 SF-43 SF-214	3-28 2-211 5214	13971 62143	7 3/8 187.3	5 7/8 149.2	2 5/16 58.7	11/16 17.5	3 76.2	2 3/4 69.9	1 1/16 27.0	3 7/16 87.3	6 1/8 155.6	5 1/8 130.2	5/8	16.4 7.44
2 7/8 2 15/16	75	SF-46 SF-47 SF-215	2-214 2-215 5215	14839 66004	7 3/4 196.9	6 152.4	2 3/8 60.3	1 25.4	3 3/16 81.0	3 1/16 77.8	1 5/16 33.3	3 41/64 92.5	6 1/2 165.1	5 7/8 149.2	3/4	19.4 8.80

For Standard Duty Bearing Inserts-Single Lock see page G-92.
*To obtain bolt circle, multiply B x 1.414".
Metric dimensions for reference only.

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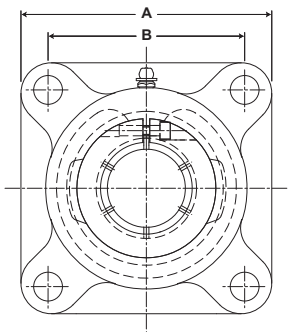
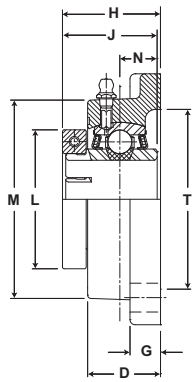
SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





SF-T Series Standard Duty Four Bolt Flange - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	D	G	H	J	L	M	N	T Core		
3/4	SF-12T	2-012T	2611 11614	3 3/8 85.7	2 1/2 63.5	59/64 23.4	7/16 11.1	1 11/32 34.1	1 9/32 32.5	1 3/4 44.5	2 11/32 59.5	1/2 12.7	2 50.8	3/8	1.6 .73
15/16 1	SF-15T SF-16T	2-015T 2-1T	2801 12459	3 3/4 95.3	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 1/2 38.1	1 7/16 36.5	1 15/16 49.2	2 23/32 69.1	9/16 14.3	2 3/8 60.3	7/16	2.3 1.04
1 1/8 1 3/16 1 1/4	SF-18T SF-19T SF-20RT	2-12T 2-13T 1-14T	4381 19487	4 1/4 108.0	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 3/16 55.6	3 7/32 81.8	5/8 15.9	2 7/8 73.0	7/16	3.8 1.72
1 1/4	SF-20T	2-14T	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	3 23/32 94.5	11/16 17.5	3 5/16 84.1	1/2	4.4 2.00
1 3/8 1 7/16	SF-22T SF-23T	2-16T 2-17T	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 9/16 65.1	3 23/32 94.5	11/16 17.5	3 5/16 84.1	1/2	4.4 2.00
1 1/2	SF-24T	2-18T	7340 32648	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 5/64 52.8	2 50.8	2 11/16 68.3	4 1/8 104.8	3/4 19.1	3 1/2 88.9	1/2	5.8 2.63
1 5/8	SF-26T	2-110T	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	2 13/16 71.4	4 21/64 109.9	3/4 19.1	3 7/8 98.4	9/16	6.0 2.72
1 11/16 1 3/4	SF-27T SF-28T	2-111T 2-112T	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	2 15/16 74.6	4 21/64 109.9	3/4 19.1	3 7/8 98.4	9/16	6.0 2.72
1 15/16 2	SF-31T SF-32RT	2-115T 1-2T	7889 35090	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	4 33/64 114.7	3/4 19.1	4 101.6	9/16	7.0 3.18
2	SF-32T	2-2T	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 1/2 88.9	5 3/16 131.8	7/8 22.2	4 1/4 108.0	5/8	11.1 5.03
2 1/8 2 3/16	SF-34T SF-35T	2-22T 2-23T	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 5/8 92.1	5 3/16 131.8	7/8 22.2	4 1/4 108.0	5/8	11.1 5.03
2 1/4	SF-36T	2-24T	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 3/4 69.9	2 5/8 66.7	4 1/16 103.2	5 7/16 138.1	1 25.4	5 127.0	5/8	13.0 5.90
2 3/8 2 7/16	SF-38T SF-39T	2-26T 2-27T	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 3/4 69.9	2 5/8 66.7	4 1/8 104.8	5 7/16 138.1	1 25.4	5 127.0	5/8	13.0 5.90

SF-T Series Standard Four Bolt Flange - SKWEZLOC Locking Collar - Metric -SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. kg/lb
				A	B*	D	G	H	J	L	M	N	T Core		
20	SF-204TMC	5204TMC	11614 2611	85.7 3 3/8	63.5 2 1/2	23.4 59/64	11.1 7/16	34.1 1 11/32	32.5 1 9/32	44.5 1 3/4	59.5 2 11/32	12.7 1/2	50.8 2	M10	.73 1.6
25	SF-205TMC	5205TMC	12459 2801	95.3 3 3/4	69.9 2 3/4	26.2 1 1/32	13.5 17/32	38.1 1 1/2	36.5 1 7/16	49.2 1 15/16	69.1 2 23/32	14.3 9/16	60.3 2 3/8	M10	1.04 2.3
30	SF-206TMC	5206TMC	19487 4381	108.0 4 1/4	82.6 3 1/4	29.8 1 11/64	13.5 17/32	41.3 1 5/8	39.7 1 9/16	55.6 2 3/16	81.8 3 7/32	15.9 5/8	73.0 2 7/8	M12	1.72 3.8
35	SF-207TMC	5207TMC	25718 5782	117.5 4 5/8	92.1 3 5/8	34.1 1 11/32	14.3 9/16	46.0 1 13/16	44.5 1 3/4	65.1 2 9/16	94.5 3 23/32	17.5 11/16	3 5/16 84.1	M14	2.00 4.4
40	SF-208TMC	5208TMC	32648 7340	130.2 5 1/8	101.6 4	38.1 1 1/2	14.3 9/16	52.8 2 5/64	50.8 2	68.3 2 11/16	4 5/64 103.6	19.1 3/4	3 1/2 88.9	M14	2.63 5.8
45	SF-209TMC	5209TMC	35144 7901	136.5 5 3/8	104.8 4 1/8	39.7 1 9/16	14.3 9/16	53.6 2 7/64	50.8 2	74.6 2 15/16	109.9 4 21/64	19.1 3/4	98.4 3 7/8	M14	2.72 6.0
50	SF-210TMC	5210TMC	35090 7889	142.9 5 5/8	111.1 4 3/8	39.7 1 9/16	14.3 9/16	56.4 2 7/32	53.2 2 3/32	85.7 3 3/8	114.7 4 33/64	19.1 3/4	101.6 4	M16	3.18 7.0
55	SF-211TMC	5211TMC	43377 9752	161.9 6 3/8	130.2 5 1/8	44.5 1 3/4	20.6 13/16	60.3 2 3/8	57.2 2 1/4	92.1 3 5/8	131.8 5 3/16	22.2 7/8	108.0 4 1/4	M16	5.03 11.1
60	SF-212TMC	5212TMC	52437 11789	174.6 6 7/8	142.9 5 5/8	49.2 1 15/16	20.6 13/16	69.9 2 3/4	2 5/8 66.7	104.8 4 1/8	138.1 5 7/16	25.4 1	127.0 5	M16	5.90 13.0

For standard duty SKWEZLOC Locking Collar Bearing Inserts see page G-93. For Replacement Lock Collar see page G-98.
*To obtain bolt circle, multiply B x 1.414".

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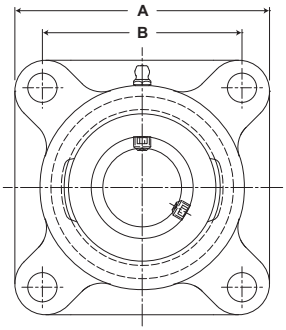
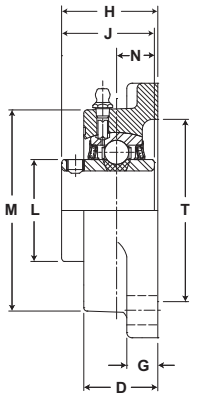
SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





MSF Series Medium Duty Four-Bolt Flange Units - Setscrew Locking

Bore Diameter inch	Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B*	D	G	H	J	N	L	M	T Core	Bolt Size	Unit Wt. lb/kg
15/16 1	 25	MSF-15 MSF-16 MSF-305	3-015 3-1 5305	4381 19487	4 1/4 108.0	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 9/16 39.7	1 1/2 38.1	5/8 15.9	1 19/32 40.5	3 7/32 81.8	2 7/8 73.0	7/16	3.6 1.63
1 3/16 1 1/4	 30	MSF-19 MSF-20 MSF-306	3-13 2-14 5306	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 3/4 44.5	1 11/16 42.9	11/16 17.5	1 55/64 47.2	3 23/32 94.5	3 5/16 84.1	1/2	4.1 1.86
1 7/16	 35	MSF-23 MSF-307	3-17 5307	7340 32648	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 1/64 51.2	1 15/16 49.2	3/4 19.1	2 1/16 52.4	4 5/64 103.6	3 1/2 88.9	1/2	5.5 2.49
1 1/2	 40	MSF-24 MSF-308	3-18 5308	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	3/4 19.1	2 19/64 58.3	4 21/64 109.9	3 7/8 98.4	9/16	6.0 2.72
1 11/16 1 3/4	 45	MSF-27 MSF-28 MSF-309	3-111 3-112 5309	7889 35090	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	3/4 19.1	2 15/32 62.7	4 33/64 114.7	4 101.6	9/16	6.8 3.08
1 15/16 2	 50	MSF-31 MSF-32 MSF-310	3-115 2-2 5310	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	7/8 22.2	2 23/32 69.1	5 3/16 131.8	4 1/4 108.0	5/8	10.5 4.76
2 3/16 2 1/4	 55	MSF-35 MSF-36 MSF-311	3-23 2-24 5311	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 11/16 68.3	2 9/16 65.1	1 25.4	2 63/64 75.8	5 7/16 138.1	5 127.0	5/8	12.1 5.49
2 7/16 2 1/2	 65	MSF-39 MSF-40 MSF-313	3-27 3-28 5313	13971 62143	7 3/8 187.3	5 7/8 149.2	2 5/16 58.7	11/16 17.5	3 76.2	2 3/4 69.9	1 1/16 27.0	3 7/16 87.3	6 1/8 155.6	5 10/77 130.3	5/8	16.4 7.44
2 11/16	 70	MSF-43 MSF-314	3-211 5314	14839 66004	7 3/4 196.9	6 152.4	2 3/8 60.3	1 25.4	3 3/16 81.0	3 1/16 77.8	1 5/16 33.3	3 41/64 92.5	6 1/2 165.1	5 22/25 149.4	3/4	20.6 9.34
2 15/16 3	 75	MSF-47 MSF-48 MSF-315	3-215 3-3 5315	17412 77449	7 3/4 196.9	6 152.4	2 11/16 68.3	7/8 22.2	3 1/2 88.9	3 1/4 82.6	1 5/16 33.3	3 59/64 99.6	6 3/4 171.5	5 14/25 141.2	3/4	21.4 9.71
3 3/16 3 1/4	 80	MSF-51 MSF-52 MSF-316	3-33 2-34 5316	18681 83093	8 7/16 214.3	6 3/4 171.5	2 3/4 69.9	1 25.4	3 17/32 89.7	3 3/8 85.7	1 11/32 34.1	4 5/32 105.6	7 1/4 184.2	6 152.4	3/4	26.7 12.11
3 7/16 3 1/2		MSF-55 MSF-56	3-37 3-38	21566 95926	8 7/16 214.3	6 3/4 171.5	3 76.2	1 25.4	3 31/32 100.8	3 25/32 96.0	1 9/16 39.7	4 25/64 111.5	7 3/4 196.9	6 22/71 160.3	7/8	30.0 13.61
3 15/16 4	 100	MSF-63 MSF-64 MSF-320	3-315 3-4 5320	29905 133017	10 9/16 268.3	8 5/16 211.1	3 13/16 96.8	1 1/4 31.8	5 127.0	4 5/8 117.5	1 15/16 49.2	5 11/64 131.4	9 1/4 235.0	7 11/25 189.0	1	55.1 24.99
4 7/16 4 15/16		MSFD-71 MSFD-79	3-47D 3-415D	37482 166720	12 3/4 323.9	10 254.0	4 3/4 120.7	1 9/16 39.7	6 152.4	5 3/4 146.1	2 7/8 73.0	6 11/32 161.1	11 1/2 292.1	9 1/2 241.3	1 1/4 32	115.0 52.16

Units MSFD-71 and MSFD-79 are equipped with four set screws: two on each end of inner race extensions.
Units MSFD-71 and MSFD-79 are not available with contact seal.
*To obtain bolt circle, multiply B x 1.414".
For Medium Duty Bearing Inserts-Single Lock see page G-95.
For Medium Duty Bearing Inserts-Double Lock see page G-97.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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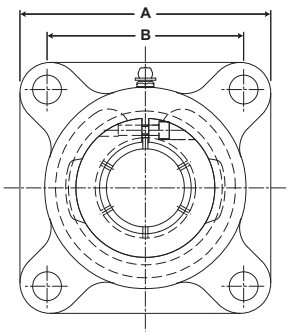
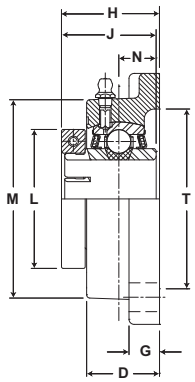
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





MSF-T Series Medium Duty Four-Bolt Flange Units - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	D	G	H	J	N	L	M	T Core		
1	MSF-16T	3-1T	4381 19487	4 1/4 108.0	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 5/8 41.3	1 9/16 39.7	5/8 15.9	2 1/16 52.4	3 7/32 81.8	2 7/8 73.0	7/16	3.8 1.72
1 3/16 1 1/4	MSF-19T MSF-20T	3-13T 2-14T	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	11/16 17.5	2 7/16 61.9	3 23/32 94.5	3 5/16 84.1	1/2	4.4 2.00
1 7/16	MSF-23T	3-17T	7340 32648	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 5/64 52.8	2 50.8	3/4 19.1	2 11/16 68.3	4 1/8 104.8	3 1/2 88.9	1/2	5.8 2.63
1 1/2	MSF-24T	3-18T	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	3/4 19.1	2 13/16 71.4	4 21/64 109.9	3 7/8 98.4	9/16	6.3 2.86
1 11/16 1 3/4	MSF-27T MSF-28T	3-111T 3-112T	7889 35090	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 7/32 56.4	2 3/32 53.2	3/4 19.1	3 1/4 82.6	4 33/64 114.7	4 101.6	9/16	7.4 3.36
1 15/16 2	MSF-31T MSF-32T	3-115T 2-2T	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	7/8 22.2	3 1/2 88.9	5 3/16 131.8	4 1/4 108.0	5/8	11.1 5.03
2 3/16 2 1/4	MSF-35T MSF-36T	3-23T 2-24T	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 3/4 69.9	2 5/8 66.7	1 25.4	4 1/16 103.2	5 7/16 138.1	5 127.0	5/8	13.3 6.03

For Medium Duty SKWEZLOC Locking Collar Bearing Inserts see page G-96. For Replacement Lock Collar see page G-98.
*To obtain bolt circle, multiply B x 1.414".

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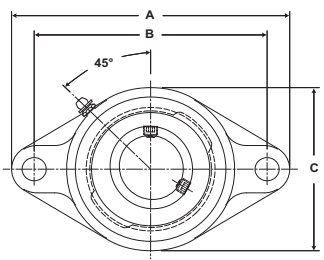
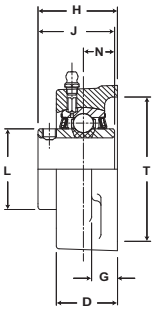
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





SFT Series Standard Duty Two-Bolt Flange Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
inch	mm				A	B	C	D	G	H	J	N	L	T Core		
1/2		SFT-8	2-08													
9/16		SFT-9	2-09	2611	3 7/8	3	2 5/16	59/64	7/16	1 9/32	1 7/32	1/2	1 3/16	2	3/8	1.2
5/8		SFT-10	2-010	11614	98.4	76.2	58.7	23.4	11.1	32.5	31.0	12.7	30.2	50.8		.54
11/16		SFT-11	2-011													
3/4		SFT-12	2-012	2611	4 13/32	3 17/32	2 3/8	59/64	7/16	1 9/32	1 7/32	1/2	1 3/16	2	3/8	1.2
	20	SFT-204	5204	11614	111.9	89.7	60.3	23.4	11.1	32.5	31.0	12.7	30.2	50.8		.54
13/16		SFT-13	2-013													
7/8		SFT-14	2-014													
15/16		SFT-15	2-015	2801	4 7/8	3 57/64	2 3/4	1 1/32	17/32	1 7/16	1 3/8	9/16	1 3/8	2 3/8	7/16	1.6
1		SFT-16	2-1	12459	123.8	98.8	69.9	26.2	13.5	36.5	34.9	14.3	34.9	60.3		.73
	25	SFT-205	5205													
1 1/16		SFT-17	2-11													
1 1/8		SFT-18	2-12													
1 3/16		SFT-19	2-13	4381	5 9/16	4 19/32	3 1/4	1 11/64	17/32	1 9/16	1 1/2	5/8	1 19/32	2 7/8	7/16	2.2
1 1/4		SFT-20R	1-14	19487	141.3	116.7	82.6	29.8	13.5	39.7	38.1	15.9	40.5	73.0		1.00
	30	SFT-206	5206													
1 1/4		SFT-20	2-14													
1 5/16		SFT-21	2-15													
1 3/8		SFT-22	2-16	5782	6 1/8	5 1/8	3 3/4	1 11/32	9/16	1 3/4	1 11/16	11/16	1 55/64	3 5/16	1/2	3.2
1 7/16		SFT-23	2-17	25718	155.6	130.2	95.3	34.1	14.3	44.5	42.9	17.5	47.2	84.1		1.45
	35	SFT-207	5207													
1 1/2		SFT-24	2-18													
1 9/16		SFT-25	2-19	7340	6 3/4	5 21/32	4 1/8	1 1/2	9/16	2 1/64	1 15/16	3/4	2 1/16	3 1/2	1/2	4.5
	40	SFT-208	5208	32648	171.5	143.7	104.8	38.1	14.3	51.2	49.2	19.1	52.4	88.9		2.04
1 5/8		SFT-26	2-110													
1 11/16		SFT-27	2-111	7901	7 1/16	5 27/32	4 3/8	1 9/16	9/16	2 3/64	1 15/16	3/4	2 19/64	3 7/8	9/16	5
1 3/4		SFT-28	2-112	35144	179.4	148.4	111.1	39.7	14.3	52.0	49.2	19.1	58.3	98.4		2.27
	45	SFT-209	5209													
1 13/16		SFT-29	2-113													
1 7/8		SFT-30	2-114													
1 15/16		SFT-31	2-115	7889	7 7/16	6 3/16	4 9/16	1 9/16	9/16	2 5/32	2 1/32	3/4	2 15/32	4	9/16	5.4
2		SFT-32R	1-2	35090	188.9	157.2	115.9	39.7	14.3	54.8	51.6	19.1	62.7	101.6		2.45
	50	SFT-210	5210													
2		SFT-32	2-2													
2 1/8		SFT-34	2-22	9752	8 1/2	7 1/4	5 1/4	1 3/4	13/16	2 5/16	2 3/16	7/8	2 23/32	4 1/4	5/8	8.4
2 3/16		SFT-35	2-23	43377	215.9	184.2	133.4	44.5	20.6	58.7	55.6	22.2	69.1	108.0		3.81
	55	SFT-211	5211													

For Standard Duty Bearing Inserts-Single Lock see page G-92.

Metric dimensions for reference only.

Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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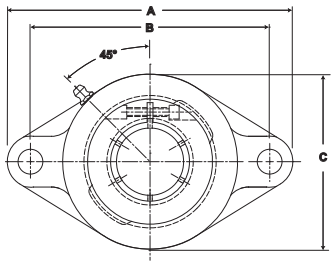
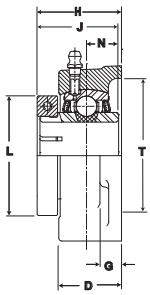
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





SFT-T Series Standard Duty Two Bolt Flange - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Core		
3/4	SFT-12T	2-012T	2611 11614	4 13/32 111.9	3 17/32 89.7	2 3/8 60.3	59/64 23.4	7/16 11.1	1 11/32 34.1	1 9/32 32.5	1 3/4 44.5	1/2 12.7	2 50.8	3/8	1.3 .59
15/16 1	SFT-15T SFT-16T	2-015T 2-1T	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 1/2 38.1	1 7/16 36.5	1 15/16 49.2	9/16 14.3	2 3/8 60.3	7/16	1.8 .82
1 1/8 1 3/16 1 1/4	SFT-18T SFT-19T SFT-20RT	2-12T 2-13T 1-14T	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 3/16 55.6	5/8 15.9	2 7/8 73.0	7/16	2.4 1.09
1 1/4	SFT-20T	2-14T	5782 25718	6 1/8 155.6	5 1/8 130.2	3 3/4 95.3	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	11/16 17.5	3 5/16 84.1	1/2	3.5 1.59
1 3/8 1 7/16	SFT-22T SFT-23T	2-16T 2-17T	5782 25718	6 1/8 155.6	5 1/8 130.2	3 3/4 95.3	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 9/16 65.1	11/16 17.5	3 5/16 84.1	1/2	3.5 1.59
1 1/2	SFT-24T	2-18T	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 1/2 38.1	9/16 14.3	2 5/64 52.8	2 50.8	2 11/16 68.3	3/4 19.1	3 1/2 88.9	1/2	4.8 2.18
1 5/8	SFT-26T	2-110T	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	2 13/16 71.4	3/4 19.1	3 7/8 98.4	9/16	5.3 2.40
1 11/16 1 3/4	SFT-27T SFT-28T	2-111T 2-112T	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	2 15/16 74.6	3/4 19.1	3 7/8 98.4	9/16	5.3 2.40
1 15/16 2	SFT-31T SFT-32RT	2-115T 1-2T	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 9/16 39.7	9/16 14.3	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	3/4 19.1	4 101.6	9/16	6 2.72
2	SFT-32T	2-2T	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 1/2 88.9	7/8 22.2	4 1/4 108.0	5/8	9 4.08
2 1/8 2 3/16	SFT-34T SFT-35T	2-22T 2-23T	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 5/8 92.1	7/8 22.2	4 1/4 108.0	5/8	9 4.08

SFT-T Series Standard Two Bolt Flange - SKWEZLOC Locking Collar - Metric -SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. kg/lb
				A	B	C	D	G	H	J	L	N	T Core		
20	SFT-204TMC	5204TMC	11614 2611	111.9 4 13/32	89.7 3 17/32	60.3 2 3/8	23.4 59/64	11.1 7/16	34.1 1 11/32	32.5 1 9/32	44.5 1 3/4	12.7 1/2	50.8 2	M10	.59 1.3
25	SFT-205TMC	5205TMC	12459 2801	123.8 4 7/8	98.8 3 57/64	69.9 2 3/4	26.2 1 1/32	13.5 17/32	38.1 1 1/2	36.5 1 7/16	49.2 1 15/16	14.3 9/16	60.3 2 3/8	M10	.82 1.8
30	SFT-206TMC	5206TMC	19487 4381	141.3 5 9/16	116.7 4 19/32	82.6 3 1/4	29.8 1 11/64	13.5 17/32	41.3 1 5/8	39.7 1 9/16	55.6 2 3/16	15.9 5/8	73.0 2 7/8	M12	1.09 2.4
35	SFT-207TMC	5207TMC	25718 5782	155.6 6 1/8	130.2 5 1/8	95.3 3 3/4	34.1 1 11/32	14.3 9/16	46.0 1 13/16	44.5 1 3/4	65.1 2 9/16	17.5 11/16	84.1 3 5/16	M14	1.59 3.5
40	SFT-208TMC	5208TMC	32648 7340	171.5 6 3/4	143.7 5 21/32	104.8 4 1/8	38.1 1 1/2	14.3 9/16	52.8 2 5/64	50.8 2	68.3 2 11/16	19.1 3/4	88.9 3 1/2	M14	2.18 4.8
45	SFT-209TMC	5209TMC	35144 7901	179.4 7 1/16	148.4 5 27/32	111.1 4 3/8	39.7 1 9/16	14.3 9/16	53.6 2 7/64	50.8 2	74.6 2 15/16	19.1 3/4	98.4 3 7/8	M14	2.40 5.3
50	SFT-210TMC	5210TMC	35090 7889	188.9 7 7/16	157.2 6 3/16	115.9 4 9/16	39.7 1 9/16	14.3 9/16	56.4 2 7/32	53.2 2 3/32	85.7 3 3/8	19.1 3/4	101.6 4	M16	2.72 6
55	SFT-211TMC	5211TMC	43377 9752	215.9 8 1/2	184.2 7 1/4	133.4 5 1/4	44.5 1 3/4	20.6 13/16	60.3 2 3/8	57.2 2 1/4	92.1 3 5/8	22.2 7/8	108.0 4 1/4	M16	4.08 9

For Medium Duty SKWEZLOC Locking Collar Bearing Inserts see page G-93. For Replacement Lock Collar see page G-98.

Bearing Selection Page G-3 | Nomenclature Aid Page G-18 | Features & Benefits Page G-21 | Product Options Page G-23 | Technical Engineering Page G-220

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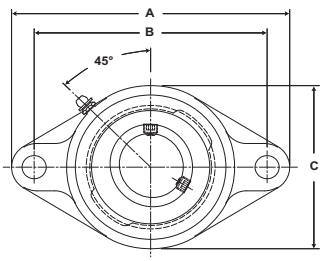
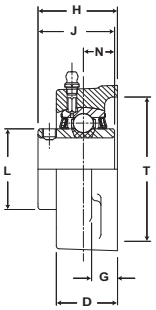
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® *Performance Mounted Ball Bearings*

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





MSFT Series Medium Duty Two-Bolt Flange Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
inch	mm				A	B	C	D	G	H	J	N	L	T Core		
15/16		MSFT-15	3-015	4381	5 9/16	4 19/32	3 1/4	1 11/64	17/32	1 9/16	1 1/2	5/8	1 19/32	2 7/8	7/16	2.4
1		MSFT-16	3-1	19487	141.3	116.7	82.6	29.8	13.5	39.7	38.1	15.9	40.5	73.0		1.09
	25	MSFT-305	5305													
1 3/16		MSFT-19	3-13													
1 1/4		MSFT-20	2-14	5782	6 1/8	5 1/8	3 3/4	1 11/32	9/16	1 3/4	1 11/16	11/16	1 55/64	3 5/16	1/2	3.4
	30	MSFT-306	5306	25718	155.6	130.2	95.3	34.1	14.3	44.5	42.9	17.5	47.2	84.1		1.54
1 7/16		MSFT-23	3-17	7340	6 3/4	5 21/32	4 1/8	1 1/2	9/16	2 1/64	1 15/16	3/4	2 1/16	3 1/2	1/2	4.6
		MSFT-307	5307	32648	171.5	143.7	104.8	38.1	14.3	51.2	49.2	19.1	52.4	88.9		2.09
1 1/2		MSFT-24	3-18	7901	7 1/16	5 27/32	4 3/8	1 9/16	9/16	2 3/64	1 15/16	3/4	2 19/64	3 7/8	9/16	5.2
		MSFT-308	5308	35144	179.4	148.4	111.1	39.7	14.3	52.0	49.2	19.1	58.3	98.4		2.36
1 11/16		MSFT-27	3-111													
1 3/4		MSFT-28	3-112	7889	7 7/16	6 3/16	4 9/16	1 9/16	9/16	2 5/32	2 1/32	3/4	2 15/32	4	9/16	5.6
	45	MSFT-309	5309	35090	188.9	157.2	115.9	39.7	14.3	54.8	51.6	19.1	62.7	101.6		2.54
1 15/16		MSFT-31	3-115													
2		MSFT-32	2-2	9752	8 1/2	7 1/4	5 1/4	1 3/4	13/16	2 5/16	2 3/16	7/8	2 23/32	4 1/4	5/8	8.6
	50	MSFT-310	5310	43377	215.9	184.2	133.4	44.5	20.6	58.7	55.6	22.2	69.1	108.0		3.90

For Medium Duty Bearing Inserts-Single Lock see page G-95.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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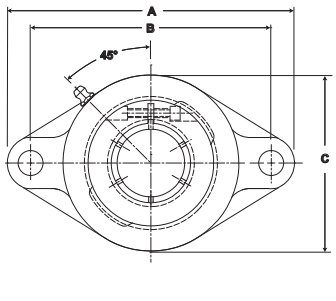
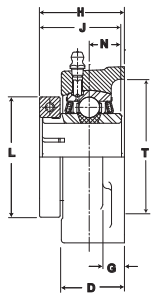
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





MSFT-T Series Medium Duty Two-Bolt Flange Units - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	N	L	T Core		
1	MSFT-16T	3-1T	4381	5 9/16	4 19/32	3 1/4	1 11/64	17/32	1 5/8	1 9/16	5/8	2 1/16	2 7/8	7/16	2.6
			19487	141.3	116.7	82.6	29.8	13.5	41.3	39.7	15.9	52.4	73.0		1.18
1 3/16	MSFT-19T	3-13T	5782	6 1/8	5 1/8	3 3/4	1 11/32	9/16	1 13/16	1 3/4	11/16	2 7/16	3 5/16	1/2	3.7
1 1/4	MSFT-20T	2-14T	25718	155.6	130.2	95.3	34.1	14.3	46.0	44.5	17.5	61.9	84.1		1.68
1 7/16	MSFT-23T	3-17T	7340	6 3/4	5 21/32	4 1/8	1 1/2	9/16	2 5/64	2	3/4	2 11/16	3 1/2	1/2	4.9
			32648	171.5	143.7	104.8	38.1	14.3	52.8	50.8	19.1	68.3	88.9		2.22
1 1/2	MSFT-24T	3-18T	7901	7 1/16	5 27/32	4 3/8	1 9/16	9/16	2 7/64	2	3/4	2 13/16	3 7/8	9/16	5.5
			35144	179.4	148.4	111.1	39.7	14.3	53.6	50.8	19.1	71.4	98.4		2.49
1 11/16	MSFT-27T	3-111T	7889	7 7/16	6 3/16	4 9/16	1 9/16	9/16	2 7/32	2 3/32	3/4	3 1/4	4	9/16	6.2
1 3/4	MSFT-28T	3-112T	35090	188.9	157.2	115.9	39.7	14.3	56.4	53.2	19.1	82.6	101.6		2.81
1 15/16	MSFT-31T	3-115T	9752	8 1/2	7 1/4	5 1/4	1 3/4	13/16	2 3/8	2 1/4	7/8	3 1/2	4 1/4	5/8	9.2
2	MSFT-32T	2-2T	43377	215.9	184.2	133.4	44.5	20.6	60.3	57.2	22.2	88.9	108.0		4.17

For Medium Duty SKWEZLOC Locking Collar Bearing Inserts see page G-96. For Replacement Lock Collar see page G-98.

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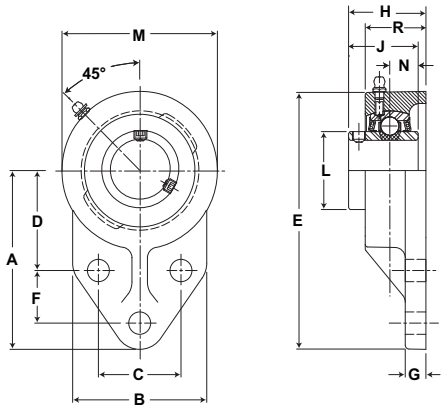
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® *Performance Mounted Ball Bearings*

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Flange Bracket
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



FB Series Standard Duty Three Bolt Single Lock Flange Brackets - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm													Bolt Size	Unit Wt. lb/kg
inch	mm				A	B	C	D	E	F	G	H	J	L	M	N	R		
1/2		FB-8	2-08	2611 11614	3 76.2	2 3/8 60.3	1 1/2 38.1	1 11/16 42.9	4 3/16 106.4	7/8 22.2	5/16 7.9	1 11/32 34.1	1 7/32 31.0	1 3/16 30.2	2 3/8 60.3	1/2 12.7	1 25.4	3/8	1.3 0.59
9/16		FB-9	2-09																
5/8		FB-10	2-010																
11/16		FB-11	2-011																
3/4		FB-12	2-012																
	20	FB-204	5204																
13/16		FB-13	2-013	2801 12459	3 3/8 85.7	2 1/2 63.5	1 5/8 41.3	1 13/16 46.0	4 3/4 120.7	1 1/8 28.6	3/8 9.5	1 1/2 38.1	1 3/8 34.9	1 3/8 34.9	2 3/4 69.9	9/16 14.3	1 3/32 27.8	3/8	2.1 0.95
7/8		FB-14	2-014																
15/16		FB-15	2-015																
1		FB-16	2-1																
	25	FB-205	5205																
1 1/16		FB-17	2-11	4381 19487	3 3/4 95.3	2 3/4 69.9	1 7/8 47.6	2 1/16 52.4	5 23/64 136.1	1 1/4 31.8	3/8 9.5	1 5/8 41.3	1 1/2 38.1	1 19/32 40.5	3 7/32 81.8	5/8 15.9	1 15/64 31.4	3/8	3.0 1.36
1 1/8		FB-18	2-12																
1 3/16		FB-19	2-13																
1 1/4		FB-20R	1-14																
	30	FB-206	5206																
1 1/4		FB-20	2-14	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 7/8 47.6	1 11/16 42.9	1 55/64 47.2	3 3/4 95.3	11/16 17.5	1 15/32 37.3	1/2	3.1 1.41
1 5/16		FB-21	2-15																
1 3/8		FB-22	2-16																
1 7/16		FB-23	2-17																
	35	FB-207	5207																
1 7/8		FB-30	2-114	7889 35090	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 15/32 189.7	1 5/8 41.3	1/2 12.7	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	4 9/16 115.9	3/4 19.1	1 35/64 39.3	1/2	5.1 2.31
1 15/16		FB-31	2-115																
2		FB-32R	1-2																
	50	FB-210	5210																

For Standard Duty Bearing Inserts-Single Lock see page G-92.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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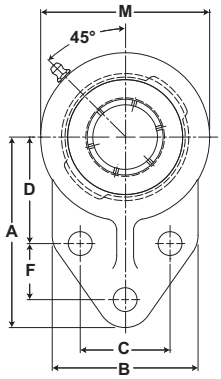
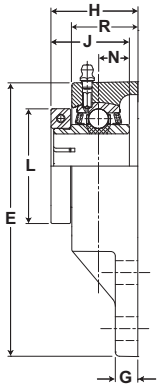
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Flange Bracket
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





FB-T Series Standard Duty Flange Bracket - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm													Bolt Size	Unit Wt. lb/kg
				A	B	C	D	E	F	G	H	J	L	M	N	R		
3/4	FB-12T	2-012T	2611 11614	3 76.2	2 3/8 60.3	1 1/2 38.1	1 11/16 42.9	4 3/16 106.4	7/8 22.2	5/16 7.9	1 13/32 35.7	1 9/32 32.5	1 3/4 44.5	2 3/8 60.3	1/2 12.7	1 25.4	3/8	1.4 0.64
15/16 1	FB-15T FB-16T	2-015T 2-1T	2801 12459	3 3/8 85.7	2 1/2 63.5	1 5/8 41.3	1 13/16 46.0	4 3/4 120.7	1 1/8 28.6	3/8 9.5	1 9/16 39.7	1 7/16 36.5	1 15/16 49.2	2 3/4 69.9	9/16 14.3	1 1/8 27.8	3/8	2.3 1.04
1 1/8 1 3/16 1 1/4	FB-18T FB-19T FB-20RT	2-12T 2-13T 1-14T	4381 19487	3 3/4 95.3	2 3/4 69.9	1 7/8 47.6	2 1/16 52.4	5 23/64 136.1	1 1/4 31.8	3/8 9.5	1 11/16 42.9	1 9/16 39.7	2 3/16 55.6	3 7/32 81.8	5/8 15.9	1 1/4 31.8	3/8	3.2 1.45
1 1/4	FB-20T	2-14T	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 15/16 49.2	1 3/4 44.5	2 7/16 61.9	3 3/4 95.3	11/16 17.5	1 7/16 36.5	1/2	3.4 1.54
1 3/8 1 7/16	FB-22T FB-23T	2-16T 2-17T	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 15/16 49.2	1 3/4 44.5	2 9/16 65.1	3 3/4 95.3	11/16 17.5	1 1/2 37.3	1/2	3.4 1.54
1 15/16 2	FB-31T FB-32RT	2-115T 1-2T	7889 35090	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 15/32 189.7	1 5/8 41.3	1/2 12.7	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	4 9/16 115.9	3/4 19.1	1 35/64 39.3	1/2	5.7 2.59

FB-T Series Standard Flange Bracket - SKWEZLOC Locking Collar - Metric -SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch													Bolt Size	Unit Wt. kg/lb
				A	B	C	D	E	F	G	H	J	L	M	N	R		
20	FB-204TMC	5204TMC	11614 2611	76.2 3	60.3 2 3/8	32.1 1 17/64	42.1 1 21/32	106.4 4 3/16	27.0 1 1/16	7.9 5/16	35.7 1 13/32	32.5 1 9/32	44.5 1 3/4	60.3 2 3/8	12.7 1/2	25.4 1	M8	.64 1.4
25	FB-205TMC	5205TMC	12459 2801	85.7 3 3/8	63.5 2 1/2	34.1 1 11/32	44.8 1 49/64	120.7 4 3/4	27.0 1 1/16	9.5 3/8	39.7 1 9/16	36.5 1 7/16	49.2 1 15/16	69.9 2 3/4	14.3 9/16	27.8 1 1/8	M8	1.04 2.3
30	FB-206TMC	5206TMC	19487 4381	95.3 3 3/4	69.9 2 3/4	40.1 1 37/64	50 1 31/32	136.1 5 23/64	29.0 1 9/64	9.5 3/8	42.9 1 11/16	39.7 1 9/16	55.6 2 3/16	81.8 3 7/32	15.9 5/8	31.8 1 1/4	M8	1.45 3.2
35	FB-207TMC	5207TMC	25718 5782	108.0 4 1/4	82.6 3 1/4	46.0 1 13/16	55.2 2 11/64	155.6 6 1/8	32.1 1 17/64	12.7 1/2	49.2 1 15/16	44.5 1 3/4	65.1 2 9/16	95.3 3 3/4	17.5 11/16	37.3 1 1/2	M8	1.54 3.4
50	FB-210TMC	5210TMC	35090 7889	131.8 5 3/16	101.6 4	57.9 2 9/32	67.9 2 43/64	189.7 7 15/32	46.0 1 13/16	12.7 1/2	56.4 2 7/32	53.2 2 3/32	85.7 3 3/8	115.9 4 9/16	19.1 3/4	39.3 1 35/64	M10	2.59 5.7

For Medium Duty SKWEZLOC Locking Collar Bearing Inserts see page G-93. For Replacement Lock Collar see page G-98.

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Piloted Flange Cartridge

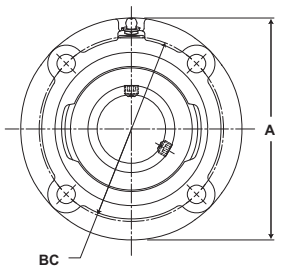
Self Alignment: +/- 2 Degrees

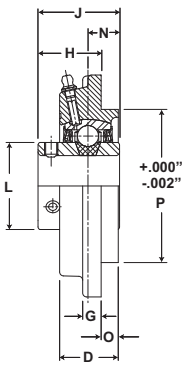
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F





SFC Series Standard Duty Flange Cartridge Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
inch	mm				A	BC	D	G	H	J	L	N	O	P*		
1 1/8		SFC-18	2-12													
1 3/16		SFC-19	2-13	4381	4 3/8	3 5/8	1 11/64	3/8	1 5/16	1 9/16	1 19/32	5/8	1/4	3.000	5/16	3.0
1 1/4		SFC-20R	1-14	19487	111.1	92.1	29.8	9.5	33.3	39.7	40.5	15.9	6.4	76.20		1.36
	30	SFC-206	5206													
1 1/4		SFC-20	2-14													
1 5/16		SFC-21	2-15													
1 3/8		SFC-22	2-16	5782	5	4 1/8	1 9/32	3/8	1 5/16	1 11/16	1 55/64	11/16	3/8	3.375	3/8	3.9
1 7/16		SEF-23	2-17	25718	127.0	104.8	32.5	9.5	33.3	42.9	47.2	17.5	9.5	85.73		1.77
	35	SFC-207	5207													
1 1/2		SFC-24	2-18													
1 9/16		SFC-25	2-19	7340	5 1/4	4 3/8	1 25/64	7/16	1 1/2	1 15/16	2 1/16	3/4	7/16	3.625	3/8	4.7
	40	SFC-208	5208	32648	133.4	111.1	35.3	11.1	38.1	49.2	52.4	19.1	11.1	92.08		2.13
1 5/8		SFC-26	2-110													
1 11/16		SFC-27	2-111	7901	6 1/8	5 1/8	1 27/64	7/16	1 1/2	1 15/16	2 19/64	3/4	7/16	4.250	7/16	6.0
1 3/4		SFC-28	2-112	35144	155.6	130.2	36.1	11.1	38.1	49.2	58.3	19.1	11.1	107.95		2.72
	45	SFC-209	5209													
1 7/8		SFC-30	2-114													
1 15/16		SFC-31	2-115	7889	6 1/8	5 1/8	1 25/64	7/16	1 9/16	2 1/32	2 15/32	3/4	15/32	4.250	7/16	6.5
2		SFC-32R	1-2	35090	155.6	130.2	35.3	11.1	39.7	51.6	62.7	19.1	11.9	107.95		2.95
	50	SFC-210	5210													
2		SFC-32	2-2													
2 1/8		SFC-34	2-22	9752	6 3/8	5 3/8	1 19/32	7/16	1 9/16	2 3/16	2 23/32	7/8	5/8	4.500	7/16	7.5
2 3/16		SFC-35	2-23	43377	161.9	136.5	40.5	11.1	39.7	55.6	69.1	22.2	15.9	114.30		3.40
	55	SFC-211	5211													
2 1/4		SFC-36	2-24													
2 3/8		SFC-38	2-26	11789	7 1/8	6	1 25/32	1/2	1 11/16	2 9/16	2 63/64	1	7/8	5.000	1/2	10.5
2 7/16		SFC-39	2-27	52437	181.0	152.4	45.2	12.7	42.9	65.1	75.8	25.4	22.2	127.00		4.76
	60	SFC-212	5212													
2 11/16		SFC-43	2-211	13971	7 5/8	6 1/2	2 5/32	9/16	1 3/4	2 27/32	3 7/16	1 5/32	1 3/32	5.500	1/2	14.5
	70	SFC-214	5214	62143	193.7	165.1	54.8	14.3	44.5	72.2	87.3	29.4	27.8	139.70		6.58
2 7/8		SFC-46	2-214													
2 15/16		SFC-47	2-215	14839	8 3/4	7 1/2	2 9/32	9/16	2	3 1/16	3 41/64	1 5/16	1 1/16	6.375	5/8	18.7
	75	SFC-215	5215	66004	222.3	190.5	57.9	14.3	50.8	77.8	92.5	33.3	27.0	161.93		8.48
3 3/16		SFC-51	2-33	17412	8 3/4	7 1/2	2 13/32	21/32	2	3 1/4	3 59/64	1 5/16	1 1/4	6.375	5/8	20.0
	80	SFC-216	5216	77449	222.3	190.5	61.1	16.7	50.8	82.6	99.6	33.3	31.8	161.93		9.07

For Standard Duty Bearing Inserts-Single Lock see page G-92.
*Recommended hole size for pilot +.002" / -.000".
Metric dimensions for reference only.

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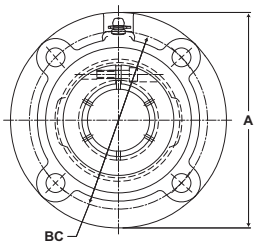
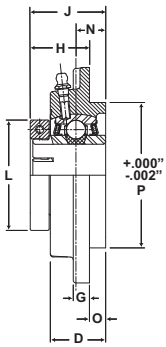
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Piloted Flange Cartridge
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





SFC-T Series Standard Duty Piloted Flange Cartridge- SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P		
1 1/8 1 3/16 1 1/4	SFC-18T SFC-19T SFC-20RT	2-12T 2-13T 1-14T	4381 19487	4 3/8 111.1	3 5/8 92.1	1 11/64 29.8	3/8 9.5	1 3/8 34.9	1 5/8 41.3	2 3/16 55.6	5/8 15.9	1/4 6.4	3.000 76.200	5/16	3.2 1.45
1 1/4	SFC-20T	2-14T	5782 25718	5 127.0	4 1/8 104.8	1 9/32 32.5	3/8 9.5	1 3/8 34.9	1 3/4 44.5	2 7/16 61.9	11/16 17.5	3/8 9.5	3.375 85.725	3/8	4.2 1.91
1 3/8 1 7/16	SFC-22T SFC-23T	2-16T 2-17T	5782 25718	5 127.0	4 1/8 104.8	1 9/32 32.5	3/8 9.5	1 3/8 34.9	1 3/4 44.5	2 9/16 65.1	11/16 17.5	3/8 9.5	3.375 85.725	3/8	4.2 1.91
1 1/2 1 9/16	SFC-24T SFC-25T	2-18T 2-19T	7340 32648	5 1/4 133.4	4 3/8 111.1	1 25/64 35.3	7/16 11.1	1 9/16 39.7	2 50.8	2 11/16 68.3	3/4 19.1	7/16 11.1	3.625 92.075	3/8	5.0 2.27
1 5/8	SFC-26T	2-110T	7901 35144	6 1/8 155.6	5 1/8 130.2	1 27/64 36.1	7/16 11.1	1 9/16 39.7	2 50.8	2 13/16 71.4	3/4 19.1	7/16 11.1	4.250 107.950	7/16	6.3 2.86
1 11/16 1 3/4	SFC-27T SFC-28T	2-111T 2-112T	7901 35144	6 1/8 155.6	5 1/8 130.2	1 27/64 36.1	7/16 11.1	1 9/16 39.7	2 50.8	2 15/16 74.6	3/4 19.1	7/16 11.1	4.250 107.950	7/16	6.3 2.86
1 15/16 2	SFC-31T SFC-32RT	2-115T 1-2T	7889 35090	6 1/8 155.6	5 1/8 130.2	1 25/64 35.3	7/16 11.1	1 5/8 41.3	2 3/32 53.2	3 3/8 85.7	3/4 19.1	15/32 11.9	4.250 107.950	7/16	7.1 3.22
2	SFC-32T	2-2T	9752 43377	6 3/8 161.9	5 3/8 136.5	1 19/32 40.5	7/16 11.1	1 5/8 41.3	2 1/4 57.2	3 1/2 88.9	7/8 22.2	5/8 15.9	4.500 114.300	7/16	8.1 3.67
2 1/8 2 3/16	SFC-34T SFC-35T	2-22T 2-23T	9752 43377	6 3/8 161.9	5 3/8 136.5	1 19/32 40.5	7/16 11.1	1 5/8 41.3	2 1/4 57.2	3 5/8 92.1	7/8 22.2	5/8 15.9	4.500 114.300	7/16	8.1 3.67
2 1/4	SFC-36T	2-24T	11789 52437	7 1/8 181.0	6 152.4	1 25/32 45.2	1/2 12.7	1 3/4 44.5	2 5/8 66.7	4 1/16 103.2	1 25.4	7/8 22.2	5.000 127.000	1/2	11.7 5.31
2 3/8 2 7/16	SFC-38T SFC-39T	2-26T 2-27T	11789 52437	7 1/8 181.0	6 152.4	1 25/32 45.2	1/2 12.7	1 3/4 44.5	2 5/8 66.7	4 1/8 104.8	1 25.4	7/8 22.2	5.000 127.000	1/2	11.7 5.31

SFC-T Series Standard Piloted Flange Cartridge - SKWEZLOC Locking Collar - Metric -SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. kg/lb
				A	BC	D	G	H	J	L	N	O	P		
30	SFC-206TMC	5206TMC	19487 4381	111.1 4 3/8	92.1 3 5/8	29.8 1 11/64	9.5 3/8	34.9 1 3/8	41.3 1 5/8	55.6 2 3/16	15.9 .63	6.4 1/4	76.200 3.000	M10	1.45 3.2
35	SFC-207TMC	5207TMC	25718 5782	127.0 5	104.8 4 1/8	32.5 1 9/32	9.5 3/8	34.9 1 3/8	44.5 1 3/4	65.1 2 9/16	17.5 1 1/16	9.5 3/8	85.725 3.375	M12	1.91 4.2
40	SFC-208TMC	5208TMC	32648 7340	133.4 5 1/4	111.1 4 3/8	35.3 1 25/64	11.1 7/16	39.7 1 9/16	50.8 2	68.3 2 11/16	19.1 3/4	11.1 7/16	92.075 3.625	M12	2.27 5
45	SFC-209TMC	5209TMC	35144 7901	155.6 6 1/8	130.2 5 1/8	36.1 1 27/64	11.1 7/16	39.7 1 9/16	50.8 2	74.6 2 15/16	19.1 3/4	11.1 7/16	107.950 4.250	M14	2.86 6.3
50	SFC-210TMC	5210TMC	35090 7889	155.6 6 1/8	130.2 5 1/8	35.3 1 25/64	11.1 7/16	41.3 1 5/8	53.2 2 3/32	85.7 3 3/8	19.1 3/4	11.9 15/32	107.950 4.250	M14	3.22 7.1
55	SFC-211TMC	5211TMC	43377 9752	161.9 6 3/8	136.5 5 3/8	40.5 1 19/32	11.1 7/16	41.3 1 5/8	57.2 2 1/4	92.1 3 5/8	22.2 7/8	15.9 5/8	114.300 4.500	M14	3.67 8.1
60	SFC-212TMC	5212TMC	52437 11789	181.0 7 1/8	152.4 6	45.2 1 25/32	12.7 1/2	44.5 1 3/4	66.7 2 5/8	104.8 4 1/8	25.4 1	22.2 7/8	127.000 5.000	M16	5.31 11.7

For Medium Duty SKWEZLOC Locking Collar Bearing Inserts see page G-93. For Replacement Lock Collar see page G-98.

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Piloted Flange Cartridge

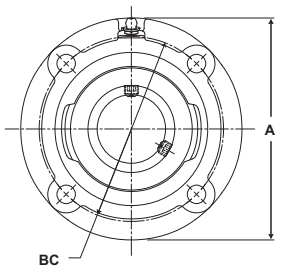
Self Alignment: +/- 2 Degrees

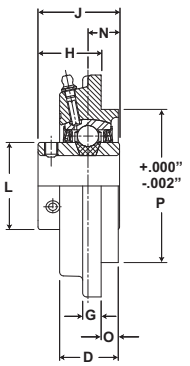
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F





MFC Series Medium Duty Flange Cartridge Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
inch	mm				A	BC	D	G	H	J	L	N	O	P*		
15/16		MFC-15	3-015	4381	4 3/8	3 5/8	1 11/64	3/8	1 5/16	1 9/16	1 19/32	5/8	1/4	3.000	5/16	3.0
1		MFC-16	3-1	19487	111.1	92.1	29.8	9.5	33.3	39.7	40.5	15.9	6.4	76.20		1.36
.984	25	MFC-305	5305													
1 3/16		MFC-19	3-13	5782	5	4 1/8	1 9/32	3/8	1 5/16	1 11/16	1 55/64	11/16	3/8	3.375	3/8	3.9
1 1/4		MFC-20	2-14	25718	127.0	104.8	32.5	9.5	33.3	42.9	47.2	17.5	9.5	85.73		1.77
1.181	30	MFC-306	5306													
1 7/16		MFC-23	3-17	7340	5 1/4	4 3/8	1 25/64	7/16	1 1/2	1 15/16	2 1/16	3/4	13/32	3.625	3/8	4.7
1.378	35	MFC-307	5307	32648	133.4	111.1	35.3	11.1	38.1	49.2	52.4	19.1	10.3	92.08		2.13
1 1/2		MFCH-24	3-18	7901	6 1/8	5 1/8	1 27/64	7/16	1 1/2	1 15/16	2 19/64	3/4	13/32	4.250	7/16	6
	40	MFC-308	5308	35144	155.6	130.2	36.1	11.1	38.1	49.2	58.3	19.1	10.3	107.95		2.72
1 11/16		MFC-27	3-111	7889	6 1/8	5 1/8	1 25/64	7/16	1 9/16	2 1/32	2 15/32	3/4	7/16	4.250	7/16	6.5
1 3/4		MFC-28	3-112	35090	155.6	130.2	35.3	11.1	39.7	51.6	62.7	19.1	11.1	107.95		2.95
	45	MFC-309	5309													
1 15/16		MFC-31	3-115	9752	6 3/8	5 3/8	1 19/32	7/16	1 9/16	2 3/16	2 23/32	7/8	19/32	4.500	7/16	7.5
2		MFC-32	2-2	43377	161.9	136.5	40.5	11.1	39.7	55.6	69.1	22.2	15.1	114.30		3.40
	50	MFC-310	5310													
2 3/16		MFC-35	3-23	11789	7 1/8	6	1 25/32	1/2	1 11/16	2 9/16	2 63/64	1	27/32	5.000	1/2	10.5
2 1/4		MFC-36	2-24	52437	181.0	152.4	45.2	12.7	42.9	65.1	75.8	25.4	21.4	127.00		4.76
	55	MFC-311	5311													
2 7/16		MFC-39	3-27	13971	7 5/8	6 1/2	2 5/32	9/16	1 3/4	2 7/8	3 7/16	1 1/16	1 3/32	5.500	1/2	14.0
2 1/2		MFC-40	3-28	62143	193.7	165.1	54.8	14.3	44.5	73.0	87.3	27.0	27.8	139.70		6.35
	65	MFC-313	5313													
2 11/16		MFC-43	3-211	14839	8 3/4	7 1/2	2 9/32	9/16	2	3 1/16	3 41/64	1 5/16	1 1/32	6.375	5/8	18.7
	70	MFC-314	5314	66004	222.3	190.5	57.9	14.3	50.8	77.8	92.5	33.3	26.2	161.93		8.48
2 15/16		MFC-47	3-215	17412	8 3/4	7 1/2	2 13/32	5/8	2	3 1/4	3 59/64	1 5/16	1 7/32	6.375	5/8	20.0
3		MFC-48	3-3	77449	222.3	190.5	61.1	15.9	50.8	82.6	99.6	33.3	31.0	161.93		9.07
	75	MFC-315	5315													
3 7/16		MFC-55	3-37	21566	10 1/4	8 5/8	2 23/32	3/4	2 21/32	3 25/32	4 25/64	1 9/16	1 3/32	7.375	3/4	32.0
3 1/2		MFC-56	2-38	95926	260.4	219.1	69.1	19.1	67.5	96.0	111.5	39.7	27.8	187.33		14.51
3 15/16		MFC-63	3-315	29905	10 7/8	9 3/8	3 7/32	7/8	3 1/2	4 5/8	5 11/64	1 15/16	1 3/32	8.125	3/4	44.0
4		MFC-64	3-4	133017	276.2	238.1	81.8	22.2	88.9	117.5	131.4	49.2	27.8	206.38		19.96
	100	MFC-320	5320													

For Medium Duty Bearing Inserts-Single Lock see page G-95.
*Recommended hole size for pilot 15/16 to 3 1/2 +.000" / -.002" and 3 15/16 to 4 +.000" / -.004".

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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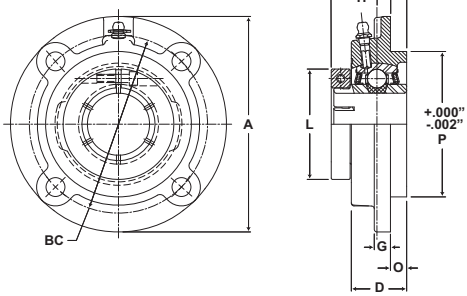
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Piloted Flange Cartridge
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



MFC-T Series Medium Duty Flange Cartridge Units - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P*		
1	MFC-16T	3-1T	4381 19487	4 3/8 111.1	3 5/8 92.1	1 3/16 30.2	3/8 9.5	1 3/8 34.9	1 5/8 41.3	2 1/16 52.4	5/8 15.9	1/4 6.4	3.000 76.20	5/16	3.2 1.45
1 3/16 1 1/4	MFC-19T MFC-20T	3-13T 2-14T	5782 25718	5 127.0	4 1/8 104.8	1 9/32 32.5	3/8 9.5	1 3/8 34.9	1 3/4 44.5	2 7/16 61.9	11/16 17.5	3/8 9.5	3.375 85.73	3/8	4.2 1.91
1 7/16 1 1/2	MFC-23T MFC-24T	3-17T 2-18T	7340 32648	5 1/4 133.4	4 3/8 111.1	1 25/64 35.3	7/16 11.1	1 9/16 39.7	2 50.8	2 11/16 68.3	3/4 19.1	7/16 11.1	3.625 92.08	3/8	5.2 2.36
1 1/2	MFCH-24T	3-18T	7901 35144	6 1/8 155.6	5 1/8 130.2	1 7/16 36.5	7/16 11.1	1 9/16 39.7	2 50.8	2 13/16 71.4	3/4 19.1	7/16 11.1	4.250 107.95	7/16	6.3 2.86
1 11/16 1 3/4	MFC-27T MFC-28T	3-111T 3-112T	7889 35090	6 1/8 155.6	5 1/8 130.2	1 25/64 35.3	7/16 11.1	1 5/8 41.3	2 3/32 53.2	3 1/4 82.6	3/4 19.1	15/32 11.9	4.250 107.95	7/16	7.1 3.22
1 15/16 2	MFC-31T MFC-32T	3-115T 2-2T	9752 43377	6 3/8 161.9	5 3/8 136.5	1 5/8 41.3	7/16 11.1	1 5/8 41.3	2 1/4 57.2	3 1/2 88.9	27/32 21.4	5/8 15.9	4.500 114.30	7/16	8.1 3.67
2 3/16 2 1/4	MFC-35T MFC-36T	3-23T 2-24T	11789 52437	7 1/8 181.0	6 152.4	1 25/32 45.2	1/2 12.7	1 3/4 44.5	2 5/8 66.7	4 1/16 103.2	1 25.4	7/8 22.2	5.000 127.00	1/2	11.7 5.31

For Medium Duty SKWEZLOC Locking Collar Bearing inserts see page G-96. For Replacement Lock Collar see page G-98.
*Recommended hole size for pilot +.000" / -.002".

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Piloted Flange Cartridge

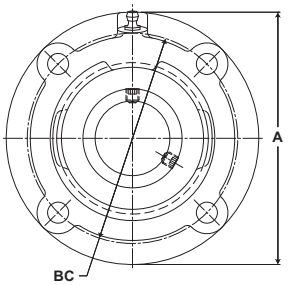
Self Alignment: +/- 2 Degrees

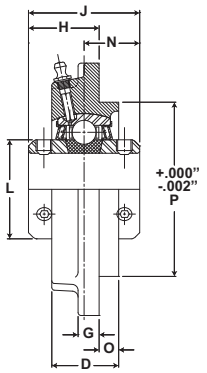
Lock: Double Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F





MFCD Series Medium Duty Flange Cartridge Units With Double Lock - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P*		
1	MFCD-16	3-1	4381 19487	4 3/8 111.1	3 5/8 92.1	1 11/64 29.8	3/8 9.5	1 5/16 33.3	1 3/4 44.5	1 19/32 40.5	11/16 17.5	1/4 6.4	3.000 76.20	5/16	3.8 1.7
1 3/16 1 1/4	MFCD-19 MFCD-20	3-13 2-14	5782 25718	5 127.0	4 1/8 104.8	1 9/32 32.5	3/8 9.5	1 5/16 33.3	2 50.8	1 55/64 47.2	11/16 17.5	3/8 9.5	3.375 85.73	3/8	3.9 1.8
1 7/16 1 1/2	MFCD-23 MFCD-24	3-17 2-18	7340 32648	5 1/4 133.4	4 3/8 111.1	1 25/64 35.3	7/16 11.1	1 1/2 38.1	2 5/16 58.7	2 1/16 52.4	3/4 19.1	13/32 10.3	3.625 92.08	3/8	4.7 2.1
1 11/16 1 3/4	MFCD-27 MFCD-28	3-111 3-112	7889 35090	6 1/8 155.6	5 1/8 130.2	1 25/64 35.3	7/16 11.1	1 9/16 39.7	2 1/2 63.5	2 15/32 62.7	23/32 18.3	7/16 11.1	4.250 107.95	7/16	6.5 3.0
1 15/16 2	MFCD-31 MFCD-32	3-115 2-2	9752 43377	6 3/8 161.9	5 3/8 136.5	1 19/32 40.5	7/16 11.1	1 9/16 39.7	2 5/8 66.7	2 23/32 69.1	27/32 21.4	19/32 15.1	4.500 114.30	7/16	7.6 3.5
2 3/16 2 1/4	MFCD-35 MFCD-36	3-23 2-24	11789 52437	7 1/8 181.0	6 152.4	1 25/32 45.2	1/2 12.7	1 11/16 42.9	3 1/8 79.4	3 1/8 79	31/32 24.6	27/32 21.4	5.000 127.00	1/2	10.4 4.7
2 7/16 2 1/2	MFCD-39 MFCD-40	3-27 3-28	13971 62143	7 5/8 193.7	6 1/2 165.1	2 5/32 54.8	9/16 14.3	1 3/4 44.5	3 1/2 88.9	3 7/16 87.3	1 5/32 29.4	1 3/32 27.8	5.500 139.70	1/2	14.3 6.5
2 11/16	MFCD-43	3-211	14839 66004	8 3/4 222.3	7 1/2 190.5	2 9/32 57.9	9/16 14.3	2 50.8	3 1/2 88.9	3 41/64 92.5	1 9/32 32.5	1 1/32 26.2	6.375 161.93	5/8	18.9 8.6
2 15/16 3	MFCD-47 MFCD-48	3-215 3-3	17412 77449	8 3/4 222.3	7 1/2 190.5	2 13/32 61.1	5/8 15.9	2 50.8	3 7/8 98.4	3 59/64 99.6	1 15/32 37.3	1 7/32 31.0	6.375 161.93	5/8	20.8 9.5
3 7/16 3 1/2	MFCD-55 MFCD-56	3-37 2-38	21566 95926	10 1/4 260.4	8 5/8 219.1	2 23/32 69.1	3/4 19.1	2 21/32 67.5	4 7/16 112.7	4 25/64 111.5	2 7/32 56.4	1 3/32 27.8	7.375 187.33	3/4	32.8 14.9
3 15/16 4	MFCD-63 MFCD-64	3-315 3-4	29905 133017	10 7/8 276.2	9 3/8 238.1	3 7/32 81.8	7/8 22.2	3 1/2 88.9	5 3/8 136.5	5 11/64 131.4	2 11/16 68.3	1 3/32 27.8	8.125 206.38	3/4	46.0 20.9

For Medium Duty Bearing Inserts-Single Lock see page G-95.
*Recommended hole size for pilot 15/16 to 3 1/2 +.000" / -.002" and 3 15/16 to 4 +.000" / -.004".

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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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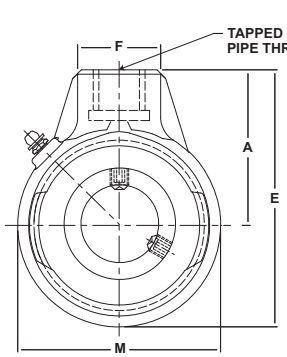
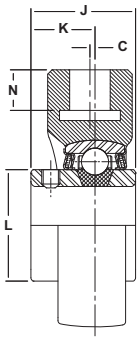
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Varies
Rolling Elements: Ball
Housing: Ductile Iron Hanger Bearing
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F





SEHB Series Hanger Bearing External Lube - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Pipe Tap* N.P.S.M.	N	Unit Wt. lb/kg
inch	mm				A	C	E	F	J	K	L	M		Thread Length	
15/16		SEHB-15	3-015	4381 19487	2 1/2 63.5	-	4 1/16 103.2	1 9/16 39.7	1 1/2 38.1	7/8 22.2	1 19/32 40.5	3 1/8 79.4	3/4-14	13/16	2.2 1.00
	25	SEHB-305	5305												
1		SEHB-16	3-1												
1 1/16		SEHB-17	2-11												
	30	SEHB-206	5206												
1 3/16		SEHB-19	3-13	5782 25718	2 3/4 69.9	-	4 9/16 115.9	1 9/16 39.7	1 11/16 42.9	1 25.4	1 55/64 47.2	3 5/8 92.1	3/4-14	3/4	3.1 1.41
1 1/4		SEHB-20	2-14												
1 5/16		SEHB-21	2-15												
1 3/8		SEHB-22	2-16												
	35	SEHB-207	5207												
1 7/16		SEHB-23	3-17	7340 32648	2 7/8 73.0	3/32 2.4	4 3/4 120.7	1 9/16 39.7	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	3 3/4 95.3	3/4-14	3/4	3.4 1.54
1 1/2		SEHB-24	2-18												
1 9/16		SEHB-25	2-19												
	40	SEHB-208	5208												
1 11/16		SEHB-27	3-111	7889 35090	3 1/4 82.6	3/16 4.8	5 7/16 138.1	1 7/8 47.6	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	4 3/8 111.1	1-11 1/2	13/16	4.5 2.04
1 3/4		SEHB-28	3-112												
1 7/8		SEHB-30	2-114												
1 15/16		SEHB-31	2-115												
2		SEHB-32R	1-2												
	50	SEHB-210	5210												
2 3/16		SEHB-35	3-23	11789 52437	4 101.6	11/32 8.7	6 13/16 173.0	2 5/16 58.7	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5 5/8 142.9	1 1/4-11 1/2	1 1/8	9 4.08
2 1/4		SEHB-36	2-24												
2 3/8		SEHB-38	2-26												
2 7/16		SEHB-39	2-27												
	60	SEHB-212	5212												
2 11/16		SEHB-43	3-211	14839 66004	4 5/8 117.5	3/8 9.5	7 7/8 200.0	2 3/4 69.9	3 1/16 77.8	1 3/4 44.5	3 41/64 92.5	6 1/2 165.1	1 1/2-11 1/2	1 1/4	14.6 6.62
2 7/8		SEHB-46	2-214												
2 15/16		SEHB-47	2-215												
	75	SEHB-215	5215												
3		SEHB-48	3-3	17412 77449	4 7/8 123.8	5/16 7.9	8 5/16 211.1	2 13/16 71.4	3 1/4 82.6	1 15/16 49.2	3 59/64 99.6	6 7/8 174.6	1 1/2-11 1/2	1 1/4	16.8 7.62
3 3/16		SEHB-51	2-33												
	80	SEHB-216	5216												
3 15/16		SEHB-63	3-315	29905 133017	8 1/8 206.4		13 1/4 336.6	4 3/8 111.1	4 5/8 117.5	2 11/16 68.3	5 11/64 131.4	10 1/4 260.4	2 1/2-8 1/2	2 5/8	62 28.12
4		SEHB-64	3-4												
	100	SEHB-320	5320												

For Standard (2-) Duty Bearing Inserts-Double Lock see page G-95. For Medium (3-) Duty Bearing Inserts-Double Lock see page G-97.
*Use Straight Pipe Thread.
Note: Units may be provided with tight internal bearing clearance and housing fits by adding suffix BDZ to Part No., as SEHB-19 BDZ.

Bearing Selection Page G-3 | Nomenclature Aid Page G-18 | Features & Benefits Page G-21 | Product Options Page G-23 | Technical Engineering Page G-220

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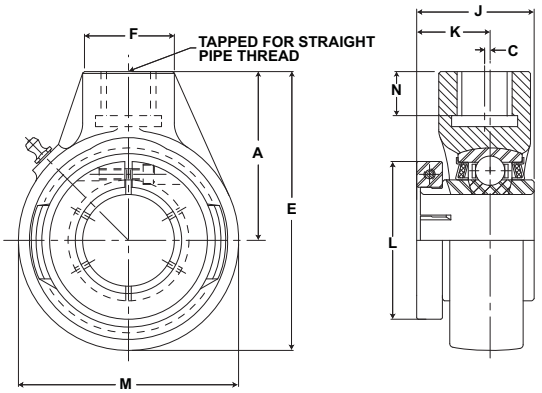
SEALMASTER® Performance Mounted Ball Bearings

Duty: Varies
Rolling Elements: Ball
Housing: Ductile Iron Hanger Bearing
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



SEHB-T Series Hanger Bearing External Lube - SKWEZLOC Locking Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Pipe Tap* N.P.S.M.	N	Unit Wt. lb/kg
inch	mm				A	C	E	F	J	K	L	M		Thread Length	
15/16		SEHB-15T	3-015T	4381 19487	2 1/2 63.5	-	4 1/16 103.2	1 9/16 39.7	1 9/16 39.7	7/8 22.2	2 1/16 52.4	3 1/8 79.4	3/4-14	13/16	2.2 1.00
	25	SEHB-305T	5305T												
1		SEHB-16T	3-1T												
1 1/16		SEHB-17T	2-11T												
1 3/16		SEHB-19T	3-13T	5782 25718	2 3/4 69.9	-	4 9/16 115.9	1 9/16 39.7	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	3 5/8 92.1	3/4-14	3/4	3.1 1.41
1 1/4		SEHB-20 T	2-14T												
1 7/16		SEHB-23T	3-17T	7340 32648	2 7/8 73.0	3/32 2.4	4 3/4 120.7	1 9/16 39.7	2 50.8	1 1/4 31.8	2 11/16 68.3	3 3/4 95.3	3/4-14	3/4	3.4 1.54
1 1/2		SEHB-24T	2-18T												
	40	SEHB-208T	5208T												
1 11/16		SEHB-27T	3-111T	7889 35090	3 1/4 82.6	3/16 4.8	5 7/16 138.1	1 7/8 47.6	2 3/32 53.2	1 11/32 34.1	3 1/4 82.6	4 3/8 111.1	1-11 1/2	13/16	4.5 2.04
1 3/4		SEHB-28T	3-112T												
1 7/8		SEHB-30T	2-114T												
1 15/16		SEHB-31T	2-115T												
2		SEHB-32T	1-2T												
	50	SEHB-210T	5210T												
2 3/16		SEHB-35T	3-23T	11789 52437	4 101.6	11/32 8.7	6 13/16 173.0	2 5/16 58.7	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5 5/8 142.9	1 1/4-11 1/2	1 1/8	9 4.08
2 7/16	60	SEHB-39T SEHB-212T	2-27T 5212T	11789 52437	4 101.6	11/32 8.7	6 13/16 173.0	2 5/16 58.7	2 5/8 66.7	1 5/8 41.3	4 1/8 104.8	5 5/8 142.9	1 1/4-11 1/2	1 1/8	9 4.08

For Standard (2-) Duty Bearing Inserts - SKWELOC Locking Collar see page G-94. For Medium (3-) Duty Bearing Inserts - SKWELOC Locking Collar see page G-95.
For Replacement Lock Collar see page G-98.
*Use Straight Pipe Thread.
Note: Units may be provided with tight internal bearing clearance and housing fits by adding suffix BDZ to Part No., as SEHB-19T BDZ.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
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Performance Mounted Ball Bearings

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Self Alignment: +/- 2 Degrees
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Seal: Felt
Optional Seal: Contact
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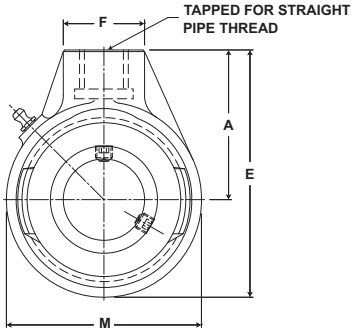

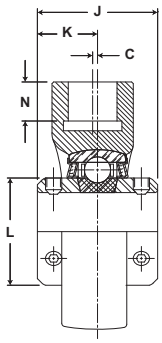

SEHBD Series Hanger Bearing External Lube - Double Set Screw Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Pipe Tap* N.P.S.M.	N Thread Length	Unit Wt. lb/kg
				A	C	E	F	J	K	L	M			
1	SEHBD-16	3-1D	4381 19487	2 1/2 63.5	-	4 1/16 103.2	1 9/16 39.7	1 3/4 44.5	7/8 22.2	1 19/32 40.5	3 1/8 79.4	3/4-14	13/16	2.2 1.00
1 3/16 1 1/4	SEHBD-19 SEHBD-20	3-13D 2-14D	5782 25718	2 3/4 69.9	-	4 9/16 115.9	1 9/16 39.7	2 50.8	1 25.4	1 55/64 47.2	3 5/8 92.1	3/4-14	3/4	3.1 1.41
1 7/16 1 1/2	SEHBD-23 SEHBD-24	3-17D 2-18D	7340 32648	2 7/8 73.0	3/32 2.4	4 3/4 120.7	1 9/16 39.7	2 5/16 58.7	1 5/32 29.4	2 1/16 52.4	3 3/4 95.3	3/4-14	3/4	3.4 1.54
1 11/16 1 7/8 1 15/16	SEHBD-27 SEHBD-30 SEHBD-31	3-111D 2-114D 2-115D	7889 35090	3 1/4 82.6	3/16 4.8	5 7/16 138.1	1 7/8 47.6	2 1/2 63.5	1 1/4 31.8	2 15/32 62.7	4 3/8 111.1	1-11 1/2	13/16	4.5 2.04
2 3/16 2 7/16	SEHBD-35 SEHBD-39	3-23D 2-27D	11789 52437	3 7/16 87.3	1 1/8 28.6	5 7/8 149.2	1 7/8 47.6	3 1/8 79.4	1 9/16 39.7	2 23/32 69.1	4 7/8 123.8	1-11 1/2	1 1/8	9 4.08
2 11/16 2 15/16	SEHBD-43 SEHBD-47	3-211D 2-215D	13971 62143	4 5/8 117.5	3/8 9.5	7 7/8 200.0	2 3/4 69.9	3 1/2 88.9	3 1/2 88.9	3 41/64 92.5	6 1/2 165.1	1 1/2-11 1/2	1 1/4	14.6 6.62
3 15/16 4	SEHBD-63 SEHBD-64	3-315D 3-4D	29905 133017	8 1/8 206.4	-	13 1/4 336.6	4 3/8 111.1	5 3/8 136.5	5 3/8 136.5	5 11/64 131.4	10 1/4 260.4	2 1/2-8 1/2	2 5/8	62 28.12

For Standard (2-)Duty Bearing Inserts-Double Lock see page G-94. For Medium (3-) Duty Bearing Inserts-Double Lock see page G-97.
*Use Straight Pipe Thread.
Note: Units may be provided with tight internal and housing fits by adding suffix BDZ to Part No., as SEHBD-19 BDZ.

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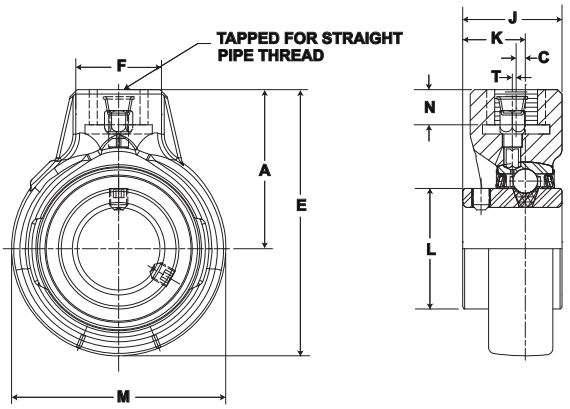
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Varies
Rolling Elements: Ball
Housing: Ductile Iron Hanger Bearing
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



SCHB Series Hanger Bearing Internal Lube - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Pipe Tap* N.P.S.M.	N	T Brg. To Lub. Ftg. Centers	Unit Wt. lb/kg
inch	mm				A	C	E	F	J	K	L	M		Thread Length		
15/16		SCHB-15	3-015													
	25	SCHB-305	5305													
1		SCHB-16	3-1	4381 19487	2 1/2 63.5	-	4 1/16 103.2	1 9/16 39.7	1 1/2 38.1	7/8 22.2	1 19/32 40.5	3 1/8 79.4	3/4 - 14	13/16 0.37	◊ 7/32 0.10	2.2 1.00
1 1/16		SCHB-18	2-12													
	30	SCHB-206	5206													
1 3/16		SCHB-19	3-13													
1 1/4		SCHB-20	2-14													
1 5/16		SCHB-21	2-15	5782 25718	2 3/4 69.9	-	4 9/16 115.9	1 9/16 39.7	1 11/16 42.9	1 25.4	1 55/64 47.2	3 5/8 92.1	3/4 - 14	3/4 0.34	◊ 1/4 0.11	3.1 1.41
1 3/8		SCHB-22	2-16													
	35	SCHB-207	5207													
1 7/16		SCHB-23	3-17													
1 1/2		SCHB-24	2-18	7340	2 7/8	3/32	4 3/4	1 9/16	1 15/16	1 3/16	2 1/16	3 3/4	3/4 - 14	3/4	◊ 19/64	3.4
1 9/16		SCHB-25	2-19	32648	73.0	2.4	120.7	39.7	49.2	30.2	52.4	95.3		0.34	0.13	1.54
	40	SCHB-208	5208													
1 11/16		SCHB-27	3-111													
1 3/4		SCHB-28	3-112													
1 7/8		SCHB-30	2-114	7889	3 1/4	3/16	5 7/16	1 7/8	2 1/32	1 9/32	2 15/32	4 3/8	1 - 11 1/2	13/16	17/64	4.5
1 15/16		SCHB-31	2-115	35090	82.6	4.8	138.1	47.6	51.6	32.5	62.7	111.1		0.37	0.12	2.04
2		SCHB-32R	1-2													
	50	SCHB-210	5210													
2 3/16		SCHB-35	3-23													
2 1/4		SCHB-36	2-24													
2 3/8		SCHB-38	2-26	11789 52437	4 101.6	11/32 8.7	6 13/16 173.0	2 5/16 58.7	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5 5/8 142.9	1 1/4 - 11 1/2	1 1/8 0.51	21/64 0.15	9.0 4.08
2 7/16		SCHB-39	2-27													
	60	SCHB-212	5212													
2 11/16		SCHB-43	3-211													
2 7/8		SCHB-46	2-214	14839	4 5/8	3/8	7 7/8	2 3/4	3 1/16	1 3/4	3 41/64	6 1/2	1 1/2 - 11 1/2	1 1/4	3/8	14.6
2 15/16		SCHB-47	2-215	66004	117.5	9.5	200.0	69.9	77.8	44.5	92.5	165.1		0.57	0.17	6.62
	75	SCHB-215	5215													
3 3/16		SCHB-51	2-33	17412	4 7/8	5/16	8 5/16	2 13/16	3 1/4	1 15/16	3 59/64	6 7/8	1 1/2 - 11 1/2	1 1/4	13/32	16.8
	80	SCHB-216	5216	77449	123.8	7.9	211.1	71.4	82.6	49.2	99.6	174.6		0.57	0.18	7.62
3 15/16		SCHB-63	3-315	29905	8 1/8		13 1/4	4 3/8	4 5/8	2 11/16	5 11/64	10 1/4	2 1/2 - 8 1/2	2 5/8	19/32	62
4		SCHB-64	3-4	133017	206.4		336.6	111.1	117.5	68.3	131.4	260.4		1.19	0.27	28.12
	100	SCHB-320	5320													

For Standard Duty Bearing inserts-Single Lock see page G-92.
◊ No Adapter or Fitting
*Use Straight Pipe Thread

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Cylindrical Cartridge

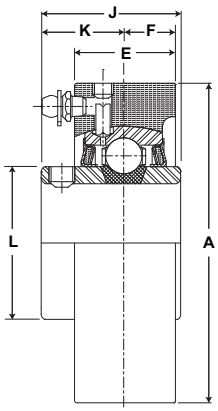
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



SC Series Standard Duty Cartridge Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm						Unit Wt. lb/kg
inch	mm				A ±.001"	E	F	J	L	K	
1/2 9/16 5/8 11/16		SC-8 SC-9 SC-10 SC-11	2-08 2-09 2-010 2-011	2611 11614	2.688 68.26	7/8 22.2	1/2 12.7	1 7/32 31.0	1 3/16 30.2	23/32 18.3	1.1 0.50
3/4	20	SC-12 SC-204	2-012 5204	2611 11614	2.938 74.61	7/8 22.2	1/2 12.7	1 7/32 31.0	1 3/16 30.2	23/32 18.3	1.4 .63
13/16 7/8 15/16 1	25	SC-13 SC-14 SC-15 SC-16 SC-205	2-013 2-014 2-015 2-1 5205	2801 12459	3.125 79.38	1 1/32 26.2	9/16 14.3	1 3/8 34.9	1 3/8 34.9	13/16 20.6	1.9 0.86
1 1/16 1 1/8 1 3/16 1 1/4	30	SC-17 SC-18 SC-19 SC-20R SC-206	2-11 2-12 2-13 1-14 5206	4381 19487	3.500 88.90	1 3/32 27.8	5/8 15.9	1 1/2 38.1	1 19/32 40.5	7/8 22.2	2.5 1.13
1 1/4 1 5/16 1 3/8 1 7/16	35	SC-20 SC-21 SC-22 SC-23 SC-207	2-14 2-15 2-16 2-17 5207	5782 25718	3.875 98.43	1 7/32 31.0	11/16 17.5	1 11/16 42.9	1 55/64 47.2	1 25.4	3.2 1.45
1 1/2 1 9/16	40	SC-24 SC-25 SC-208	2-18 2-19 5208	7340 32648	4.188 106.36	1 15/32 37.3	3/4 19.1	1 15/16 49.2	2 1/16 52.4	1 3/16 30.2	4.1 1.86
1 5/8 1 11/16 1 3/4	45	SC-26 SC-27 SC-28 SC-209	2-110 2-111 2-112 5209	7901 35144	4.375 111.13	1 7/16 36.5	3/4 19.1	1 15/16 49.2	2 19/64 58.3	1 3/16 30.2	4.5 2.04
1 13/16 1 7/8 1 15/16 2	50	SC-29 SC-30 SC-31 SC-32R SC-210	2-113 2-114 2-115 1-2 5210	7889 35090	4.563 115.89	1 15/32 37.3	3/4 19.1	2 1/32 51.6	2 15/32 62.7	1 9/32 32.5	4.9 2.22
2 2 1/8 2 3/16	55	SC-32 SC-34 SC-35 SC-211	2-2 2-22 2-23 5211	9752 43377	4.938 125.41	1 19/32 40.5	7/8 22.2	2 3/16 55.6	2 23/32 69.1	1 5/16 33.3	5.8 2.63
2 1/4 2 3/8 2 7/16	60	SC-36 SC-38 SC-39 SC-212	2-24 2-26 2-27 5212	11789 52437	5.875 149.23	1 5/8 41.3	1 25.4	2 9/16 65.1	2 63/64 75.8	1 9/16 39.7	9.0 4.08
2 1/2 2 11/16	70	SC-40 SC-43 SC-214	3-28 2-211 5214	13971 62143	6.250 158.75	2 50.8	1 1/16 27.0	2 3/4 69.9	3 7/16 87.3	1 11/16 42.9	12.6 5.72
2 7/8 2 15/16	75	SC-46 SC-47 SC-215	2-214 2-215 5215	14839 66004	6.625 168.28	2 50.8	1 5/16 33.3	3 1/16 77.8	3 21/32 92.9	1 3/4 44.5	13.5 6.12

For Standard Duty Bearing Inserts-Single Lock see page G-92.
For Housing fit guidelines see page G-261.

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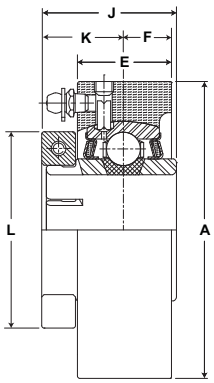
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Cylindrical Cartridge
Self Alignment: Consult Application Engineering*
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



SC-T Series Standard Duty Cartridge Units - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A ±.001"	E	F	J	K	L	Unit Wt. lb/kg
15/16 1	SC-15T* SC-16T*	2-015T 2-1T	2801 12459	3 1/8 79.38	1 1/32 26.2	9/16 14.3	1 7/16 36.5	7/8 22.2	1 15/16 49.2	1.9 .86
1 1/8 1 3/16 1 1/4	SC-18T* SC-19T* SC-20RT*	2-12T 2-13T 1-14T	4381 19487	3 1/2 88.90	1 3/32 27.8	9/16 14.3	1 9/16 39.7	15/16 23.8	2 3/16 55.6	2.5 1.13
1 1/4	SC-20T	2-14T	5782 25718	3 7/8 98.43	1 7/32 31.0	5/8 15.9	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	3.3 1.47
1 3/8 1 7/16	SC-22T SC-23T	2-16T 2-17T	5782 25718	3 7/8 98.43	1 7/32 31.0	5/8 15.9	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	3.2 1.45
1 1/2 1 9/16	SC-24T SC-25T	2-18T 2-19T	7340 32648	4 3/16 106.36	1 15/32 37.3	3/4 19.1	2 50.8	1 1/4 31.8	2 11/16 68.3	4.1 1.86
1 5/8	SC-26T	2-110T	7901 35144	4 3/8 111.13	1 7/16 36.5	23/32 18.3	2 50.8	1 1/4 31.8	2 13/16 71.4	4.6 2.09
1 11/16 1 3/4	SC-27T SC-28T	2-111T 2-112T	7901 35144	4 3/8 111.13	1 7/16 36.5	23/32 18.3	2 50.8	1 1/4 31.8	2 15/16 74.6	4.5 2.04
1 15/16	SC-31T	2-115T	7889 35090	4 9/16 115.89	1 15/32 37.3	3/4 19.1	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	4.9 2.22
2	SC-32T	2-2T	9752 43377	4 15/16 125.41	1 19/32 40.5	27/32 21.4	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5.8 2.63
2 1/8 2 3/16	SC-34T SC-35T	2-22T 2-23T	9752 43377	4 15/16 125.41	1 19/32 40.5	27/32 21.4	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	5.8 2.63
2 1/4	SC-36T	2-24T	11789 52437	5 7/8 149.23	1 5/8 41.3	13/16 20.6	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	9.0 4.08
2 3/8 2 7/16	SC-38T SC-39T	2-26T 2-27T	11789 52437	5 7/8 149.23	1 5/8 41.3	13/16 20.6	2 5/8 66.7	1 5/8 41.3	4 1/8 104.8	9.0 4.08

SC-T Series Standard Cartridge Units - SKWEZLOC Locking Collar - Metric - SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions mm / inch A ±.0025 mm	E	F	J	K	L	Unit Wt. lb/kg
25	SC-205TMC*	5205TMC	12459 2801	79.38 3 1/8	26.2 1 1/32	14.3 9/16	36.5 1 7/16	22.2 7/8	49.2 1 15/16	.86 1.9
30	SC-206TMC*	5206TMC	19487 4381	88.90 3 1/2	27.8 1 3/32	14.3 9/16	39.7 1 9/16	23.8 15/16	55.6 2 3/16	1.13 2.5
35	SC-207TMC	5207TMC	25718 5782	98.43 3 7/8	31.0 1 7/32	15.9 5/8	44.5 1 3/4	27.0 1 1/16	65.1 2 9/16	1.45 3.2
40	SC-208TMC	5208TMC	32648 7340	106.36 4 3/16	37.3 1 15/32	19.1 3/4	50.8 2	31.8 1 1/4	68.3 2 11/16	1.86 4.1
45	SC-209TMC	5209TMC	35144 7901	111.13 4 3/8	36.5 1 7/16	18.3 23/32	50.8 2	31.8 1 1/4	74.6 2 15/16	2.04 4.5
50	SC-210TMC	5210TMC	35090 7889	115.89 4 9/16	37.3 1 15/32	19.1 3/4	53.2 2 3/32	34.1 1 11/32	85.7 3 3/8	2.22 4.9
55	SC-211TMC	5211TMC	43377 9752	125.41 4 15/16	40.5 1 19/32	21.4 27/32	57.2 2 1/4	34.9 1 3/8	92.1 3 5/8	2.63 5.8
60	SC-212TMC	5212TMC	52437 11789	149.23 5 7/8	41.3 1 5/8	20.6 13/16	66.7 2 5/8	41.3 1 5/8	104.8 4 1/8	4.08 9.0

*Reversed Inner Ring; Misalignment Capability ± 1 1/2°
For standard Duty SKWEZLOC Bearing inserts see page G-93. For Housing fit guidelines see page G-261. For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.

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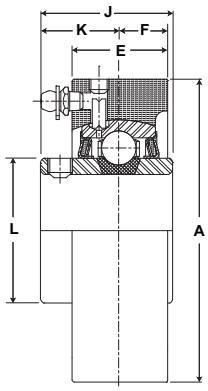
SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Cylindrical Cartridge
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



MSC Series Medium Duty Cartridge Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm						Unit Wt. lb/kg
					A	E	F	J	K	L	
inch	mm				±.001"						
15/16 1	 25	MSC-15 MSC-16 MSC-305	3-015 3-1 5305	4381 19487	3.500 88.90	1 3/32 27.8	9/16 14.3	1 1/2 38.1	7/8 22.2	1 19/32 40.5	2.5 1.13
1 3/16 1 1/4	 30	MSC-19 MSC-20 MSC-306	3-13 2-14 5306	5782 25718	3.875 98.43	1 7/32 31.0	5/8 15.9	1 11/16 42.9	1 25.4	1 55/64 47.2	3.2 1.45
1 3/8 1 7/16	 35	MSC-22 MSC-23 MSC-307	3-16 3-17 5307	7340 32648	4.188 106.36	1 15/32 37.3	3/4 19.1	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	4.1 1.86
1 1/2	 40	MSC-24 MSC-308	3-18 5308	7901 35144	4.375 111.13	1 7/16 36.5	23/32 18.3	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	4.5 2.04
1 11/16 1 3/4	 45	MSC-27 MSC-28 MSC-309	3-111 3-112 5309	7889 35090	4.563 115.89	1 15/32 37.3	3/4 19.1	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	4.9 2.22
1 15/16 2	 50	MSC-31 MSC-32 MSC-310	3-115 2-2 5310	9752 43377	4.938 125.41	1 19/32 40.5	51/64 20.2	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5.8 2.63
2 3/16 2 1/4	 55	MSC-35 MSC-36 MSC-311	3-23 2-24 5311	11789 52437	5.875 149.23	1 5/8 41.3	13/16 20.6	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	9.5 4.31
2 7/16 2 1/2	 65	MSC-39 MSC-40 MSC-313	3-27 3-28 5313	13971 62143	6.250 158.75	2 50.8	1 25.4	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	12.6 5.72
2 11/16 2 3/4	 70	MSC-43 MSC-44 MSC-314	3-211 3-212 5314	14839 66004	6.625 168.28	2 50.8	1 25.4	3 1/16 77.8	1 3/4 44.5	3 21/32 92.9	14.1 6.40
2 15/16 3	 75	MSC-47 MSC-48 MSC-315	3-215 3-3 5315	17412 77449	7.000 177.80	2 3/16 55.6	1 3/32 27.8	3 1/4 82.6	1 15/16 49.2	3 59/64 99.6	16.6 7.53
3 3/16 3 1/4 3 3/8	 80	MSC-51 MSC-52 MSC-54 MSC-316	3-33 2-34 2-36 5316	18681 83093	7.438 188.91	2 1/2 63.5	1 1/4 31.8	3 3/8 85.7	2 1/32 51.6	4 5/32 105.6	20.2 9.16
3 7/16 3 1/2		MSC-55 MSC-56	3-37 2-38	21566 95926	8.188 207.96	2 1/2 63.5	1 1/4 31.8	3 25/32 96.0	2 7/32 56.4	4 25/64 111.5	25.8 11.70
3 15/16 4	 100	MSC-63 MSC-64 MSC-320	3-315 3-4 5320	29905 133017	9.500 241.30	3 76.2	1 1/2 38.1	4 5/8 117.5	2 11/16 68.3	5 11/64 131.4	42 19.05

For Medium Duty Bearing Inserts-Single Lock see page G-95.
For Housing fit guidelines see page G-261.

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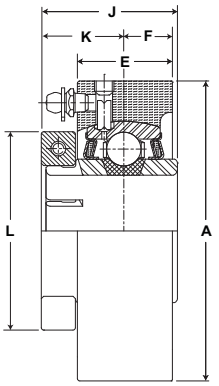
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Cylindrical Cartridge
Self Alignment: Consult Application Engineering*
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



MSC-T Series Medium Duty Cartridge Units- SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm						Unit Wt. lb/kg
				A	E	J	K	F	L	
1	MSC-16T	3-1T	4381 19487	3 1/2 88.90	1 3/32 27.8	1 9/16 39.7	15/16 23.8	9/16 14.3	2 1/16 52.4	2.5 1.13
1 3/16 1 1/4	MSC-19T MSC-20T	3-13T 2-14T	5782 25718	3 7/8 98.43	1 7/32 31.0	1 3/4 44.5	1 1/16 27.0	5/8 15.9	2 7/16 61.9	3.2 1.45
1 7/16	MSC-23T	3-17T	7340 32648	4 3/16 106.36	1 15/32 37.3	2 50.8	1 1/4 31.8	3/4 19.1	2 11/16 68.3	4.1 1.86
1 1/2	MSC-24T	3-18T	7901 35144	4 3/8 111.13	1 7/16 36.5	2 50.8	1 1/4 31.8	23/32 18.3	2 13/16 71.4	4.5 2.04
1 11/16 1 3/4	MSC-27T MSC-28T	3-111T 3-112T	7889 35090	4 9/16 115.89	1 15/32 37.3	2 3/32 53.2	1 11/32 34.1	3/4 19.1	3 1/4 82.6	4.9 2.22
1 15/16 2	MSC-31T MSC-32T	3-115T 2-2T	9752 43377	4 15/16 125.41	1 19/32 40.5	2 1/4 57.2	1 3/8 34.9	27/32 21.4	3 1/2 88.9	5.8 2.63
2 3/16 2 1/4	MSC-35T MSC-36T	3-23T 2-24T	11789 52437	5 7/8 149.23	1 5/8 41.3	2 5/8 66.7	1 5/8 41.3	13/16 20.6	4 1/16 103.2	9.0 4.08

* Misalignment capability reduced as a result of SKWEZLOC collar clearance.
For Medium Duty SKWEZLOC Locking Collar Bearing inserts see page G-96.
For Housing fit guidelines see page G-261.
For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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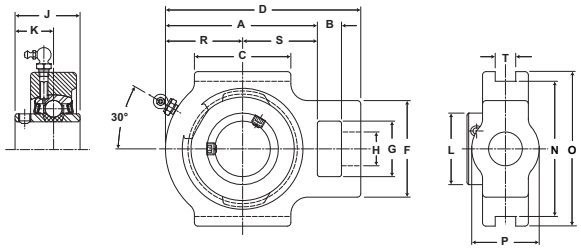
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



ST Series Standard Duty Take-UP Units - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
					A	B	C	D	F	G	H	J	K	L	N	O	P	R	S	T	
inch	mm										Core						Hub				
1/2 9/16 5/8 11/16 3/4		ST-8 ST-9 ST-10 ST-11 ST-12	2-08 2-09 2-010 2-011 2-012	2611 11614	2 11/16 68.3	5/8 15.9	2 50.8	3 11/16 93.7	2 50.8	1 1/4 31.8	3/4 19.1	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3 76.2	3 1/2 88.9	1 3/8 34.9	1 5/16 33.3	1 3/8 34.9	17/32	2.1 0.95
	20	ST-204	5204																		
13/16 7/8 15/16 1		ST-13 ST-14 ST-15 ST-16	2-013 2-014 2-015 2-1	2801 12459	2 13/16 71.4	5/8 15.9	2 50.8	3 13/16 96.8	2 50.8	1 1/4 31.8	3/4 19.1	1 3/8 34.9	13/16 20.6	1 3/8 34.9	3 76.2	3 1/2 88.9	1 1/2 38.1	1 3/8 34.9	1 7/16 36.5	17/32	2.6 1.18
	25	ST-205	5205																		
1 1/16 1 1/8 1 3/16 1 1/4		ST-17 ST-18 ST-19 ST-20R	2-11 2-12 2-13 1-14	4381 19487	3 7/16 87.3	5/8 15.9	2 1/4 57.2	4 7/16 112.7	2 3/16 55.6	1 7/16 36.5	7/8 22.2	1 1/2 38.1	7/8 22.2	1 19/32 40.5	3 1/2 88.9	4 101.6	1 3/4 44.5	1 11/16 42.9	1 3/4 44.5	17/32	3.4 1.54
	30	ST-206	5206																		
1 1/4 1 5/16 1 3/8 1 7/16		ST-20 ST-21 ST-22 ST-23	2-14 2-15 2-16 2-17	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 11/16 42.9	1 25.4	1 55/64 47.2	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 15/16 49.2	17/32	4.0 1.81
	35	ST-207	5207																		
1 1/2 1 9/16		ST-24 ST-25	2-18 2-19	7340 32648	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/8 54.0	11/16	6.0 2.7
	40	ST-208	5208																		
1 5/8 1 11/16 1 3/4		ST-26 ST-27 ST-28	2-110 2-111 2-112	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	4 101.6	4 5/8 117.5	2 3/16 55.6	2 1/4 57.2	2 1/16 52.4	11/16	6.0 2.72
	45	ST-209	5209																		
1 13/16 1 7/8 1 15/16 2		ST-29 ST-30 ST-31 ST-32R	2-113 2-114 2-115 1-2	7889 35090	4 1/2 114.3	3/4 19.1	3 3/8 85.7	5 7/8 149.2	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	4 101.6	4 5/8 117.5	2 3/16 55.6	2 5/16 58.7	2 3/16 55.6	11/16	6.0 2.72
	50	ST-210	5210																		
2 2 1/8 2 3/16		ST-32 ST-34 ST-35	2-2 2-22 2-23	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5 1/8 130.2	5 3/4 146.1	2 1/4 57.2	2 9/16 65.1	2 7/16 61.9	1 1/16	9.8 4.4
	55	ST-211	5211																		
2 1/4 2 3/8 2 7/16		ST-36 ST-38 ST-39	2-24 2-26 2-27	11789 52437	5 5/8 142.9	1 1/4 31.8	4 101.6	7 5/8 193.7	4 101.6	2 1/2 63.5	1 3/8 34.9	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5 1/8 130.2	5 3/4 146.1	2 3/8 60.3	2 15/16 74.6	2 11/16 68.3	1 1/16	12.3 5.58
	60	ST-212	5212																		
2 1/2 2 11/16		ST-40 ST-43	3-28 2-211	13971 62143	6 3/4 171.5	1 1/4 31.8	4 3/4 120.7	8 13/16 223.8	4 3/8 111.1	2 3/4 69.9	1 5/8 41.3	2 3/4 69.9	1 11/16 42.9	3 7/16 87.3	5 15/16 150.8	6 9/16 166.7	3 3/8 85.7	3 7/16 87.3	3 5/16 84.1	1 1/16	19.0 8.62
	70	ST-214	5214																		
2 7/8 2 15/16		ST-46 ST-47	2-214 2-215	14839 66004	7 1/16 179.4	1 1/4 31.8	4 3/4 120.7	9 1/8 231.8	4 3/8 111.1	2 3/4 69.9	1 5/8 41.3	3 1/16 77.8	1 3/4 44.5	3 41/64 92.5	5 15/16 150.8	6 9/16 166.7	3 3/8 85.7	3 5/8 92.1	3 7/16 87.3	1 1/16 27.0	19.0 8.62
	75	ST-215	5215																		
3 3/16		ST-51	2-33	17412 77449	7 3/16 182.6	1 1/4 31.8	4 3/4 120.7	9 1/4 235.0	4 3/8 111.1	2 3/4 69.9	1 5/8 41.3	3 1/4 82.6	1 15/16 49.2	3 59/64 99.6	6 1/2 165.1	7 1/4 184.2	3 3/8 85.7	3 3/4 95.3	3 7/16 87.3	1 1/16 27.0	22.1 10.02
	80	ST-216	5216																		
3 1/4 3 3/8 3 7/16		ST-52 ST-54 ST-55	2-34 2-36 2-37	18681 83093	7 5/8 193.7	1 1/2 38.1	6 3/16 157.2	10 1/4 260.4	4 7/8 123.8	2 7/8 73.0	1 7/8 47.6	3 3/8 85.7	2 1/32 51.6	4 5/32 105.6	6 13/16 173.0	7 13/16 198.4	3 1/2 88.9	3 7/8 98.4	3 3/4 95.3	1 13/16 46.0	31.4 14.2

For Standard Duty Bearing Inserts-Single Lock see page G-92.
For Take-Up Frames see pages G-76 to G-78.

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Duty: Standard
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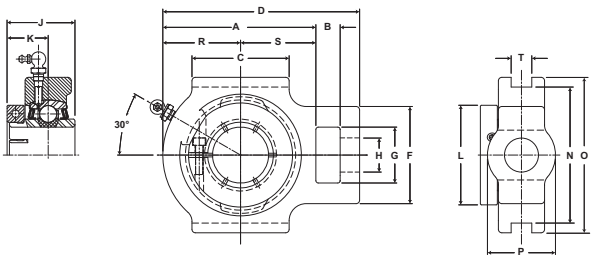
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



ST-T Series Standard Duty Take-Up Units - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
				A	B	C	D	F	G	H Core	J	K	L	N	O	P Hub	R	S	T	
3/4	ST-12T	2-012T	2611 11614	2 11/16 68.3	5/8 15.9	2 50.8	3 11/16 93.7	2 50.8	1 1/4 31.8	3/4 19.1	1 9/32 32.5	25/32 19.8	1 3/4 44.5	3 76.2	3 1/2 88.9	1 3/8 34.9	1 5/16 33.3	1 3/8 34.9	17/32	2.2 1.00
15/16 1	ST-15T ST-16T	2-015T 2-1T	2801 12459	2 13/16 71.4	5/8 15.9	2 50.8	3 13/16 96.8	2 50.8	1 1/4 31.8	3/4 19.1	1 7/16 36.5	7/8 22.2	1 15/16 49.2	3 76.2	3 1/2 88.9	1 1/2 38.1	1 3/8 34.9	1 7/16 36.5	17/32	2.8 1.27
1 1/8 1 3/16	ST-18T ST-19T	2-12T 2-13T	4381 19487	3 7/16 87.3	5/8 15.9	2 1/4 57.2	4 7/16 112.7	2 3/16 55.6	1 7/16 36.5	7/8 22.2	1 9/16 39.7	15/16 23.8	2 3/16 55.6	3 1/2 88.9	4 101.6	1 3/4 44.5	1 11/16 42.9	1 3/4 44.5	17/32	3.6 1.63
1 1/4	ST-20T	2-14T	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 15/16 49.2	17/32	4.3 1.95
1 3/8 1 7/16	ST-22T ST-23T	2-16T 2-17T	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 15/16 49.2	17/32	4.3 1.95
1 1/2 1 9/16	ST-24T ST-25T	2-18T 2-19T	7340 32648	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 1/4 31.8	2 11/16 68.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/8 54.0	11/16	6.3 2.86
1 5/8	ST-26T	2-110T	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 1/4 31.8	2 13/16 71.4	4 101.6	4 5/8 117.5	2 3/16 55.6	2 1/4 57.2	2 1/16 52.4	11/16	6.3 2.86
1 11/16 1 3/4	ST-27T ST-28T	2-111T 2-112T	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 11/32 34.1	2 15/16 74.6	4 101.6	4 5/8 117.5	2 3/16 55.6	2 1/4 57.2	2 1/16 52.4	11/16	6.3 2.86
1 15/16 2	ST-31T ST-32RT	2-115T 1-2T	7889 35090	4 1/2 114.3	3/4 19.1	3 3/8 85.7	5 7/8 149.2	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 3/32 53.2	1 1/4 31.8	3 3/8 85.7	4 101.6	4 5/8 117.5	2 3/16 55.6	2 5/16 58.7	2 3/16 55.6	11/16	6.6 2.99
2	ST-32T	2-2T	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5 1/8 130.2	5 3/4 146.1	2 1/4 57.2	2 9/16 65.1	2 7/16 61.9	1 1/16	10.4 4.72
2 1/8 2 3/16	ST-34T ST-35T	2-22T 2-23T	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	5 1/8 130.2	5 3/4 146.1	2 1/4 57.2	2 9/16 65.1	2 7/16 61.9	1 1/16	10.4 4.72
2 1/4	ST-36T	2-24T	11789 52437	5 5/8 142.9	1 1/4 31.8	4 101.6	7 5/8 193.7	4 101.6	2 1/2 63.5	1 3/8 34.9	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5 1/8 130.2	5 3/4 146.1	2 3/8 60.3	2 15/16 74.6	2 11/16 68.3	1 1/16	13.4 6.08
2 3/8 2 7/16	ST-38T ST-39T	2-26T 2-27T	11789 52437	5 5/8 142.9	1 1/4 31.8	4 101.6	7 5/8 193.7	4 101.6	2 1/2 63.5	1 3/8 34.9	2 5/8 66.7	1 5/8 41.3	4 1/8 104.8	5 1/8 130.2	5 3/4 146.1	2 3/8 60.3	2 15/16 74.6	2 11/16 68.3	1 1/16	13.4 6.08

For Standard Duty Bearing Inserts - SKWEZLOC Locking Collar see page G-93
For Take-Up Frames see pages G-76 to G-78.
For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
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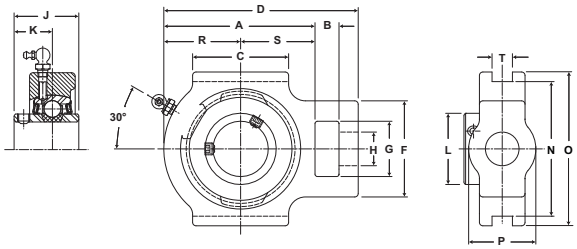
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



MST Series Medium Duty Take-Up Units - Setscrew Locking

Bore Diameter inch	Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B	C	D	F	G	H Core	J	K	N	O	P Hub	R	S	T	Unit Wt. lb/kg
15/16 1	25	MST-15 MST-16 MST-305	3-015 3-1 5305	4381 19487	3 7/16 87.3	5/8 15.9	2 1/4 57.2	4 7/16 112.7	2 3/16 55.6	1 7/16 36.5	7/8 22.2	1 1/2 38.1	7/8 22.2	3 1/2 88.9	4 101.6	1 3/4 44.5	1 11/16 42.9	1 3/4 44.5	17/32	3.4 1.54
1 3/16 1 1/4	30	MST-19 MST-20 MST-306	3-13 2-14 5306	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 11/16 42.9	1 25.4	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 15/16 49.2	17/32	4.0 1.81
1 7/16	35	MST-23 MST-307	3-17 5307	7340 32648	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	1 15/16 49.2	1 3/16 30.2	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/8 54.0	11/16	6.2 2.81
1 1/2	40	MST-24 MST-308	3-18 5308	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	1 15/16 49.2	1 3/16 30.2	4 101.6	4 5/8 117.5	2 3/16 55.6	2 1/4 57.2	2 1/16 52.4	11/16	6.2 2.81
1 11/16 1 3/4	45	MST-27 MST-28 MST-309	3-111 3-112 5309	7889 35090	4 1/2 114.3	3/4 19.1	3 3/8 85.7	5 7/8 149.2	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 1/32 51.6	1 9/32 32.5	4 101.6	4 5/8 117.5	2 3/16 55.6	2 5/16 58.7	2 3/16 55.6	11/16	6.4 2.90
1 15/16 2	50	MST-31 MST-32 MST-310	3-115 2-2 5310	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 3/16 55.6	1 5/16 33.3	5 1/8 130.2	5 3/4 146.1	2 1/4 57.2	2 9/16 65.1	2 7/16 61.9	11/16	10.0 4.54
2 3/16 2 1/4	55	MST-35 MST-36 MST-311	3-23 2-24 5311	11789 52437	5 5/8 142.9	1 1/4 31.8	4 101.6	7 5/8 193.7	4 101.6	2 1/2 63.5	1 3/8 34.9	2 9/16 65.1	1 9/16 39.7	5 1/8 130.2	5 3/4 146.1	2 3/8 60.3	2 15/16 74.6	2 11/16 68.3	1 1/16	12.3 5.58
2 7/16 2 1/2	65	MST-39 MST-40 MST-313	3-27 3-28 5313	13971 62143	6 3/4 171.5	1 1/4 31.8	4 3/4 120.7	8 13/16 223.8	4 3/8 111.1	2 3/4 69.9	1 5/8 41.3	2 3/4 69.9	1 11/16 42.9	5 15/16 150.8	6 9/16 166.7	3 3/8 85.7	3 7/16 87.3	3 5/16 84.1	1 1/16	19.5 8.85
2 11/16	70	MST-43 MST-314	3-211 5314	14839 66004	7 1/16 179.4	1 1/4 31.8	4 3/4 120.7	9 1/8 231.8	4 3/8 111.1	2 3/4 69.9	1 5/8 41.3	3 1/16 77.8	1 3/4 44.5	5 15/16 150.8	6 9/16 166.7	3 3/8 85.7	3 5/8 92.1	3 7/16 87.3	1 1/16	19.8 8.98
2 15/16 3	75	MST-47 MST-48 MST-315	3-215 3-3 5315	17412 77449	7 3/16 182.6	1 1/4 31.8	4 3/4 120.7	9 1/4 235.0	4 3/8 111.1	2 3/4 69.9	1 5/8 41.3	3 1/4 82.6	1 15/16 49.2	6 1/2 165.1	7 1/4 184.2	3 3/8 85.7	3 3/4 95.3	3 7/16 87.3	1 1/16	23.0 10.43
3 3/16 3 1/4	80	MST-51 MST-52 MST-316	3-33 2-34 5316	18681 83093	7 5/8 193.7	1 1/2 38.1	6 3/16 157.2	10 1/4 260.4	4 7/8 123.8	2 7/8 73.0	1 7/8 47.6	3 3/8 85.7	2 1/32 51.6	6 13/16 173.0	7 13/16 198.4	3 1/2 88.9	3 7/8 98.4	3 3/4 95.3	1 13/16	31.8 14.42
3 15/16 4	100	MST-63 MST-64 MST-320	3-315 3-4 5320	29905 133017	9 1/4 235.0	1 1/2 38.1	6 1/2 165.1	11 7/8 301.6	4 7/8 123.8	2 7/8 73.0	1 7/8 47.6	4 5/8 117.5	2 11/16 68.3	8 3/8 212.7	9 3/8 238.1	3 1/2 88.9	4 3/4 120.7	4 1/2 114.3	1 13/16	50.0 22.68

For Medium Duty Bearing Inserts-Single Lock see page G-95.
For Take-Up Frames see page G-78.

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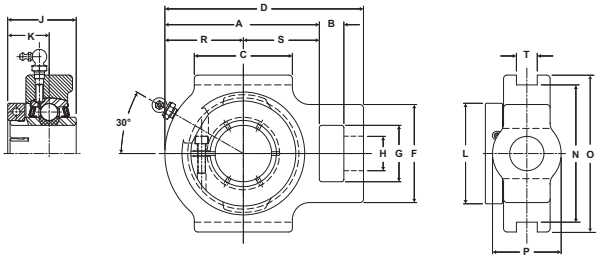
SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



MST-T Series Medium Duty Take-Up Units - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
				A	B	C	D	F	G	H Core	J	K	L	N	O	P Hub	R	S	T	
1	MST-16T	3-1T	4381 19487	3 7/16 87.3	5/8 15.9	2 1/4 57.2	4 7/16 112.7	2 3/16 55.6	1 7/16 36.5	7/8 22.2	1 9/16 39.7	15/16 23.8	2 1/16 52.4	3 1/2 88.9	4 101.6	1 3/4 44.5	1 11/16 42.9	1 3/4 44.5	17/32	3.6 1.63
1 3/16 1 1/4	MST-19T MST-20T	3-13T 2-14T	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 15/16 49.2	17/32	4.3 1.95
1 7/16	MST-23T	3-17T	7340 32648	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 1/4 31.8	2 11/16 68.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/8 54.0	11/16	6.3 2.86
1 1/2	MST-24T	3-18T	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 1/4 31.8	2 13/16 71.4	4 101.6	4 5/8 117.5	2 3/16 55.6	2 1/4 57.2	2 1/16 52.4	11/16	6.3 2.86
1 11/16 1 3/4	MST-27T MST-28T	3-111T 3-112T	7889 35090	4 1/2 114.3	3/4 19.1	3 3/8 85.7	5 7/8 149.2	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 3/32 53.2	1 11/32 34.1	3 1/4 82.6	4 101.6	4 5/8 117.5	2 3/16 55.6	2 5/16 58.7	2 3/16 55.6	11/16	6.6 2.99
1 15/16 2	MST-31T MST-32T	3-115T 2-2T	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5 1/8 130.2	5 3/4 146.1	2 1/4 57.2	2 9/16 65.1	2 7/16 61.9	1 1/16	10.4 4.72
2 3/16 2 1/4	MST-35T MST-36T	3-23T 2-24T	11789 52437	5 5/8 142.9	1 1/4 31.8	4 101.6	7 5/8 193.7	4 101.6	2 1/2 63.5	1 3/8 34.9	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5 1/8 130.2	5 3/4 146.1	2 3/8 60.3	2 15/16 74.6	2 11/16 68.3	1 1/16	13.4 6.08

For medium duty SKWEZLOC Locking Collar Bearing Inserts see page G-96.
For Take-Up Frames see page G-80.
For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard

Rolling Elements: Ball

Housing: Center Pull Take Up Frame & Take Up Housing

Self Alignment: +/- 2 Degrees

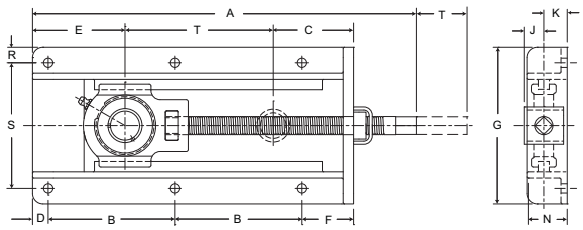
Lock: Setscrew

Optional Lock: SKWEZLOC Locking Collar

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



STH Center Pull Take Up Frames

Bore Diameter		Part No.	Housing Assembly Included	Bearing Insert No.	Dimensions inch / mm													Bolt Size	Unit Wt. lb/kg	Frame Only Part No.
inch	mm				T Travel	A	B	C	D	E	F	G	J	K	N	R	S			
7/8		STH-14-6	ST-14	2-014	6 152.4	15 381.0	4 5/8 117.5	3 1/4 82.6	3/4 19.1	3 1/4 82.6	2 1/2 63.5	7 9/16 192.1	13/16 20.6	1 1/8 28.6	1 3/4 44.5	3/4 19.1	6 1/16 154.0	3/8	11.6 5.3	STH 12 TO 16-6 DZU
		STH-14-9			9 228.6	18 457.2	6 1/8 155.6												13.6 6.2	STH 12 TO 16-9 DZU
15/16		STH-15-6	ST-15	2-015	6 152.4	15 381.0	4 5/8 117.5	3 1/4 82.6	3/4 19.1	3 1/4 82.6	2 1/2 63.5	7 9/16 192.1	13/16 20.6	1 1/8 28.6	1 3/4 44.5	3/4 19.1	6 1/16 154.0	3/8	11.6 5.3	STH 12 TO 16-6 DZU
		STH-15-9			9 228.6	18 457.2	6 1/8 155.6												13.6 6.2	STH 12 TO 16-9 DZU
	25	STH-205-6	ST-205	5205	6 152.4	15 381.0	4 5/8 117.5	3 1/4 82.6	3/4 19.1	3 1/4 82.6	2 1/2 63.5	7 9/16 192.1	13/16 20.6	1 1/8 28.6	1 3/4 44.5	3/4 19.1	6 1/16 154.0	3/8	11.6 5.3	STH 12 TO 16-6 DZU
		STH-205-9			9 228.6	18 457.2	6 1/8 155.6												13.6 6.2	STH 12 TO 16-9 DZU
1		STH-16-6	ST-16	2-1	6 152.4	15 381.0	4 5/8 117.5	3 1/4 82.6	3/4 19.1	3 1/4 82.6	2 1/2 63.5	7 9/16 192.1	13/16 20.6	1 1/8 28.6	1 3/4 44.5	3/4 19.1	6 1/16 154.0	3/8	11.6 5.3	STH 12 TO 16-6 DZU
		STH-16-9			9 228.6	18 457.2	6 1/8 155.6												13.6 6.2	STH 12 TO 16-9 DZU
1 1/8		STH-18-6	ST-18	2-12	6 152.4	16 1/8 409.6	5 127.0	3 1/2 88.9	3/4 19.1	3 3/4 95.3	2 1/2 63.5	8 1/16 204.8	7/8 22.2	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	14.1 6.4	STH 17 TO 16-6 DZU
		STH-18-9			9 228.6	19 1/8 485.8	6 1/2 165.1												17.4 7.9	STH 17 TO 16-9 DZU
	30	STH-206-6	ST-206	5206	6 152.4	16 1/8 409.6	5 127.0	3 1/2 88.9	3/4 19.1	3 3/4 95.3	2 1/2 63.5	8 1/16 204.8	7/8 22.2	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	14.1 6.4	STH 17 TO 19-6 DZU
		STH-206-9			9 228.6	19 1/8 485.8	6 1/2 165.1												16 7.3	STH 17 TO 19-9 DZU
1 3/16		STH-19-6	ST-19	2-13	6 152.4	16 1/8 409.6	5 127.0	3 1/2 88.9	3/4 19.1	3 3/4 95.3	2 1/2 63.5	8 1/16 204.8	7/8 22.2	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	14.1 6.4	STH 17 TO 19-6 DZU
		STH-19-9			9 228.6	19 1/8 485.8	6 1/2 165.1												16 7.3	STH 17 TO 19-9 DZU
1 1/4		STH-20-9	ST-20	2-14	9 228.6	19 11/16 500.1	6 13/16 173.0	3 7/8 98.4	3/4 19.1	4 101.6	2 1/2 63.5	8 1/16 204.8	1 25.4	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	16 7.3	STH 20 TO 23-9 DZU
		STH-20-12			12 304.8	22 11/16 576.3	8 5/16 211.1												19.5 8.8	STH 20 TO 23-12 DZU
1 3/8		STH-22-9	ST-22	2-16	9 228.6	19 11/16 500.1	6 13/16 173.0	3 7/8 98.4	3/4 19.1	4 101.6	2 1/2 63.5	8 1/16 204.8	1 25.4	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	17.4 7.9	STH 20 TO 23-9 DZU
		STH-22-12			12 304.8	22 11/16 576.3	8 5/16 211.1												19.5 8.8	STH 20 TO 23-12 DZU
	35	STH-207-9	ST-207	5207	9 228.6	19 11/16 500.1	6 13/16 173.0	3 7/8 98.4	3/4 19.1	4 101.6	2 1/2 63.5	8 1/16 204.8	1 25.4	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	17.4 7.9	STH 20 TO 23-9 DZU
		STH-207-12			12 304.8	22 11/16 576.3	8 5/16 211.1												19.5 8.8	STH 20 TO 23-12 DZU
1 7/16		STH-23-9	ST-23	2-17	9 228.6	19 11/16 500.1	6 13/16 173.0	3 7/8 98.4	3/4 19.1	4 101.6	2 1/2 63.5	8 1/16 204.8	1 25.4	1 1/4 31.8	1 3/4 44.5	3/4 19.1	6 9/16 166.7	3/8	17.4 7.9	STH 20 TO 23-9 DZU
		STH-23-12			12 304.8	22 11/16 576.3	8 5/16 211.1												19.5 8.8	STH 20 TO 23-12 DZU
1 1/2		STH-24-12	ST-24	2-18	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-24-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32 14.5	STH 24 TO 28-18 DZU

See notes on page G-78.

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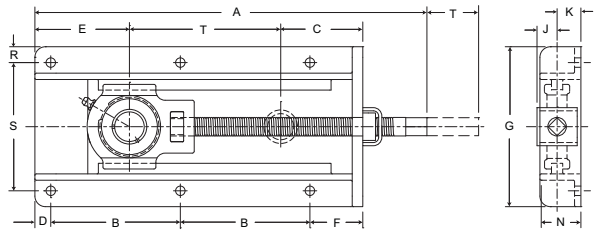
SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Center Pull Take Up Frame & Take Up Housing
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Optional Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



STH Center Pull Take Up Frames

Bore Diameter		Part No.	Housing Assembly Included	Bearing Insert No.	Dimensions inch / mm												Bolt Size	Unit Wt. lb/kg	Frame Only Part No.
inch	mm				T Travel	A	B	C	D	E	F	G	J	K	N	R	S		
1 9/16		STH-25-12	ST-25	2-19	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-25-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32.0 14.5	STH 24 TO 28-18 DZU
	40	STH-208-12	ST-208	5208	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-208-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32.0 14.5	STH 24 TO 28-18 DZU
1 5/8		STH-26-12	ST-26	2-110	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-26-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32.0 14.5	STH 24 TO 28-18 DZU
1 11/16		STH-27-12	ST-27	2-111	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-27-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32.0 14.5	STH 24 TO 28-18 DZU
1 3/4		STH-28-12	ST-28	2-112	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-28-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32.0 14.5	STH 24 TO 28-18 DZU
	45	STH-209-12	ST-209	5209	12 304.8	23 9/16 598.5	8 9/16 217.5	4 1/4 108.0	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 3/16 30.2	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	3/8	27.2 12.3	STH 24 TO 28-12 DZU
		STH-209-18			18 457.2	29 9/16 750.9	11 9/16 293.7												32.0 14.5	STH 24 TO 28-18 DZU
1 7/8		STH-30-12	ST-30	2-114	12 304.8	23 11/16 601.7	8 5/8 219.1	4 3/8 111.1	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 9/32 32.5	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	1/2	27.2 12.3	STH 30 TO 31-12 DZU
		STH-30-18			18 457.2	29 11/16 754.1	11 5/8 295.3												33.0 15.0	STH 30 TO 31-18 DZU
1 15/16		STH-31-12	ST-31	2-115	12 304.8	23 11/16 601.7	8 5/8 219.1	4 3/8 111.1	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 9/32 32.5	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	1/2	27.2 12.3	STH 30 TO 31-12 DZU
		STH-31-18			18 457.2	29 11/16 754.1	11 5/8 295.3												33.0 15.0	STH 30 TO 31-18 DZU
	50	STH-210-12	ST-210	5210	12 304.8	23 11/16 601.7	8 5/8 219.1	4 3/8 111.1	7/8 22.2	4 1/4 108.0	2 1/2 63.5	9 5/16 236.5	1 9/32 32.5	1 3/8 34.9	2 50.8	7/8 22.2	7 9/16 192.1	1/2	27.2 12.3	STH 30 TO 31-12 DZU
		STH-210-18			18 457.2	29 11/16 754.1	11 5/8 295.3												33.0 15.0	STH 30 TO 31-18 DZU
2		STH-32-12	ST-32	2-2	12 304.8	24 13/16 630.2	9 1/16 230.2	4 7/8 123.8	7/8 22.2	4 1/2 114.3	2 3/8 60.3	11 3/16 284.2	1 5/16 33.3	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	41.6 18.9	STH 32 TO 35-12 DZU
		STH-32-18			18 457.2	30 13/16 782.6	12 1/16 306.4												50.6 23.0	STH 32 TO 35-18 DZU
2 1/8		STH-34-12	ST-34	2-22	12 304.8	24 13/16 630.2	9 1/16 230.2	4 7/8 123.8	7/8 22.2	4 1/2 114.3	2 3/8 60.3	11 3/16 284.2	1 5/16 33.3	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	41.6 18.9	STH 32 TO 35-12 DZU
		STH-34-18			18 457.2	30 13/16 782.6	12 1/16 306.4												50.6 23.0	STH 32 TO 35-18 DZU
	55	STH-211-12	ST-211	5211	12 304.8	24 13/16 630.2	9 1/16 230.2	4 7/8 123.8	7/8 22.2	4 1/2 114.3	2 3/8 60.3	11 3/16 284.2	1 5/16 33.3	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	41.6 18.9	STH 32 TO 35-12 DZU
		STH-211-18			18 457.2	30 13/16 782.6	12 1/16 306.4												50.6 23.0	STH 32 TO 35-18 DZU

See notes on page G-78.

Metric dimensions for reference only.
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Optional Lock: SKWEZLOC Locking Collar

Seal: Felt

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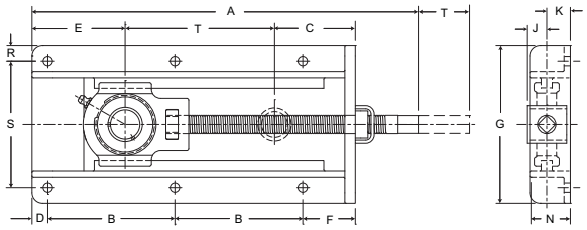
Temperature: -20° to 220°F



STH Center Pull Take Up Frames

Bore Diameter inch	Bore Diameter mm	Part No.	Housing Assembly Included	Bearing Insert No.	Dimensions inch / mm T Travel	A	B	C	D	E	F	G	J	K	N	R	S	Bolt Size	Unit Wt. lb/kg	Frame Only Part No.
2 3/16		STH-35-12	ST-35	2-23	12 304.8	24 13/16 630.2	9 1/16 230.2	4 7/8 123.8	7/8 22.2	4 1/2 114.3	2 3/8 60.3	11 3/16 284.2	1 5/16 33.3	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	41.6 18.9	STH 32 TO 35-12 DZU
		STH-35-18			18 457.2	30 13/16 782.6	12 1/16 306.4												50.6 23.0	STH 32 TO 35-18 DZU
2 1/4		STH-36-12	ST-36	2-24	12 304.8	25 9/16 649.3	9 9/16 242.9	5 3/8 136.5	7/8 22.2	5 127.0	2 3/8 60.3	11 3/16 284.2	1 9/16 39.7	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	45.0 20.4	STH 36 TO 39-12 DZU
		STH-36-18			18 457.2	31 9/16 801.7	12 9/16 319.1												53.0 24.0	STH 36 TO 39-18 DZU
	60	STH-212-12	ST-212	5212	12 304.8	25 9/16 649.3	9 9/16 242.9	5 3/8 136.5	7/8 22.2	5 127.0	2 3/8 60.3	11 3/16 284.2	1 9/16 39.7	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	45.0 20.4	STH 36 TO 39-12 DZU
		STH-212-18			18 457.2	31 9/16 801.7	12 9/16 319.1												53.0 24.0	STH 36 TO 39-18 DZU
2 3/8		STH-38-12	ST-38	2-26	12 304.8	25 9/16 649.3	9 9/16 242.9	5 3/8 136.5	7/8 22.2	5 127.0	2 3/8 60.3	11 3/16 284.2	1 9/16 39.7	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	45.0 20.4	STH 36 TO 39-12 DZU
		STH-38-18			18 457.2	31 9/16 801.7	12 9/16 319.1												53.0 24.0	STH 36 TO 39-18 DZU
2 7/16		STH-39-12	ST-39	2-27	12 304.8	25 9/16 649.3	9 9/16 242.9	5 3/8 136.5	7/8 22.2	5 127.0	2 3/8 60.3	11 3/16 284.2	1 9/16 39.7	1 1/2 38.1	2 1/2 63.5	7/8 22.2	9 7/16 239.7	1/2	45.0 20.4	STH 36 TO 39-12 DZU
		STH-39-18			18 457.2	31 9/16 801.7	12 9/16 319.1												53.0 24.0	STH 36 TO 39-18 DZU
2 1/2		STH-40-12	ST-40	3-28	12 304.8	27 1/2 698.5	10 1/4 260.4	6 3/16 157.2	7/8 22.2	5 11/16 144.5	2 1/2 63.5	12 304.8	1 11/16 42.9	2 50.8	3 76.2	7/8 22.2	10 1/4 260.4	5/8	62.5 28.3	STH 40 TO 47-12 DZU
		STH-40-18			18 457.2	33 1/2 850.9	13 1/4 336.6												73.7 33.4	STH 40 TO 47-18 DZU
2 11/16		STH-43-12	ST-43	2-211	12 304.8	27 1/2 698.5	10 1/4 260.4	6 3/16 157.2	7/8 22.2	5 11/16 144.5	2 1/2 63.5	12 304.8	1 11/16 42.9	2 50.8	3 76.2	7/8 22.2	10 1/4 260.4	5/8	62.5 28.3	STH 40 TO 47-12 DZU
		STH-43-18			18 457.2	33 1/2 850.9	13 1/4 336.6												73.7 33.4	STH 40 TO 47-18 DZU
	70	STH-214-12	ST-214	5214	12 304.8	27 1/2 698.5	10 1/4 260.4	6 3/16 157.2	7/8 22.2	5 11/16 144.5	2 1/2 63.5	12 304.8	1 11/16 42.9	2 50.8	3 76.2	7/8 22.2	10 1/4 260.4	5/8	62.5 28.3	STH 40 TO 47-12 DZU
		STH-214-18			18 457.2	33 1/2 850.9	13 1/4 336.6												73.7 33.4	STH 40 TO 47-18 DZU
2 7/8		STH-46-12	ST-46	2-214	12 304.8	27 1/2 698.5	10 1/4 260.4	6 3/16 157.2	7/8 22.2	5 11/16 144.5	2 1/2 63.5	12 304.8	1 3/4 44.5	2 50.8	3 76.2	7/8 22.2	10 1/4 260.4	5/8	62.5 28.3	STH 40 TO 47-12 DZU
		STH-46-18			18 457.2	33 1/2 850.9	13 1/4 336.6												73.7 33.4	STH 40 TO 47-18 DZU
2 15/16		STH-47-12	ST-47	2-215	12 304.8	27 1/2 698.5	10 1/4 260.4	6 3/16 157.2	7/8 22.2	5 11/16 144.5	2 1/2 63.5	12 304.8	1 3/4 44.5	2 50.8	3 76.2	7/8 22.2	10 1/4 260.4	5/8	62.5 28.3	STH 40 TO 47-12 DZU
		STH-47-18			18 457.2	33 1/2 850.9	13 1/4 336.6												73.7 33.4	STH 40 TO 47-18 DZU
	75	STH-215-12	ST-215	5215	12 304.8	27 1/2 698.5	10 1/4 260.4	6 3/16 157.2	7/8 22.2	5 11/16 144.5	2 1/2 63.5	12 304.8	1 3/4 44.5	2 50.8	3 76.2	7/8 22.2	10 1/4 260.4	5/8	62.5 28.3	STH 40 TO 47-12 DZU
		STH-215-18			18 457.2	33 1/2 850.9	13 1/4 336.6												73.7 33.4	STH 40 TO 47-18 DZU

The STH series style H, are side mounting frame take-up units designed to incorporate the ST series take-up units (see pages G-72 to G-74), as indicated in the accompanying charts.
They are used where shaft adjustment and/or belt tightening is required in conveyor applications. They are manufactured from heavy gauge structural steel members and equipped with heavy duty Acme (square) threads for positive action.
Adjustment is made by turning the square head with an open end wrench.
For SKWEZLOC Locking Collar add T suffix example STH-23T-12
For Contact Seal add C suffix example STH-23C-12

Bearing Selection Page G-3 | Nomenclature Aid Page G-18 | Features & Benefits Page G-21 | Product Options Page G-23 | Technical Engineering Page G-220

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

Housing: Cast Iron Center Pull Take Up Frame & Take Up Housing

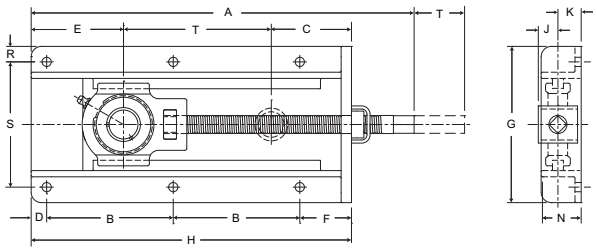
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F



MSTH Center Pull Take Up Frames

Bore Diameter inch	Part No.	Housing Assembly Included	Bearing Insert No.	Dimensions inch / mm														Bolt Size	Unit Wt. lb/kg	Frame Only Part No.
				T Travel	A	B	C	D	E	F	G	H	J	K	N	R	S			
1 11/16	MSTH-31-12	MST-31	3-115	12	23 11/16	8 5/8	4 3/8	7/8	4 1/4	2 1/2	9 5/16	20 5/8	1 9/32	1 1/2	2 1/2	7/8	9 7/16	1/2	41.6	STH 32 TO 35-12
2	MSTH-32-12	MST-32	2-2	304.8	630.2	230.2	123.8	22.2	114.3	60.3	284.2	542.9	33.3	38.1	63.5	22.2	239.7		18.9	
2 7/16	MSTH-39-12	MST-39	3-27	12	25 9/16	9 9/16	5 3/8	7/8	5	2 3/8	11 3/16	22 3/8	1 9/16	1 1/2	2 1/2	7/8	9 7/16	5/8	62.5	STH 40 TO 47-12
2 1/2	MSTH-40-12	MST-40	3-28	304.8	698.5	260.4	157.2	22.2	144.5	63.5	304.8	606.4	44.5	50.8	76.2	22.2	260.4		28.3	

The MSTH series style H, are side mounting take-up units designed to incorporate MST series take-up units (see page G-80) as indicated in the table above. They are used where shaft adjustment and/or belt tightening is required in conveyor applications. They are manufactured from heavy gauge structural steel members and equipped with heavy duty Acme (square) threads for positive action. Adjustment is made by turning the square head with an open wrench.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

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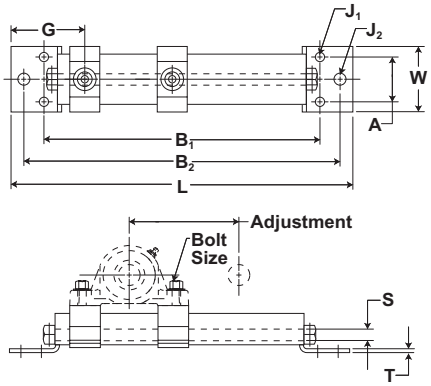

TF and TFS Series Standard Duty Top Mount Take-Up Frame

Bore Diameter Range	Frame Part No.	Adjustment	Dimensions Inch / Mm												Bolt Size	Unit Wt. lb/kg
			L	B1	B2	W	A	G MIN	H	J1	J2	R	S	T		
3/4 - 1”	6TF16	6 152.4	17 1/8 435.0	13 7/8 352.4	15 7/8 403.2	3 1/4 82.6	2 1/4 57.2	3 5/16 84.1	2 3/8 60.3	7/16 11.1	9/16 14.3	9/16 14.3	5/8 15.9	3/16 4.8	3/8 10	6.0 2.72
	9TF16	9 228.6	20 1/8 511.2	16 7/8 428.6	18 7/8 479.4	3 1/4 82.6	2 1/4 57.2	3 5/16 84.1	2 3/8 60.3	7/16 11.1	9/16 14.3	9/16 14.3	5/8 15.9	3/16 4.8	3/8 10	6.7 3.04
1 1/16 - 1 15/16”	6TF31	6 152.4	18 3/16 462.0	15 7/16 392.1	16 15/16 430.2	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	8.9 4.04
	9TF31	9 228.6	22 5/8 574.7	19 7/8 504.8	21 3/8 542.9	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	10.3 4.67
	12TF31	12 304.8	24 3/16 614.4	21 7/16 544.5	22 15/16 582.6	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	10.9 4.94
	18TF31	18 457.2	31 5/8 803.3	28 7/8 733.4	30 3/8 771.5	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	13.3 6.03
2 - 2 7/16”	12TF39	12 304.8	28 711.2	24 3/4 628.7	26 3/4 679.5	4 1/2 114.3	3 76.2	4 101.6	3 5/16 84.1	9/16 14.3	11/16 17.5	15/16 23.8	1 25.4	1/4 6.4	5/8 16	18.3 8.30
	18TF39	18 457.2	34 863.6	30 3/4 781.1	32 3/4 831.9	4 1/2 114.3	3 76.2	4 101.6	3 5/16 84.1	9/16 14.3	11/16 17.5	15/16 23.8	1 25.4	1/4 6.4	5/8 16	21.20 9.62
2 1/4 - 2 7/16”	12TFS39	12 304.8	31 787.4	30 762	-	4 1/2 114.3	3 76.2	3 1/2 88.9	3 76.2	5/8 16	-	-	1 25.4	1/3 8.5	3/4 16	25.66 11.64
	18TFS39	18 457.2	37 939.8	36 914.4	-	4 1/2 114.3	3 76.2	3 1/2 88.9	3 76.2	5/8 16	-	-	1 25.4	1/3 8.5	3/4 16	29.18 13.24

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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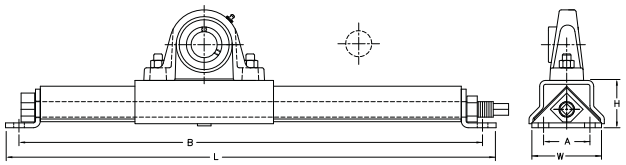

TF/TFS Design

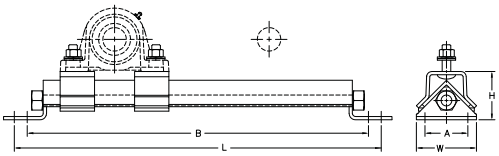

Table of Legacy Sealmaster Top Mount Take Up Frame to Replacement Frame

			Dimensions						Dimensions				
Old Assembly	Housing Only	Old Frame Only	A	B	H	L	W	Replacement Frame	A	B	H	L	W
NPG-14-6	NP-14	NPG 14 TO 16-6 DZW	2.50	18.00	2.31	19.50	3.75	6TF16	2.25	13.88	2.38	17.13	3.25
NPG-14-9		NPG 14 TO 16-9 DZW	2.50	21.00	2.31	22.50	3.75	9TF16	2.25	16.88	2.38	20.13	3.25
NPG-15-6	NP-15	NPG 14 TO 16-6 DZW	2.50	18.00	2.31	19.50	3.75	6TF16	2.25	13.88	2.38	17.13	3.25
NPG-15-9		NPG 14 TO 16-9 DZW	2.50	21.00	2.31	22.50	3.75	9TF16	2.25	16.88	2.38	20.13	3.25
NPG-16-6	NP-16	NPG 14 TO 16-6 DZW	2.50	18.00	2.31	19.50	3.75	6TF16	2.25	13.88	2.38	17.13	3.25
NPG-16-9		NPG 14 TO 16-9 DZW	2.50	21.00	2.31	22.50	3.75	9TF16	2.25	16.88	2.38	20.13	3.25
NPG-205-6	NP-205	NPG 14 TO 16-6 DZW	2.50	18.00	2.31	19.50	3.75	6TF16	2.25	13.88	2.38	17.13	3.25
NPG-205-9		NPG 14 TO 16-9 DZW	2.50	21.00	2.31	22.50	3.75	9TF16	2.25	16.88	2.38	20.13	3.25
NPG-18-6	NP-18	NPG 17 TO 19-6 DZW	2.50	19.00	2.31	20.50	3.75	6TF31	2.50	15.44	2.81	18.19	3.50
NPG-18-9		NPG 17 TO 19-9 DZW	2.50	22.00	2.31	23.50	3.75	9TF31	2.50	19.88	2.81	22.63	3.50
NPG19-6	NP-19	NPG 17 TO 19-6 DZW	2.5	19.00	2.31	20.50	3.75	6TF31	2.5	15.44	2.81	18.19	3.50
NPG19-9		NPG 17 TO 19-9 DZW	2.5	22.00	2.31	23.50	3.75	9TF31	2.5	19.88	2.81	22.63	3.50
NPG-206-6	NP-206	NPG 17 TO 19-6 DZW	2.50	19.00	2.31	20.50	3.75	6TF31	2.50	15.44	2.81	18.19	3.50
NPG-206-9		NPG 17 TO 19-9 DZW	2.50	22.00	2.31	23.50	3.75	9TF31	2.50	19.88	2.81	22.63	3.50
NPG-20-9	NP-20	NPG 20 TO 23-9 DZW	2.50	25.25	2.31	23.75	3.75	9TF31	2.50	19.88	2.81	22.63	3.50
NPG-20-12		NPG 20 TO 23-12 DZW	2.50	22.25	2.31	26.75	3.75	12TF31	2.50	21.44	2.81	24.19	3.50
NPG-22-9	NP-22	NPG 20 TO 23-9 DZW	2.50	25.25	2.31	23.75	3.75	9TF31	2.50	19.88	2.81	22.63	3.50
NPG-22-12		NPG 20 TO 23-12 DZW	2.50	22.25	2.31	26.75	3.75	12TF31	2.50	21.44	2.81	24.19	3.50
NPG-23-9	NP-23	NPG 20 TO 23-9 DZW	2.5	25.25	2.31	23.75	3.75	9TF31	2.50	19.88	2.81	22.63	3.50
NPG-23-12		NPG 20 TO 23-12 DZW	2.5	22.25	2.31	26.75	3.75	12TF31	2.50	21.44	2.81	24.19	3.50
NPG-207-9	NP-207	NPG 20 TO 23-9 DZW	2.50	25.25	2.31	23.75	3.75	9TF31	2.50	19.88	2.81	22.63	3.50
NPG-207-12		NPG 20 TO 23-12 DZW	2.50	22.25	2.31	26.75	3.75	12TF31	2.50	21.44	2.81	24.19	3.50
NPG-24-12	NP-24	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-24-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50
NPG-25-12	NP-25	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-25-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50
NPG-208-12	NP-208	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-208-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50
NPG-26-12	NP-26	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-26-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50
NPG-27-12	NP-27	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-27-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50

Note: Housing must be ordered separately.

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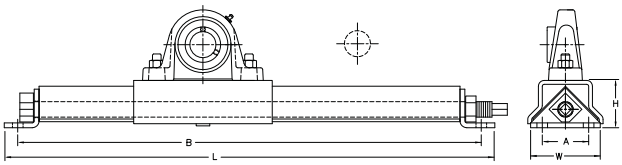

TF/TFS Design

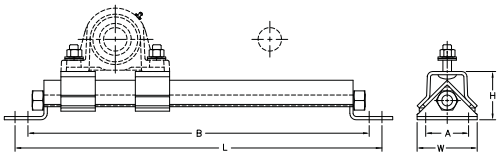

Table of Legacy Sealmaster Top Mount Take Up Frame to Replacement Frame

			Dimensions						Dimensions				
Old Assembly	Housing Only	Old Frame Only	A	B	H	L	W	Replacement Frame	A	B	H	L	W
NPG-28-12	NP-28	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-28-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50
NPG-209-12	NP-209	NPG 24 TO 28-12 DZW	2.50	26.00	2.31	27.50	3.75	12TF31	2.50	21.44	2.81	21.19	3.50
NPG-209-18		NPG 24 TO 28-18 DZW	2.50	32.00	2.31	33.50	3.75	18TF31	2.50	28.88	2.81	31.63	3.50
NPG-30-12	NP-30	NPG 30 T0 31-12 DZW	2.50	24.00	2.31	28.25	3.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-30-18		NPG 30 T0 31-18 DZW	2.50	30.00	2.31	34.25	3.75	18TF39	3.00	30.75	3.31	34.00	4.50
NPG-31-12	NP-31	NPG 30 T0 31-12 DZW	2.50	24.00	2.31	28.25	3.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-31-18		NPG 30 T0 31-18 DZW	2.50	30.00	2.31	34.25	3.75	18TF39	3.00	30.75	3.31	34.00	4.50
NPG-210-12	NP-210	NPG 30 T0 31-12 DZW	2.50	24.00	2.31	28.25	3.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-210-18		NPG 30 T0 31-18 DZW	2.50	30.00	2.31	34.25	3.75	18TF39	3.00	30.75	3.31	34.00	4.50
NPG-32-12	NP-32	NPG 32 TO 35-12 DZW	3.00	24.50	2.69	29.00	4.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-32-18		NPG 32 TO 35-18 DZW	3.00	30.50	2.69	35.00	4.75	18TF39	3.00	30.75	3.31	34.00	4.50
NPG-34-12	NP-34	NPG 32 TO 35-12 DZW	3.00	24.50	2.69	29.00	4.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-34-18		NPG 32 TO 35-18 DZW	3.00	30.50	2.69	35.00	4.75	18TF39	3.00	30.75	3.31	34.00	4.50
NPG-211-12	NP-211	NPG 32 TO 35-12 DZW	3.00	24.50	2.69	29.00	4.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-211-18		NPG 32 TO 35-18 DZW	3.00	30.50	2.69	35.00	4.75	18TF39	3.00	30.75	3.31	34.00	4.50
NPG-35-12	NP-35	NPG 32 TO 35-12 DZW	3.00	24.50	2.69	29.00	4.75	12TF39	3.00	24.75	3.31	28.00	4.50
NPG-35-18		NPG 32 TO 35-18 DZW	3.00	30.50	2.69	35.00	4.75	18TF39	3.00	30.75	3.31	34.00	4.50
SPG-36-12	SP-36	SPG 36 TO 39-12 DZW	3.00	30.00	2.69	31.75	4.75	12TFS39	3.00	30.00	3.06	31.75	4.50
SPG-36-18		SPG 36 TO 39-18 DZW	3.00	36.00	2.69	37.75	4.75	18TFS39	3.00	36.00	3.06	37.75	4.50
SPG-38-12	SP-38	SPG 36 TO 39-12 DZW	3.00	30.00	2.69	31.75	4.75	12TFS39	3.00	30	3.06	31.75	4.50
SPG-38-18		SPG 36 TO 39-18 DZW	3.00	36.00	2.69	37.75	4.75	18TFS39	3.00	36	3.06	37.75	4.50
SPG-39-12	SP-39	SPG 36 TO 39-12 DZW	3.00	30.00	2.69	31.75	4.75	12TFS39	3.00	30	3.06	31.75	4.50
SPG-39-18		SPG 36 TO 39-18 DZW	3.00	36.00	2.69	37.75	4.75	18TFS39	3.00	36	3.06	37.75	4.50
SPG-212-12	SP-212	SPG 36 TO 39-12 DZW	3.00	30.00	2.69	31.75	4.75	12TFS39	3.00	30	3.06	31.75	4.50
SPG-212-18		SPG 36 TO 39-18 DZW	3.00	36.00	2.69	37.75	4.75	18TFS39	3.00	36	3.06	37.75	4.50

Note: Housing must be ordered separately.

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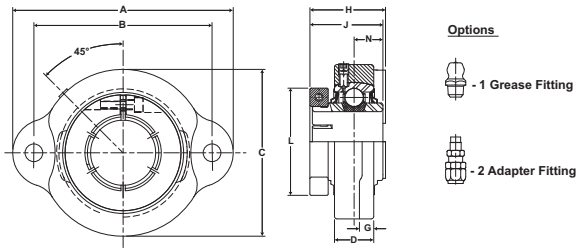
SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Ductile Iron Two Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Concentric
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



TFT-T Series Standard Duty Two-Bolt Flange Units - SKWEZLOC Locking Collar

Bore Diameter inch	Part No. Standard With Plug	With Grease Fitting	With Adapter Fitting	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B	C	D	H	K	L	N	Bolt Size	Unit Wt. lb/kg
15/16	TFT-15TC	TFT-15TC-1	TFT-15TC-2	2-015TC	2801	3 3/4	3	2 3/4	11/16	1 1/2	1 7/16	1 15/16	9/16	3/8	1.6
1	TFT-16TC	TFT-16TC-1	TFT-16TC-2	2-1TC	12459	95.3	76.2	69.9	17.5	38.1	36.5	49.2	14.3		0.73
1 1/8	TFT-18TC	TFT-18TC-1	TFT-18TC-2	2-12TC											
1 3/16	TFT-19TC	TFT-19TC-1	TFT-19TC-2	2-13TC	4381	4 7/16	3 9/16	3 1/4	13/16	1 5/8	1 9/16	2 3/16	5/8	3/8	2.3
1 1/4	TFT-20RT*	TFT-20RT*	TFT-20RT*	1-14T	19487	112.7	90.5	82.6	20.6	41.3	39.7	55.6	15.9		1.04
1 1/4	TFT-20TC	TFT-20TC-1	TFT-20TC-2	2-14TC	5782	4 7/8	3 15/16	3 11/16	7/8	1 13/16	1 3/4	2 7/16	11/16	3/8	3
					25718	123.8	100.0	93.7	22.2	46.0	44.5	61.9	17.5		1.36
1 3/8	TFT-22TC	TFT-22TC-1	TFT-22TC-2	2-16TC	5782	4 7/8	3 15/16	3 11/16	7/8	1 13/16	1 3/4	2 9/16	11/16	3/8	3
1 7/16	TFT-23TC	TFT-23TC-1	TFT-23TC-2	2-17TC	25718	123.8	100.0	93.7	22.2	46.0	44.5	65.1	17.5		1.36

For standard duty SKWEZLOC Locking Collar Bearing inserts, see page G-93.
*1 1/4 Reduced not available with contact seal, felt only.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Performance Mounted Ball Bearings

SEALMASTER®

Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel Rubber Mounted Flange

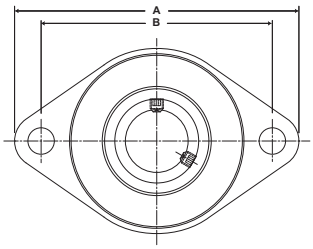
Lock: Setscrew

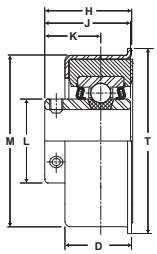
Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F

Relube: No





SRF Series Light Duty Rubber Mounted Flange Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Max. Steady Radial Loads lb/N	Dimensions inch / mm									Bolt Size	Unit Wt. lb/kg
				A	B	D	H	J	K	M	T	Hole Size		
1/2	SRF-8	SRC-8	400 1779	4 1/2 114.3	3 5/8 92.1	1 3/32 27.8	1 3/8 34.9	1 9/32 32.5	7/8 22.2	2 41/64 67.1	2 45/64 68.7	7/16 11.1	3/8	.75 .34
5/8	SRF-10	SRC-10												
3/4	SRF-12	SRC-12												
7/8	SRF-14	SRC-14	400 1779	4 1/2 114.3	3 5/8 92.1	1 3/32 27.8	1 3/8 34.9	1 3/8 34.9	7/8 22.2	2 41/64 67.1	2 45/64 68.7	7/16 11.1	3/8	.85 .39
15/16	SRF-15	SRC-15												
1	SRF-16	SRC-16												
1 1/8	SRF-18	SRC-18	600 2669	5 3/8 136.5	4 3/8 111.1	1 1/4 31.8	1 21/32 42.1	1 5/8 41.3	1 1/16 27.0	3 1/4 82.6	3 1/2 88.9	1/2 12.7	7/16	1.50 .68
1 3/16	SRF-19	SRC-19												
1 1/4	SRF-20R	SRC-20R												

Maximum steady radial load is based upon the housing strength and materials composition. Thrust load ratings 40% of radial loads..

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SEALMASTER® Performance Mounted Ball Bearings

Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel Rubber Mounted Pillow Block

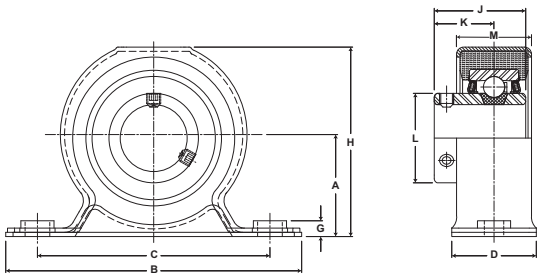
Lock: Setscrew

Seal: Felt

Optional Seal: Contact

Temperature: -20° to 220°F

Relube: No



SRP Series Light Duty Rubber Mounted Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Max. Steady Radial Loads lb/N	Dimensions inch / mm A	B	C	D	G	H	J	K	M	Hole Size	Bolt Size	Unit Wt. lb/kg
1/2	SRP-8	SRC-8													
5/8	SRP-10	SRC-10	200 890	1 1/2 38.1	4 3/4 120.7	3 5/8 92.1	1 5/16 33.3	11/64 4.4	2 13/16 71.4	1 9/32 32.5	7/8 22.2	1 1/8 28.6	7/16 11.1	3/8	.85 .39
3/4	SRP-12	SRC-12													
7/8	SRP-14	SRC-14													
15/16	SRP-15	SRC-15	200 890	1 1/2 38.1	4 3/4 120.7	3 5/8 92.1	1 5/16 33.3	11/64 4.4	2 13/16 71.4	1 3/8 34.9	7/8 22.2	1 1/8 28.6	7/16 11.1	3/8	1 .45
1	SRP-16	SRC-16													
1 1/8	SRP-18	SRC-18													
1 3/16	SRP-19	SRC-19	300 1334	1 3/4 44.5	5 1/4 133.4	4 1/8 104.8	1 1/2 38.1	7/32 5.6	3 3/8 85.7	1 5/8 41.3	1 1/16 27.0	1 11/32 34.1	7/16 11.1	3/8	1.6 .73
1 1/4	SRP-20R	SRC-20R													

Maximum steady radial load is based upon the housing strength and materials composition. Thrust load rating 40% of radial loads.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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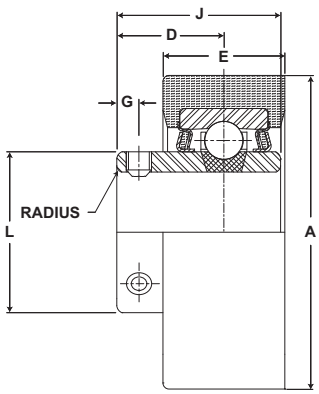
SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Ball Bearings

SEALMASTER®

Duty: Light
Rolling Elements: Ball
Housing: Rubber Mounted Insert
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F
Relube: No



SRC Series Light Duty Rubber Mounted Cartridge Units - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Max. Steady Radial Loads lb/N	Dimensions inch / mm						Unit Wt. lb/kg
				A	D	E	G	L	J	
1/2	SRC-8	RB-8								
5/8	SRC-10	RB-10	200 890	2 17/32 64.3	7/8 22.2	1 25.4	3/16 4.8	1 3/16 30.2	1 9/32 32.5	.60 .27
3/4	SRC-12	RB-12								
7/8	SRC-14	RB-14								
15/16	SRC-15	RB-15	200 890	2 17/32 64.3	7/8 22.2	1 25.4	3/16 4.8	1 3/8 34.9	1 3/8 34.9	.65 .29
1	SRC-16	RB-16								
1 1/8	SRC-18	RB-18								
1 3/16	SRC-19	RB-19	300 1334	3 3/32 78.6	1 1/16 27.0	1 13/64 30.6	7/32 5.6	1 19/32 40.5	1 5/8 41.3	1.00 .45
1 1/4	SRC-20R	RB-20R								

Maximum steady radial load is based upon the housing strength and materials composition. Thrust load ratings 40% of radial loads.

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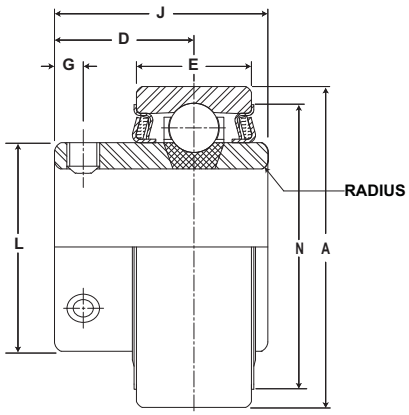
SEALMASTER® Performance Mounted Ball Bearings

Duty: Light
Rolling Elements: Ball
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F
Relube: No



RB Series Bearing Assemblies

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	D	E	G	J	L	N	Max. Rad. to Clear	Setscrew Thread	Unit Wt. lb/kg
1/2 5/8 3/4	RB-8 RB-10 RB-12	2611 11614	1.850 47.00	7/8 22.2	5/8 15.9	3/16 4.8	1 9/32 32.5	1 3/16 30.2	1 5/8 41.3	.040 1.02	1/4-28	.50 .23
7/8 15/16 1	RB-14 RB-15 RB-16	2801 12459	2.047 52.00	7/8 22.2	3/4 19.1	3/16 4.8	1 3/8 34.9	1 3/8 34.9	1 55/64 47.2	.040 1.02	1/4-28	.60 .27
1 1/8 1 3/16 1 1/4	RB-18 RB-19 RB-20R	4381 19487	2.441 62.00	1 1/16 27.0	7/8 22.2	7/32 5.6	1 5/8 41.3	1 9/32 32.5	1 19/32 40.5	.040 1.02	1/4-28	.90 .41

Outside diameter may be oversized due to seal press fit.
Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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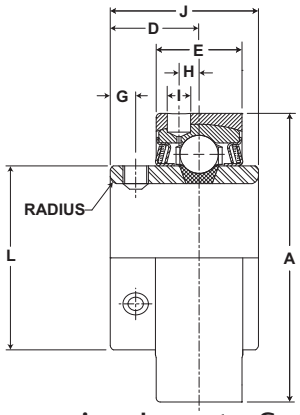
SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



AR Series Standard Duty Expansion Insert - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Max Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
inch	mm				A +.000" -.005"	D	E	G	H	I	J	L			
1/2 9/16 5/8 11/16 3/4	20	AR-2-08 AR-2-09 AR-2-010 AR-2-011 AR-2-012 AR-204	2-08 2-09 2-010 2-011 2-012 5204	2611 11614	2.062 52.375	23/32 18.3	49/64 19.4	3/16 4.8	1/8 3.2	1/4 6.4	1 7/32 31.0	1 3/16 30.2	.040 1.02	1/4-28	.8 .36
13/16 7/8 15/16 1	25	AR-2-013 AR-2-014 AR-2-015 AR-2-1 AR-205	2-013 2-014 2-015 2-1 5205	2801 12459	2.272 57.709	13/16 20.6	49/64 19.4	7/32 5.6	11/64 4.4	1/4 6.4	1 3/8 34.9	1 3/8 34.9	.040 1.02	1/4-28	1.0 .45
1 1/16 1 1/8 1 3/16 1 1/4	30	AR-2-11 AR-2-12 AR-2-13 AR-1-14 AR-206	2-11 2-12 2-13 1-14 5206	4381 19487	2.687 68.250	7/8 22.2	61/64 24.2	7/32 5.6	7/32 5.6	1/4 6.4	1 1/2 38.1	1 19/32 40.5	.040 1.02	1/4-28	1.5 .68
1 1/4 1 5/16 1 3/8 1 7/16	35	AR-2-14 AR-2-15 AR-2-16 AR-2-17 AR-207	2-14 2-15 2-16 2-17 5207	5782 25718	3.140 79.756	1 25.4	1 1/64 25.8	1/4 6.4	1/4 6.4	1/4 6.4	1 11/16 42.9	1 55/64 47.2	.040 1.02	5/16-24	2.1 .95
1 1/2 1 9/16	40	AR-2-18 AR-2-19 AR-208	2-18 2-19 5208	7340 32648	3.375 85.725	1 3/16 30.2	1 11/64 29.8	5/16 7.9	19/64 7.5	1/4 6.4	1 15/16 49.2	2 1/16 52.4	.062 1.57	5/16-24	2.8 1.27
1 5/8 1 11/16 1 3/4	45	AR-2-110 AR-2-111 AR-2-112 AR-209	2-110 2-111 2-112 5209	7901 35144	3.562 90.475	1 3/16 30.2	1 11/64 29.8	5/16 7.9	19/64 7.5	1/4 6.4	1 15/16 49.2	2 19/64 58.3	.062 1.57	5/16-24	3 1.36
1 13/16 1 7/8 1 15/16 2	50	AR-2-113 AR-2-114 AR-2-115 AR-1-2 AR-210	2-113 2-114 2-115 1-2 5210	7889 35090	3.875 98.425	1 9/32 32.5	1 13/64 30.6	3/8 9.5	17/64 6.7	11/32 8.7	2 1/32 51.6	2 15/32 62.7	.062 1.57	3/8-24	3.5 1.59
2 2 1/8 2 3/16	55	AR-2-2 AR-2-22 AR-2-23 AR-211	2-2 2-22 2-23 5211	9752 43377	4.250 107.950	1 5/16 33.3	1 17/64 32.1	3/8 9.5	19/64 7.5	11/32 8.7	2 3/16 55.6	2 23/32 69.1	.080 2.03	3/8-24	4.4 2.00
2 1/4 2 3/8 2 7/16	60	AR-2-24 AR-2-26 AR-2-27 AR-212	2-24 2-26 2-27 5212	11789 52437	4.718 119.837	1 9/16 39.7	1 21/64 33.7	7/16 11.1	21/64 8.3	11/32 8.7	2 9/16 65.1	2 63/64 75.8	.080 2.03	3/8-24	5.8 2.63
2 11/16	70	AR-2-211 AR-214	2-211 5214	13971 62143	5.170 131.318	1 11/16 42.9	1 29/64 36.9	7/16 11.1	3/8 9.5	11/32 8.7	2 3/4 69.9	3 7/16 87.3	.080 2.03	7/16-20	9.3 4.22
2 7/8 2 15/16	75	AR-2-214 AR-2-215 AR-215	2-214 2-215 5215	14839 66004	5.375 136.525	1 3/4 44.5	1 37/64 40.1	7/16 11.1	3/8 9.5	11/32 8.7	3 1/16 77.8	3 41/64 92.5	.080 2.03	7/16-20	9.6 4.35
3 3/16 3.150	80	AR-2-33 AR-216	2-33 5216	17412 77449	5.875 149.225	1 15/16 49.2	1 53/64 46.4	17/32 13.5	13/32 10.3	15/32 11.9	3 1/4 82.6	3 59/64 99.6	.120 3.0	7/16-20	12.2 5.53
3 1/4 3 3/8 3 7/16		AR-2-34 AR-2-36 AR-2-37	2-34 2-36 2-37	18681 83093	6.280 159.512	2 1/32 51.6	2 5/64 52.8	15/32 11.9	17/32 13.5	15/32 11.9	3 3/8 85.7	4 5/32 105.6	.120 3.05	7/16-20	15.2 6.89
3 1/2	90	AR-2-38 AR-218	2-38 5218	21566 95926	6.750 171.450	2 7/32 56.4	2 9/64 54.4	5/8 15.9	15/32 11.9	15/32 11.9	3 25/32 96.0	4 25/64 111.5	.120 3.05	1/2-20	18.5 8.39

For Standard Duty Bearing Inserts - Single Lock see page G-92.

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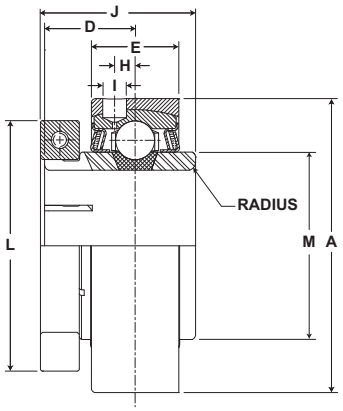
SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



AR-T Standard Duty Expansion Insert - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A +.000" -.005"	D	E	H	I	J	L	M	Max Rad. To Clear	Torx Cap Screw	Unit Wt. lb/kg
3/4	AR-2-012T	2-012T	2611 11614	2.0620 52.375	25/32 22.8	49/64 19.4	9/64 3.6	1/4 6.4	1 9/32 35.5	1 3/4 44.5	1 3/16 30.2	.040 1.02	T-25	.9 .41
15/16 1	AR-2-015T AR-2-1T	2-015T 2-1T	2801 12459	2.2720 57.709	7/8 22.2	49/64 19.4	11/64 4.4	1/4 6.4	1 7/16 36.5	1 15/16 49.2	1 3/8 34.9	.040 1.02	T-25	1.2 .54
1 1/8	AR-2-12T	2-12T	4381 19487	2.6870 68.250	15/16 22.8	61/64 24.2	7/32 5.6	1/4 6.4	1 9/16 35.5	2 3/16 55.6	1 19/32 40.5	.040 1.02	T-25	1.7 .77
1 1/4	AR-2-14T	2-14T	5782 25718	3.1400 79.756	1 1/16 27.0	1 1/64 25.8	1/4 6.4	1/4 6.4	1 3/4 44.5	2 7/16 61.9	1 55/64 47.2	.040 1.02	T-27	2.4 1.09
1 3/8 1 7/16	AR-2-16T AR-2-17T	2-16T 2-17T	5782 25718	3.1400 79.756	1 1/16 27.0	1 1/64 25.8	1/4 6.4	1/4 6.4	1 3/4 44.5	2 9/16 65.1	1 55/64 47.2	.040 1.02	T-27	2.4 1.09
1 1/2	AR-2-18T	2-18T	7340 32648	3.3750 85.725	1 1/4 31.8	1 11/64 29.8	19/64 7.5	1/4 6.4	2 50.8	2 11/16 68.3	2 1/16 52.4	.062 1.57	T-27	3.1 1.41
1 5/8	AR-2-110T	2-110T	7901 35144	3.5620 90.475	1 1/4 31.8	1 11/64 29.8	19/64 7.5	1/4 6.4	2 50.8	2 13/16 71.4	2 19/64 58.3	.062 1.57	T-27	3.3 1.50
1 11/16 1 3/4	AR-2-111T AR-2-112T	2-111T 2-112T	7901 35144	3.5620 90.475	1 1/4 31.8	1 11/64 29.8	19/64 7.5	1/4 6.4	2 50.8	2 15/16 74.6	2 19/64 58.3	.062 1.57	T-27	3.3 1.50
1 15/16	AR-2-115T	2-115T	7889 35090	3.8750 98.425	1 11/32 34.1	1 13/64 30.6	17/64 6.7	11/32 8.7	2 3/32 53.2	3 3/8 85.7	2 15/32 62.7	.062 1.57	T-30	4.1 1.86
2	AR-2-2T	2-2T	9752 43377	4.2500 107.950	1 3/8 34.9	1 17/64 32.1	19/64 7.5	11/32 8.7	2 1/4 57.2	3 1/2 88.9	2 23/32 69.1	.080 2.03	T-30	5.0 2.27
2 3/16	AR-2-23T AR-211TMC	2-23T 5211TMC	9752 43377	4.2500 107.950	1 3/8 34.9	1 17/64 32.1	19/64 7.5	11/32 8.7	2 1/4 57.2	3 5/8 92.1	2 23/32 69.1	.080 2.03	T-30	5.0 2.27
2 1/4	AR-2-24T	2-24T	11789 52437	4.7190 119.863	1 5/8 41.3	1 21/64 33.7	21/64 8.3	11/32 8.7	2 5/8 66.7	4 1/16 103.2	2 63/64 75.8	.080 2.03	T-45	7.0 3.18
2 3/8 2 7/16	AR-2-26T AR-2-27T	2-26T 2-27T	11789 52437	4.7190 119.863	1 5/8 41.3	1 21/64 33.7	21/64 8.3	11/32 8.7	2 5/8 66.7	4 1/8 104.8	2 63/64 75.8	.080 2.03	T-45	7.0 3.18

AR-T Standard Duty Expansion Insert - Metric - SKWEZ™

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions mm / inch A +.000mm -.125mm	D	E	H	I	J	L	M	Max Rad. To Clear	Torx Cap Screw	Unit Wt. kg/lb
20	AR-204TMC	5204TMC	11614 2611	52.375 2.0620	22.8 25/32	19.4 49/64	3.6 9/64	6.4 1/4	35.5 1 9/32	44.5 1 3/4	30.2 1 3/16	1.02 .040	T-25	.41 .9
25	AR-205TMC	5205TMC	12459 2801	57.709 2.2720	22.2 7/8	19.4 49/64	4.4 11/64	6.4 1/4	36.5 1 7/16	49.2 1 15/16	34.9 1 3/8	1.02 .040	T-25	.54 1.2
30	AR-206TMC	5206TMC	19487 4381	68.250 2.6870	22.8 15/16	24.2 61/64	5.6 7/32	6.4 1/4	35.5 1 9/16	55.6 2 3/16	40.5 1 19/32	1.02 .040	T-25	.77 1.7
35	AR-207TMC	5207TMC	25718 5782	79.756 3.1400	27.0 1 1/16	25.8 1 1/64	6.4 1/4	6.4 1/4	44.5 1 3/4	65.1 2 9/16	47.2 1 55/64	1.02 .040	T-27	1.09 2.4
40	AR-208TMC	5208TMC	32648 7340	85.725 3.3750	31.8 1 1/4	29.8 1 11/64	7.5 19/64	6.4 1/4	50.8 2	68.3 2 11/16	52.4 2 1/16	1.57 .062	T-27	1.41 3.1
45	AR-209TMC	5209TMC	35144 7901	90.475 3.5620	31.8 1 1/4	29.8 1 11/64	7.5 19/64	6.4 1/4	50.8 2	74.6 2 15/16	58.3 2 19/64	1.57 .062	T-27	1.50 3.3
50	AR-210TMC	5210TMC	35090 7889	98.425 3.8750	34.1 1 11/32	30.6 1 13/64	6.7 17/64	8.7 11/32	53.2 2 3/32	85.7 3 3/8	62.7 2 15/32	1.57 .062	T-30	1.86 4.1
55	AR-211TMC	5211TMC	43377 9752	107.950 4.2500	34.9 1 3/8	32.1 1 17/64	7.5 19/64	8.7 11/32	57.2 2 1/4	92.1 3 5/8	69.1 2 23/32	2.03 .080	T-30	2.27 5.0
60	AR-212TMC	5212TMC	52437 11789	119.863 4.7190	41.3 1 5/8	33.7 1 21/64	8.3 21/64	8.7 11/32	66.7 2 5/8	104.8 4 1/8	75.8 2 63/64	2.03 .080	T-45	3.18 7.0

For Standard Duty Bearing Inserts - SKWEZLOC Locking collar see page G-93. For Replacement Lock Collar see page G-98.

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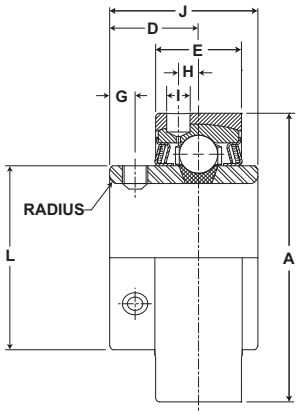
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
Rolling Elements: Ball
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



AR Series Medium Duty Expansion Insert - Setscrew Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Max Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
inch	mm				A +.000" -.005"	D	E	G	H	I	J	L			
15/16 1	25	AR-3-015 AR-3-1 AR-305	3-015 3-1 5305	4381 19487	2.687 68.250	7/8 22.2	61/64 24.2	7/32 5.6	7/32 5.6	1/4 6.4	1 1/2 38.1	1 19/32 40.5	.040 1.02	1/4-28	1.5 .68
1 3/16	30	AR-3-13 AR-306	3-13 5306	5782 25718	3.14 79.756	1 25.4	1 1/64 25.8	1/4 6.4	1/4 6.4	1/4 6.4	1 11/16 42.9	1 55/64 47.2	.040 1.02	5/16-24	2.1 .95
1 7/16	35	AR-3-17 AR-307	3-17 5307	7340 32648	3.375 85.725	1 3/16 30.2	1 11/64 29.8	5/16 7.9	19/64 7.5	1/4 6.4	1 15/16 49.2	2 1/16 52.4	.062 1.57	5/16-24	2.8 1.27
1 1/2	40	AR-3-18 AR-308	3-18 5308	7901 35144	3.562 90.475	1 3/16 30.2	1 11/64 29.8	5/16 7.9	19/64 7.5	1/4 6.4	1 15/16 49.2	2 19/64 58.3	.062 1.57	5/16-24	3 1.36
1 11/16 1 3/4	45	AR-3-111 AR-3-112 AR-309	3-111 3-112 5309	7889 35090	3.875 98.425	1 9/32 32.5	1 13/64 30.6	3/8 9.5	17/64 6.7	11/32 8.7	2 1/32 51.6	2 15/32 62.7	.062 1.57	3/8-24	3.5 1.59
1 15/16	50	AR-3-115 AR-310	3-115 5310	9752 43377	4.25 107.950	1 5/16 33.3	1 17/64 32.1	3/8 9.5	19/64 7.5	11/32 8.7	2 3/16 55.6	2 23/32 69.1	.080 2.03	3/8-24	4.4 2.00
2 3/16	55	AR-3-23 AR-311	3-23 5311	11789 52437	4.718 119.837	1 9/16 39.7	1 21/64 33.7	7/16 11.1	21/64 8.3	11/32 8.7	2 9/16 65.1	2 63/64 75.8	.080 2.03	3/8-24	5.8 2.63
2 7/16 2 1/2	65	AR-3-27 AR-3-28 AR-313	3-27 3-28 5313	13971 62143	5.17 131.318	1 11/16 42.9	1 29/64 36.9	7/16 11.1	3/8 9.5	11/32 8.7	2 3/4 69.9	3 7/16 87.3	.080 2.03	7/16-20	9.3 4.22
2 11/16	70	AR-3-211 AR-314	3-211 5314	14839 66004	5.375 136.525	1 3/4 44.5	1 37/64 40.1	7/16 11.1	3/8 9.5	11/32 8.7	3 1/16 77.8	3 41/64 92.5	.080 2.03	7/16-20	9.6 4.35
2 15/16 3	75	AR-3-215 AR-3-3 AR-315	3-215 3-3 5315	17412 77449	5.875 149.225	1 15/16 49.2	1 53/64 46.4	17/32 13.5	13/32 10.3	15/32 11.9	3 1/4 82.6	3 59/64 99.6	.120 3.05	7/16-20	12.2 5.53
3 3/16	80	AR-3-33 AR-316	3-33 5316	18681 83093	6.28 159.512	2 1/32 51.6	2 5/64 52.8	15/32 11.9	17/32 13.5	15/32 11.9	3 3/8 85.7	4 5/32 105.6	.120 3.05	7/16-20	15.2 6.89
3 7/16		AR-3-37	3-37	21566 95926	6.75 171.450	2 7/32 56.4	2 9/64 54.4	5/8 15.9	15/32 11.9	15/32 11.9	3 25/32 96.0	4 25/64 111.5	.120 3.05	1/2-20	18.5 8.39
3 15/16 4	100	AR-3-315 AR-3-4 AR-320	3-5315 3-4 320	29905 133017	8.063 204.800	2 11/16 68.3	2 33/64 63.9	3/4 19.1	19/32 15.1	15/32 11.9	4 5/8 117.5	5 11/64 131.4	.120 3.05	5/8-18	32.9 14.92

For Medium Duty Bearing Inserts - Single Lock see page G-95.

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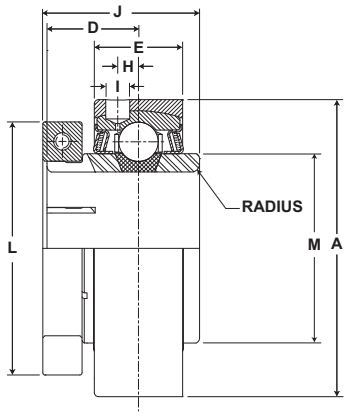
SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Brass Expansion Insert
Self Alignment: +/- 2 Degrees
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



AR-T Medium Duty Expansion Insert - SKWEZLOC Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A +.000" -.005"	D	E	H	I	J	L	M	Max Rad. To Clear	Torx Cap Screw	Unit Wt. lb/kg
1	AR-3-1T	3-1T	4381 19487	2.687 68.250	15/16 23.8	61/64 24.2	7/32 5.6	1/4 6.4	1 9/16 39.7	2 1/16 52.4	1 19/32 40.5	.040 1.02	T-25	1.7 .77
1 1/4	AR-2-14T	2-14T	5782 25718	3.14 79.756	1 1/16 27.0	1 25.4	1/4 6.4	1/4 6.4	1 3/4 44.5	2 7/16 61.9	1 27/32 46.8	.040 1.02	T-27	2.4 1.09
1 7/16	AR-3-17T	3-17T	7340 32648	3.375 85.725	1 1/4 31.8	1 11/64 29.8	19/64 7.5	1/4 6.4	2 50.8	2 11/16 68.3	2 1/16 52.4	.062 1.57	T-27	3.1 1.41
1 1/2	AR-3-18T	3-18T	7901 35144	3.562 90.475	1 1/4 31.8	1 11/64 29.8	19/64 7.5	1/4 6.4	2 50.8	2 13/16 71.4	2 5/16 58.7	.062 1.57	T-27	3.3 1.50
1 11/16 1 3/4	AR-3-111T AR-3-112T	3-111T 3-112T	7889 35090	3.875 98.425	1 11/32 34.1	1 13/64 30.6	17/64 6.7	11/32 8.7	2 3/32 53.2	3 1/4 82.6	2 15/32 62.7	.062 1.57	T-30	4.1 1.86
1 15/16	AR-3-115T	2-115T	7889 35090	4.25 107.950	1 3/8 34.9	1 17/64 32.1	19/64 7.5	11/32 8.7	2 1/4 57.2	3 1/2 88.9	2 23/32 69.1	.080 2.03	T-30	5.0 2.27
2 3/16	AR-3-23T	3-23T	11789 52437	4.719 119.863	1 5/8 41.3	1 21/64 33.7	21/64 8.3	11/32 8.7	2 5/8 66.7	4 1/16 103.2	2 63/64 75.8	.080 2.03	T-45	7.0 3.18

For Medium Duty SKWEZLOC Locking Collar Bearing inserts see page G-96. For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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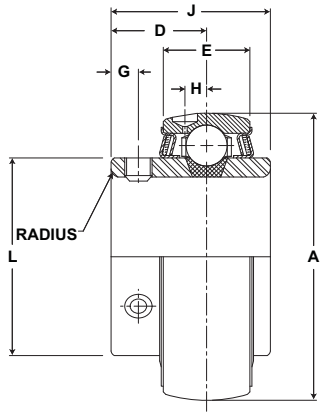
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



Standard Duty Bearing Insert – Setscrew

Bore Diameter		Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm							Max Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
inch	mm			A	D	E	G	H	J	L			
1/2 9/16 5/8 11/16 3/4	20	2-08 2-09 2-010 2-011 2-012 5204	2611 11614	1.8504 47	23/32 18.3	5/8 15.9	3/16 4.8	1/8 3.2	1 7/32 31.0	1 3/16 30.2	.040 1.02	1/4-28	.5 .23
13/16 7/8 15/16 1	25	2-013 2-014 2-015 2-1 5205	2801 12459	2.0472 52	13/16 20.6	11/16 17.5	7/32 5.6	11/64 4.4	1 3/8 34.9	1 3/8 34.9	.040 1.02	1/4-28	.6 .27
1 1/16 1 1/8 1 3/16 1 1/4	30	2-11 2-12 2-13 1-14 5206	4381 19487	2.4409 62	7/8 22.2	7/8 22.2	7/32 5.6	7/32 5.6	1 1/2 38.1	1 19/32 40.5	.040 1.02	1/4-28	1.0 .45
1 1/4 1 5/16 1 3/8 1 7/16	35	2-14 2-15 2-16 2-17 5207	5782 25718	2.8316 72	1 25.4	15/16 23.8	1/4 6.4	1/4 6.4	1 11/16 42.9	1 55/64 47.2	.040 1.02	5/16-24	1.5 .68
1 1/2 1 9/16	40	2-18 2-19 5208	7340 32648	3.1490 80	1 3/16 30.2	1 3/32 27.8	5/16 7.9	19/64 7.5	1 15/16 49.2	2 1/16 52.4	.062 1.57	5/16-24	1.9 .86
1 5/8 1 11/16 1 3/4	45	2-110 2-111 2-112 5209	7901 35144	3.3465 85	1 3/16 30.2	1 3/32 27.8	5/16 7.9	19/64 7.5	1 15/16 49.2	2 19/64 58.3	.062 1.57	5/16-24	2.2 1.00
1 13/16 1 7/8 1 15/16 2	50	2-113 2-114 2-115 1-2 5210	7889 35090	3.5433 90	1 9/32 32.5	1 1/8 28.6	3/8 9.5	17/64 6.7	2 1/32 51.6	2 15/32 62.7	.062 1.57	3/8-24	2.4 1.09
2 2 1/8 2 3/16	55	2-2 2-22 2-23 5211	9752 43377	3.9370 100	1 5/16 33.3	1 3/16 30.2	3/8 9.5	19/64 7.5	2 3/16 55.6	2 23/32 69.1	.080 2.03	3/8-24	2.8 1.27
2 1/4 2 3/8 2 7/16	60	2-24 2-26 2-27 5212	11789 52437	4.3307 110	1 9/16 39.7	1 1/4 31.8	7/16 11.1	21/64 8.3	2 9/16 65.1	2 63/64 75.8	.080 2.03	3/8-24	3.7 1.68
2 11/16	70	2-211 5214	13971 62143	4.9213 125	1 11/16 42.9	1 3/8 34.9	7/16 11.1	3/8 9.5	2 3/4 69.9	3 7/16 87.3	.080 2.03	7/16-20	5.45 2.47
2 7/8 2 15/16	75	2-214 2-215 5215	14839 66004	5.1181 130	1 3/4 44.5	1 1/2 38.1	7/16 11.1	3/8 9.5	3 1/16 77.8	3 41/64 92.5	.080 2.03	7/16-20	6.8 3.08
3 3/16	80	2-33 5216	17412 77449	5.5118 140	1 15/16 49.2	1 11/16 42.9	17/32 13.5	13/32 10.3	3 1/4 82.6	3 59/64 99.6	.120 3.05	7/16-20	7.2 3.27
3 1/4 3 3/8 3 7/16		2-34 2-36 2-37	18681 83093	5.9055 150	2 1/32 51.6	1 15/16 49.2	15/32 11.9	17/32 13.5	3 3/8 85.7	4 5/32 105.6	.120 3.05	7/16-20	9.3 4.22
3 1/2	90	2-38 5218	21566 95926	6.2992 160	2 7/32 56.4	2 50.8	5/8 15.9	15/32 11.9	3 25/32 96.0	4 25/64 111.5	.120 3.05	1/2-20	11.7 5.31

Bearing Selection Page G-3 | Nomenclature Aid Page G-18 | Features & Benefits Page G-21 | Product Options Page G-23 | Technical Engineering Page G-220

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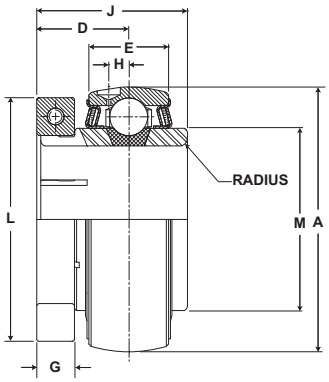
SEALMASTER® Performance Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



Standard Duty Bearing Insert – SKWEZLOC Locking Collar

Bore Diameter		Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Max Rad. To Clear	Torx Cap Screw	Unit Wt. lb/kg
inch	mm			A	D	E	G	H	J	L	M			
3/4	20	2-012T 5204TMC	2611 11614	1.8504 47	23/32 18.3	5/8 15.9	3/8 9.5	9/64 3.6	1 9/32 32.5	1 3/4 44.5	1 3/16 30.2	.040 1.02	T-25	.60 .27
15/16 1	25	2-015T 2-1T 5205TMC	2801 12459	2.0472 52	13/16 20.6	11/16 17.5	3/8 9.5	11/64 4.4	1 7/16 36.5	1 15/16 49.2	1 3/8 34.9	.040 1.02	T-25	.80 .36
1 1/8 1 3/16 1 1/4	30	2-12T 2-13T 1-14T 5206TMC	4381 19487	2.4409 62	7/8 22.2	7/8 22.2	3/8 9.5	7/32 5.6	1 9/16 39.7	2 3/16 55.6	1 19/32 40.5	.040 1.02	T-25	1.2 .54
1 1/4		2-14T	5782 25718	2.8346 72	1 25.4	15/16 23.8	7/16 11.1	1/4 6.4	1 3/4 44.5	2 7/16 61.9	1 55/64 47.2	.040 1.02	T-27	1.8 .82
1 3/8 1 7/16	35	2-16T 2-17T 5207TMC	5782 25718	2.8346 72	1 25.4	15/16 23.8	7/16 11.1	1/4 6.4	1 3/4 44.5	2 9/16 65.1	1 55/64 47.2	.040 1.02	T-27	1.8 .82
1 1/2 1 9/16	40	2-18T 2-19T 5208TMC	7340 32648	3.1496 80	1 3/16 30.2	1 3/32 27.8	7/16 11.1	19/64 7.5	2 50.8	2 11/16 68.3	2 1/16 52.4	.062 1.57	T-27	2.2 1.00
1 5/8		2-110T	7901 35144	3.3465 85	1 3/16 30.2	1 3/32 27.8	7/16 11.1	19/64 7.5	2 50.8	2 13/16 71.4	2 19/64 58.3	.062 1.57	T-27	2.5 1.13
1 11/16 1 3/4	45	2-111T 2-112T 5209TMC	7901 35144	3.3465 85	1 3/16 30.2	1 3/32 27.8	7/16 11.1	19/64 7.5	2 50.8	2 15/16 74.6	2 19/64 58.3	.062 1.57	T-27	2.5 1.13
1 15/16 2	50	2-115T 1-2T 5210TMC	7889 35090	3.5433 90	1 9/32 32.5	1 1/8 28.6	9/16 14.3	17/64 6.7	2 3/32 53.2	3 3/8 85.7	2 15/32 62.7	.062 1.57	T-30	3.0 1.36
2		2-2T	9752 43377	3.9370 100	1 5/16 33.3	1 3/16 30.2	9/16 14.3	19/64 7.5	2 1/4 57.2	3 1/2 88.9	2 23/32 69.1	.080 2.03	T-30	3.4 1.54
2 1/8 2 3/16	55	2-22T 2-23T 5211TMC	9752 43377	3.9370 100	1 5/16 33.3	1 3/16 30.2	9/16 14.3	19/64 7.5	2 1/4 57.2	3 5/8 92.1	2 23/32 69.1	.080 2.03	T-30	3.4 1.54
2 1/4		2-24T	11789 52437	4.3307 110	1 9/16 39.7	1 1/4 31.8	11/16 17.5	21/64 8.3	2 5/8 66.7	4 1/16 103.2	2 63/64 75.8	.080 2.03	T-45	4.9 2.22
2 3/8 2 7/16	60	2-26T 2-27T 5212TMC	11789 52437	4.3307 110	1 9/16 39.7	1 1/4 31.8	11/16 17.5	21/64 8.3	2 5/8 66.7	4 1/8 104.8	2 63/64 75.8	.080 2.03	T-45	4.9 2.22

For Replacement Lock Collar see page G-98.

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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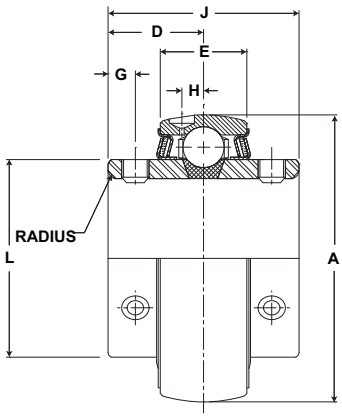
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Lock: Double Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



Standard Duty Bearing Insert – Double Setscrew

Bore Diameter inch	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	D	E	G	H	J	L	Max Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
7/8 15/16 1	2-014D 2-015D 2-1D	2801 12459	2.0472 52	3/4 19.1	11/16 17.5	7/32 5.6	11/64 4.4	1 1/2 38	1 3/8 34.9	.040 1.02	1/4-28	.6 .27
1 3/16	2-13D	4381 19487	2.4409 62	7/8 22.2	7/8 22.2	7/32 5.6	7/32 5.6	1 3/4 44	1 19/32 40.5	.040 1.02	1/4-28	1.0 .45
1 1/4 1 3/8 1 7/16	2-14D 2-16D 2-17D	5782 25718	2.8346 72	1 25.4	15/16 23.8	1/4 6.4	1/4 6.4	2 51	1 55/64 47.2	.040 1.02	5/16-24	1.5 .68
1 1/2 1 9/16	2-18D 2-19D	7340 32648	3.1496 80	1 5/32 29.4	1 3/32 27.8	5/16 7.9	19/64 7.5	2 5/16 59	2 1/16 52.4	.062 1.57	5/16-24	1.9 .86
1 11/16 1 3/4	2-111D 2-112D	7901 35144	3.3465 85	1 3/16 30.2	1 3/32 27.8	11/32 8.7	19/64 7.5	2 3/8 60	2 19/64 58.3	.062 1.57	5/16-24	2.2 1.00
1 7/8 1 15/16	2-114D 2-115D	7889 35090	3.5433 90	1 1/4 31.8	1 1/8 28.6	11/32 8.7	17/64 6.7	2 1/2 64	2 15/32 62.7	.062 1.57	3/8-24	2.4 1.09
2 2 1/8 2 3/16	2-2D 2-22D 2-23D	9752 43377	3.9370 100	1 5/16 33.3	1 3/16 30.2	5/16 7.9	19/64 7.5	2 5/8 67	2 23/32 69.1	.080 2.03	3/8-24	2.8 1.27
2 1/4 2 3/8 2 7/16	2-24D 2-26D 2-27D	11789 52437	4.3307 110	1 9/16 39.7	1 1/4 31.8	13/32 10.3	21/64 8.3	3 1/8 79	2 63/64 75.8	.080 2.03	3/8-24	3.7 1.68
2 11/16	2-211D	13971 62143	4.9213 125	1 3/4 44.5	1 3/8 34.9	15/32 11.9	3/8 9.5	3 1/2 89	3 7/16 87.3	.080 2.03	7/16-20	5.8 2.63
2 7/8 2 15/16	2-214D 2-215D	14839 66004	5.1181 130	1 3/4 44.5	1 1/2 38.1	7/16 11.1	3/8 9.5	3 1/2 89	3 41/64 92.5	.080 2.03	7/16-20	6.8 3.08
3 3/16	2-33D	17412 77449	5.5118 140	1 15/16 49.2	1 11/16 42.9	9/16 14.3	13/32 10.3	3 7/8 98	3 59/64 99.6	.120 3.05	7/16-20	7.2 3.27
3 1/4 3 3/8 3 7/16	2-34D 2-36D 2-37D	18681 83093	5.9055 150	2 1/32 51.6	1 15/16 49.2	1/2 12.7	17/32 13.5	4 1/16 103	4 5/32 105.6	.120 3.05	7/16-20	9.3 4.22
3 1/2	2-38D	21566 95926	6.2992 160	2 7/32 56.4	2 50.8	1/2 12.7	15/32 11.9	4 7/16 113	4 25/64 111.5	.120 3.05	1/2-20	11.7 5.31

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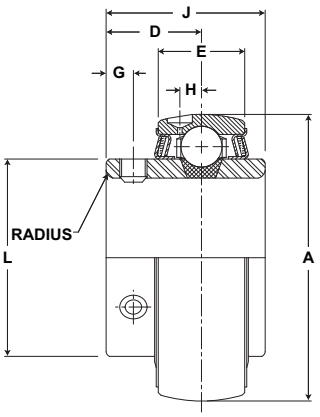
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



Medium Duty Bearing Insert – Setscrew

Bore Diameter		Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm							Max Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
inch	mm			A	J	D	E	L	G	H			
15/16 1	25	3-015 3-1 5305	4381 19487	2.4409 62	1 1/2 38.1	7/8 22.2	7/8 22.2	1 19/32 40.5	7/32 5.6	7/32 5.6	.040 1.02	1/4-28	1.0 .45
1 3/16 1.181	30	3-13 5306	5782 25718	2.8346 72	1 11/16 42.9	1 25.4	15/16 23.8	1 55/64 47.2	1/4 6.4	1/4 6.4	.040 1.02	5/16-24	1.5 .68
1 7/16	35	3-17 5307	7340 32648	3.1496 80	1 15/16 49.2	1 3/16 30.2	1 3/32 27.8	2 1/16 52.4	5/16 7.9	19/64 7.5	.062 1.57	5/16-24	1.9 .86
1 1/2	40	3-18 5308	7901 35144	3.3465 85	1 15/16 49.2	1 3/16 30.2	1 3/32 27.8	2 19/64 58.3	5/16 7.9	19/64 7.5	.062 1.57	5/16-24	2.2 1.00
1 11/16 1 3/4	45	3-111 3-112 5309	7889 35090	3.5433 90	2 1/32 51.6	1 9/32 32.5	1 1/8 28.6	2 15/32 62.7	3/8 9.5	17/64 6.7	.062 1.57	3/8-24	2.4 1.09
1 15/16	50	3-115 5310	9752 43377	3.9370 100	2 3/16 55.6	1 5/16 33.3	1 3/16 30.2	2 23/32 69.1	3/8 9.5	19/64 7.5	.080 2.03	3/8-24	3.2 1.45
2 3/16	55	3-23 5311	11789 52437	4.3307 110	2 9/16 65.1	1 9/16 39.7	1 1/4 31.8	2 63/64 75.8	7/16 11.1	21/64 8.3	.080 2.03	3/8-24	4.2 1.91
2 7/16 2 1/2	65	3-27 3-28 5313	13971 62143	4.9213 125	2 3/4 69.9	1 11/16 42.9	1 3/8 34.9	3 7/16 87.3	7/16 11.1	3/8 9.5	.080 2.03	7/16-20	6.5 2.95
2 11/16	70	3-211 5314	14839 66004	5.1181 130	3 1/16 77.8	1 3/4 44.5	1 1/2 38.1	3 41/64 92.5	7/16 11.1	3/8 9.5	.080 2.03	7/16-20	7.1 3.22
2 15/16 3	75	3-215 3-3 5315	17412 77449	5.5118 140	3 1/4 82.6	1 15/16 49.2	1 11/16 42.9	3 59/64 99.6	17/32 13.5	13/32 10.3	.120 3.05	7/16-20	8.2 3.72
3 3/16	80	3-33 5316	18681 83093	5.9055 150	3 3/8 85.7	2 1/32 51.6	1 15/16 49.2	4 5/32 105.6	15/32 11.9	17/32 13.5	.120 3.05	7/16-20	10.0 4.54
3 7/16		3-37	21566 95926	6.2992 160	3 25/32 96.0	2 7/32 56.4	2 50.8	4 25/64 111.5	5/8 15.9	15/32 11.9	.120 3.05	1/2-20	11.7 5.31
3 15/16 4	100	3-315 3-4 5320	29905 133017	7.4803 190	4 5/8 117.5	2 11/16 68.3	2 1/2 63.5	5 11/64 131.4	3/4 19.1	19/32 15.1	.120 3.05	5/8-18	20.4 9.25

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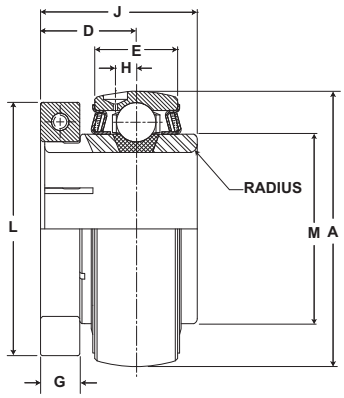
Performance Mounted Ball Bearings

SEALMASTER®

Duty: Medium
Rolling Elements: Ball
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



Medium Duty Bearing Insert - SKWEZLOC Locking Collar

Bore Diameter		Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Max Rad. To Clear	Torx Cap Screw	Unit Wt. lb/kg
inch	mm			A	J	D	E	G	H	L	M			
1	25.4	3-1T	4381 19487	2.4409 62	1 9/16 39.7	7/8 22.2	7/8 22.2	3/8 9.5	7/32 5.6	2 1/16 52.4	1 19/32 40.5	.040 1.02	T-25	1.2 .54
1 3/16	30.2	3-13T	5782 25718	2.8346 72	1 3/4 44.5	1 25.4	15/16 23.8	7/16 11.1	1/4 6.4	2 7/16 61.9	1 55/64 47.2	.040 1.02	T-27	1.8 .82
1 7/16	36.5	3-17T	7340 32648	3.1496 80	2 50.8	1 3/16 30.2	1 3/32 27.8	7/16 11.1	19/64 7.5	2 11/16 68.3	2 1/16 52.4	.062 1.57	T-27	2.2 1.00
1 1/2	38.1	3-18T	7901 35144	3.3470 85	2 50.8	1 3/16 30.2	1 3/32 27.8	7/16 11.1	19/64 7.5	2 13/16 71.4	2 19/64 58.3	.062 1.57	T-27	2.5 1.13
1 11/16 1 3/4	42.9 44.5	3-111T 3-112T	7889 35090	3.5433 90	2 3/32 53.2	1 9/32 32.5	1 1/8 28.6	9/16 14.3	17/64 6.7	3 1/4 82.6	2 15/32 62.7	0.062 1.57	T-30	3.0 1.36
1 15/16	49.2	3-115T	9752 43377	3.9370 100	2 1/4 57.2	1 5/16 33.3	1 3/16 30.2	9/16 14.3	19/64 7.5	3 1/2 88.9	2 23/32 69.1	.080 2.03	T-30	3.8 1.72
2 3/16	55.6	3-23T	11789 52437	4.3307 110	2 5/8 66.7	1 9/16 39.7	1 1/4 31.8	11/16 17.5	21/64 8.3	4 1/16 103.2	2 63/64 75.8	.080 2.03	T-45	4.9 2.22

For Replacement Lock Collar see page G-98.

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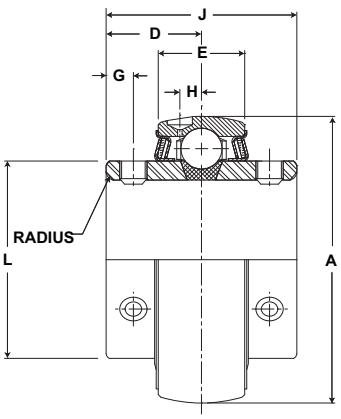
SEALMASTER® Performance Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Lock: Double Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F



Medium Duty Bearing Insert – Double Setscrew

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm							Max Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
			A	D	E	G	H	L	J			
1	3-1D	4381 19487	2.4409 62	7/8 22.2	7/8 22.2	7/32 5.6	7/32 5.6	1 19/32 40.5	1 3/4 44.5	.040 1.02	1/4-28	1.0 .45
1 3/16	3-13D	5782	2.8346 72	1 25.4	15/16 23.8	1/4 6.4	1/4 6.4	1 55/64 47.2	2 50.8	.040 1.02	5/16-24	1.5 .68
1 7/16	3-17D	7340 32648	3.1496 80	1 5/32 29.4	1 3/32 27.8	31/99 8.0	19/64 7.5	2 1/16 52.4	2 5/16 58.7	.062 1.57	5/16-24	2.0 .91
1 1/2	3-18D	7901	3.3470 85	1 3/16 30.2	1 3/32 27.8	11/32 8.7	19/64 7.5	2 19/64 58.3	2 3/8 60.3	.062 1.57	5/16-24	2.5 1.13
1 11/16 1 3/4	3-111D 3-112D	7889 35090	3.5433 90	1 1/4 31.8	1 1/8 28.6	11/32 8.7	17/64 6.7	2 15/32 62.7	2 1/2 63.5	.062 1.57	3/8-24	2.7 1.22
1 15/16	3-115D	9752	3.9370 100	1 5/16 33.3	1 3/16 30.2	31/99 8.0	19/64 7.5	2 23/32 69.1	2 5/8 66.7	.080 2.03	3/8-24	3.5 1.59
2 7/16 2 1/2	3-27D 3-28D	13971 62143	4.9207 125	1 3/4 44.5	1 3/8 34.9	15/32 11.9	3/8 9.5	3 7/16 87.3	3 1/2 88.9	.080 2.03	7/16-20	7.1 3.22
2 11/16	3-211D	14839	5.1181 130	1 3/4 44.5	1 1/2 38.1	39/89 11.1	3/8 9.5	3 41/64 92.5	3 1/2 88.9	.080 2.03	1/2-20	7.3 3.31
2 15/16 3	3-215D 3-3D	17412 77449	5.5118 140	1 15/16 49.2	1 11/16 42.9	49/87 14.3	13/32 10.3	3 59/64 99.6	3 7/8 98.4	.120 3.05	1/2-20	9 4.08
3 3/16	3-33D	18681	5.9055 150	2 1/32 51.6	1 15/16 49.2	1/2 12.7	17/32 13.5	4 5/32 105.6	4 1/16 103.2	.120 3.05	1/2-20	10.8 4.90
3 7/16	3-37D	21566 95926	6.2992 160	2 7/32 56.4	2 50.8	1/2 12.7	15/32 11.9	4 25/64 111.5	4 7/16 112.7	.120 3.05	1/2-20	12.6 5.72
3 15/16 4	3-315D 3-4D	29905 133017	7.4803 190	2 11/16 68.3	2 1/2 63.5	64/89 18.3	19/32 15.1	5 11/64 131.4	5 3/8 136.5	.120 3.05	5/8-18	21.6 9.80
4 7/16 4 15/16	3-47D 3-415D	37482 166720	9.0551 230	2 7/8 73.0	2 5/8 66.7	5/8 15.9	5/8 15.9	6 11/32 161.1	5 3/4 146.1	.120 3.05	5/8-18	40 18.14

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Locking Collar Replacement Table

SKWEZLOC Locking Collar Table							
Bore Diameter		Standard Duty	ER	MH	Collar	Medium Duty	
inch	mm	Insert	Insert	Insert		Insert	Collar
3/4	20	2-012T 5204TM	ER-12T ER-204TMC		2-012B Lock Collar		
15/16 1	25	2-015T 2-1T 5205TM	ER-16T ER-205TMC	MH-16T	2-015 Lock Collar	3-1T	2-13A Lock Collar
1 1/8 1 3/16 1 1/4*	30	2-12T 2-13T 1-14T 5206TM	ER-18T ER-19T ER-20RT ER-206TMC	MH-19T MH-20RT	2-13B Lock Collar	3-13T	2-17A Lock Collar
1 1/4		2-14T	ER-20T	MH20T	2-17A Lock Collar	2-14T	2-17A Lock Collar
1 3/8 1 7/16	35	2-16T 2-17T 5207TM	ER-22T ER-23T ER-207TMC	MH-23T	2-17B Lock Collar	3-17T	2-19A Lock Collar
1 1/2 1 9/16	40	2-18T 2-19T 5208TM	ER-24T ER-208TMC	MH-24T	2-19A Lock Collar	3-18T	2-111A Lock Collar
1 5/8		2-110T	ER-26T		2-111A Lock Collar		
1 11/16 1 3/4	45	2-111T 2-112T 5209TM	ER-27T ER-28T ER-209TMC	MH-27T	2-111B Lock Collar	3-111T 3-112T	2-115A Lock Collar
1 15/16 2*	50	2-115T 1-2T 5210TM	ER-31T ER-210TMC	MH-31T	2-115B Lock Collar	3-115T	2-23A Lock Collar
2		2-2T	ER-32T	MH-32T	2-23A Lock Collar	2-2T	2-23A Lock Collar
2 1/8 2 3/16	55	2-22T 2-23T 5211TM	ER-35T ER-211TMC	MH-35T	2-23B Lock Collar	3-23T	2-27A Lock Collar
2 1/4		2-24T	ER-36T		2-27A Lock Collar		
2 3/8 2 7/16	60	2-26T 2-27T 5212TM	ER-38T ER-39T ER-512TMC	MH-39T	2-27B Lock Collar		

*Reduced Housing

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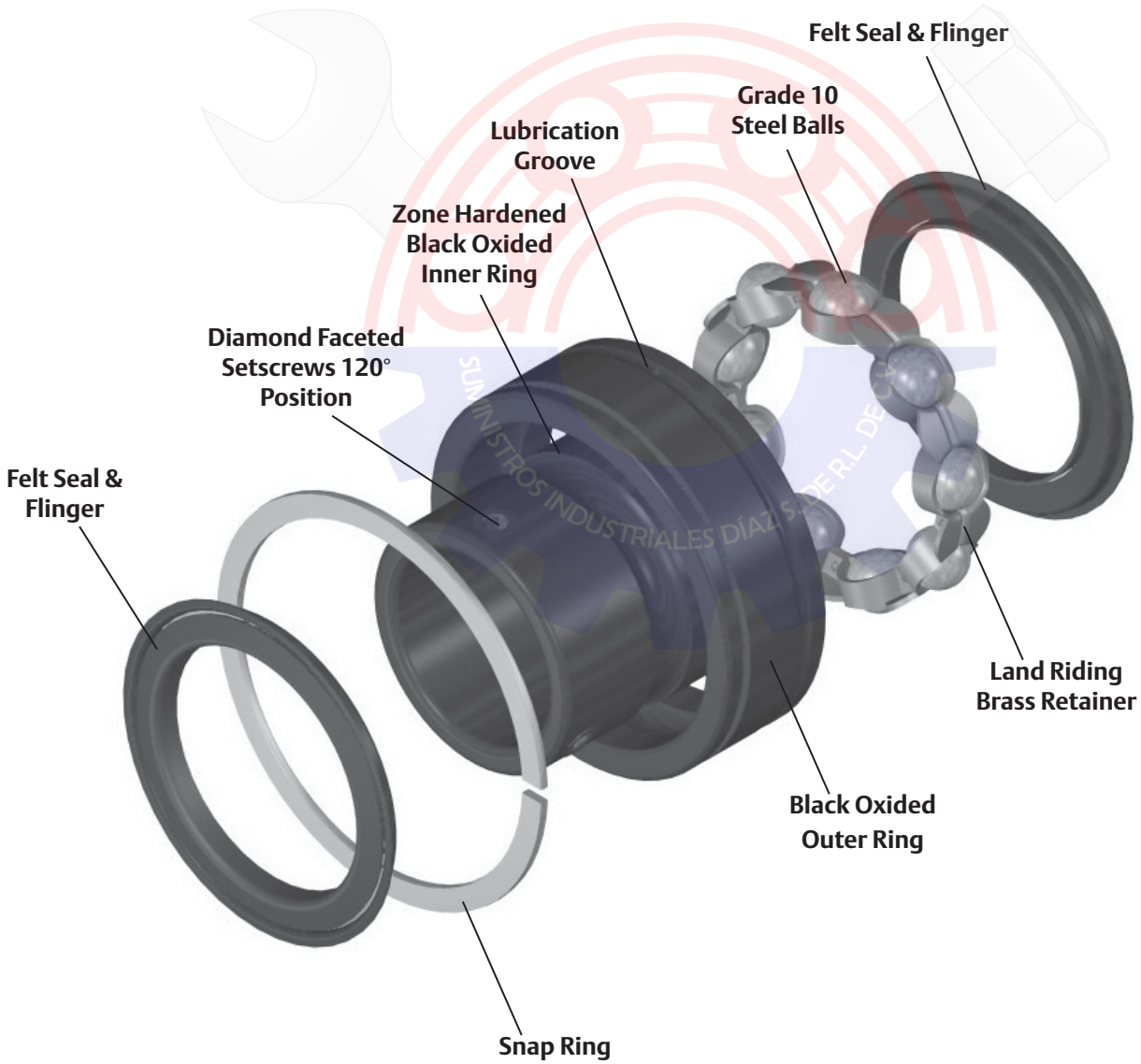
SUMINISTROS INDUSTRIALES DÍAZ

Sealmaster ER Style Ball Bearings

Sealmaster Gold ER bearings feature a cylindrical OD and snap ring for easy installation in a roll assembly. Shaft lock is achieved by either setscrew or Skwezloc® concentric locking collar. The felt seal with flinger provide a good balance between contaminant entry, GoldPlex HP™ grease loss and friction. Depending on your preference, these bearings are available in both inch and metric shaft sizes with a wide variety of sealing and lubrication options or ERX-TREME industry specific solutions as illustrated on the pages to follow.



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SUMINISTROS INDUSTRIALES DÍAZ

ER Style Nomenclature

ER - Cylindrical O.D. Bearing With Snap Ring
X - ERX-TREME Option
Bore Size
Inch - ##/16 (ex. 20/16 = 1 1/4")
R for 1 1/4" and 2" Reduced Only
Metric - Standard Duty - 2##, ## x 5 mm
(ex. 05 = 25 mm)
Standard Option
T - Skwezloc® Locking Collar
M - Metric Hardware (Metric - SKWEZ™)
C - Contact Seal
Common Option* (see table below)

ER X 16 T XLO

Common Option

3C	Triple Lip Contact Seal - replaced by DRT in most sizes
DRT	High Contamination
HI	ERX-Treme High Temperature Krytox* Grease
HIY	ERX-Treme High Temperature Krytox* Grease Expansion
LO	ERX-Treme Low Drag
X	Labyrinth Seal
XLO	ERX-Treme Extra Low Drag

*Note: Configurations are not available in all sizes or housing styles. Consult the product tables, option sections and engineering sections for more detail or consult a Bearing Application Engineer.

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SUMINISTROS INDUSTRIALES DÍAZ

Features and Benefits

Outer Race With Tapered Lands

The Sealmaster ER Bearings Outer Ring is black oxided and comes standard with a locating ring and lubrication groove and lubrication inlet. In addition, they have the Sealmaster patented Tapered Lands bearing race profile which means that critical lubricant is circulated more efficiently, while requiring no regular service intervals. The outer land surface in a conventional bearing is parallel to the axis of the inner ring. The Tapered Lands surface is tapered in a radial direction toward the bearing race. This subtle yet crucial design change allows lubricant to more easily flow back to the raceway. With improved bearing lubricant circulation comes significantly longer bearing service life. This improved circulation and service life comes without any reductions in bearing radial or thrust capacities.

* For bearings that are maintained and relubricated on a regular basis, there is no significant difference in expected life.

Multiple Sealing Options
Felt Seal With Flinger

The standard felt seal provides a tight labyrinth seal which retains lubrication and acts as a filter to exclude contamination. The external stamping is a flinger which shields the felt from large contaminants and directs them away from the sealing surface. The design operates with less drag and less heat generation than rubber contact seals.

Single Lip Contact Seal

Single Lip Contact Seal consists of a nitrile rubber washer in metal shroud to shield the lip from large contaminants. The seal is designed to balance drag and protection in wet and dry environments. This can be specified by adding the suffix C to the part number.

Additional Sealing Options can be found on pages G-103 to G-106.

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SUMINISTROS INDUSTRIALES DÍAZ

Features and Benefits continued

Multiple Locking Methods
Setscrew Locking

120° spaced, balanced three point contact minimizes inner ring distortion vibration, reduces noise, and improves reliability. Precision manufactured diamond faceted setscrews contribute to improved clamping and resistance to back out.

Sealmaster Skwezloc® Concentric Locking Collar

SKWEZLOC is a concentric locking collar clamp design that results in near-perfect concentricity of the shaft to the bearing bore and maintains near perfect ball path roundness, while reducing fretting corrosion. This design eliminates the shaft damage of setscrew locking, and minimizes bearing induced vibration for smoother quieter operation. The collar has a TORX head cap screw that outlasts stripping 12 times longer than hex head cap screws.

Zone Hardened Inner Race

Sealmaster incorporates a unique heat treat process that hardens the inner race only where it is needed...under the ball path. The black oxided zone hardened inner race results in improved lock reliability as a result of less distortion at the setscrew location and improved thread conformity resulting in improved clamping and resistance to setscrew back-out.

Land Riding Retainer

The Sealmaster unique land riding metal retainer design provides superior pocket clearance allows for 360° oil circulation around the rolling elements resulting in better retained and utilized lubrication.

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Options

Bearings are typically selected using L10 fatigue life calculations based on ideal operating conditions. However, most bearing problems are not fatigue related, but occur due to contamination, lubrication starvation, or other environmental issues. As a result our Bearing engineers have developed custom solutions to meet the varying severity, operating parameters and maintenance regularity, such as ERX-TREME and Custom Select.

ERX-TREME Options
Low Drag

Suffix	Description	Temperature	Environment	Speed Limits
LO	Low Drag	-20°F to 180°F	Dry/Dusty	Pages G-235 to G-240
XLO	Extra Low Drag	-20°F to 100°F		

ERX-TREME Low Drag "LO"

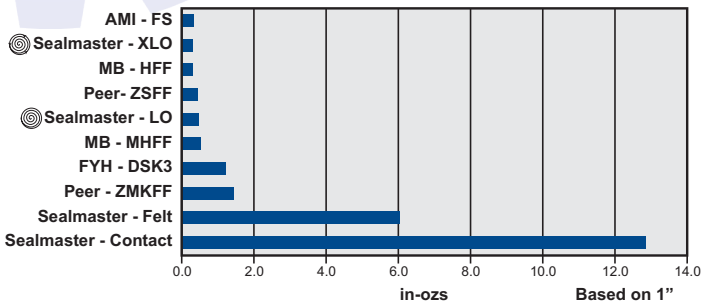
- Felt seal cut down to reduce drag
- Provides excellent barrier that works to retain grease and acts as a filter to reduce the ingress of debris contaminants
- Features a channeling grease that reduces drag while lubricating the bearing

ERX-TREME X-Tra Low Drag "XLO"

- Felt seal cut down and oil soaked for extra low drag
- Oil lubricated

Bearing Rotational Torque - Comparison Chart

	Company	Suffix Option	Seal Type	Lubrication
LO Drag Bearing Options	AMI®	FS	Non-Contact	Oil
	Sealmaster	XLO	Low Drag Felt	Oil
	MB®	HFF	Steel Labyrinth	Oil
	Peer®	ZSFF	Steel Labyrinth	Oil
	Sealmaster	LO	Low Drag Felt	Grease
	MB	MHFF	Steel Labyrinth	Grease
	FYH®	DSK3	Non-Contact	Oil
	Peer	ZMKFF	Steel Labyrinth	Grease
Standard Bearing Drag (Reference)	Sealmaster	-	Felt	Grease
	Sealmaster	C	Contact	Grease



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ERX-TREME Options continued

High Temperature

Suffix	Description	Temperature	Environment	Speed Limits
HI*	High Performance High Temp	200°F to 400°F	Dry/Dusty	Pages G-235 to G-240
HIY				

ERX-TREME High Temperature "HI"

- High temperature bearing with increased internal clearance to accommodate thermal expansion of components
- High temperature Nomex seal* and Krytox*-226 grease

ERX-TREME Expansion - High Temperature "HIY"

- Expansion type HI Temperature utilizes a half-dog setscrew combined with a lock wire and is recommended for applications that require expansion capability.
- High temperature bearing with increased radial internal clearance to accommodate thermal expansion of components
- High temperature Nomex seal and Krytox*-226 grease
- Specify as ERX-xx HIY

This may be essential when shafts grow in length due to temperature changes. The single half-dog setscrew has a cylindrical nub that protrudes out of the bottom of the setscrew. The nub is used to mate loosely with a slot milled into the shafting. As the shaft spins, the nub interferes with the slot and positively turns the inner ring. See HIY installation instructions.

Note: All expansion bearings must be used in conjunction with a fixed bearing to stabilize the system.

KRYTOX Extended Lube Grease

- Used in HI and HIY suffix modified bearings
- KYRTOX GPL 226, an extremely high performance perflourinated oil and PTFE thickened grease
- KRYTOX grease has a superior service life and therefore diminishes re-lubrication frequency and extends life
- Engineers have found that, compared to other high temperature greases, the thermal stability and lubricity of the KRYTOX can improve high temperature bearing life by a factor of 4 to 45 times

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Custom Select

High Contamination

Suffix	Description	Temperature	Environment	Speed Limits
DRT	Highly Contaminated	-20°F to 200°F	Highly Contaminated	Pages G-235 to G-240

2C Seal

3C Seal

High Contamination "DRT"

Heavy Duty Multi-Lip contact seal (depending on size and series, either supplied with "2C" double lip or "3C" triple lip seal), 100% Grease Fill with Sealmaster GoldPlex HP Grease.

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Options Availability*

ERX-TREME Options											ER Custom Select Option	
Bore Diameter		Nomenclature Size	Low Drag "LO"		X-Tra Low Drag "XLO"		High Temp. "HI"		High Temp. Exp. "HIY"		High Contamination "DRT"	
inch	mm											
1/2		8	O		O		O					
5/8		10	O		O		O					
11/16		11	O		O							
3/4		12	O	X	O		O	X	O			
	20	204	O	X	O	X		X				
7/8		14	O		O		O		O			
15/16		15	O		O		O		O			
1		16	O	X	O	X	O	X	O		O	X
	25	205	O	X	O	X	O				O	
1 1/8		18	O	X	O	X	O		O			
1 3/16		19	O	X	O	X	O		O			
1 1/4R		20R	O	X	O	X	O		O			
	30	206	O	X	O	X					O	X
1 1/4		20	O	X	O	X	O	X	O		O	
1 5/16		21	O									
1 3/16		22	O	X	O	X	O		O			
1 7/16		23	O	X	O	X	O		O		O	X
	35	207	O	X	O	X	O	X				
1 8/16		24	O	X	O	X	O	X	O		O	
1 9/16		25	O		O		O		O		O	
	40	208	O	X	O	X	O		O			
1 5/8		26		X	O		O				O	
1 11/16		27			O		O		O			
1 3/4		28	O	X	O	X	O		O		O	X
	45	209	O	X	O	X						
1 7/8		30	O				O		O		O	
1 15/16		31	O	X	O	X	O	X	O		O	X
2		32	O	X	O	X	O		O		O	
	50	210	O	X	O	X	O					
2 1/8		34	O									
2 3/16		35	O	X	O	X	O		O		O	X
2 1/4		36	O	X	O		O		O			
2 3/8		38			O		O		O			
2 7/16		39	O	X	O	X	O	X	O		O	X
	60	212					O					
2 1/2		40					O		O			
2 11/16		43					O		O		O	
	70	214										
2 15/16		47	O	X	O	X	O		O		O	
3		48					O		O			
3 3/16		51					O		O		O	
3 1/4		52					O					
3 7/16		55					O		O			
3 15/16		63					O					
4		64					O					

O Setscrew
X Skwezloc Locking Collar
* Sizes and configurations listed in table are subject to change without notice.
For sizes or configurations not listed, contact Bearing Technical Customer Service.

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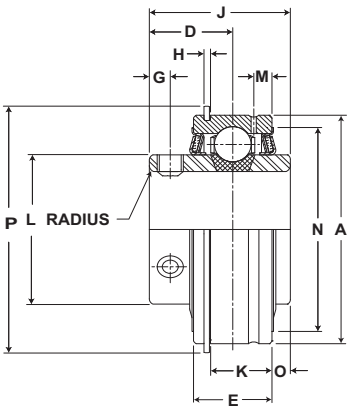
SEALMASTER® Performance Cylindrical OD Bearings (ER)

Duty: Standard
Rolling Elements: Ball
Housing: Cylindrical OD Insert
Lock: Setscrew
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F
Relube: Relube Through Outer Ring Groove



ER Cylindrical O.D. Bearing Insert - Setscrew Locking

Bore Diameter		Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm												Max. Rad. To Clear	Unit Wt. lb/kg
inch	mm			A	D	E	G	H	J	K	L	M	N	O	P		
1/2 9/16 5/8 11/16 3/4	20	ER-8 ER-9 ER-10 ER-11 ER-12 ER-204	2611 11614	1.8504 47	13/16 20.6	5/8 15.9	3/16 4.8	3/64 1.2	1 7/32 31.0	31/64 12.3	1 3/16 30.2	11/64 4.4	1 5/8 41.3	.094 2.39	2 1/16 52.4	.040 1.02	.56 .25
7/8 15/16 1	25	ER-14 ER-15 ER-16 ER-205	2801 12459	2.0472 52	55/64 21.8	3/4 19.1	7/32 5.6	3/64 1.2	1 3/8 34.9	39/64 15.5	1 3/8 34.9	13/64 5.2	1 55/64 47.2	.135 3.43	2 17/64 57.5	.040 1.02	.68 .31
1 1/16 1 1/8 1 3/16 1 1/4	30	ER-17 ER-18 ER-19 ER-20R ER-206	4381 19487	2.4409 62	7/8 22.2	7/8 22.2	7/32 5.6	1/16 1.6	1 1/2 38.1	11/16 17.5	1 19/32 40.5	7/32 5.6	2 5/32 54.8	.188 4.78	2 21/32 67.5	.040 1.02	.93 .42
1 1/4 1 5/16 1 3/8 1 7/16	35	ER-20 ER-21 ER-22 ER-23 ER-207	5782 25718	2.8364 72	1 25.4	15/16 23.8	1/4 6.4	1/16 1.6	1 11/16 42.9	3/4 19.1	1 55/64 47.2	7/32 5.6	2 17/32 64.3	.219 5.56	3 5/64 78.2	.040 1.02	1.37 .62
1 1/2 1 9/16	40	ER-24 ER-25 ER-208	5307 23606	3.1496 80	1 3/16 30.2	1 3/32 27.8	5/16 7.9	1/16 1.6	1 15/16 49.2	29/32 23.0	2 1/16 52.4	1/4 6.4	2 53/64 71.8	.203 5.16	3 13/32 86.5	.062 1.57	2 .91
1 5/8 1 11/16 1 3/4	45	ER-26 ER-27 ER-28 ER-209	7901 35144	3.3465 85	1 3/16 30.2	1 3/32 27.8	5/16 7.9	1/16 1.6	1 15/16 49.2	29/32 23.0	2 19/64 58.3	1/4 6.4	3 1/16 77.8	.203 5.16	3 19/32 91.3	.062 1.57	2.31 1.05
1 13/16 1 7/8 1 15/16 2	50	ER-29 ER-30 ER-31 ER-32R ER-210	7889 35090	3.5433 90	1 9/32 32.5	1 1/8 28.6	3/8 9.5	3/32 2.4	2 1/32 51.6	29/32 23.0	2 15/32 62.7	19/64 7.5	3 7/32 81.8	.188 4.78	3 25/32 96.0	.062 1.57	2.43 1.10
2 2 1/8 2 3/16	55	ER-32 ER-34 ER-35 ER-211	9752 43377	3.9370 100	1 5/16 33.3	1 3/16 30.2	3/8 9.5	3/32 2.4	2 3/16 55.6	31/32 24.6	2 23/32 69.1	19/64 7.5	3 9/16 90.5	.281 7.14	4 3/16 106.4	.080 2.03	3 1.36
2 1/4 2 3/8 2 7/16	60	ER-36 ER-38 ER-39 ER-212	11789 52437	4.3307 110	1 9/16 39.7	1 1/4 31.8	7/16 11.1	3/32 2.4	2 9/16 65.1	1 1/32 26.2	2 63/64 75.8	19/64 7.5	3 29/32 99.2	.375 9.53	4 37/64 116.3	.080 2.03	4 1.81
2 1/2 2 11/16	70	ER-40 ER-43 ER-214	13971 62143	4.9213 125	1 11/16 42.9	1 3/8 34.9	7/16 11.1	7/64 2.8	2 3/4 69.9	1 7/64 28.2	3 7/16 87.3	5/16 7.9	4 7/16 112.7	.375 9.53	5 9/32 134.1	.080 2.03	5.56 2.52
2 7/8 2 15/16	75	ER-46 ER-47 ER-215	14839 66004	5.1181 130	1 3/4 44.5	1 1/2 38.1	7/16 11.1	7/64 2.8	3 1/16 77.8	1 15/16 31.5	1 15/64 92.5	3/8 9.5	4 5/8 117.5	.563 14.30	5 7/16 138.1	.080 2.03	6.37 2.89
3 3 3/16	80	ER-48 ER-51 ER-216	17412 77449	5.5118 140	1 15/16 49.2	1 11/16 42.9	17/32 13.5	7/64 2.8	3 1/4 82.6	1 25/64 35.3	3 59/64 99.6	7/16 11.1	4 63/64 126.6	.469 11.91	5 13/16 147.6	.120 3.05	7.85 3.56
3 1/4 3 3/8 3 7/16		ER-52 ER-54 ER-55	18681 83093	5.9055 150	2 1/32 51.6	1 15/16 49.2	15/32 11.9	7/64 2.8	3 3/8 85.7	1 41/64 41.7	4 5/32 105.6	7/16 11.1	5 19/64 134.5	.375 9.53	6 9/32 159.5	.120 3.05	9.5 4.31
3 15/16 4		ER-63 ER-64	29905 133017	7.4803 190	2 11/16 68.3	2 1/2 63.5	3/4 19.1	1/8 3.2	4 5/8 117.5	2 5/32 54.8	5 11/64 131.4	11/16 17.5	6 21/32 169.1	.688 17.48	8 203.2	.120 3.05	22 9.98

For Housing fit guidelines see page G-259.
Felt seal standard. For contact seal add suffix "C" ER-16C.

Outside diameter may be oversized due to seal press fit.
Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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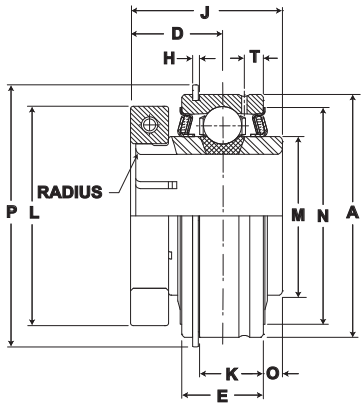
Performance Cylindrical OD Bearings (ER)

SEALMASTER®

Duty: Standard
Rolling Elements: Ball
Housing: Cylindrical OD Insert
Lock: SKWEZLOC Locking Collar
Seal: Felt
Optional Seal: Contact
Temperature: -20° to 220°F
Relube: Relube Through Outer Ring Groove



ER-T Cylindrical O.D. Bearing - SKWEZLOC Locking Collar - Inch

Bore Diameter inch	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm												Max. Rad. To Clear	Unit Wt. lb/kg
			A	D	E	H	J	K	L	M	N	O	P	T		
3/4	ER-12T	2611 11614	1.8504 47.0	7/8 19.8	5/8 15.9	3/64 1.2	1 9/32 32.5	31/64 12.3	1 3/4 44.5	1 3/16 30.2	1 5/8 41.3	.094 2.39	2 1/16 52.4	1/8 3.2	.04 1.02	.56 .25
1	ER-16T	2801 12459	2.0472 52.0	59/64 22.1	3/4 19.1	3/64 1.2	1 7/16 36.5	39/64 15.5	1 15/16 49.2	1 3/8 34.9	1 27/32 46.8	.135 3.43	2 17/64 57.5	13/64 5.2	.04 1.02	.68 .31
1 1/8 1 3/16 1 1/4	ER-18T ER-19T ER-20RT	4381 19487	2.4409 62.0	15/16 23.8	7/8 22.2	1/16 1.6	1 9/16 39.7	11/16 17.5	2 3/16 55.6	1 19/32 40.5	2 5/32 54.8	.188 4.78	2 21/32 67.5	7/32 5.6	.04 1.02	.93 .42
1 1/4	ER-20T	5782 25718	2.8346 72.0	1 1/16 27.0	15/16 23.8	1/16 1.6	1 3/4 44.5	3/4 19.1	2 7/16 61.9	1 55/64 47.2	2 17/32 64.3	.219 5.56	3 5/64 78.2	7/32 5.6	.04 1.02	1.37 .62
1 3/8 1 7/16	ER-22T ER-23T	5782 25718	2.8346 72.0	1 1/16 27.0	15/16 23.8	1/16 1.6	1 3/4 44.5	3/4 19.1	2 9/16 65.1	1 55/64 47.2	2 17/32 64.3	.219 5.56	3 5/64 78.2	7/32 5.6	.04 1.02	1.37 .62
1 1/2	ER-24T	7340 32648	3.1496 80.0	1 1/4 31.8	1 3/32 27.8	1/16 1.6	2 50.8	29/32 23.0	2 11/16 68.3	2 1/16 52.4	2 53/64 71.8	.203 5.16	3 13/32 86.5	1/4 6.4	.06 1.57	2.00 .91
1 5/8	ER-26T	7901 35144	3.3465 85.0	1 1/4 31.8	1 3/32 27.8	1/16 1.6	2 50.8	29/32 23.0	2 13/16 71.4	2 19/64 58.3	3 1/32 77.0	.203 5.16	3 19/32 91.3	1/4 6.4	.06 1.57	2.31 1.05
1 11/16 1 3/4	ER-27T ER-28T	7901 35144	3.3465 85.0	1 1/4 31.8	1 3/32 27.8	1/16 1.6	2 50.8	29/32 23.0	2 15/16 74.6	2 19/64 58.3	3 1/32 77.0	.203 5.16	3 19/32 91.3	1/4 6.4	.06 1.57	2.31 1.05
1 15/16	ER-31T	7889 35090	3.5433 90.0	1 11/32 34.1	1 1/8 28.6	3/32 2.4	2 3/32 53.2	29/32 23.0	3 3/8 85.7	2 15/32 62.7	3 7/32 81.8	.188 4.78	3 25/32 96.0	19/64 7.5	.06 1.57	2.43 1.10
2	ER-32T	9752 43377	3.9370 100.0	1 3/8 34.9	1 3/16 30.2	3/32 2.4	2 1/4 57.2	31/32 24.6	3 1/2 88.9	2 23/32 69.1	3 9/16 90.5	.281 7.14	4 3/16 106.4	19/64 7.5	.08 2.03	3.00 1.36
2 3/16	ER-35T	9752 43377	3.9370 100.0	1 3/8 34.9	1 3/16 30.2	3/32 2.4	2 1/4 57.2	31/32 24.6	3 5/8 92.1	2 23/32 69.1	3 9/16 90.5	.281 7.14	4 3/16 106.4	19/64 7.5	.08 2.03	3.00 1.36
2 1/4	ER-36T	11789 52437	4.3307 110.0	1 5/8 41.3	1 1/4 31.8	3/32 2.4	2 5/8 66.7	1 1/32 26.2	4 1/16 103.2	2 63/64 75.8	3 29/32 99.2	.375 9.53	4 37/64 116.3	19/64 7.5	.08 2.03	4.00 1.81
2 3/8 2 7/16	ER-38T ER-39T	11789 52437	4.3307 110.0	1 5/8 41.3	1 1/4 31.8	3/32 2.4	2 5/8 66.7	1 1/32 26.2	4 1/8 104.8	2 63/64 75.8	3 29/32 99.2	.375 9.53	4 37/64 116.3	19/64 7.5	.08 2.03	4.00 1.81

ER-T Cylindrical O.D. Bearing - SKWEZLOC Locking Collar - Metric - SKWEZ™

Bore Diameter mm	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch												Max. Rad. To Clear	Unit Wt. kg/lb
			A	D	E	L	H	J	K	M	N	O	P	T		
20	ER-204TMC	11614 2611	47.0 1.8504	19.8 7/8	15.9 5/8	44.5 1 3/4	1.2 3/64	32.5 1 9/32	12.3 31/64	30.2 1 3/16	41.3 1 5/8	2.39 .094	52.4 2 1/16	3.2 1/8	1.02 .04	.25 .56
25	ER-205TMC	12459 2801	52.0 2.0472	22.1 59/64	19.1 3/4	49.2 1 15/16	1.2 3/64	36.5 1 7/16	15.5 39/64	34.9 1 3/8	46.8 1 27/32	3.43 .135	57.5 2 17/64	5.2 13/64	1.02 .04	.31 .68
30	ER-206TMC	19487 4381	62.0 2.4409	23.8 15/16	22.2 7/8	55.6 2 3/16	1.6 1/16	39.7 1 9/16	17.5 11/16	40.5 1 19/32	54.8 2 5/32	4.75 .187	67.5 2 21/32	5.6 7/32	1.02 .04	.42 .93
35	ER-207TMC	25718 5782	72.0 2.8346	27.0 1 1/16	23.8 15/16	65.1 2 9/16	1.6 1/16	44.5 1 3/4	19.1 3/4	47.2 1 55/64	64.3 2 17/32	5.56 .219	78.2 3 5/64	5.6 7/32	1.02 .04	.62 1.37
40	ER-208TMC	32648 7340	80.0 3.1496	31.8 1 1/4	27.8 1 3/32	68.3 2 11/16	1.6 1/16	50.8 2	23.0 29/32	52.4 2 1/16	71.8 2 53/64	4.76 .188	86.5 3 13/32	6.4 1/4	1.57 .06	.91 2.00
45	ER-209TMC	35144 7901	85.0 3.3465	31.8 1 1/4	27.8 1 3/32	74.6 2 15/16	1.6 1/16	50.8 2	23.0 29/32	58.3 2 19/64	77.0 3 1/32	4.76 .188	91.3 3 19/32	6.4 1/4	1.57 .06	1.05 2.31
50	ER-210TMC	35090 7889	90.0 3.5433	34.1 1 11/32	28.6 1 1/8	85.7 3 3/8	2.4 3/32	53.2 2 3/32	23.0 29/32	62.7 2 15/32	81.8 3 7/32	4.78 .188	96.0 3 25/32	7.5 19/64	1.57 .06	1.10 2.43
55	ER-211TMC	43377 9752	100.0 3.9370	34.9 1 3/8	30.2 1 3/16	92.1 3 5/8	2.4 3/32	57.2 2 1/4	24.6 31/32	69.1 2 23/32	90.5 3 9/16	7.14 .281	106.4 4 3/16	7.5 19/64	2.03 .08	1.36 3.00
60	ER-212TMC	52437 11789	110.0 4.3307	41.3 1 5/8	31.8 1 1/4	104.8 4 1/8	2.4 3/32	66.7 2 5/8	26.2 1 1/32	75.8 2 63/64	99.2 3 29/32	9.53 .375	116.3 4 37/64	7.5 19/64	2.03 .08	1.81 4.00

For Housing fit guidelines see page G-259. For Replacement Lock Collar see page G-98.

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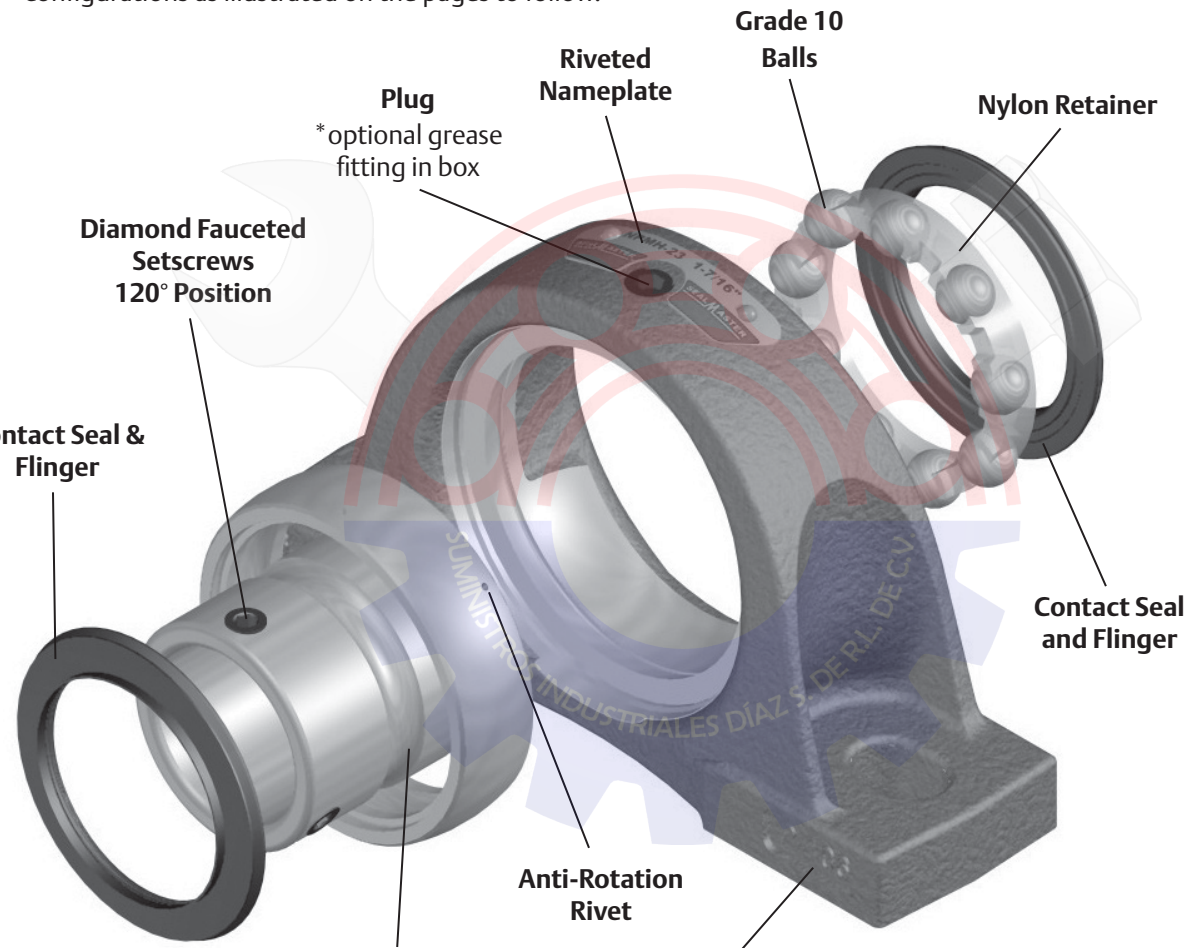
SEALMASTER® *Material Handling Bearings*

Sealmaster Material Handling Mounted Ball Bearings

Sealmaster material handling mounted ball bearings feature cast iron housings, an extended inner race insert bearing with ball riding nylon retainer. The insert features a rivet to prevent outer ring rotation and is available with setscrew or SKWEZLOC® concentric locking collar and optional snap on end cover. The contact seal, with black oxide treated flinger provides a good balance between contaminant resistance, grease loss and friction. Depending on your preference, these bearings are available in common unit material handling industry bore sizes and housing configurations as illustrated on the pages to follow.



Optional End Cap
order separately

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Material Handling Mounted Ball Nomenclature

Housing Units

Housing - Housing Style
- NP - Pillow Block - High Base
- TB - Tapped Base Pillow Block
- SF - Four Bolt Flange
- SFT - Two Bolt Flange
- FB - Flange Bracket
- ST - Wide Slot Take Up

Material Handling Bearing

Bore Size*
- Inch - ##/16 (ex. 20/16 = 1 1/4")
- R for 1 1/4" and 2" Reduced Only

Locking Option*
- T - Skwezloc® Locking Collar

Common Option*
- CSK - 90° Lube Fitting

NP MH-16 T CSK

Inserts

Material Handling

Bore Size*
- Inch - ##/16 (ex. 20/16 = 1 1/4")
- R for 1 1/4" and 2" Reduced Only

Standard Option*
- Setscrew
- T - Skwezloc® Locking Collar

MH-16 T

*Note: Configurations are not available in all sizes or housing styles. Consult the product tables and engineering sections for more detail or consult a Bearing Application Engineer.

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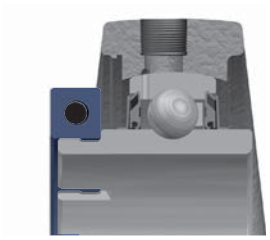
SEALMASTER® *Material Handling Bearings*

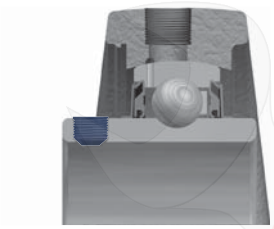
Features and Benefits

Multiple Locking Methods



Skwezloc® Concentric Locking Collar

SKWEZLOC is a concentric locking collar clamp design that results in near-perfect concentricity of the shaft to the bearing bore and maintains near perfect ball path roundness, while reducing fretting corrosion. This design eliminates the shaft damage of setscrew locking, and minimizes bearing induced vibration for smoother quieter operation. The collar has a TORX head cap screw that outlasts stripping 12 times longer than hex head cap screws.



Setscrew Locking

120° spaced, balanced three point contact minimizes inner ring distortion vibration, reduces noise, and improves reliability. Precision manufactured diamond faceted setscrews contributes to improved clamping and resistance to back out.

Sealing

Positive contact molded nitrile rubber contact seal with an auxiliary flinger element standard. The contact seal allows grease purge and helps keep contamination out of the bearing while the flinger provides a rotating shield that directs contamination away from the seal.

Sealed for Life

The Sealmaster Material Handling Bearings are supplied with a plug in the housing to prevent relubrication. A standard lubrication fitting is supplied loose in the box for those customers who prefer relubricating the bearings.

End Caps

The Sealmaster Material Handling Bearings housing are machined to accept an optional safety yellow polymer snap on end cap to cover rotating shafts, allowing users to better conform to OSHA requirements for personal protection from rotating shafts. The end cap can easily snap into the housing without the need for special tooling.

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Features and Benefits continued

Anti-Rotation Rivet

An Anti-rotation rivet prevents outer ring creep, or rotation, within the housing.

Zone Hardened Inner Race

Sealmaster incorporates a unique heat treat process that hardened the inner race only where it is needed...under the ball path. The zone hardened inner race results in improved lock reliability as a result of less distortion at setscrew location and improved thread conformity resulting in improved clamping and resistance to setscrew back-out.

Solid Cast Iron Base

Solid bases are standard on Sealmaster Material Handling ball bearing pillow blocks. The solid base provides improved stability, resistance to shock and vibration and prevents frame buckling under base compared to semi-solid and hollow mounting bases.

Nameplate

Metal nameplate riveted to the housing allows for easy identification even after years of operation.

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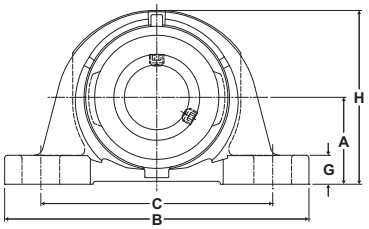
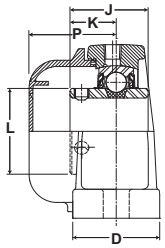
SEALMASTER® Material Handling Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F
Relube: Plugged, Grease Fitting Included





NPMH Series Standard Duty Pillow Block - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	C Min.	C Max.	D	G	H	J	K	L	P		
1	NPMH-16	MH-16	ECC-16	2801 12459	1 7/16 36.5	5 1/2 139.7	3 7/8 98.4	4 3/8 111.1	1 1/2 38.1	1/2 12.7	2 13/16 71.4	1 3/8 34.9	13/16 20.6	1 3/8 34.9	1 11/16 42.9	3/8	2.0 .91
1 3/16 1 1/4	NPMH-19 NPMH-20R	MH-19 MH-20R	ECC-19	4381 19487	1 11/16 42.9	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	9/16 14.3	3 3/8 85.7	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1 3/4 44.5	1/2	3.6 1.62
1 1/4 1 7/16	NPMH-20 NPMH-23	MH-20 MH-23	ECC-23	5782 25718	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	1 11/16 42.9	1 25.4	1 55/64 47.2	1 7/8 47.6	1/2	4.4 1.98
1 1/2	NPMH-24	MH-24	ECC-24	7340 32648	1 15/16 49.2	7 1/4 184.2	4 7/8 123.8	5 7/8 149.2	2 1/8 54.0	11/16 17.5	3 15/16 100.0	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	2 1/16 52.4	1/2	5.4 2.45
1 11/16	NPMH-27	MH-27	ECC-27	7901 35144	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	2 1/6 52.4	1/2	6.1 2.75
1 15/16	NPMH-31	MH-31	ECC-31	7889 35090	2 1/4 57.2	8 1/8 206.4	6 152.4	6 1/2 165.1	2 3/8 60.3	3/4 19.1	4 9/16 115.9	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	2 1/16 52.4	5/8	7.4 3.34
2 2 3/16	NPMH-32 NPMH-35	MH-32 MH-35	ECC-35	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	11/16 17.5	4 15/16 125.4	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	2 15/64 56.8	5/8	9.4 4.24

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Pillow Block

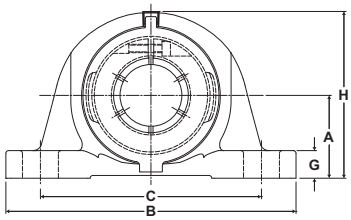
Self Alignment: +/- 1.5 Degrees

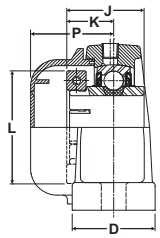
Lock: Skwezloc Locking Collar

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included





NPMH-T Series Standard Duty Pillow Block - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	C Min.	C Max.	D	G	H	J	K	L	P		
1	NPMH-16T	MH-16T	ECC-16	2801 12459	1 7/16 36.5	5 1/2 139.7	3 7/8 98.4	4 3/8 111.1	1 1/2 38.1	1/2 12.7	2 13/16 71.4	1 7/16 36.5	7/8 22.2	1 15/16 49.2	1 11/16 42.9	3/8	2.1 .96
1 3/16 1 1/4	NPMH-19T NPMH-20RT	MH-19T MH-20RT	ECC-19 ECC-19	4381 19487	1 11/16 42.9	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	9/16 14.3	3 3/8 85.7	1 9/16 39.7	15/16 23.8	2 3/16 55.6	1 3/4 44.5	1/2	3.8 1.70
1 1/4	NPMH-20T	MH-20T	ECC-23	5782 25718	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1 7/8 47.6	1/2	4.6 2.08
1 7/16	NPMH-23T	MH-23T	ECC-23	5782 25718	1 7/8 47.6	6 9/16 166.7	4 11/16 119.1	5 5/16 134.9	1 7/8 47.6	5/8 15.9	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1 7/8 47.6	1/2	4.5 2.02
1 1/2	NPMH-24T	MH-24T	ECC-24	7340 32648	1 15/16 49.2	7 1/4 184.2	4 7/8 123.8	5 7/8 149.2	2 1/8 54.0	11/16 17.5	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	2 1/6 52.4	1/2	5.7 2.57
1 11/16	NPMH-27T	MH-27T	ECC-27	7901 35144	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	2 50.8	1 1/4 31.8	2 15/16 74.6	2 1/16 52.4	1/2	6.4 2.88
1 15/16	NPMH-31T	MH-31T	ECC-31	7889 35090	2 1/4 57.2	8 1/8 206.4	6 152.4	6 1/2 165.1	2 3/8 60.3	3/4 19.1	4 9/16 115.9	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	2 1/16 52.4	5/8	8.0 3.62
2	NPMH-32T	MH-32T	ECC-35	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	11/16 17.5	4 15/16 125.4	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	2 15/64 56.8	5/8	9.9 4.50
2 3/16	NPMH-35T	MH-35T	ECC-35	9752 43377	2 1/2 63.5	8 5/8 219.1	6 1/2 165.1	7 177.8	2 3/8 60.3	11/16 17.5	4 15/16 125.4	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	2 15/64 56.8	5/8	9.6 4.37

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

For Replacement Lock Collar see page G-98.

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SEALMASTER® *Material Handling Bearings*

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Tapped Base

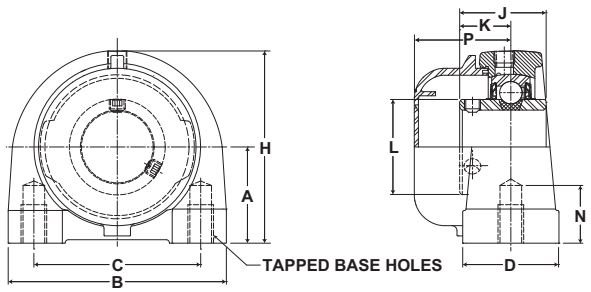
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included



TBMH Series Tapped Base Pillow Block - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt UNC-2B Thread	Unit Wt. lb/kg
					A	B	C	D	H	J	K	L	P	N Min. Tap Depth		
1	TBMH-16	MH-16	ECC-16	2801 12459	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 3/8 34.9	13/16 20.6	1 3/8 34.9	1 3/4 44.5	1/2 12.7	3/8-16	1.6 .72
1 3/16 1 1/4	TBMH-19 TBMH-20R	MH-19 MH-20R	ECC-19	4381 19487	1 3/4 44.5	4 101.6	3 76.2	1 1/2 38.1	3 13/32 86.5	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1 49/64 44.8	5/8 15.9	7/16-14	2.9 1.30
1 1/4 1 7/16	TBMH-20 TBMH-23	MH-20 MH-23	ECC-23 ECC-23	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 11/16 42.9	1 25.4	1 55/64 47.2	1 7/8 47.6	3/4 19.1	1/2-13	3.9 1.75
1 1/2	TBMH-24	MH-24	ECC-24	7340 32648	1 15/16 49.2	4 5/8 117.5	3 1/2 88.9	1 7/8 47.6	3 15/16 100.0	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	2 3/32 53.2	3/4 19.1	1/2-13	4.6 2.10
1 11/16	TBMH-27	MH-27	ECC-27	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	2 5/32 54.8	3/4 19.1	1/2-13	5.7 2.57
1 15/16	TBMH-31	MH-31	ECC-31	7889 35090	2 1/4 57.2	5 1/2 139.7	4 101.6	2 50.8	4 5/8 117.5	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	2 1/8 53.9	7/8 22.2	5/8-11	6.7 3.05

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Tapped Base

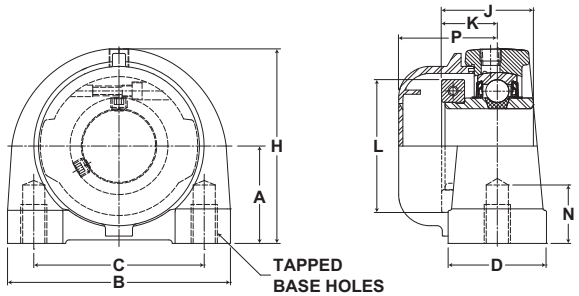
Self Alignment: +/- 1.5 Degrees

Lock: Skwezloc Locking Collar

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included



TBMH-T Series Tapped Base Pillow Block - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt UNC-2B Thread	Unit Wt. lb/kg
					A	B	C	D	H	J	K	L	P	N Min. Tap Depth		
1	TBMH-16T	MH-16T	ECC-16	2801 12459	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 7/16 36.5	7/8 22.2	1 15/16 49.2	1 3/4 44.5	1/2 12.7	3/8-16	1.7 .78
1 3/16 1 1/4	TBMH-19T TBMH-20RT	MH-19T MH-20RT	ECC-19	4381 19487	1 3/4 44.5	4 101.6	3 76.2	1 1/2 38.1	3 13/32 86.5	1 9/16 39.7	15/16 23.8	2 3/16 55.6	1 49/64 44.8	5/8 15.9	7/16-14	3.0 1.37
1 1/4	TBMH-20T	MH-20T	ECC-23	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1 7/8 47.6	3/4 19.1	1/2-13	4.1 1.85
1 7/16	TBMH-23T	MH-23T	ECC-23	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1 7/8 47.6	3/4 19.1	1/2-13	3.9 1.79
1 1/2	TBMH-24T	MH-24T	ECC-24	7340 32648	1 15/16 49.2	4 5/8 117.5	3 1/2 88.9	1 7/8 47.6	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	2 3/32 53.2	3/4 19.1	1/2-13	4.9 2.22
1 11/16	TBMH-27T	MH-27T	ECC-27	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	2 50.8	1 1/4 31.8	2 15/16 74.6	2 5/32 54.8	3/4 19.1	1/2-13	6.0 2.70
1 15/16	TBMH-31T	MH-31T	ECC-31	7889 35090	2 1/4 57.2	5 1/2 139.7	4 101.6	2 50.8	4 5/8 117.5	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	2 1/8 53.9	7/8 22.2	5/8-11	7.3 3.32

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

For Replacement Lock Collar see page G-98.

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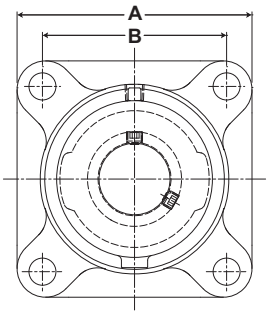
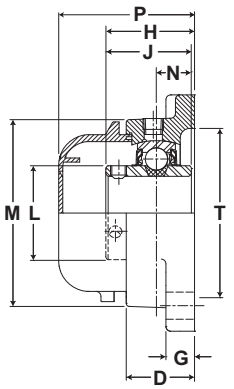
SEALMASTER® Material Handling Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F
Relube: Plugged, Grease Fitting Included





SFMH Series Standard Duty 4-Bolt Flange - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	D	G	H	J	L	M	N	P	T		
1	SFMH-16	MH-16	ECC-16	2801 12459	3 3/4 95.3	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 7/16 36.5	1 3/8 34.9	1 3/8 34.9	2 23/32 69.1	9/16 14.3	2 19/64 58.3	2 3/8 60.3	7/16	1.9 .87
1 3/16 1 1/4R	SFMH-19 SFMH-20R	MH-19 MH-20R	ECC-19	4381 19487	4 1/4 108.0	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 9/16 39.7	1 1/2 38.1	1 19/32 40.5	3 7/32 81.8	5/8 15.9	2 27/64 61.5	2 7/8 73.0	7/16	2.7 1.23
1 1/4 1 7/16	SFMH-20 SFMH-23	MH-20 MH-23	ECC-23 ECC-23	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 3/4 44.5	1 11/16 42.9	1 55/64 47.2	3 23/32 94.5	11/16 17.5	2 43/64 67.8	3 5/16 84.1	1/2	3.7 1.68
1 1/2	SFMH-24	MH-24	ECC-24	7340 32648	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 1/64 51.2	1 15/16 49.2	2 1/16 52.4	4 5/64 103.6	3/4 19.1	2 15/16 74.6	3 1/2 88.9	1/2	4.8 2.18
1 11/16	SFMH-27	MH-27	ECC-27	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	2 19/64 58.3	4 21/64 109.9	3/4 19.1	3 76.2	3 3/8 85.7	1/2	5.4 2.43
1 15/16	SFMH-31	MH-31	ECC-31	7889 35090	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	4 33/64 114.7	3/4 19.1	2 63/64 75.8	4 101.6	9/16	5.7 2.60
2 2 3/16	SFMH-32 SFMH-35	MH-32 MH-35	ECC-35 ECC-35	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	2 23/32 69.1	5 3/16 131.8	7/8 22.2	3 23/64 85.3	4 1/4 108.0	5/8	9.9 4.48
2 7/16	SFMH-39	MH-39	ECC-39	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 11/16 68.3	2 34/61 65.0	2 63/64 75.8	5 7/16 138.1	1 25.4	3 45/64 94.1	4 1/4 108.0	5/8	10.6 4.80

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Four Bolt Flange

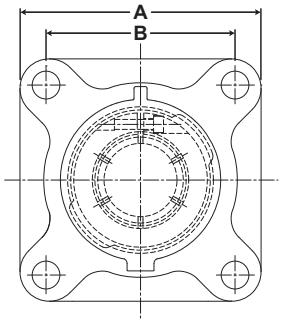
Self Alignment: +/- 1.5 Degrees

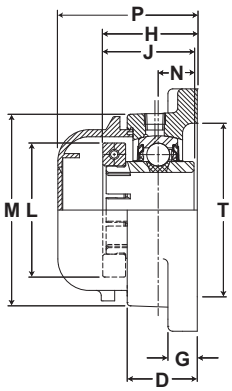
Lock: Skwezloc

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included





SFMH-T Series Standard Duty 4-Bolt Flange - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	D	G	H	J	L	M	N	P	T		
1	SFMH-16T	MH-16T	ECC-16	2801 12459	3 3/4 95.3	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 1/2 38.1	1 7/16 36.5	1 15/16 49.2	2 23/32 69.1	9/16 14.3	2 19/64 58.3	2 3/8 60.3	7/16	2.0 .92
1 3/16 1 1/4R	SFMH-19T SFMH-20RT	MH-19T MH-20RT	ECC-19	4381 19487	4 1/4 108.0	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 3/16 55.6	3 7/32 81.8	5/8 15.9	2 27/64 61.5	2 7/8 73.0	7/16	2.9 1.31
1 1/4	SFMH-20T	MH-20T	ECC-23	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	3 23/32 94.5	11/16 17.5	2 43/64 67.8	3 5/16 84.1	1/2	3.9 1.78
1 7/16	SFMH-23T	MH-23T	ECC-23	5782 25718	4 5/8 117.5	3 5/8 92.1	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 9/16 65.1	3 23/32 94.5	11/16 17.5	2 11/16 68.3	3 5/16 84.1	9/16	3.8 1.72
1 1/2	SFMH-24T	MH-24T	ECC-24	7340 32648	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 5/64 52.8	2 50.8	2 11/16 68.3	4 5/64 103.6	3/4 19.1	2 15/16 74.6	3 1/2 88.9	1/2	5.1 2.30
1 11/16	SFMH-27T	MH-27T	ECC-27	7901 35144	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	2 15/16 74.6	4 21/64 109.9	3/4 19.1	3 76.2	3 7/8 98.4	1/2	5.7 2.56
1 15/16	SFMH-31T	MH-31T	ECC-31	7889 35090	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	4 33/64 114.7	3/4 19.1	2 63/64 75.8	4 101.6	9/16	6.3 2.88
2	SFMH-32T	MH-32T	ECC-35	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 3/32 53.2	3 1/2 88.9	5 3/16 131.8	7/8 22.2	3 23/64 85.3	4 1/4 108.0	5/8	10.5 4.74
2 3/16	SFMH-35T	MH-35T	ECC-35	9752 43377	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 5/8 92.1	5 3/16 131.8	7/8 22.2	3 23/64 85.3	4 1/4 108.0	5/8	10.9 4.94
2 7/16	SFMH-39T	MH-39T	ECC-39	11789 52437	6 7/8 174.6	5 5/8 142.9	1 15/16 49.2	13/16 20.6	2 11/16 68.3	2 34/61 65.0	4 1/8 104.8	1 25.4	5 7/16 138.1	3 45/64 94.1	4 1/4 108.0	5/8	11.7 5.32

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

For Replacement Lock Collar see page G-98.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER®

Material Handling Bearings

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Two Bolt Flange

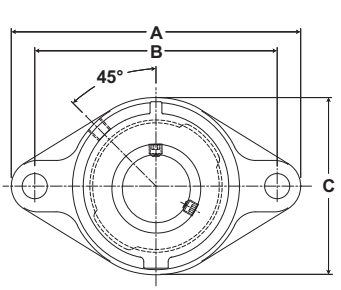
Self Alignment: +/- 1.5 Degrees

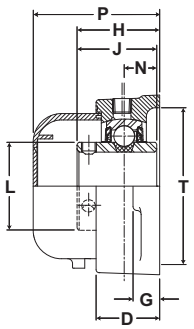
Lock: Setscrew

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included





SFTMH Series Standard Duty 2-Bolt Flange - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	C	D	G	H	J	L	N	P	T		
1	SFTMH-16	MH-16	ECC-16	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 7/16 36.5	1 3/8 34.9	1 3/8 34.9	9/16 14.3	2 19/64 58.3	2 3/8 60.3	7/16	1.4 .61
1 3/16 1 1/4R	SFTMH-19 SFTMH-20R	MH-19 MH-20R	ECC-19	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 9/16 39.7	1 1/2 38.1	1 19/32 40.5	5/8 15.9	2 27/64 61.5	2 7/8 73.0	7/16	2.0 0.92
1 1/4 1 7/16	SFTMH-20 SFTMH-23	MH-20 MH-23	ECC-23	5782 25718	6 1/8 155.6	5 1/8 130.2	3 3/4 95.3	1 11/32 34.1	9/16 14.3	1 3/4 44.5	1 11/16 42.9	1 55/64 47.2	11/16 17.5	2 43/64 67.8	3 5/16 84.1	1/2	3.2 1.45
1 1/2	SFTMH-24	MH-24	ECC-24	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 1/2 38.1	9/16 14.3	2 1/64 51.2	1 15/16 49.2	2 1/16 52.4	3/4 19.1	2 15/16 74.6	3 1/2 88.9	1/2	3.9 1.79
1 11/16	SFTMH-27	MH-27	ECC-27	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	2 19/64 58.3	3/4 19.1	3 76.2	3 7/8 98.4	9/16	4.4 2.00
1 15/16	SFTMH-31	MH-31	ECC-31	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	3/4 19.1	2 63/64 75.8	4 101.6	5/8	4.7 2.12
2 2 3/16	SFTMH-32 SFTMH-35	MH-32 MH-35	ECC-35	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 3/4 44.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	2 23/32 69.1	7/8 22.2	3 5/32 80.2	4 1/4 108.0	5/8	7.7 3.51

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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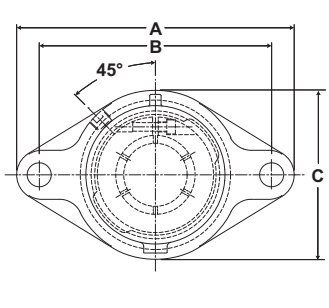
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Skwezloc Locking Collar
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F
Relube: Plugged, Grease Fitting Included



SFTMH-T Series Standard Duty 2-Bolt Flange - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
					A	B	C	D	G	H	J	L	N	P	T		
1	SFTMH-16T	MH-16T	ECC-16	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	1 1/32 26.2	17/32 13.5	1 1/2 38.1	1 7/16 36.5	1 15/16 49.2	9/16 14.3	2 19/64 58.3	2 3/8 60.3	7/16	1.5 .67
1 3/16 1 1/4R	SFTMH-19T SFTMH-20RT	MH-19T MH-20RT	ECC-19	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/4 82.6	1 11/64 29.8	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 3/16 55.6	5/8 15.9	2 27/64 61.5	2 7/8 73.0	7/16	2.2 .99
1 1/4	SFTMH-20T	MH-20T	ECC-23	5782 25718	6 1/8 155.6	5 1/8 130.2	3 3/4 95.3	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	11/16 17.5	2 43/64 67.8	3 5/16 84.1	1/2	3.5 1.58
1 7/16	SFTMH-23T	MH-23T	ECC-23	5782 25718	6 1/8 155.6	5 1/8 130.2	3 3/4 95.3	1 11/32 34.1	9/16 14.3	1 13/16 46.0	1 3/4 44.5	2 9/16 65.1	11/16 17.5	2 43/64 67.8	3 5/16 84.1	1/2	3.3 1.49
1 1/2	SFTMH-24T	MH-24T	ECC-24	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 1/2 38.1	9/16 14.3	2 5/64 52.8	2 50.8	2 11/16 68.3	3/4 19.1	2 15/16 74.6	3 1/2 88.9	1/2	4.2 1.91
1 11/16	SFTMH-27T	MH-27T	ECC-27	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 7/64 53.6	2 50.8	2 15/16 74.6	3/4 19.1	3 76.2	3 7/8 98.4	9/16	4.7 2.14
1 15/16	SFTMH-31T	MH-31T	ECC-31	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 9/16 39.7	9/16 14.3	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	3/4 19.1	2 63/64 75.8	4 101.6	5/8	5.3 2.39
2	SFTMH-32T	MH-32T	ECC-35	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 3/32 53.2	3 1/2 88.9	7/8 22.2	3 5/32 80.2	4 1/4 108.0	5/8	8.3 3.77
2 3/16	SFTMH-35T	MH-35T	ECC-35	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 5/8 92.1	7/8 22.2	3 5/32 80.2	4 1/4 108.0	5/8	8.1 3.66

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.
For Replacement Lock Collar see page G-98.

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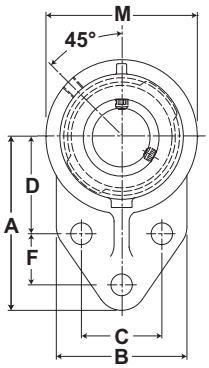
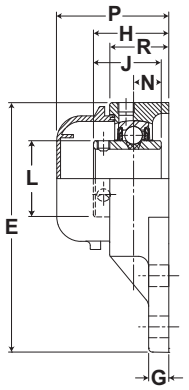
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® *Material Handling Bearings*

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Flange Bracket
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F
Relube: Plugged, Grease Fitting Included





FBMH Series Standard Duty Flange Bracket - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm														Bolt Size	Unit Wt. lb/kg
					A	B	C	D	E	F	G	H	J	L	M	N	P	R		
1	FBMH-16	MH-16	ECC-16	2801 12459	3 3/8 85.7	2 1/2 63.5	1 5/8 41.3	1 13/16 46.0	4 3/4 120.7	1 1/8 28.6	3/8 9.5	1 1/2 38.1	1 3/8 34.9	1 3/8 34.9	2 3/4 69.9	9/16 14.3	2 23/64 59.9	1 3/32 27.8	3/8	1.5 .68
1 3/16 1 1/4R	FBMH-19 FBMH-20R	MH-19 MH-20R	ECC-19	4381 19487	3 3/4 95.3	2 3/4 69.9	1 7/8 47.6	2 1/16 52.4	5 23/64 136.1	1 1/4 31.8	3/8 9.5	1 5/8 41.3	1 1/2 38.1	1 19/32 40.5	3 7/32 81.8	5/8 15.9	2 15/32 62.7	1 15/64 31.4	3/8	2.1 0.96
1 1/4 1 7/16	FBMH-20 FBMH-23	MH-20 MH-23	ECC-23	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 7/8 47.6	1 11/16 42.9	1 55/64 47.2	3 3/4 95.3	11/16 17.5	2 25/32 70.6	1 15/32 37.3	1/2	3.6 1.62
1 15/16	FBMH-31	MH-31	ECC-31	7889 35090	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 15/32 189.7	1 5/8 41.3	1/2 12.7	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	4 9/16 115.9	3/4 19.1	2 31/32 75.4	1 35/64 39.3	1/2	5.4 2.44

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

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SUMINISTROS INDUSTRIALES DÍAZ

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Flange Bracket

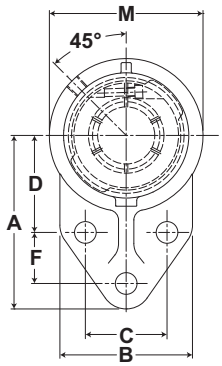
Self Alignment: +/- 1.5 Degrees

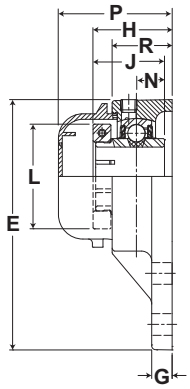
Lock: Skwezloc Locking Collar

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included





FBMH-T Series Standard Duty Flange Bracket - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm													Bolt Size	Unit Wt. lb/kg
					A	B	C	D	E	F	G	H	J	L	M	N	P	R	
1	FBMH-16T	MH-16T	ECC-16	2801 12459	3 3/8 85.7	2 1/2 63.5	1 5/8 41.3	1 13/16 46.0	4 3/4 120.7	1 1/8 28.6	3/8 9.5	1 9/16 39.7	1 7/16 36.5	1 15/16 49.2	2 3/4 69.9	9/16 14.3	2 23/64 59.9	1 3/32 27.8	3/8	1.7 .75
1 3/16 1 1/4R	FBMH-19T FBMH-20RT	MH-19T MH-20RT	ECC-19	4381 19487	3 3/4 95.3	2 3/4 69.9	1 7/8 47.6	2 1/16 52.4	5 23/64 136.1	1 1/4 31.8	3/8 9.5	1 11/16 42.9	1 9/16 39.7	2 3/16 55.6	3 7/32 81.8	5/8 15.9	2 15/32 62.7	1 15/64 31.4	3/8	2.3 1.04
1 1/4	FBMH-20T	MH-20T	ECC-23	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 15/16 49.2	1 3/4 44.5	2 7/16 61.9	3 3/4 95.3	11/16 17.5	2 25/32 70.6	1 15/32 37.3	1/2	3.8 1.73
1 7/16	FBMH-23T	MH-23T	ECC-23	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 15/16 49.2	1 3/4 44.5	2 9/16 65.1	3 3/4 95.3	11/16 17.5	2 25/32 70.6	1 15/32 37.3	1/2	3.7 1.66
1 15/16	FBMH-31T	MH-31T	ECC-31	7889 35090	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 15/32 189.7	1 5/8 41.3	1/2 12.7	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	4 9/16 115.9	3/4 19.1	2 31/32 75.4	1 35/64 39.3	1/2	6.0 2.72

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

For Replacement Lock Collar see page G-98.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Material Handling Bearings

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Wide Slot Take Up

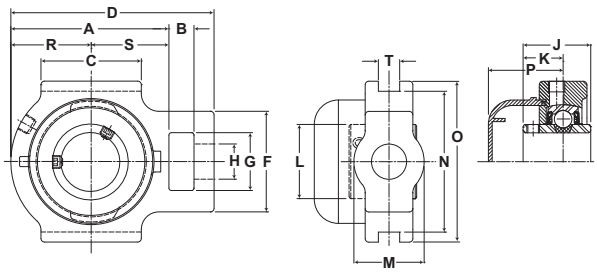
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included



STMH Series Standard Duty Wide Slot Take Up - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm																	Unit Wt. lb/kg
					A	B	C	D	F	G	H Core	J	K	L	M Hub	N	O	P	R	S	T	
1	STMH-16	MH-16	ECC-16	2801 12459	2 13/16 71.4	5/8 15.9	2 50.8	3 13/16 96.8	2 50.8	1 1/4 31.8	3/4 19.1	1 3/8 34.9	13/16 20.6	1 3/8 34.9	1 1/2 38.1	3 76.2	3 1/2 88.9	1 23/32 43.7	1 3/8 34.9	1 7/16 36.5	17/32	1.9 .88
1 3/16 1 1/4R	STMH-19 STMH-20R	MH-19 MH-20R	ECC-19	4381 19487	3 7/16 87.3	5/8 15.9	2 1/4 57.2	4 7/16 112.7	2 3/16 55.6	1 7/16 36.5	7/8 22.2	1 1/2 38.1	7/16 11.1	1 19/32 40.5	1 3/4 44.5	3 1/2 88.9	4 101.6	1 25/32 45.2	1 11/16 42.9	1 7/16 36.5	17/32	3.1 1.41
1 1/4 1 7/16	STMH-20 STMH-23	MH-20 MH-23	ECC-23	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 11/16 42.9	1 25.4	1 55/64 47.2	1 3/4 44.5	3 1/2 88.9	4 101.6	1 55/64 47.2	2 50.8	1 15/16 49.2	17/32	3.9 1.77
1 1/2	STMH-24	MH-24	ECC-24	7340 32648	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	1 5/16 33.3	1 3/16 30.2	2 1/16 52.4	2 1/8 54.0	4 101.6	4 1/2 114.3	1 63/64 50.4	2 3/16 55.6	2 1/8 54.0	11/16	3.8 1.71
1 11/16	STMH-27	MH-27	ECC-27	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	1 5/16 33.3	1 3/16 30.2	2 19/64 58.3	2 3/16 55.6	4 101.6	4 5/8 117.5	2 1/16 52.4	2 1/4 57.2	2 1/16 52.4	11/16	5.8 2.65
1 15/16	STMH-31	MH-31	ECC-31	7889 35090	4 1/2 114.3	3/4 19.1	3 3/8 85.7	5 7/8 149.2	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	2 3/16 55.6	4 101.6	4 5/8 117.5	2 1/16 52.4	2 5/16 58.7	2 3/16 55.6	11/16	5.8 2.64
2 2 3/16	STMH-32 STMH-35	MH-32 MH-35	ECC-35	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	2 1/4 57.2	5 1/8 130.2	5 3/4 146.1	2 5/16 58.7	2 9/16 65.1	2 7/16 61.9	1 1/16	6.1 2.78

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

Metric dimensions for reference only.
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Material Handling Bearings

SEALMASTER®

Duty: Standard

Rolling Elements: Ball

Housing: Cast Iron Wide Slot Take Up

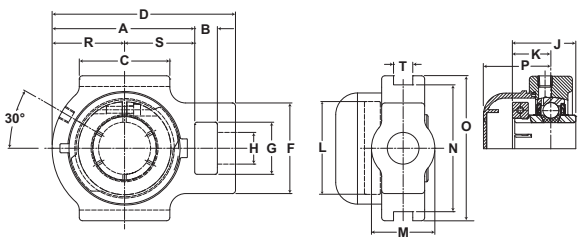
Self Alignment: +/- 1.5 Degrees

Lock: Skwezloc

Seal: Contact Seal and Flinger

Temperature: -20° to 200°F

Relube: Plugged, Grease Fitting Included



STMH-T Series Standard Duty Wide Slot Take Up - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Bearing Insert No.	Optional End Cap*	Basic Dynamic Rating lb/N	Dimensions inch / mm																	Unit Wt. lb/kg
					A	B	C	D	F	G	H Core	J	K	L	M Hub	N	O	P	R	S	T	
1	STMH-16T	MH-16T	ECC-16	2801 12459	2 13/16 71.4	5/8 15.9	2 50.8	3 13/16 96.8	2 50.8	1 1/4 31.8	3/4 19.1	1 7/16 36.5	7/8 22.2	1 15/16 49.2	1 1/2 38.1	3 76.2	3 1/2 88.9	1 23/32 43.7	1 3/8 34.9	1 7/16 36.5	17/32	1.9 .88
1 3/16 1 1/4	STMH-19T STMH-20RT	MH-19T MH-20RT	ECC-19 ECC-19	4381 19487	3 7/16 87.3	5/8 15.9	2 1/4 57.2	4 7/16 112.7	2 3/16 55.6	1 7/16 36.5	7/8 22.2	1 9/16 39.7	15/16 23.8	2 3/16 55.6	1 3/4 44.5	3 1/2 88.9	4 101.6	1 25/32 45.2	1 11/16 42.9	1 3/4 44.5	17/32	3.1 1.41
1 1/4	STMH-20T	MH-20T	ECC-23	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1 3/4 44.5	3 1/2 88.9	4 101.6	1 55/64 47.2	2 50.8	1 15/16 49.2	17/32	3.9 1.77
1 7/16	STMH-23T	MH-23T	ECC-23	5782 25718	3 15/16 100.0	5/8 15.9	2 1/2 63.5	5 1/16 128.6	2 1/2 63.5	1 7/16 36.5	7/8 22.2	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1 3/4 44.5	3 1/2 88.9	4 101.6	1 55/64 47.2	2 50.8	1 15/16 49.2	17/32	3.8 1.71
1 1/2	STMH-24T	MH-24T	ECC-24	7340 32648	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 1/4 31.8	2 11/16 68.3	2 1/8 54.0	4 101.6	4 1/2 114.3	1 63/64 50.4	2 3/16 55.6	2 1/8 54.0	11/16	5.8 2.65
1 11/16	STMH-27T	MH-27T	ECC-27	7901 35144	4 5/16 109.5	3/4 19.1	3 1/4 82.6	5 11/16 144.5	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 50.8	1 1/4 31.8	2 15/16 74.6	2 3/16 55.6	4 101.6	4 5/8 117.5	2 1/16 52.4	2 1/4 57.2	2 1/16 52.4	11/16	5.8 2.64
1 15/16	STMH-31T	MH-31T	ECC-31	7889 35090	4 1/2 114.3	3/4 19.1	3 3/8 85.7	5 7/8 149.2	3 1/4 82.6	1 15/16 49.2	1 1/8 28.6	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	2 3/16 55.6	4 101.6	4 5/8 117.5	2 1/16 52.4	2 5/16 58.7	2 3/16 55.6	11/16	6.1 2.78
2	STMH-32T	MH-32T	ECC-35	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	2 1/4 57.2	5 1/8 130.2	5 3/4 146.1	2 5/16 58.7	2 9/16 65.1	2 7/16 61.9	1 1/16	9.9 4.50
2 3/16	STMH-35T	MH-35T	ECC-35	9752 43377	5 127.0	1 25.4	3 3/4 95.3	6 3/4 171.5	4 101.6	2 1/2 63.5	1 3/8 34.9	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	2 1/4 57.2	5 1/8 130.2	5 3/4 146.1	2 5/16 58.7	2 9/16 65.1	2 7/16 61.9	1 1/16	10.4 4.69

*Closed End Cap part number is shown for Open End Cap. See page L-4 in the Accessories section.

For Replacement Lock Collar see page G-98.

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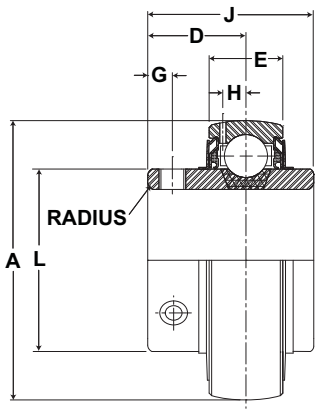
SEALMASTER® Material Handling Bearings

Duty: Standard
Rolling Elements: Ball
Lock: Setscrew
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F



MH Series Standard Duty Insert - Setscrew Locking

Bore Diameter inch	Part No.	Dimensions inch / mm							Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
		A	D	E	G	H	J	L			
1	MH-16	2.0472 52.0	13/16 20.6	.591 15.0	7/32 5.6	5/32 4.0	1 3/8 34.9	1 3/8 34.9	.040 1.0	1/4-28	.6 .27
1 3/16 1 1/4	MH-19 MH-20R	2.4409 62.0	7/8 22.2	39/55 18.0	7/32 5.6	13/64 5.2	1 1/2 38.1	1 19/32 40.5	.040 1.0	1/4-28	.9 .41
1 1/4 1 7/16	MH-20 MH-23	2.8346 72.0	1 25.4	.748 19.0	1/4 6.4	15/64 6.0	1 11/16 42.9	1 55/64 47.2	.040 1.0	5/16-24	1.2 .54
1 1/2	MH-24	3.1496 80.0	1 3/16 30.2	.866 22.0	5/16 7.9	17/64 6.7	1 15/16 49.2	2 1/16 52.4	.062 1.6	5/16-24	1.5 .68
1 11/16	MH-27	3.3465 85.0	1 3/16 30.2	.866 22.0	5/16 7.9	17/64 6.7	1 15/16 49.2	2 19/64 58.3	.062 1.6	5/16-24	1.6 .73
1 15/16	MH-31	3.5433 90.0	1 9/32 32.5	.906 23.0	3/8 9.5	9/32 7.1	2 1/32 51.6	2 15/32 62.7	.062 1.6	3/8-24	1.8 .82
2 2 3/16	MH-32 MH-35	3.9370 100.0	1 5/16 33.3	.984 25.0	3/8 9.5	5/16 7.9	2 3/16 55.6	2 23/32 69.1	.080 2.0	3/8-24	2.3 1.04
2 7/16	MH-39	4.3303 110.0	1 9/16 39.6	1.060 26.9	7/16 11.1	21/64 8.3	2 9/16 65.0	2 63/64 75.8	.080 2.0	3/8-24	3.14 1.42

Metric dimensions for reference only.
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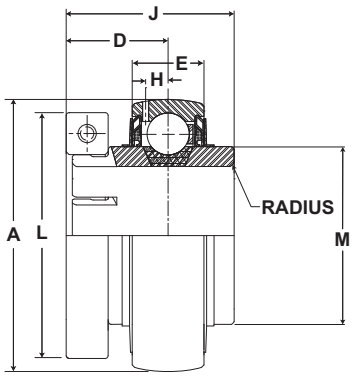
Duty: Standard
Rolling Elements: Ball
Lock: Skwezloc Locking Collar
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F



MH-T Series Standard Duty Insert - Skwezloc Locking Collar

Bore Diameter inch	Part No.	Dimensions inch / mm A	D	E	H	J	L	M	Max. Rad. To Clear	Torx Cap Screw	Unit Wt. lb/kg
1	MH-16T	2.0472 52.0	7/8 22.2	19/32 15.1	5/32 4.0	1 7/16 36.5	1 15/16 49.2	1 3/8 34.9	.040 1.0	T-25	.8 .36
1 3/16 1 1/4	MH-19T MH20RT	2.4409 62.0	15/16 23.8	45/64 17.9	13/64 5.2	1 9/16 39.7	2 3/16 55.6	1 19/32 40.5	.040 1.0	T-25	1.1 .50
1 1/4	MH-20T	2.8346 72.0	1 1/16 27.0	3/4 19.1	15/64 6.0	1 3/4 44.5	2 7/16 61.9	1 55/64 47.2	.040 1.0	T-27	1.5 .68
1 7/16	MH-23T	2.8346 72.0	1 1/16 27.0	3/4 19.1	15/64 6.0	1 3/4 44.5	2 9/16 65.1	1 55/64 47.2	.040 1.0	T-27	1.5 .68
1 1/2	MH-24T	3.1496 80.0	1 1/4 31.8	7/8 22.2	17/64 6.7	2 50.8	2 11/16 68.3	2 1/16 52.4	.062 1.6	T-27	1.8 .82
1 11/16	MH-27T	3.3465 85.0	1 1/4 31.8	7/8 22.2	17/64 6.7	2 50.8	2 15/16 74.6	2 19/64 58.3	.062 1.6	T-27	1.9 .86
1 15/16	MH-31T	3.5433 90.0	1 11/32 34.1	29/32 23.0	9/32 7.1	2 3/32 53.2	3 3/8 85.7	2 15/32 62.7	.062 1.6	T-30	2.4 1.09
2	MH-32T	3.9370 90.0	1 3/8 34.1	63/64 23.0	5/16 7.1	2 1/4 53.2	3 1/2 85.7	2 23/32 62.7	.080 1.6	T-30	2.90 1.09
2 3/16	MH-35T	3.9370 100.0	1 3/8 34.9	63/64 25.0	5/16 7.9	2 1/4 57.2	3 5/8 92.1	2 23/32 69.1	.080 2.0	T-30	2.9 1.32
2 7/16	MH-39	4.3303 110.0	1 9/16 39.9	1 1/16 26.9	7/16 11.1	2 9/16 65.0	4 1/8 104.8	2 63/64 75.8	.080 2.0	T-45	3.14 1.42

For Replacement Lock Collar see page G-98.

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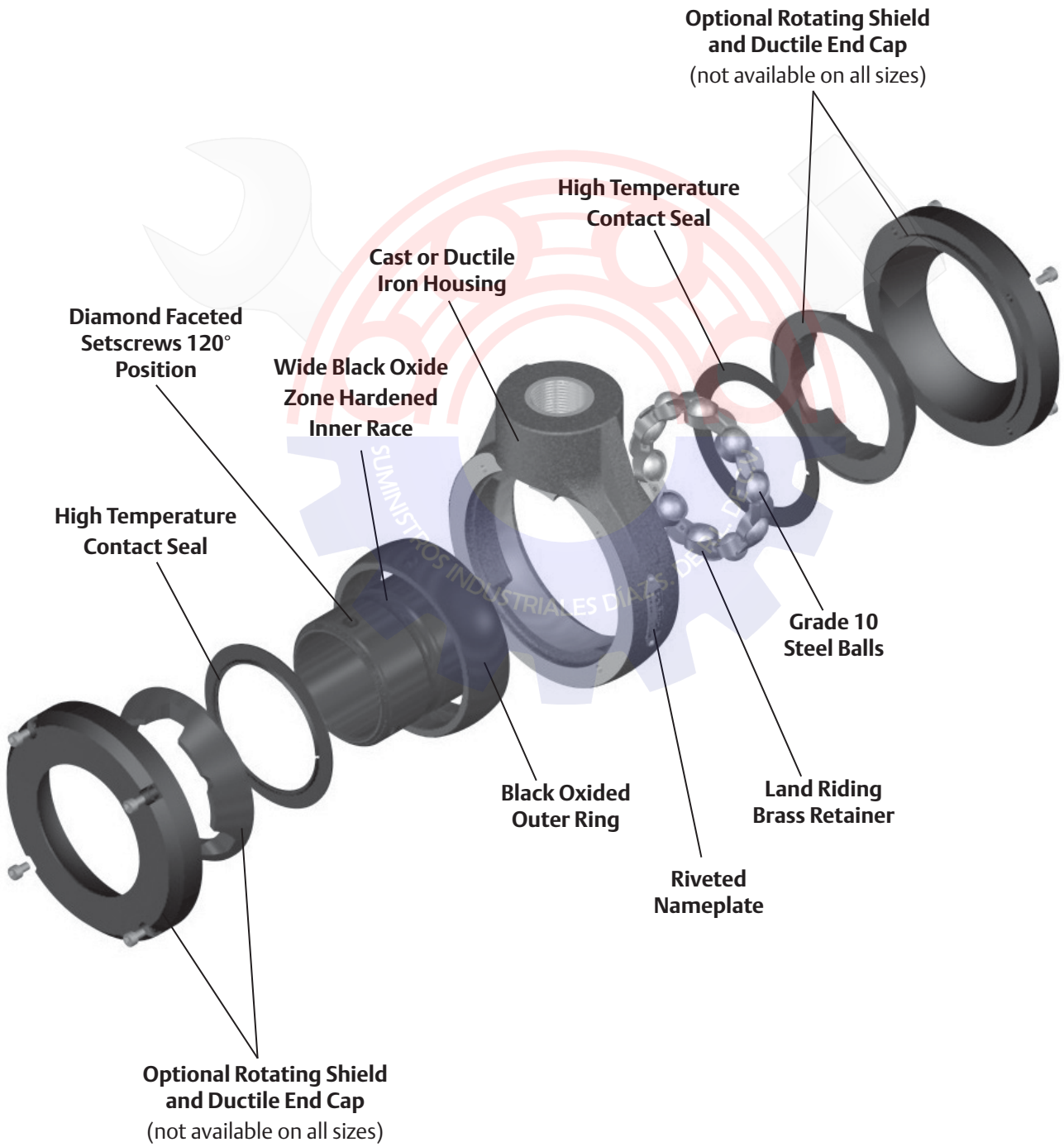
SUMINISTROS INDUSTRIALES DÍAZ

Sealmaster Paver Bearings

Paver bearings utilize standard Sealmaster features and improved sealing technology to meet the continuing performance needs of industrial paving equipment. Paver bearings were developed by working closely with OEM's in order to provide reliability and uptime for these severe duty applications.



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Paver Bearings Nomenclature

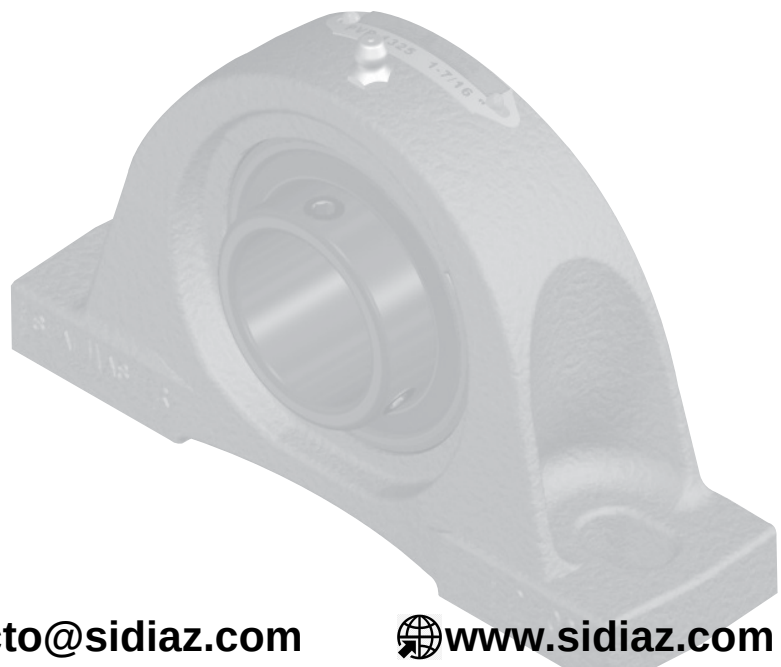
PVR
Paver Bearing

Paver Brand - Legacy*
1 - Blaw Knox
2 - Cedarapids
3 - Global/Allatt

Housing Style
1 - Piloted Flange
2 - Hanger
3 - Pillow Block - High Base
4 - Tapped Base Pillow Block
5 - 4 Bolt Flange
6 - 2 Bolt Flange
7 - Cylindrical Cartridge
8 - Wide Slot Take Up

Paver Bearing Part Number
00-99 - Sequential Number

PVR 1 2 03



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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® *Paver Bearings*

Features and Benefits

Sealmaster Paver Bearings have been developed in conjunction with original equipment manufacturers and features vary by part number. Some common features are listed below.

High Temperature Contact Seal

The double lip high temperature contact seal is the most popular design used, some designs incorporate a high temperature single lip contact seal , or combination of different seals for the front and back side of the bearing.

Nomex* Seal with Flinger

The Nomex seal provides a high temperature, tight labyrinth seal which retains lubrication and acts as a filter to exclude contamination. The external stamping is a flinger which shields the felt from large contaminants and directs them away from the sealing surface.

Ductile Iron End Cap

A tough, wear resistant end cap that helps keep asphalt from forcing its way into the bearing. The ductile-iron, bolt-on end cap mates with the casting providing the first barrier against abrasive asphalt.

Rotating Shield

The black oxided shield is fixed to the extended inner ring and precision machined to run with a small clearance with the end cap. The shield resists asphalt erosion and helps protect the inner sealing elements.

Self-Adjusting Washer

A conical-shaped mechanical seal is located directly behind the rotating shield supplying the bearing with a third contamination barrier. The stainless steel washer attaches to the bearing's inner ring.

*NOMEX is registered trademark of E.I. du Pont de Nemurs and Company. This trade name, trademark and/or registered trademark is property of their respective owner and is not owned or controlled by Regal Power Transmission Solutions.

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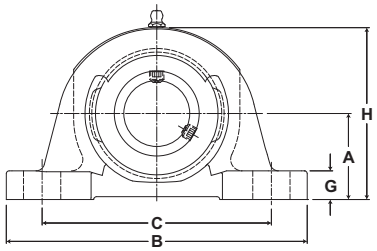
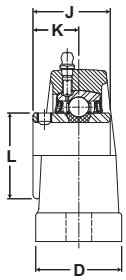
Paver Bearings

SEALMASTER®

Duty: Varies
Rolling Elements: Ball
Housing: Pillow Block
Lock: Varies
Seal: Varies





PVR x 3xx Pillow Block Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm A	B	C min.	C max.	D	G	H	J	K	L	Bolt Size	Unit Wt. lb/kg
1 1/8	PVR-1314	1 11/16 42.9	6 1/2 165.1	4 7/16 112.7	5 1/16 128.6	1 7/8 47.6	9/16 14.3	3 3/8 85.7	1 1/2 38.0	7/8 22.2	1 19/32 40.5	1/2	3.6 1.63
1 3/4	PVR-1325	2 1/8 54.0	7 1/2 190.5	5 7/16 138.1	6 1/16 154.0	2 1/8 54.0	11/16 17.5	4 1/4 108.0	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	1/2	6.5 2.95

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
The basic dimensions as listed are for guidance only, the image shown may not exactly represent the unit, many units have special machining or special casting designs.

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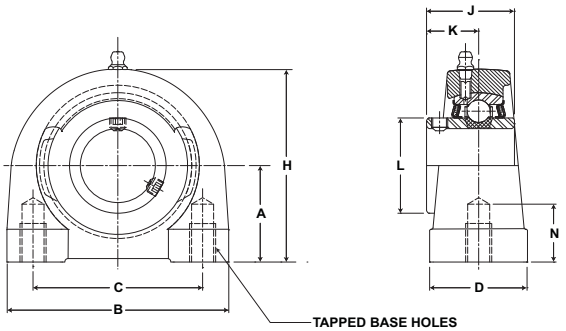
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Paver Bearings

Duty: Varies
Rolling Elements: Ball
Housing: Tapped Base
Lock: Varies
Seal: Varies



PVR x 4xx Tapped Base Pillow Block Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm									Bolt UNC-2B Thread	Unit Wt. lb/kg
		A	B	C	D	H	J	K	L	N Min. Tap Depth		
1	PVR-1416	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 3/8 34.9	13/16 20.6	1 3/8 34.9	1/2 12.7	3/8-16	2.0 .91
1 7/16	PVR-1417	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 11/16 42.9	1 25.4	1 55/64 47.2	3/4 19.1	1/2-13	4.5 2.04
2	PVR-1450	2 1/4 57.2	5 127.0	4 101.6	2 50.8	4 5/8 117.5	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	7/8 22.2	5/8-11	8.0 3.63

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
The basic dimensions as listed are for guidance only, the image shown may not exactly represent the unit, many units have special machining or special casting designs.

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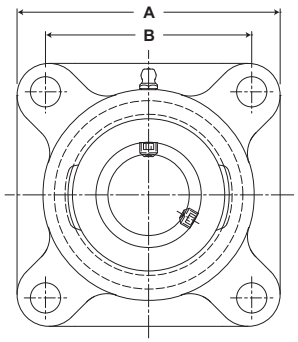
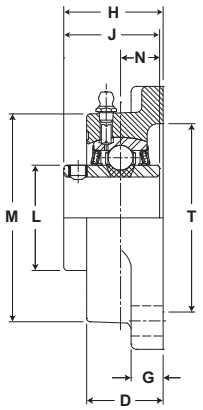
Paver Bearings

SEALMASTER®

Duty: Varies
Rolling Elements: Ball
Housing: Four Bolt Flange
Lock: Varies
Seal: Varies





PVR x 5xx Four Bolt Flange Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm A	B	D	G	H	J	N	L	M	T Core	Bolt Size	Unit Wt. lb/kg
1 1/2	PVR-1504	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 1/64 51.2	1 15/16 49.2	3/4 19.1	2 1/16 52.4	4 5/64 103.6	3 1/2 88.9	1/2	5.5 2.49
1 9/16	PVR-1518	5 1/8 130.2	4 101.6	1 1/2 38.1	9/16 14.3	2 1/64 51.2	1 15/16 49.2	3/4 19.1	2 1/16 52.4	4 5/64 103.6	3 1/2 88.9	1/2	5.5 2.49
1 3/4	PVR-3546	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	3/4 19.1	2 19/64 58.3	4 11/32 110.3	3 7/8 98.4	9/16	5.7 2.59
1 3/4	PVR-1501	5 3/8 136.5	4 1/8 104.8	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	3/4 19.1	2 19/64 58.3	4 21/64 109.9	3 7/8 98.4	9/16	5.7 2.59
1 7/8	PVR-1509	5 5/8 142.9	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	3/4 19.1	2 15/32 62.7	4 33/64 114.7	4 101.6	9/16	6.4 2.90
2	PVR-1507	6 3/8 161.9	5 1/8 130.2	1 3/4 44.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	7/8 22.2	2 23/32 69.1	5 3/16 131.8	4 1/4 108.0	5/8	10.5 4.76
2 3/16	PVR-2533	5 3/4 146.1	4 7/16 112.7	1 3/4 44.5	13/16 20.6	2 3/8 60.3	2 3/16 55.6	7/8 22.2	3 5/8 92.1	5 3/16 131.8	4 1/4 108.0	9/16	11.1 5.03
2 3/16	PVR-2538	5 3/4 146.1	4 39/89 112.7	1 49/64 44.8	25/32 19.8	2 31/32 75.4	2 13/16 71.4	1 3/32 27.8	3 76.2	5 1/4 133.4	4 1/4 108.0	9/16	11.1 5.03
2 1/2	PVR-1551	7 3/8 187.3	5 7/8 149.2	2 5/16 58.7	11/16 17.5	3 76.1	2 3/4 69.9	1 1/16 27.0	3 7/16 87.3	6 1/8 155.6	5 1/8 130.2	5/8	16.4 7.44
2 11/16	PVR-1522	7 3/4 196.9	6 152.4	2 3/8 60.3	1 25.4	3 3/16 81.0	3 1/16 77.8	1 5/16 33.3	3 41/64 92.5	6 1/2 165.1	5 7/8 149.2	3/4	20.6 9.34

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
The basic dimensions as listed are for guidance only, the image shown may not exactly represent the unit, many units have special machining or special casting designs.

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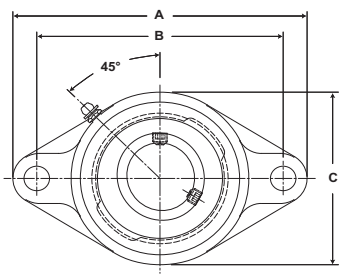
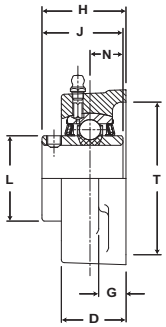
SEALMASTER® Paver Bearings

Duty: Varies
Rolling Elements: Ball
Housing: Two Bolt Flange
Lock: Varies
Seal: Varies





PVR x 6xx Two Bolt Flange Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
		A	B	C	D	G	H	J	N	L	T Core		
1 7/16	PVR-3647	6 1/8 155.6	5 1/8 130.2	3 3/4 95.3	1 11/32 34.1	9/16 14.3	1 3/4 44.5	1 11/16 42.9	11/16 17.5	1 27/32 46.8	3 5/16 84.1	1/2	3.2 1.45
1 9/16	PVR-1605	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 1/2 38.1	35/64 13.9	2 1/64 51.2	1 15/16 49.2	3/4 19.1	2 1/16 52.4	3 1/2 88.9	1/2	4.5 2.04
1 11/16	PVR-3648	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	3/4 19.1	2 5/16 58.7	3 7/8 98.4	9/16	5.0 2.27
1 3/4	PVR-1624	7 1/16 179.4	5 65/77 148.4	4 3/8 111.1	1 9/16 39.7	9/16 14.3	2 3/64 52.0	1 15/16 49.2	3/4 19.1	2 5/16 58.7	3 7/8 98.4	9/16	5.0 2.27
1 3/4	PVR-1626	7 7/16 188.9	6 16/85 157.2	4 9/16 115.9	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	3/4 19.1	2 15/32 62.7	4 101.6	9/16	5.6 2.54
1 7/8	PVR-1615	7 7/16 188.9	6 16/85 157.2	4 9/16 115.9	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	3/4 19.1	2 15/32 62.7	4 101.6	9/16	5.4 2.45
1 15/16	PVR-1608	7 7/16 188.9	6 16/85 157.2	4 9/16 115.9	1 9/16 39.7	9/16 14.3	2 5/32 54.8	2 1/32 51.6	3/4 19.1	2 15/32 62.7	4 101.6	9/16	5.4 2.45
2	PVR-1612	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 3/4 44.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	7/8 22.2	2 23/32 69.1	4 1/4 108.0	5/8	8.4 3.81

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
The basic dimensions as listed are for guidance only, the image shown may not exactly represent the unit, many units have special machining or special casting designs.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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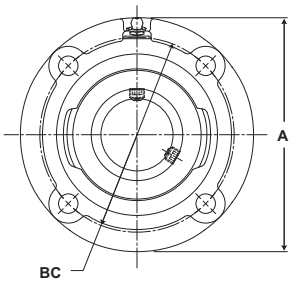
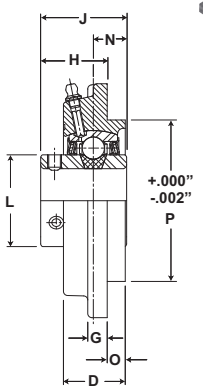
Paver Bearings

SEALMASTER®

Duty: Varies
Rolling Elements: Ball
Housing: Flange Cartridge
Lock: Varies
Seal: Varies





PVR x 1xx Piloted Flange Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm										Bolt Size	End Cap	Unit Wt. lb/kg
		A	BC	D	G	H	J	L	N	O	P			
1 15/16	PVR-2137	6 1/8 155.6	5 1/8 130.2	1 25/64 35.3	61/64 24.2	2 50.8	2 1/32 51.6	2 15/32 62.7	23/32 18.3	7/16 11.1	4 1/4 108.0	7/16	No	7.1 3.22
2	PVR-1127	6 3/8 161.9	5 3/8 136.5	1 19/32 40.5	1 25.4	2 5/32 54.8	2 3/16 55.6	2 23/32 69.1	27/32 21.4	19/32 15.1	4 1/2 114.3	7/16	No	7.5 3.40
2 3/16	PVR-1102	7 3/4 196.9	6 1/2 165.1	1 43/64 42.5	9/16 14.3	2 3/8 60.3	2 9/16 65.1	2 63/64 75.8	1 25.4	5/16 7.9	5 1/4 133.4	1/2	Yes	10.5 4.76
2 3/16	PVR-1106	7 3/4 196.9	6 1/2 165.1	2 50.8	9/16 14.3	2 3/4 69.9	2 9/16 65.1	2 63/64 75.8	1 5/8 41.3	5/16 7.9	5 1/4 133.4	1/2	No	10.5 4.76
2 3/16	PVR-1113	7 3/4 196.9	6 1/2 165.1	2 50.8	9/16 14.3	2 3/8 60.3	2 9/16 65.1	2 63/64 75.8	1 25.4	5/16 7.9	5 1/4 133.4	1/2	No	10.5 4.76
2 3/16	PVR-1121	7 3/4 196.9	6 1/2 165.1	1 43/64 42.5	9/16 14.3	2 3/8 60.3	2 9/16 65.1	2 63/64 75.8	1 25.4	5/16 7.9	5 1/4 133.4	1/2	Yes	10.5 4.76
2 3/16	PVR-1128	7 3/4 196.9	6 1/2 165.1	2 50.8	9/16 14.3	2 3/8 60.3	2 9/16 65.1	2 63/64 75.8	1 25.4	5/16 7.9	5 1/4 133.4	1/2	No	10.5 4.76
2 3/16	PVR-3151	7 1/8 181.0	6 152.4	1 25/32 45.2	59/64 23.4	2 17/32 64.3	2 9/16 65.1	2 63/64 75.8	31/32 24.6	27/32 21.4	5 127.0	1/2	Yes	10.5 4.76

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
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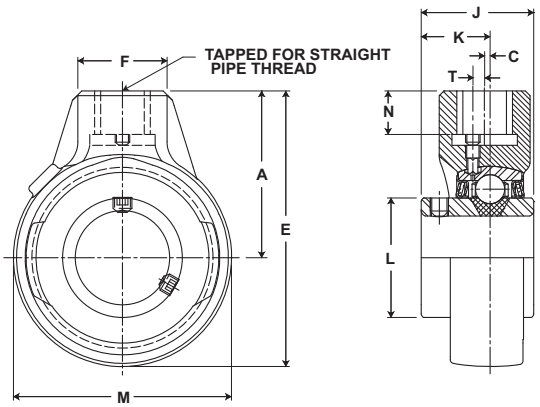
SEALMASTER® Paver Bearings

Duty: Varies
Rolling Elements: Ball
Housing: Hanger Bearing
Lock: Varies
Seal: Varies



PVR x 2xx Hanger Bearing Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm								Pipe Tap* N.P.S.M.	N Thread Length	Unit Wt. lb/kg
		A	C	E	F	J	K	L	M			
2	PVR-3245	3 1/4 82.6	3/16 4.8	5 7/16 138.1	1 7/8 47.6	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	4 3/8 111.1	1-11 1/2	13/16 20.6	4.5 2.04
2 7/16	PVR-3243	4 101.6	11/32 8.7	6 13/16 173.0	2 5/16 58.7	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5 5/8 142.9	1 1/4-11 1/2	1 1/8 28.6	9.2 4.17
2 7/16	PVR-1229 PVR-1203	4 1/4 108.0	5/16 7.9	7 1/8 181.0	2 3/4 69.9	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5 3/4 146.1	1 1/2-11 1/2	1 1/8 28.6	9.0 4.08
2 11/16	PVR-1219	4 5/8 117.5	3/8 9.5	7 7/8 200.0	2 3/4 69.9	3 1/16 77.8	1 3/4 44.5	3 41/64 92.5	6 1/2 165.1	1 1/2-11 1/2	1 1/4 31.8	14.6 6.62

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
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*Use Straight Pipe Thread.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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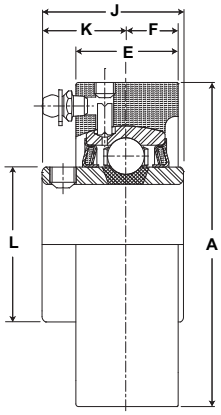
SUMINISTROS INDUSTRIALES DÍAZ

Paver Bearings

SEALMASTER®

Duty: Varies
Rolling Elements: Ball
Housing: Cylindrical Cartridge
Lock: Varies
Seal: Varies



PVR x 7xx Cylindrical Cartridge Assembly

Bore Diameter inch	Part No.	Dimensions inch / mm A ±.001	E	F	J	L	K	Unit Wt. lb/kg
1 3/4	PVR-1720	4.375 111.13	1 7/16 36.51	23/32 18.26	1 15/16 49.21	2 19/64 58.34	1 3/16 30.16	4.5 2.04

Popular Paver bearing designs are listed, if you require information on another part number or size please consult Bearing Technical Customer Service.
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SEALMASTER® *Paver Bearings*

Original Equipment Manufacture Substitution Guide

Paver Manufacturer*	Model	Manufacturer Part No.	Sealmaster Part No.	Bearing Description	Location on Paver
Global/Allatt/Champion	Various	13031950	PVR-3840	Take up	Conveyor
Global/Allatt/Champion	Various	13031943	PVR-3841	Take up	Conveyor
Global/Allatt/Champion	Various	13031919	PVR-3142	Piloted Flange	Auger Inner
Global/Allatt/Champion	Various	13031091	PVR-3243	Hanger	Auger Outer
Global/Allatt/Champion	Various	13117833	PVR-3144	Piloted Flange	Auger Inner
Global/Allatt/Champion	Various	13054846	PVR-3245	Hanger	Auger Outer
Global/Allatt/Champion	575T	13116702	PVR-3546	4 Bolt Flange	Conveyor
Global/Allatt/Champion	575T	13131974	PVR-3647	2 Bolt Flange	Auger
Global/Allatt/Champion	575T	13038591	PVR-3648	2 Bolt Flange	Auger
Global/Allatt/Champion	Various	13031927	PVR-3149	Piloted Flange	Auger Inner
Global/Allatt/Champion	Various	13031091	PVR-3250	Hanger	Auger Outer
Global/Allatt/Champion	Various	13031919, 13117833	PVR-3151	Piloted Flange	Auger Inner
Blaw Knox	PF-400A	116-112	PVR-1711	AR Style	Auger Box
Blaw Knox	Various	116-099	PVR-1710	AR Style	Auger Box
Blaw Knox	PF-150/150H	116-118	PVR-1626	2 Bolt Flange	Auger Outer
Blaw Knox	PF-172/172B	116-119,116-026	PVR-1314	Pillow Block	Screed
Blaw Knox	Various	116-011,116-083	PVR-1325	Pillow Block	Screed
Blaw Knox	PF-115	116-036	PVR-1624	2 Bolt Flange	Auger/Conveyor Drive
Blaw Knox	PF-180/180H/180X	116-051	PVR-1612	2 Bolt Flange	Auger/Conveyor Drive
Blaw Knox	Various	116-093	PVR-1723	SC Cartridge	Auger Box
Blaw Knox	Various	116-092	PVR-1522	4 Bolt Flange	Chain Box
Blaw Knox	PF-115, PF-120H, PF-500	116-015, 116-034, 116-103	PVR-1504	4 Bolt Flange	Conveyor/Screed
Blaw Knox	PF-161, PF-180H	116-131	PVR-1113	Piloted Flange	Conveyor Drive Screed
Blaw Knox	PF-161, PF-410, PF-3172, PF-3180, PF-3200, PF-4410, PF-5500, PF-5510	116-139	PVR-1106	Piloted Flange	Conveyor Outer Rear
Blaw Knox	PF-161, PF-172/172B, PF-180/180X, PF-510,PF-200/200B, PF-410, PF-500, PF-3200, PF-4410,PF-3172, PF-3180, PF-5500, PF-5510	116-114	PVR-1229	Hanger	Auger Outer
Blaw Knox	PF-161, PF-172/172B, PF-180/180X, PF-200/200B, PF-410, PF-500, PF-510, PF-3200, PF-4410,PF-3172, PF-3180, PF-5500, PF-5510	116-123, 116-127, 116-129, 116-141	PVR-1203	Hanger	Auger Outer
Blaw Knox	PF-200/200B, PF-172/172B, PF-161, PF-410, PF-500, PF-510, PF-3172, PF-3180, PF-4410, PF-5500, PF-5510	116-113, 116-128, 116-130, 116-143	PVR-1128	Piloted Flange	Auger Inner/Conveyor Rear Inner
Blaw Knox	PF-200/200B, PF-172/172B, PF-161, PF-410, PF-500, PF-510, PF-3172, PF-3180, PF-4410, PF-5500, PF-5510	116-142	PVR-1102	Piloted Flange	Auger Inner/Conveyor Rear Inner

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Original Equipment Manufacture Substitution Guide continued

Paver Manufacturer*	Model	Manufacturer Part No.	Sealmaster Part No.	Bearing Description	Location on Paver
Blaw Knox	PF-3200, PF-3180, PF-3172	116-144	PVR-1121	Piloted Flange	Auger Inner-Power Flight Auger
Blaw Knox	PF-115,PF-120H, PF-161, PF-172/172B, PF-180/180X, PF-200/200B, PF-410, PF-510, PF-3180, PF-3200, PF-4410, PF-5500, PF-5510	116-035, 116-070, 116-071, 116-072, 116-133, 116-137, 116-138	PVR-1501	4 Bolt Flange	Conveyor
Blaw Knox	PF-150/150H	116-117	PVR-1720	SC Cartridge	Auger Inner/Conveyor Drive
Blaw Knox	Various	115-328,116-094	PVR-1219	Hanger	Auger Outer
Blaw Knox	Various	116-068,116-109	PVR-1518	4 Bolt Flange	Auger
Blaw Knox	PF-115	116-063	PVR-1509	4 Bolt Flange	Conveyor
Blaw Knox	PF-180/180H	116-032,116-041	PVR-1507	4 Bolt Flange	Conveyor
Blaw Knox	PF-115, PF120H, PF-161, PF-180/180X	116-033	PVR-1127	Piloted Flange	Conveyor
Blaw Knox	PF-180H, PF-120	116-031,116-090	PVR-1608	2 Bolt Flange	Auger/Conveyor Drive
Blaw Knox	Various	116-069	PVR-1605	2 Bolt Flange	Auger
Blaw Knox	PF-115, PF-400A	116-064,116-122	PVR-1615	2 Bolt Flange	Auger
Blaw Knox	Various	116-145	PVR-1416	Tapped Base	Screed
Blaw Knox	PF-150/150H	116-067	PVR-1417	Tapped Base	Conveyor Front
Blaw Knox	Various	116-098	PVR-1450	Tapped Base	Conveyor
Blaw Knox	Various	116-091	PVR-1551	4 Bolt Flange	Conveyor
Blaw Knox	Road Wideners	116-095	MSF-28	4 Bolt Flange	Conveyor
Blaw Knox	Road Wideners	116-084	MSF-24	4 Bolt Flange	Conveyor
Blaw Knox	Most	115-021	ER-23	ER Style	Push Roller
Cedarapids	Various	45134-010-37	PVR-2431	Tapped Base	Auger Inner
Cedarapids	Various	45134-010-41	PVR-2130	Piloted Flange	Auger Inner
Cedarapids	Various	45134-010-39	PVR-2432	Tapped Base	Auger Remix
Cedarapids	Various	45134-010-47	PVR-2533	4 Bolt Flange	Conveyor
Cedarapids	CR-351	45134-010-40	PVR-2534	4 Bolt Flange	Conveyor
Cedarapids	CR-351, CR-451, CR-461, CR-551, CR-561	F0115-FGA	PVR-2535	4 Bolt Flange	Conveyor
Cedarapids	Various	45134-010-37	PVR-2436	Tapped Base	Auger Outer
Cedarapids	Various	45134-010-41	PVR-2137	Piloted Flange	Auger Inner
Cedarapids	Various	45134-010-47, F0203FGA	PVR-2538	4 Bolt Flange	Conveyor
Cedarapids	CR-351, CR-451, CR461, CR-551, CR-561	45134-010-40, F0115-FGA	PVR-2539	4 Bolt Flange	Conveyor

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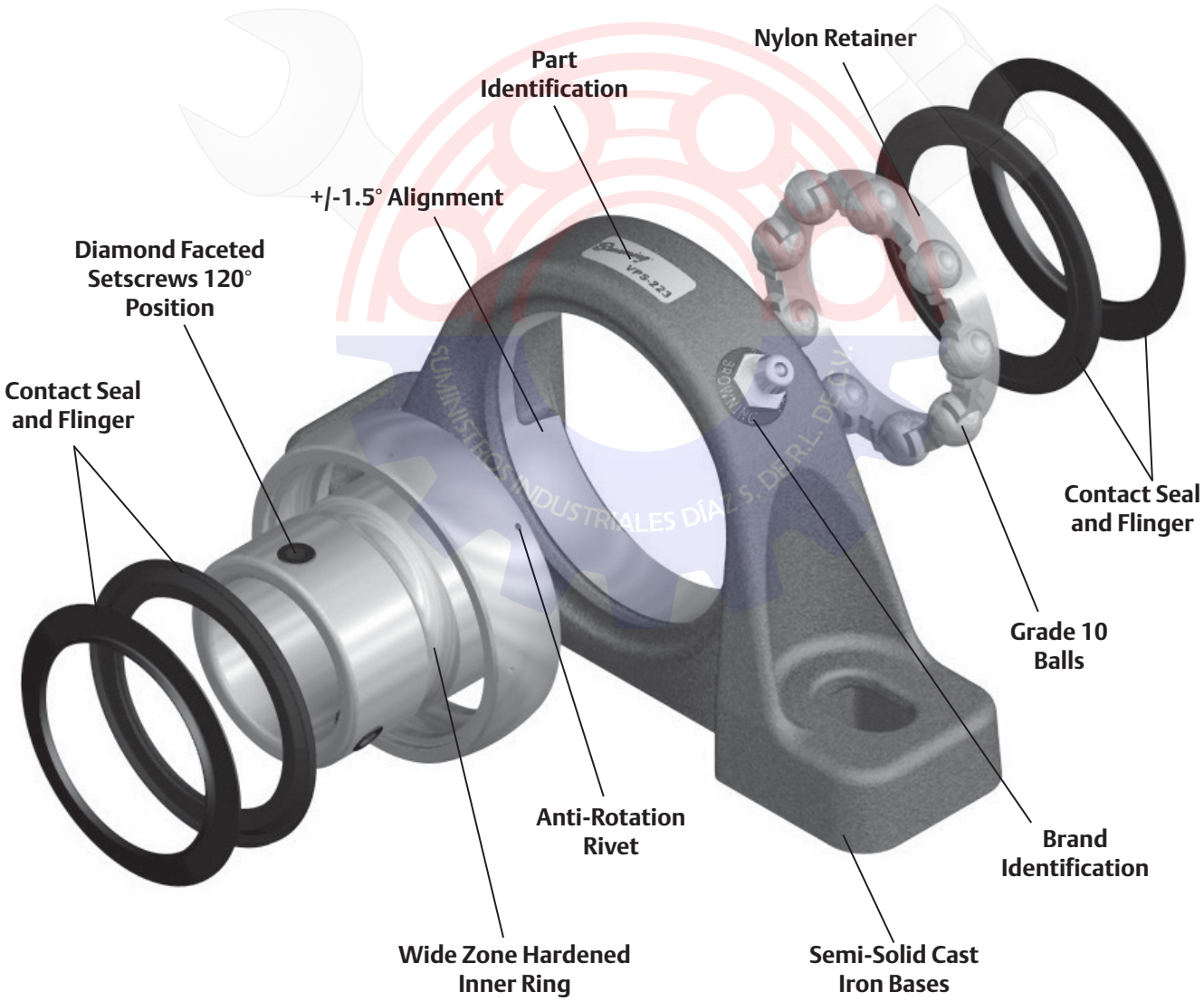
Browning Mounted Ball Bearings

Browning mounted ball bearings feature multiple housing styles, materials and configurations, an extended inner race insert bearing with ball riding nylon retainer. The insert features a rivet to prevent outer ring rotation and is available with setscrew, eccentric, or BOA concentric locking collar. The contact seal, with black oxide treated flinger provides a good balance between contaminant resistance, grease loss and friction. Depending on your preference, these bearings are available in inch and metric bore with a wide variety of cast iron, stamped steel or rubber mount housings or specific industry solutions as illustrated on the pages to follow.



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Browning Mounted Ball Nomenclature Housing Units

VP S-1 16 M AH

Housing Styles* (see below)

Locking Option
- B - BOA Concentric
- E - Eccentric
- S - Setscrew

Bearing Duty
- Omit for Metric
- 1 - Light or Intermediate Duty / 100 Series
- 2 - Standard Duty / 200 Series
- 3 - Medium Duty / 300 Series

Bore Size
- Inch - ##/16 (ex. 20/16 = 1 1/4")
  - S for 1 1/4" and 2" Reduced
- Metric - ex. 25 MM

Material Option
- M - Malleable 2 Bolt and 4 Bolt
  - 100 Series only

Common Option
- AH - Air Handling
- CTY - Plugged Lubed Hole
- CSK - 90° Lube Fitting
- S-#### - Special Design

Housing	Housing Style	Material
RUBR	Grommet	Rubber
SSF2	Two Bolt Flange	Stamped Steel
SSF3	Three Bolt Flange	Stamped Steel
SSF3T	Three Bolt Flange	Stamped Steel
SSF4	Four Bolt Flange	Stamped Steel
SSP	Pillow Block	Stamped Steel
SSRP	Pillow Block	Stamped Steel / Rubber
VF2	Two Bolt Flange	Cast Iron
VF3	Three Bolt Flange	Cast Iron
VF4	Four Bolt Flange	Cast Iron
VFB	Flange Bracket	Cast Iron
VFC	Piloted Flange Cartridge	Cast Iron
VP	Pillow Block - High Base	Cast Iron
VPD	Pillow Block - Alternate Base	Cast Iron
VPL	Pillow Block - Low Base	Cast Iron
VTB	Tapped Base Pillow Block	Cast Iron
VTW	Wide Slot Take Up	Cast Iron

*Note: Configurations are not available in all sizes or housing styles. Consult the product tables, option sections and engineering sections for more detail or consult a Bearing Application Engineer.

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Browning Mounted Ball Nomenclature Inserts

V S-2 24 S####

Prefix

V - Spherical O.D. Bearing Insert
L - Spherical O.D. Bearing Insert - No Relube
LR - Spherical O.D. Bearing Insert - No Relube
LRS - Spherical O.D. Bearing Insert - No Relube
SL - Cylindrical O.D. Bearing Insert - No Relube

Locking Option

B - BOA Concentric
E - Eccentric
S - Setscrew

Insert Duty

Omit for Metric
1 - Light or Intermediate Duty / 100 Series
2 - Standard Duty / 200 Series
3 - Medium Duty / 300 Series

Bore Size

Inch - ##/16 (ex. 20/16 = 1 1/4")
S for 1 1/4" and 2" Reduced
Metric - ex. 25 MM

Options

SK### - Special Design

*Note: Configurations are not available in all sizes or housing styles. Consult the product tables, option sections and engineering sections for more detail or consult a Bearing Application Engineer.

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Browning Mounted Ball Nomenclature Take Up Frame

6 SF 16

Adjustment Length
- 1 - 1 1/2”
- 3 - 3”
- 6 - 6”
- 9 - 9”
- 12 - 12”
- 18 - 18”

Frame Design
- SF - Center Pull Take Up
- TF/TFS - Top Mount Protected Screw Take Up

Frame Series

Bore Size	Frame Size
3/4” to 1”	16
1 1/8” to 1 7/16”	23
1 1/2” to 2”	31
2” to 2 3/16”	39

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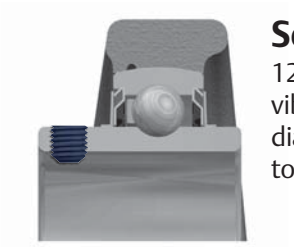
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

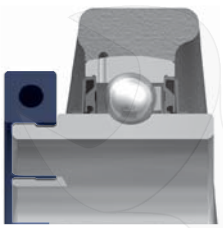
Features and Benefits

Multiple Methods Locking



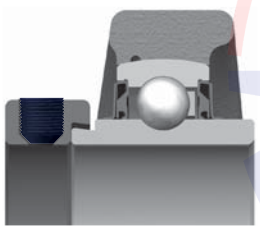
Setscrew Locking

120° spaced, balanced three point contact minimizes inner ring distortion vibration, reduces noise, and improves reliability. Precision manufactured diamond faceted setscrews contribute to improved clamping and resistance to back out.



BOA Concentric

BOA is a concentric locking collar clamp design that results in near-perfect concentricity of the shaft to the bearing bore and maintains near perfect ball path roundness, while reducing fretting corrosion. This design eliminates the shaft damage of setscrew locking, and minimizes bearing induced vibration for smoother quieter operation. The collar has a TORX head cap screw that outlasts stripping 12 times longer than hex head cap screws.



Eccentric Locking

Eccentric locking design incorporates a precision eccentric collar to mate with the inner ring extension for shaft hold.

Note: The eccentric is designed for single direction of rotation and should not be used when two direction rotation is present.

Sealing

Positive contact molded nitrile rubber contact seal with an auxiliary flinger element standard. The contact seal allows grease purge and helps keep contamination out of the bearing while the flinger provides a rotating shield that helps direct contamination away from the seal.

Anti-Rotation Rivet

An anti-rotation rivet prevents outer ring creep, or rotation, within the housing.

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Features and Benefits continued

Semi-Solid Cast Iron Base

The rugged base design provides an excellent mounting foundation. This is integral to prevent sheet metal “buckling”

Zone Hardening Inner Race

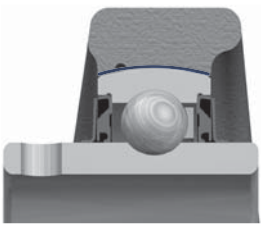
Browning incorporates a unique heat treat process that hardens the inner race only where it is needed...under the ball path. The zone hardened inner race results in improved lock reliability as a result of less distortion at setscrew location and improved thread conformity resulting in improved clamping and resistance to setscrew back-out.

Identification Marking

Browning cast iron housing bearing units have a sticker with part description and brand washer under the lubrication fitting. This allows for easy verification of the part number during installation and for replacement.

Air Handling “AH” Option

The Browning Air Handling mounted ball bearing has the same features as the standard Browning mounted ball bearing expect for the following air handling features.



AH Housing Fit

Air Handling “AH” ball bearings are manufactured with a controlled housing fit that allows the bearing to properly self-align when mounted on lightweight frames commonly found on air handling equipment.

Noise Test

All Air Handling “AH” bearings must pass a two stage noise testing verification for quiet operation to meet the noise level standards of the air handling industry.

Popular shaft sizes and housing configurations in the normal and medium duty series are available “off-the-shelf” these air handling features (designated by the AH suffix). These products are offered in both setscrew and BOA concentric locking.

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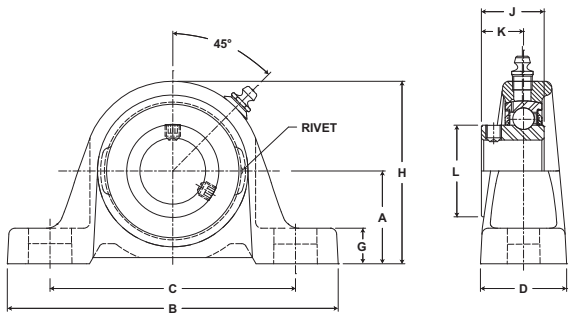
Browning

Mounted Ball Bearings

Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F



VPS 100 Series Intermediate Duty Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPS-108 VPS-110	VS-108 VS-110	2108 9377	1 3/16 30.2	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	15/32 11.9	2 7/32 56.4	15/16 23.8	5/8 15.9	31/32 24.6	3/8	.80 .36
3/4	VPS-112	VS-1112	2611 11614	1 5/16 33.3	5 127.0	3 15/32 88.1	4 9/32 108.7	1 11/32 34.1	17/32 13.5	2 17/32 64.3	1 1/16 27.0	23/32 18.3	1 3/16 30.2	3/8	1.4 .64
7/8 15/16 1	VPS-114 VPS-115 VPS-116	VS-114 VS-115 VS-116	2801 12459	1 7/16 36.5	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	19/32 15.1	2 13/16 71.4	1 7/64 28.2	49/64 19.4	1 3/8 34.9	3/8	1.6 .73
1 1/8 1 3/16 1 1/4	VPS-118 VPS-119 VPS-120S	VS-118 VS-119 VS-120S	4381 19487	1 11/16 42.9	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	21/32 16.7	3 9/32 83.3	1 5/32 29.4	25/32 19.8	1 19/32 40.5	1/2	2.6 1.18
1 1/4 1 3/8 1 7/16	VPS-120 VPS-122 VPS-123	VS-120 VS-122 VS-123	5782 25718	1 7/8 47.6	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	23/32 18.3	3 11/16 93.7	1 9/32 32.5	55/64 21.8	1 55/64 47.2	1/2	3.5 1.59
1 1/2	VPS-124	VS-124	7340 32648	2 50.8	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	13/16 20.6	4 101.6	1 27/64 36.1	15/16 23.8	2 1/16 52.4	1/2	4.4 2.00
1 11/16 1 3/4	VPS-127 VPS-128	VS-127 VS-128	7901 35144	2 1/8 54.0	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	3/4 19.1	4 1/4 108.0	1 7/16 36.5	61/64 24.2	2 19/64 58.3	1/2	5.3 2.40
1 15/16 2	VPS-131 VPS-132S	VS-131 VS-132S	7889 35090	2 1/4 57.2	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	3/4 19.1	4 9/16 115.9	1 35/64 39.3	1 3/64 26.6	2 15/32 62.7	5/8	5.8 147.3
2 2 3/16	VPS-132 VPS-135	VS-132 VS-135	9752 43377	2 1/2 63.5	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	7/8 22.2	4 31/32 126.2	1 21/32 42.1	1 7/64 28.2	2 23/32 69.1	5/8	7.7 3.49

Metric dimensions for reference only.
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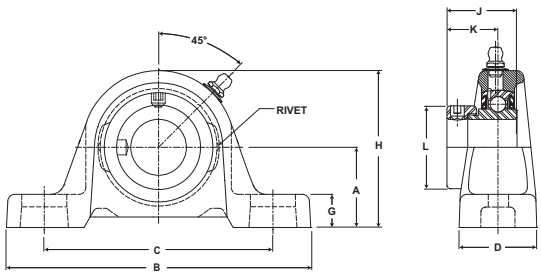
Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact
Temperature: -20° to 200°F



VPE 100 Series Intermediate Duty Pillow Blocks - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPE-108 VPE-110	VE-108 VE-110	2108 9377	1 3/16 30.2	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	15/32 11.9	2 7/32 56.4	1 3/16 30.2	7/8 22.2	1 3/16 30.2	3/8	1.0 .45
3/4	VPE-112	VE-112	2611 11614	1 5/16 33.3	5 127.0	3 15/32 88.1	4 9/32 108.7	1 11/32 34.1	17/32 13.5	2 17/32 64.3	1 17/64 32.1	59/64 23.4	1 5/16 33.3	3/8	1.5 .68
7/8 15/16 1	VPE-114 VPE-115 VPE-116	VE-114 VE-115 VE-116	2801 12459	1 7/16 36.5	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	19/32 15.1	2 13/16 71.4	1 17/64 32.1	59/64 23.4	1 1/2 38.1	3/8	1.8 .82
1 1/8 1 3/16 1 1/4	VPE-118 VPE-119 VPE-120S	VE-118 VE-119 VE-120S	4381 19487	1 11/16 42.9	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	21/32 16.7	3 9/32 83.3	1 27/64 36.1	1 3/64 26.6	1 3/4 44.5	1/2	2.9 1.32
1 1/4 1 3/8 1 7/16	VPE-120 VPE-122 VPE-123	VE-120 VE-122 VE-123	5782 25718	1 7/8 47.6	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	23/32 18.3	3 11/16 93.7	1 37/64 40.1	1 5/32 29.4	2 3/16 55.6	1/2	3.8 1.72
1 1/2	VPE-124	VE-124	7340 32648	2 50.8	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	13/16 20.6	4 101.6	1 49/64 44.8	1 9/32 32.5	2 3/8 60.3	1/2	5.0 2.27
1 11/16 1 3/4	VPE-127 VPE-128	VE-127 VE-128	7901 35144	2 1/8 54.0	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	3/4 19.1	4 1/4 108.0	1 49/64 44.8	1 9/32 32.5	2 1/2 63.5	1/2	5.7 2.59
1 15/16 2	VPE-131 VPE-132S	VE-131 VE-132S	7889 35090	2 1/4 57.2	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	3/4 19.1	4 9/16 115.9	1 25/32 45.2	1 9/32 32.5	2 3/4 69.9	5/8	6.3 2.86
2 2 3/16	VPE-132 VPE-135	VE-132 VE-135	9752 43377	2 1/2 63.5	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	7/8 22.2	4 31/32 126.2	1 63/64 50.4	1 7/16 36.5	3 76.2	5/8	8.1 3.67

For Replacement Lock Collar see page G-214.

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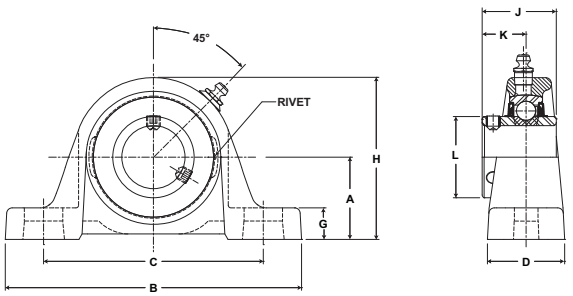
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VPS 200 Series Standard Duty Pillow Blocks - Setscrew Locking - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPS-208 VPS-210	VS-208 VS-210	2108 9377	1 3/16 30.2	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	15/32 11.9	2 7/32 56.4	1 1/32 26.2	5/8 15.9	31/32 24.6	3/8	.9 .41
3/4	VPS-212	VS-212	2611 11614	1 5/16 33.3	5 127.0	3 3/8 85.7	4 3/16 106.4	1 11/32 34.1	17/32 13.5	2 17/32 64.3	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3/8	1.4 .64
7/8 15/16 1	VPS-214 VPS-215 VPS-216	VS-214 VS-215 VS-216	2801 12459	1 7/16 36.5	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	19/32 15.1	2 13/16 71.4	1 3/8 34.9	13/16 20.6	1 3/8 34.9	3/8	1.5 .68
1 1/8 1 3/16 1 1/4	VPS-218 VPS-219 VPS-220S	VS-218 VS-219 VS-220S	4381 19487	1 11/16 42.9	6 3/16 157.2	4 3/16 105.6	5 1/16 128.6	1 3/4 44.5	21/32 16.7	3 9/32 83.3	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	2.5 1.13
1 1/4 1 3/8 1 7/16	VPS-220 VPS-222 VPS-223	VS-220 VS-222 VS-223	5782 25718	1 7/8 47.6	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	23/32 18.3	3 11/16 93.7	1 11/16 42.9	1 25.4	1 55/64 47.2	1/2	3.5 1.59
1 1/2	VPS-224	VS-224	7340 32648	2 50.8	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	13/16 20.6	4 101.6	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2	4.7 2.13
1 5/8 1 11/16 1 3/4	VPS-226 VPS-227 VPS-228	VS-226 VS-227 VS-228	7901 35144	2 1/8 54.0	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	3/4 19.1	4 1/4 108.0	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	1/2	5.5 2.49
1 15/16 2	VPS-231 VPS-232S	VS-231 VS-232S	7889 35090	2 1/4 57.2	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	3/4 19.1	4 9/16 115.9	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	6.0 3.5
2 2 3/16	VPS-232 VPS-235	VS-232 VS-235	9752 43377	2 1/2 63.5	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	7/8 22.2	4 31/32 126.2	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5/8	7.8 3.54
2 1/4 2 7/16	VPS-236 VPS-239	VS-236 VS-239	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	7/8 22.2	5 9/16 141.3	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5/8	10.1 3.5
2 15/16	VPS-247	VS-247	14839 66004	3 5/16 84.1	12 304.8	9 1/8 231.8	9 7/8 250.8	2 7/8 73.0	1 25.4	6 5/8 168.3	3 1/16 77.8	1 3/4 44.5	3 11/64 42.5	7/8	16.9 7.67

Metric dimensions for reference only.
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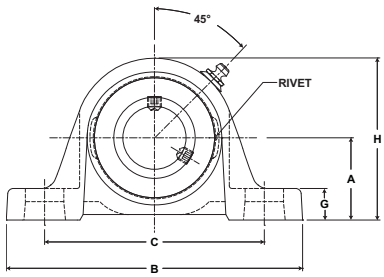
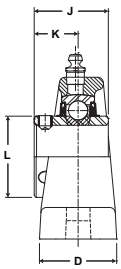
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F





VPS-200 Series Standard Duty Pillow Blocks - Setscrew Locking - Metric

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. kg/lb
				A	B	C min.	C max.	D	G	H	J	K	L		
20	VPS-20 MM	VS-20 MM	11614 2611	33.3 1 5/16	127.0 5	85.7 3 3/8	106.4 4 3/16	34.1 1 11/32	13.5 17/32	64.3 2 17/32	31.0 1 7/32	18.3 23/32	30.2 1 3/16	M10	.6 1.4
25	VPS-25 MM	VS-25 MM	12459 2801	36.5 1 7/16	139.7 5 1/2	93.7 3 11/16	115.9 4 9/16	35.7 1 13/32	15.1 19/32	71.4 2 13/16	34.9 1 3/8	20.6 13/16	34.9 1 3/8	M10	.7 1.5
30	VPS-30 MM	VS-30 MM	19487 4381	42.9 1 11/16	157.2 6 3/16	105.6 4 3/16	128.6 5 1/16	44.5 1 3/4	16.7 21/32	83.3 3 9/32	38.1 1 1/2	22.2 7/8	40.5 1 19/32	M12	1.1 2.5
35	VPS-35 MM	VS-35 MM	25718 5782	47.6 1 7/8	171.5 6 3/4	117.5 4 5/8	136.5 5 3/8	44.5 1 3/4	18.3 23/32	93.7 3 11/16	42.9 1 11/16	25.4 1	47.2 1 55/64	M12	1.6 3.5
40	VPS-40 MM	VS-40 MM	32648 7340	49.2 1 89/95	181.0 7 1/8	123.8 4 7/8	149.2 5 7/8	49.2 1 15/16	20.6 13/16	100.0 3 89/95	49.2 1 15/16	30.2 1 3/16	52.4 2 1/16	M12	2.1 4.7
45	VPS-45 MM	VS-45 MM	35144 7901	54.0 2 1/8	187.3 7 3/8	133.4 5 1/4	154.0 6 1/16	50.8 2	19.1 3/4	108.0 4 1/4	49.2 1 15/16	30.2 1 3/16	58.3 2 19/64	M12	2.5 5.5
50	VPS-50 MM	VS-50 MM	35090 7889	57.2 2 1/4	203.2 8	149.2 5 7/8	165.1 6 1/2	55.6 2 3/16	19.1 3/4	115.9 4 9/16	51.6 2 1/32	32.5 1 9/32	62.7 2 15/32	M16	3.5 6
55	VPS-55 MM	VS-55 MM	43377 9752	63.5 2 1/2	223.8 8 13/16	6.7 6 9/16	185.7 7 5/16	58.7 2 5/16	22.2 7/8	126.2 4 31/32	55.6 2 3/16	33.3 1 5/16	69.1 2 23/32	M16	3.5 7.8
60	VPS-60 MM	VS-60 MM	52437 11789	69.9 2 3/4	241.3 9 1/2	174.6 6 7/8	201.6 7 15/16	60.3 2 3/8	22.2 7/8	141.3 5 9/16	65.1 2 9/16	39.7 1 9/16	75.8 2 63/64	M16	3.5 10.1

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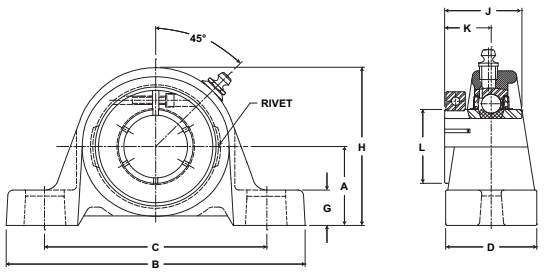
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VPB 200 Series Standard Duty Pillow Blocks - BOA Concentric Locking

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
							C									
inch	mm				A	B	min.	max.	D	G	H	J	K	L		
3/4	-	VPB-212	VB-212	2611	1 5/16	5	3 3/8	4 3/16	1 11/32	17/32	2 17/32	1 9/32	25/32	1 3/4	3/8	1.6
-	20	VPB-20MM	VB-20MM	11614	33.3	127.0	85.7	106.4	34.1	13.5	64.3	32.5	19.8	44.5		.73
7/8	-	VPB-214	VB-214													
15/16	-	VPB-215	VB-215	2801	1 7/16	5 1/2	3 11/16	4 9/16	1 13/32	19/32	2 13/16	1 7/16	7/8	1 15/16	3/8	1.9
1	-	VPB-216	VB-216	12459	36.5	139.7	93.7	115.9	35.7	15.1	71.4	36.5	22.2	49.2		.86
-	25	VPB-25MM	VB-25MM													
1 1/8	-	VPB-218	VB-218													
1 3/16	-	VPB-219	VB-219	4381	1 11/16	6 3/16	4 3/16	5 1/16	1 3/4	21/32	3 9/32	1 9/16	15/16	2 3/16	1/2	2.9
1 1/4	-	VPB-220S	VB-220S	19487	42.9	157.2	106.4	128.6	44.5	16.7	83.3	39.7	23.8	55.6		1.32
-	30	VPB-30MM	VB-30MM													
1 1/4	-	VPB-220	VB-220	5782	1 7/8	6 3/4	4 5/8	5 3/8	1 3/4	23/32	3 11/16	1 3/4	1 1/16	2 7/16	1/2	3.8
				25718	47.6	171.5	117.5	136.5	44.5	18.3	93.7	44.5	27.0	61.9		1.72
1 3/8	-	VPB-222	VB-222	5782	1 7/8	6 3/4	4 5/8	5 3/8	1 3/4	23/32	3 11/16	1 3/4	1 1/16	2 9/16	1/2	3.8
1 7/16	-	VPB-223	VB-223	25718	47.6	171.5	117.5	136.5	44.5	18.3	93.7	44.5	27.0	65.1		1.72
-	35	VPB-35MM	VB-35MM													
1 1/2	-	VPB-224	VB-224	7340	2	7 1/8	4 7/8	5 7/8	1 15/16	13/16	4	2	1 1/4	2 11/16	1/2	4.9
-	40	VPB-40MM	VB-40MM	32648	50.8	181.0	123.8	149.2	49.2	20.6	101.6	50.8	31.8	68.3		2.22
1 5/8	-	VPB-226	VB-226	7901	2 1/8	7 3/8	5 1/4	6 1/16	2	3/4	4 1/4	2	1 1/4	2 13/16	1/2	5.6
				35144	54.0	187.3	133.4	154.0	50.8	19.1	108.0	50.8	31.8	71.4		2.54
1 11/16	-	VPB-227	VB-227	7901	2 1/8	7 3/8	5 1/4	6 1/16	2	3/4	4 1/4	2	1 1/4	2 15/16	1/2	5.6
1 3/4	-	VPB-228	VB-228	35144	54.0	187.3	133.4	154.0	50.8	19.1	108.0	50.8	31.8	74.6		2.54
-	45	VPB-45MM	VB-45MM													
1 15/16	-	VPB-231	VB-231	7889	2 1/4	8	5 7/8	6 1/2	2 3/16	3/4	4 9/16	2 3/32	1 11/32	3 3/8	5/8	6.2
2	-	VPB-232S	VB-232S	35090	57.2	203.2	149.2	165.1	55.6	19.1	115.9	53.2	34.1	85.7		2.81
-	50	VPB-50MM	VB-50MM													
2	-	VPB-232	VB-232	9752	2 1/2	8 13/16	6 9/16	7 5/16	2 5/16	7/8	4 31/32	2 1/4	1 3/8	3 1/2	5/8	8.0
				43377	63.5	223.8	166.7	185.7	58.7	22.2	126.2	57.2	34.9	88.9		3.63
2 3/16	-	VPB-235	VB-235	9752	2 1/2	8 13/16	6 9/16	7 5/15	2 5/16	7/8	4 31/32	2 1/4	1 3/8	3 5/8	5/8	8.0
-	55	VPB-55MM	VB-55MM	43377	63.5	223.8	166.7	185.7	58.7	22.2	126.2	57.2	34.9	92.1		3.63
2 1/4	-	VPB-236	VB-236	11789	2 3/4	9 1/2	6 7/8	7 15/16	2 3/8	7/8	5 9/16	2 5/8	1 5/8	4 1/16	5/8	10.1
				52437	69.9	241.3	174.6	201.6	60.3	22.2	141.3	66.7	41.3	103.2		4.58
2 7/16	-	VPB-239	VB-239	11789	2 3/4	9 1/2	6 7/8	7 15/16	2 3/8	7/8	5 9/16	2 5/8	1 5/8	4 1/8	5/8	10.1
-	60	VPB-60MM	VB-60MM	52437	69.9	241.3	174.6	201.6	60.3	22.2	141.3	66.7	41.3	104.8		4.58

For Replacement Lock Collar see page G-214.

Metric dimensions for reference only.

Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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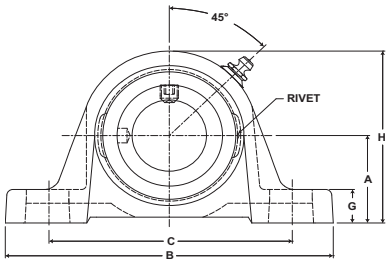
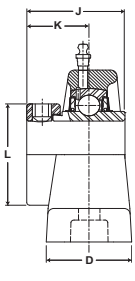
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact and Flinger
Temperature: -20° to 200°F





VPE 200 Series Standard Duty Pillow Blocks - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPE-208 VPE-210	VE-208 VE-210	2108 9377	1 3/16 30.2	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	15/32 11.9	2 7/32 56.4	1 15/32 37.3	59/64 23.4	1 3/16 30.2	3/8	1.0 .45
3/4	VPE-212	VE-212	2611 11614	1 5/16 33.3	5 127.0	3 3/8 85.7	4 3/16 106.4	1 11/32 34.1	17/32 13.5	2 17/32 64.3	1 23/32 43.7	1 3/64 26.6	1 5/16 33.3	3/8	1.5 .68
7/8 15/16 1	VPE-214 VPE-215 VPE-216	VE-214 VE-215 VE-216	2801 12459	1 7/16 36.5	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	19/32 15.1	2 13/16 71.4	1 3/4 44.5	1 1/16 27.0	1 1/2 38.1	3/8	1.8 .82
1 1/8 1 3/16 1 1/4	VPE-218 VPE-219 VPE-220S	VE-218 VE-219 VE-220S	4381 19487	1 11/16 42.9	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	21/32 16.7	3 9/32 83.3	1 29/32 48.4	1 3/16 30.2	1 3/4 44.5	1/2	2.9 1.32
1 1/4 1 3/8 1 7/16	VPE-220 VPE-222 VPE-223	VE-220 VE-222 VE-223	5782 25718	1 7/8 47.6	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	23/32 18.3	3 11/16 93.7	2 1/64 51.2	1 9/32 32.5	2 3/16 55.6	1/2	3.8 1.72
1 1/2	VPE-224	VE-224	7340 32648	2 50.8	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	13/16 20.6	4 101.6	2 7/32 56.4	1 3/8 34.9	2 3/8 60.3	1/2	5.0 2.27
1 5/8 1 11/16 1 3/4	VPE-226 VPE-227 VPE-228	VE-226 VE-227 VE-228	7901 35144	2 1/8 54.0	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	3/4 19.1	4 1/4 108.0	2 7/32 56.4	1 3/8 34.9	2 1/2 63.5	1/2	5.7 2.59
1 15/16	VPE-231	VE-231	7889 35090	2 1/4 57.2	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	3/4 19.1	4 9/16 115.9	2 15/32 62.7	1 1/2 38.1	2 3/4 69.9	5/8	6.3 2.86
2 2 3/16	VPE-232 VPE-235	VE-232 VE-235	9752 4377	2 1/2 63.5	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	7/8 22.2	4 31/32 126.2	2 13/16 71.4	1 23/32 43.7	3 76.2	5/8	8.1 3.67
2 1/4 2 7/16	VPE-236 VPE-239	VE-236 VE-239	13971 62143	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	7/8 22.2	5 9/16 141.3	3 1/16 77.8	1 27/32 46.8	3 3/8 85.7	5/8	10.2 4.63

For Replacement Lock Collar see page G-214.

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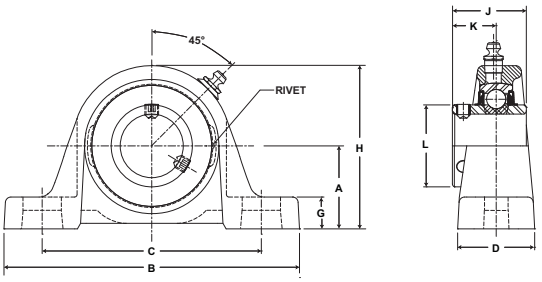
Browning

Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VPS 300 Series Medium Duty Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1	VPS-316	VS-316	4381 19487	1 3/4 44.5	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	23/32 18.3	3 11/32 84.9	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	3.6 1.63
1 3/16	VPS-319	VS-319	5782 25718	1 7/8 47.6	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	23/32 18.3	3 11/16 93.7	1 11/16 42.9	1 25.4	1 55/64 47.2	1/2	4.8 2.18
1 7/16	VPS-323	VS-323	7340 32648	2 1/8 54.0	7 1/4 184.2	5 5/16 134.9	5 3/4 146.1	2 50.8	13/16 20.6	4 3/16 106.4	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2	6.2 2.81
1 1/2	VPS-324	VS-324	7901 35144	2 5/16 58.7	7 13/16 198.4	5 19/32 142.1	6 11/32 161.1	2 3/16 55.6	13/16 20.6	4 9/16 115.9	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	5/8	8.0 3.63
1 11/16 1 3/4	VPS-327 VPS-328	VS-327 VS-328	7889 35090	2 5/16 58.7	7 15/16 201.6	5 3/4 146.1	6 1/2 165.1	2 1/4 57.2	13/16 20.6	4 5/8 117.5	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	8.0 3.63
1 15/16 2	VPS-331 VPS-332	VS-331 VS-232	7889 35090	2 1/2 63.5	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	7/8 22.2	4 31/32 126.2	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5/8	10.5 4.76
2 3/16 2 1/4	VPS-335 VPS-336	VS-335 VS-236	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	7/8 22.2	5 9/16 141.3	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5/8	14.3 6.49

Metric dimensions for reference only.

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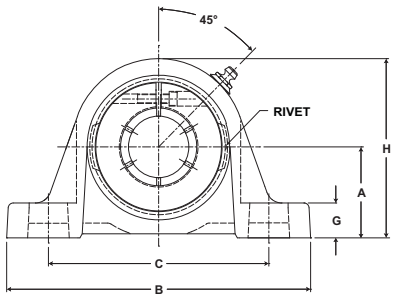
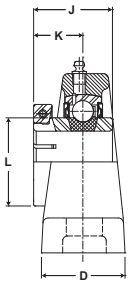
Mounted Ball Bearings

Browning®

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F





VPB 300 Series Medium Duty Pillow Blocks - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm									Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1	VPB-316	VB-316	4381 19487	1 3/4 44.5	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	23/32 18.3	3 11/32 84.9	1 9/16 39.7	15/16 23.8	2 1/16 52.4	1/2	3.1 1.41
1 3/16 1 1/4	VPB-319 VPB-320	VB-319 VB-220	5782 25718	1 7/8 47.6	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	23/32 18.3	3 11/16 93.7	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1/2	3.1 1.41
1 7/16	VPB-323	VB-323	7340 32648	2 1/8 54.0	7 1/4 184.2	5 5/16 134.9	5 3/4 146.1	2 50.8	13/16 20.6	4 3/16 106.4	2 50.8	1 1/4 31.8	2 11/16 68.3	1/2	3.9 1.77
1 1/2	VPB-324	VB-324	7901 35144	2 5/16 58.7	7 13/16 198.4	5 19/32 142.1	6 11/32 161.1	2 3/16 55.6	13/16 20.6	4 9/16 115.9	2 50.8	1 1/4 31.8	2 13/16 71.4	1/2	4.8 2.18
1 11/16 1 3/4	VPB-327 VPB-328	VB-327 VB-328	7889 35090	2 5/16 58.7	7 15/16 201.6	5 3/4 146.1	6 1/2 165.1	2 1/4 57.2	13/16 20.6	4 5/8 117.5	2 3/32 53.2	1 11/32 34.1	3 1/4 82.6	5/8	5.8 2.63
1 15/16 2	VPB-331 VPB-332	VB-331 VB-232	9752 43377	2 1/2 63.5	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	7/8 22.2	4 31/32 126.2	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5/8	8.1 3.67
2 3/16	VPB-335	VB-335	11789 52437	2 3/4 69.9	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	7/8 22.2	5 9/16 141.3	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5/8	10.4 4.72

For Replacement Lock Collar see page G-214.

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate

Rolling Elements: Ball

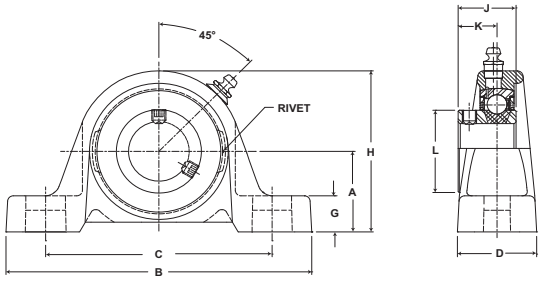
Housing: Cast Iron Pillow Block – Low Base

Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F



VPLS 100 Series Intermediate Duty Low Base Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPLS-108 VPLS-110	VS-108 VS-110	2108 9377	1 1/16 27.0	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	11/32 8.7	2 3/32 53.2	15/16 23.8	5/8 15.9	31/32 24.6	3/8	.7 .32
3/4	VPLS-112	VS-112	2611 11614	1 1/4 31.8	5 127.0	3 15/32 88.1	4 9/32 108.7	1 11/32 34.1	15/32 11.9	2 15/32 62.7	1 1/16 27.0	23/32 18.3	1 3/16 30.2	3/8	1.3 .59
7/8 15/16 1	VPLS-114 VPLS-115 VPLS-116	VS-114 VS-115 VS-116	2801 12459	1 5/16 33.3	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	15/32 11.9	2 11/16 68.3	1 7/64 28.2	49/64 19.4	1 3/8 34.9	3/8	1.4 .64
1 1/8 1 3/16 1 1/4	VPLS-118 VPLS-119 VPLS-120S	VS-118 VS-119 VS-120S	4381 19487	1 9/16 39.7	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	17/32 13.5	3 5/32 80.2	1 5/32 29.4	25/32 19.8	1 19/32 40.5	1/2	2.4 1.09
1 1/4 1 3/8 1 7/16	VPLS-120 VPLS-122 VPLS-123	VS-120 VS-122 VS-123	5782 25718	1 13/16 46.0	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	21/32 16.7	3 5/8 92.1	1 9/32 32.5	55/64 21.8	1 55/64 47.2	1/2	3.5 1.59
1 1/2	VPLS-124	VS-124	7340 32648	1 15/16 49.2	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	3/4 19.1	3 15/16 100.0	1 27/64 36.1	15/16 23.8	2 1/16 52.4	1/2	4.5 2.04
1 11/16 1 3/4	VPLS-127 VPLS-128	VS-127 VS-128	7901 35144	2 1/16 52.4	7 3/8 187.3	5 7/16 138.1	5 7/8 149.2	2 50.8	11/16 17.5	4 3/16 106.4	1 7/16 36.5	61/64 24.2	2 19/64 58.3	1/2	5.5 2.49
1 15/16 2	VPLS-131 VPLS-132S	VS-131 VS-132S	7889 35090	2 3/16 55.6	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	11/16 17.5	4 1/2 114.3	1 35/64 39.3	1 3/64 26.6	2 15/32 62.7	5/8	5.9 2.68
2 2 3/16	VPLS-132 VPLS-135	VS-132 VS-135	9752 43377	2 7/16 61.9	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	13/16 20.6	4 29/32 124.6	1 21/32 42.1	1 7/64 28.2	2 23/32 69.1	5/8	7.6 3.45

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Intermediate

Rolling Elements: Ball

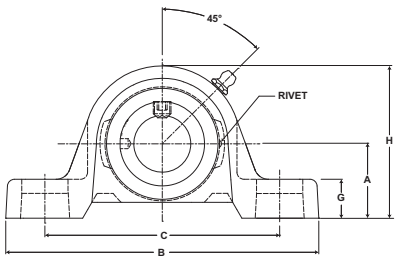
Housing: Cast Iron Pillow Block – Low Base

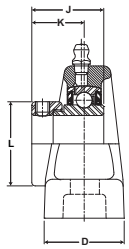
Self Alignment: +/- 1.5 Degrees

Lock: Eccentric

Seal: Contact

Temperature: -20° to 200°F





VPLE 100 Series Intermediate Duty Low Base Pillow Blocks - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPLE-108 VPLE-110	VE-108 VE-110	2108 9377	1 1/16 27.0	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	11/32 8.7	2 3/32 53.2	1 3/16 30.2	7/8 22.2	1 3/16 30.2	3/8	.8 .36
3/4	VPLE-112	VE-112	2611 11614	1 1/4 31.8	5 127.0	3 15/32 88.1	4 9/32 108.7	1 11/32 34.1	15/32 11.9	2 15/32 62.7	1 17/64 32.1	59/64 23.4	1 5/16 33.3	3/8	1.4 .64
7/8 15/16 1	VPLE-114 VPLE-115 VPLE-116	VE-114 VE-115 VE-116	2801 12459	1 5/16 33.3	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	15/32 11.9	2 11/16 68.3	1 17/64 32.1	59/64 23.4	1 1/2 38.1	3/8	1.7 .77
1 1/8 1 3/16 1 1/4	VPLE-118 VPLE-119 VPLE-120S	VE-118 VE-119 VE-120S	4381 19487	1 9/16 39.7	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	17/32 13.5	3 5/32 80.2	1 27/64 36.1	1 3/64 26.6	1 3/4 44.5	1/2	2.8 1.27
1 1/4 1 3/8 1 7/16	VPLE-120 VPLE-122 VPLE-123	VE-120 VE-122 VE-123	5782 25718	1 13/16 46.0	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	21/32 16.7	3 5/8 92.1	1 37/64 40.1	1 5/32 29.4	2 3/16 55.6	1/2	3.7 1.68
1 1/2	VPLE-124	VE-124	7340 32648	1 15/16 49.2	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	3/4 19.1	3 15/16 100.0	1 49/64 44.8	1 9/32 32.5	2 3/8 60.3	1/2	4.8 2.18
1 11/16 1 3/4	VPLE-127 VPLE-128	VE-127 VE-128	7901 35144	2 1/16 52.4	7 3/8 187.3	5 7/16 138.1	5 7/8 149.2	2 50.8	11/16 17.5	4 3/16 106.4	1 49/64 44.8	1 9/32 32.5	2 1/2 63.5	1/2	5.6 2.54
1 15/16 2	VPLE-131 VPLE-132S	VE-131 VE-132S	7889 35090	2 3/16 55.6	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	11/16 17.5	4 1/2 114.3	1 25/32 45.2	1 9/32 32.5	2 3/4 69.9	5/8	6.2 2.81
2 2 3/16	VPLE-132 VPLE-135	VE-132 VE-135	9752 43377	2 7/16 61.9	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	13/16 20.6	4 29/32 124.6	1 63/64 50.4	1 7/16 36.5	3 76.2	5/8	7.9 3.58

For Replacement Lock Collar see page G-214.

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

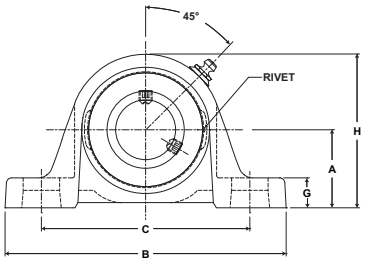
Housing: Cast Iron Pillow Block – Low Base

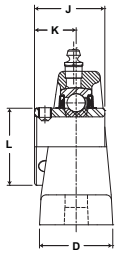
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact and Flinger

Temperature: -20° to 200°F





VPLS 200 Series Standard Duty Low Base Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPLS-208 VPLS-210	VS-208 VS-210	2108 9377	1 1/16 27.0	4 7/8 123.8	3 1/8 79.4	4 1/8 104.8	1 7/32 31.0	11/32 8.7	2 3/32 53.2	1 1/32 26.2	5/8 15.9	31/32 24.6	3/8	.7 .32
3/4	VPLS-212	VS-212	2611 11614	1 1/4 31.8	5 127.0	3 3/8 85.7	4 3/16 106.4	1 11/32 34.1	15/32 11.9	2 15/32 62.7	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3/8	1.3 .59
7/8 15/16 1	VPLS-214 VPLS-215 VPLS-216	VS-214 VS-215 VS-216	2801 12459	1 5/16 33.3	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	15/32 11.9	2 11/16 68.3	1 3/8 34.9	13/16 20.6	1 3/8 34.9	3/8	1.4 .64
1 1/8 1 3/16 1 1/4	VPLS-218 VPLS-219 VPLS-220S	VS-218 VS-219 VS-220S	4381 19487	1 9/16 39.7	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	17/32 13.5	3 5/32 80.2	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	2.4 1.09
1 1/4 1 3/8 1 7/16	VPLS-220 VPLS-222 VPLS-223	VS-220 VS-222 VS-223	5782 25718	1 13/16 46.0	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	21/32 16.7	3 5/8 92.1	1 11/16 42.9	1 25.4	1 55/64 47.3	1/2	3.5 1.59
1 1/2	VPLS-224	VS-224	7340 32648	1 15/16 49.2	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	3/4 19.1	3 15/16 100.0	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2	4.5 2.04
1 5/8 1 11/16 1 3/4	VPLS-226 VPLS-227 VPLS-228	VS-226 VS-227 VS-228	7901 35144	2 1/16 52.4	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	11/16 17.5	4 3/16 106.4	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	1/2	5.5 2.49
1 15/16 2	VPLS-231 VPLS-232S	VS-231 VS-232S	7889 35090	2 3/16 55.6	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	11/16 17.5	4 1/2 114.3	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8	5.9 2.68
2 2 3/16	VPLS-232 VPLS-235	VS-232 VS-235	9752 43377	2 7/16 61.9	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	13/16 20.6	4 29/32 124.6	2 3/16 55.6	1 19/64 32.9	2 23/32 69.1	5/8	7.6 3.45
2 1/4 2 7/16	VPLS-236 VPLS-239	VS-236 VS-239	11789 52437	2 11/16 68.3	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	13/16 20.6	5 1/2 139.7	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5/8	9.7 4.40

Metric dimensions for reference only.

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Duty: Standard

Rolling Elements: Ball

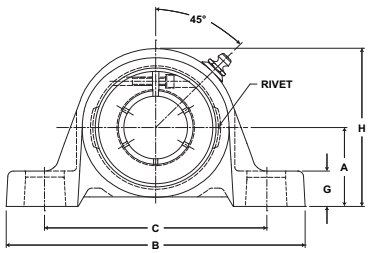
Housing: Cast Iron Pillow Block – Low Base

Self Alignment: +/- 1.5 Degrees

Lock: BOA Concentric

Seal: Contact and Flinger

Temperature: -20° to 200°F



VPLB 200 Series Standard Duty Low Base Pillow Blocks - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
3/4	VPLB-212	VB-212	2611 11614	1 1/4 31.8	5 127.0	3 3/8 85.7	4 3/16 106.4	1 11/32 34.1	15/32 11.9	2 15/32 62.7	1 9/32 32.5	25/32 19.8	1 3/4 44.5	3/8	1.4 .64
7/8 15/16 1	VPLB-214 VPLB-215 VPLB-216	VB-214 VB-215 VB-216	2801 12459	1 5/16 33.3	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	15/32 11.9	2 11/16 68.3	1 7/16 36.5	7/8 22.2	1 15/16 49.2	3/8	1.6 .73
1 1/8 1 3/16 1 1/4	VPLB-218 VPLB-219 VPLB-220S	VB-218 VB-219 VB-220S	4381 19487	1 9/16 39.7	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	17/32 13.5	3 5/32 80.2	1 9/16 39.7	15/16 23.8	2 3/16 55.6	1/2	2.6 1.18
1 1/4	VPLB-220	VB-220	5782 25718	1 13/16 46.0	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	21/32 16.7	3 5/8 92.1	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1/2	3.8 1.72
1 3/8 1 7/16	VPLB-222 VPLB-223	VB-222 VB-223	5782 25718	1 13/16 46.0	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	21/32 16.7	3 5/8 92.1	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1/2	3.8 1.72
1 1/2	VPLB-224	VB-224	7340 32648	1 15/16 49.2	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	3/4 19.1	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	1/2	4.8 2.18
1 5/8	VPLB-226	VB-226	7901 35144	2 1/16 52.4	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	11/16 17.5	4 3/16 106.4	2 50.8	1 1/4 31.8	2 13/16 71.4	1/2	5.8 2.63
1 11/16 1 3/4	VPLB-227 VPLB-228	VB-227 VB-228	7901 35144	2 1/16 52.4	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	11/16 17.5	4 3/16 106.4	2 50.8	1 1/4 31.8	2 15/16 74.6	1/2	6.5 2.95
1 15/16 2	VPLB-231 VPLB-232S	VB-231 VB-232S	7889 35090	2 3/16 55.6	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	11/16 17.5	4 1/2 114.3	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	5/8	6.5 2.95
2	VPLB-232	VB-232	9752 43377	2 7/16 61.9	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	13/16 20.6	4 29/32 124.6	2 1/4 57.2	1 3/8 34.9	3 1/2 88.9	5/8	8.2 3.72
2 3/16	VPLB-235	VB-235	9752 43377	2 7/16 61.9	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 58.7	13/16 20.6	4 29/32 124.6	2 1/4 57.2	1 3/8 34.9	3 5/8 92.1	5/8	10.9 4.94
2 1/4	VPLB-236	VB-236	11789 52437	2 11/16 68.3	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	13/16 20.6	5 1/2 139.7	2 5/8 66.7	1 5/8 41.3	4 1/16 103.2	5/8	10.9 4.94
2 7/16	VPLB-239	VB-239	11789 52437	2 11/16 68.3	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	13/16 20.6	5 1/2 139.7	2 5/8 66.7	1 5/8 41.3	4 1/8 104.8	5/8	10.9 4.94

For Replacement Lock Collar see page G-214.

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

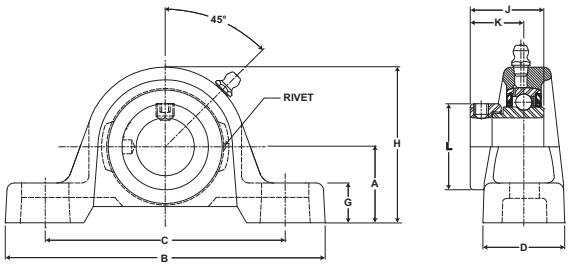
Housing: Cast Iron Pillow Block – Low Base

Self Alignment: +/- 1.5 Degrees

Lock: Eccentric

Seal: Contact and Flinger

Temperature: -20° to 200°F



VPLE 200 Series Standard Duty Low Base Pillow Blocks - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2	VPLE-208	VE-208	2108	1 1/16	4 7/8	3 1/8	4 1/8	1 7/32	11/32	2 3/32	1 15/32	59/64	1 3/16	3/8	.8
5/8	VPLE-210	VE-210	9377	27.0	123.8	79.4	104.8	31.0	8.7	53.2	37.3	23.4	30.2		.36
3/4	VPLE-212	VE-212	2611 11614	1 1/4 31.8	5 127.0	3 3/8 85.7	4 3/16 106.4	1 11/32 34.1	15/32 11.9	2 15/32 62.7	1 23/32 43.7	1 3/64 26.6	1 5/16 33.3	3/8	1.4 .64
7/8	VPLE-214	VE-214	2801 12459	1 5/16 33.3	5 1/2 139.7	3 11/16 93.7	4 9/16 115.9	1 13/32 35.7	15/32 11.9	2 11/16 68.3	1 3/4 44.5	1 1/16 27.0	1 1/2 38.1	3/8	1.7 .77
15/16	VPLE-215	VE-215													
1	VPLE-216	VE-216													
1 1/8	VPLE-218	VE-218	4381 19487	1 9/16 39.7	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	17/32 13.5	3 5/32 80.2	1 29/32 48.4	1 3/16 30.2	1 3/4 44.5	1/2	2.8 1.27
1 3/16	VPLE-219	VE-219													
1 1/4	VPLE-220S	VE-220S													
1 1/4	VPLE-220	VE-220	5782 25718	1 13/16 46.0	6 3/4 171.5	4 5/8 117.5	5 3/8 136.5	1 3/4 44.5	21/32 16.7	3 5/8 92.1	2 1/64 51.2	1 9/32 32.5	2 3/16 55.6	1/2	3.7 1.68
1 3/8	VPLE-222	VE-222													
1 7/16	VPLE-223	VE-223													
1 1/2	VPLE-224	VE-224	7340 32648	1 15/16 49.2	7 1/8 181.0	4 7/8 123.8	5 7/8 149.2	1 15/16 49.2	3/4 19.1	3 15/16 100.0	2 7/32 56.4	1 3/8 34.9	2 3/8 60.3	1/2	4.8 2.18
1 5/8	VPLE-226	VE-226	7901 35144	2 1/16 52.4	7 3/8 187.3	5 1/4 133.4	6 1/16 154.0	2 50.8	11/16 17.5	4 3/16 106.4	2 7/32 56.4	1 3/8 34.9	2 1/2 63.5	1/2	5.6 2.54
1 11/16	VPLE-227	VE-227													
1 3/4	VPLE-228	VE-228													
1 15/16	VPLE-231	VE-231	7889 35090	2 3/16 55.6	8 203.2	5 7/8 149.2	6 1/2 165.1	2 3/16 55.6	11/16 17.5	4 1/2 114.3	2 15/32 62.7	1 1/2 38.1	2 3/4 69.9	5/8	6.2 2.81
2	VPLE-232	VE-232	9752 43377	2 7/16 61.9	8 13/16 223.8	6 9/16 166.7	7 5/16 185.7	2 5/16 188.9	13/16 58.7	4 29/32 20.6	2 13/16 124.6	1 23/32 71.4	3 43.7	5/8	7.9 .28
2 3/16	VPLE-235	VE-235													
2 1/4	VPLE-236	VE-236	11789 52437	2 11/16 68.3	9 1/2 241.3	6 7/8 174.6	7 15/16 201.6	2 3/8 60.3	13/16 20.6	5 1/2 139.7	3 1/16 77.8	1 27/32 46.8	3 3/8 85.7	5/8	10 4.54
2 7/16	VPLE-239	VE-239													

For Replacement Lock Collar see page G-214.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Standard

Rolling Elements: Ball

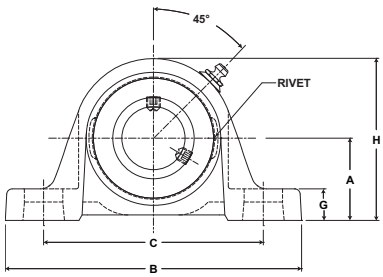
Housing: Cast Iron Pillow Block - Alternate Base

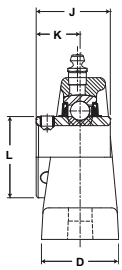
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F





VPDS 200 Series Standard Duty Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm									Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1 3/16 1 1/4	VPDS-219 VPDS-220S	VS-219 VS-220S	4381 19487	1 5/8 41.3	6 3/16 157.2	4 3/16 106.4	5 1/16 128.6	1 3/4 44.5	19/32 15.1	3 9/32 83.3	1 1/2 38.1	7/8 22.2	1 19/32 40.5	1/2	2.8 1.27
1 1/2	VPDS-224	VS-224	7340 32648	2 1/8 54.0	7 1/4 184.2	5 7/32 132.6	5 27/32 148.4	2 50.8	13/16 20.6	4 3/16 106.4	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2	5.3 2.40

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate

Rolling Elements: Ball

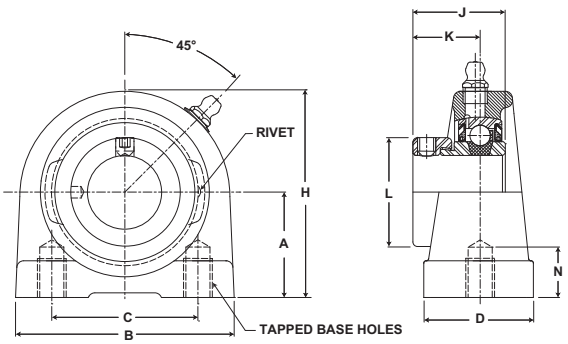
Housing: Cast Iron Tapped Base Pillow Block

Self Alignment: +/- 1.5 Degrees

Lock: Eccentric

Seal: Contact

Temperature: -20° to 200°F



VTBE 100 Series Intermediate Duty Tapped Base Pillow Blocks - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Tapped Hole Thread Size	N Min Tap Depth	Unit Wt. lb/kg
				A	B	C	D	H	J	K	L			
3/4	VTBE-112	VE-112	2611 11614	1 5/16 33.3	2 7/8 73.0	2 50.8	1 1/2 38.1	2 9/16 65.1	1 17/64 32.1	59/64 23.4	1 5/16 33.3	3/8-16	1/2	1.5 .68
7/8 15/16 1	VTBE-114 VTBE-115 VTBE-116	VE-114 VE-115 VE-116	2801 12459	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 17/64 32.1	59/64 23.4	1 1/2 38.1	3/8-16	1/2	1.6 .73
1 1/8 1 3/16 1 1/4	VTBE-118 VTBE-119 VTBE-120S	VE-118 VE-119 VE-120S	4381 19487	1 11/16 42.9	4 101.6	3 76.2	1 1/2 38.1	3 3/8 85.7	1 27/64 36.1	1 3/64 26.6	1 3/4 44.5	7/16-14	5/8	2.5 1.13
1 1/4 1 3/8 1 7/16	VTBE-120 VTBE-122 VTBE-123	VE-120 VE-122 VE-123	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 37/64 40.1	1 5/32 29.4	2 3/16 55.6	1/2-13	3/4	3.4 1.54
1 1/2	VTBE-124	VE-124	7340 32648	1 15/16 49.2	4 5/8 117.5	3 1/2 88.9	1 7/8 47.6	3 15/16 100.0	1 49/64 44.8	1 9/32 32.5	2 3/8 60.3	1/2-13	3/4	3.8 1.72
1 11/16 1 3/4	VTBE-127 VTBE-128	VE-127 VE-128	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	1 49/64 44.8	1 9/32 32.5	2 1/2 63.5	1/2-13	3/4	4.7 2.13
1 15/16 2	VTBE-131 VTBE-132S	VE-131 VE-132S	7889 35090	2 1/4 57.2	5 1/2 139.7	4 101.6	2 50.8	4 5/8 117.5	1 25/32 45.2	1 9/32 32.5	2 3/4 69.9	5/8-11	7/8	5.7 2.59

For Replacement Lock Collar see page G-214.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Standard

Rolling Elements: Ball

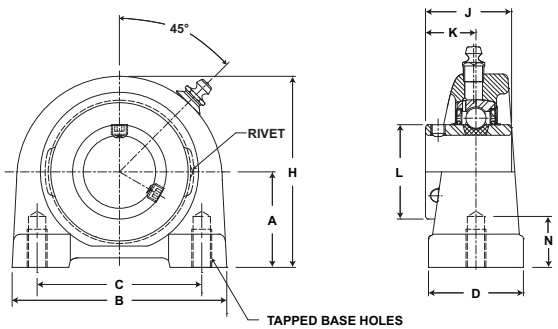
Housing: Cast Iron Tapped Base Pillow Block

Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact and Flinger

Temperature: -20° to 200°F



VTBS 200 Series Standard Duty Tapped Base Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B	C	D	H	J	K	L	Tapped Hole Thread Size	N Min Tap Depth	Unit Wt. lb/kg
1/2 5/8	VTBS-208 VTBS-210	VS-208 VS-210	2108 9377	1 5/16 33.3	2 7/8 73.0	2 50.8	1 1/2 38.1	2 9/16 65.1	1 1/32 26.2	5/8 15.9	31/32 24.6	3/8-16	1/2	1.3 .59
3/4	VTBS-212	VS-212	2611 11614	1 5/16 33.3	2 7/8 73.0	2 50.8	1 1/2 38.1	2 9/16 65.1	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3/8-16	1/2	1.5 .68
7/8 15/16 1	VTBS-214 VTBS-215 VTBS-216	VS-214 VS-215 VS-216	2801 12459	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 3/8 34.9	13/16 20.6	1 3/8 34.9	3/8-16	1/2	1.6 .73
1 1/8 1 3/16 1 1/4	VTBS-218 VTBS-219 VTBS-220S	VS-218 VS-219 VS-220S	4381 19487	1 11/16 42.9	4 101.6	3 76.2	1 1/2 38.1	3 3/8 85.7	1 1/2 38.1	7/8 22.2	1 19/32 40.5	7/16-14	5/8	2.5 1.13
1 1/4 1 3/8 1 7/16	VTBS-220 VTBS-222 VTBS-223	VS-220 VS-222 VS-223	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 11/16 42.9	1 25.4	1 55/64 47.2	1/2-13	3/4	3.4 1.54
1 1/2	VTBS-224	VS-224	7340 32648	1 15/16 49.2	4 5/8 117.5	3 1/2 88.9	1 7/8 47.6	3 15/16 100.0	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	1/2-13	3/4	3.8
1 5/8 1 11/16 1 3/4	VTBS-226 VTBS-227 VTBS-228	VS-226 VS-227 VS-228	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	1/2-13	3/4	4.7 2.13
1 15/16 2	VTBS-231 VTBS-232S	VS-231 VS-232S	7889 35090	2 1/4 57.2	5 1/2 139.7	4 101.6	2 50.8	4 5/8 117.5	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	5/8-11	7/8	5.7 2.59

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

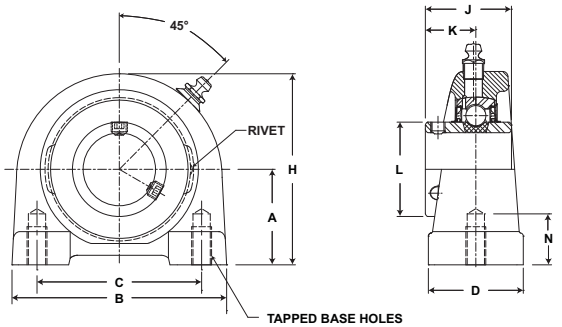
Housing: Cast Iron Tapped Base Pillow Block

Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact and Flinger

Temperature: -20° to 200°F



VTBS 200 Series Standard Duty Tapped Base Pillow Blocks - Setscrew Locking - Metric

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch								Tapped Hole Thread Size	N Min Tap Depth	Unit Wt. kg/lb
				A	B	C	D	H	J	K	L			
20	VTBS-20 MM	VS-20 MM	11614 2611	33.3 1 5/16	73.0 2 7/8	50.8 2	38.1 1 1/2	65.1 2 9/16	31.0 1 7/32	18.3 23/32	30.2 1 3/16	M8	12.7	.68 1.5
25	VTBS-25MM	VS-25MM	12459 2801	36.5 1 7/16	76.2 3	50.8 2	38.1 1 1/2	71.4 2 13/16	34.9 1 3/8	20.6 13/16	34.9 1 3/8	M25	12.7	.73 1.6
30	VTBS-30MM	VS-30MM	19487 4381	42.9 1 11/16	101.6 4	76.2 3	38.1 1 1/2	85.7 3 3/8	38.1 1 1/2	22.2 7/8	40.5 1 19/32	M10	15.9	1.13 2.5
35	VTBS-35MM	VS-35MM	25718 5782	47.6 1 7/8	108.0 4 1/4	82.6 3 1/4	47.6 1 7/8	95.3 3 3/4	42.9 1 11/16	25.4 1	47.2 1 55/64	M10	19.1	1.5 3.4
40	VTBS-40MM	VS-40MM	32648 7340	49.2 1 15/16	117.5 4 5/8	88.9 3 1/2	47.6 1 7/8	100.0 3 15/16	49.2 1 15/16	30.2 1 3/16	52.4 2 1/16	M12	19.1	1.72 3.8
45	VTBS-45MM	VS-45MM	35144 7901	54.0 2 1/8	127.0 5	95.3 3 3/4	50.8 2	108.0 4 1/4	49.2 1 15/16	30.2 1 3/16	58.3 2 19/64	M12	19.1	2.13 4.7
50	VTBS-50MM	VS-50MM	35090 7889	57.2 2 1/4	139.7 5 1/2	101.6 4	50.8 2	117.5 4 5/8	51.6 2 1/32	32.5 1 9/32	62.7 2 15/32	M16	22.2	2.59 5.7

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Standard

Rolling Elements: Ball

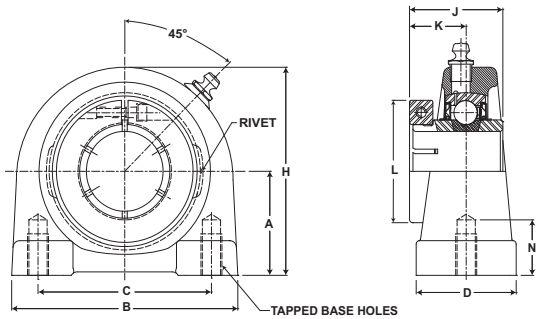
Housing: Cast Iron Tapped Base Pillow Block

Self Alignment: +/- 1.5 Degrees

Lock: BOA

Seal: Contact and Flinger

Temperature: -20° to 200°F



VTBB 200 Series Standard Duty Tapped Base Pillow Blocks - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Tapped Hole Thread Size	N Min Tap Depth	Unit Wt. lb/kg
				A	B	C	D	H	J	K	L			
3/4	VTBB-212	VB-212	2611 11614	1 5/16 33.3	2 7/8 73.0	2 50.8	1 1/2 38.1	2 9/16 65.1	1 9/32 32.5	25/32 19.8	1 3/4 44.5	3/8-16	1/2	1.7 .77
7/8 15/16 1	VTBB-214 VTBB-215 VTBB-216	VB-214 VB-215 VB-216	2801 12459	1 7/16 36.5	3 76.2	2 50.8	1 1/2 38.1	2 13/16 71.4	1 7/16 36.5	7/8 22.2	1 15/16 49.2	3/8-16	1/2	1.8 .82
1 1/8 1 3/16 1 1/4	VTBB-218 VTBB-219 VTBB-220S	VB-218 VB-219 VB-220S	4381 19487	1 11/16 42.9	4 101.6	3 76.2	1 1/2 38.1	3 3/8 85.7	1 9/16 39.7	15/16 23.8	2 3/16 55.6	7/16-14	5/8	2.8 1.27
1 1/4	VTBB-220	VB-220	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 7/16 61.9	1/2-13	3/4	4.0 1.81
1 3/8 1 7/16	VTBB-222 VTBB-223	VB-222 VB-223	5782 25718	1 7/8 47.6	4 1/4 108.0	3 1/4 82.6	1 7/8 47.6	3 3/4 95.3	1 3/4 44.5	1 1/16 27.0	2 9/16 65.1	1/2-13	3/4	4.0 1.81
1 1/2	VTBB-224	VB-224	7340 32648	1 15/16 49.2	4 5/8 117.5	3 1/2 88.9	1 7/8 47.6	3 15/16 100.0	2 50.8	1 1/4 31.8	2 11/16 68.3	1/2-13	3/4	4.5 2.04
1 5/8	VTBB-226	VB-226	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	2 50.8	1 1/4 31.8	2 13/16 71.4	1/2-13	3/4	5.6 2.54
1 11/16 1 3/4	VTBB-227 VTBB-228	VB-227 VB-228	7901 35144	2 1/8 54.0	5 127.0	3 3/4 95.3	2 50.8	4 1/4 108.0	2 50.8	1 1/4 31.8	2 15/16 74.6	1/2-13	3/4	5.6 2.54
1 15/16 2	VTBB-231 VTBB-232S	VB-231 VB-232S	7889 35090	2 1/4 57.2	5 1/2 139.7	4 101.6	2 50.8	4 5/8 117.5	2 3/32 53.2	1 11/32 34.1	3 3/8 85.7	5/8-11	7/8	6.9 3.13

For Replacement Lock Collar see page G-214.

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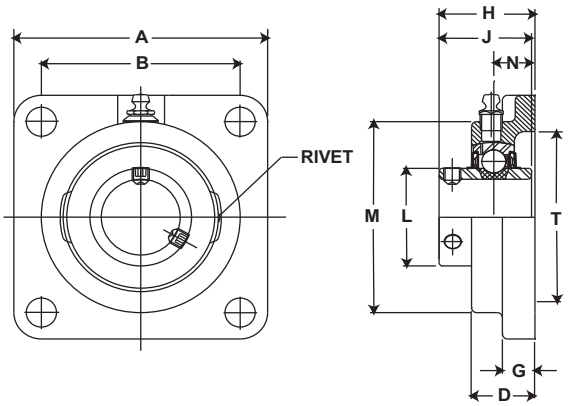
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4S 100 Series Intermediate Duty Four Bolt Flanges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	D	G	H	J	L	M	N	T Cored		
1/2 5/8	VF4S-108 VF4S-110	VS-108 VS-110	2108 9377	3 76.2	2 1/8 54.0	23/32 18.3	3/8 9.5	1 5/64 27.4	15/16 23.8	31/32 24.6	2 1/8 54.0	5/16 7.9	1 3/4 44.5	3/8	1.0 .45
3/4	VF4S-112	VS-112	2611 11614	3 3/8 85.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 9/32 32.5	1 1/16 27.0	1 3/16 30.2	2 1/2 63.5	11/32 8.7	2 50.8	3/8	1.3 .59
7/8 15/16 1	VF4S-114 VF4S-115 VF4S-116	VS-114 VS-115 VS-116	2801 12459	3 3/4 95.3	2 3/4 69.9	61/64 24.2	1/2 12.7	1 25/64 35.3	1 7/64 28.2	1 3/8 34.9	2 3/4 69.9	11/32 8.7	2 1/2 63.5	7/16	1.7 .77
1 1/8 1 3/16 1 1/4	VF4S-118 VF4S-119 VF4S-120S	VS-118 VS-119 VS-120S	4381 19487	4 1/4 108.0	3 1/4 82.6	1 5/64 27.4	17/32 13.5	1 15/32 37.3	1 5/32 29.4	1 19/32 40.5	3 1/8 79.4	3/8 9.5	2 7/8 73.0	7/16	2.4 1.09
1 1/4 1 3/8 1 7/16	VF4S-120 VF4S-122 VF4S-123	VS-120 VS-122 VS-123	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 39/64 40.9	1 9/32 32.5	1 55/64 47.2	3 5/8 92.1	27/64 10.7	3 1/4 82.6	1/2	3.4 1.54
1 1/2	VF4S-124	VS-124	7340 32648	5 1/8 130.2	4 101.6	1 19/64 32.9	5/8 15.9	1 49/64 44.8	1 27/64 36.1	2 1/16 52.4	4 1/8 104.8	31/64 12.3	3 1/2 88.9	1/2	4.4 2.00
1 11/16 1 3/4	VF4S-127 VF4S-128	VS-127 VS-128	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	1 13/16 46.0	1 7/16 36.5	2 19/64 58.3	4 3/8 111.1	31/64 12.3	3 7/8 98.4	9/16	4.7 2.13
1 15/16 2	VF4S-131 VF4S-132S	VS-131 VS-132S	7889 35090	5 5/8 142.9	4 3/8 111.1	1 23/64 34.5	5/8 15.9	1 59/64 48.8	1 35/64 39.3	2 15/32 62.7	4 9/16 115.9	1/2 12.7	4 101.6	9/16	5.4 2.45
2 2 3/16	VF4S-132 VF4S-135	VS-132 VS-135	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 7/64 53.6	1 21/32 42.1	2 23/32 69.1	5 1/4 133.4	35/64 13.9	4 1/4 108.0	5/8	7.7 3.49

* To obtain bolt circle multiply B x 1.414".

Metric dimensions for reference only.
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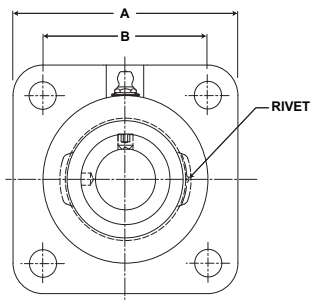
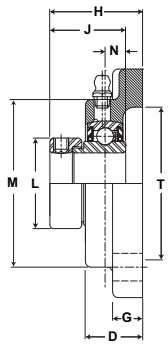
Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact
Temperature: -20° to 200°F





VF4E 100 Series Intermediate Duty Four Bolt Flanges - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	D	G	H	J	L	M	N	T Cored		
1/2 5/8	VF4E-108 VF4E-110	VE-108 VE-110	2108 9377	3 76.2	2 1/8 54.0	23/32 18.3	3/8 9.5	1 21/64 33.7	1 3/16 30.2	1 3/16 30.2	2 1/8 54.0	5/16 7.9	1 3/4 44.5	3/8	1.1 .50
3/4	VF4E-112	VE-112	2611 11614	3 3/8 85.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 31/64 37.7	1 17/64 32.1	1 5/16 33.3	2 1/2 63.5	11/32 8.7	2 50.8	3/8	1.4 .64
7/8 15/16 1	VF4E-114 VF4E-115 VF4E-116	VE-114 VE-115 VE-116	2801 12459	3 3/4 95.3	2 3/4 69.9	61/64 24.2	1/2 12.7	1 35/64 39.3	1 17/64 32.1	1 1/2 38.1	2 3/4 69.9	11/32 8.7	2 1/2 63.5	7/16	1.8 .82
1 1/8 1 3/16 1 1/4	VF4E-118 VF4E-119 VF4E-120S	VE-118 VE-119 VE-120S	4381 19487	4 1/4 108.0	3 1/4 82.6	1 5/64 27.4	17/32 13.5	1 47/64 44.1	1 27/64 36.1	1 3/4 44.5	3 1/8 79.4	3/8 9.5	2 7/8 73.0	7/16	2.6 1.18
1 1/4 1 3/8 1 7/16	VF4E-120 VF4E-122 VF4E-123	VE-120 VE-122 VE-123	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 29/32 48.4	1 37/64 40.1	2 3/16 55.6	3 5/8 92.1	27/64 10.7	3 1/4 82.6	1/2	3.6 1.63
1 1/2	VF4E-124	VE-124	7340 32648	5 1/8 130.2	4 101.6	1 19/64 32.9	5/8 15.9	2 7/64 53.6	1 49/64 44.8	2 3/8 60.3	4 1/8 104.8	31/64 12.3	3 1/2 88.9	1/2	4.7 2.13
1 11/16 1 3/4	VF4E-127 VF4E-128	VE-127 VE-128	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	2 9/64 54.4	1 49/64 44.8	2 1/2 63.5	4 3/8 111.1	31/64 12.3	3 7/8 98.4	9/16	5.0 2.27
1 15/16 2	VF4E-131 VF4E-132S	VE-131 VE-132S	7889 35090	5 5/8 142.9	4 3/8 111.1	1 23/64 34.5	5/8 15.9	2 5/32 54.8	1 25/32 45.2	2 3/4 69.9	4 9/16 115.9	1/2 12.7	4 101.6	9/16	5.6 2.54
2 2 3/16	VF4E-132 VF4E-135	VE-132 VE-135	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 7/16 61.9	1 63/64 50.4	3 76.2	5 1/4 133.4	35/64 13.9	4 1/4 108.0	5/8	7.7 3.49

* To obtain bolt circle multiply B x 1.414".

For Replacement Lock Collar see page G-214.

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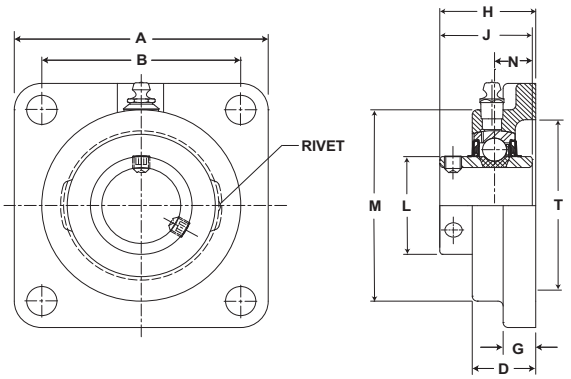
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4S 200 Series Standard Duty Four Bolt Flanges - Setscrew Locking - Inch

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
inch	mm				A	B*	D	G	H	J	L	M	N	T Cored		
1/2	12.7	VF4S-208	VS-208	2108	3	2 1/8	23/32	3/8	1 5/64	1 1/32	31/32	2 1/8	13/32	1 3/4	3/8	1.1
5/8	15.9	VF4S-210	VS-210	9377	76.2	54.0	18.3	9.5	27.4	26.2	24.6	54.0	10.3	44.5		.50
3/4	19.1	VF4S-212	VS-212	2611 11614	3 3/8 85.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 9/32 32.5	1 7/32 31.0	1 3/16 30.2	2 1/2 63.5	1/2 12.7	2 50.8	3/8	1.4 .64
7/8	22.2	VF4S-214	VS-214	2801 12459	3 3/4 95.3	2 3/4 69.9	61/64 24.2	1/2 12.7	1 7/16 36.5	1 3/8 34.9	1 3/8 34.9	2 3/4 69.9	9/16 14.3	2 1/2 63.5	7/16	1.6 .73
15/16	23.8	VF4S-215	VS-215													
1	25.4	VF4S-216	VS-216													
1 1/8	28.6	VF4S-218	VS-218	4381 19487	4 1/4 108.0	3 1/4 82.6	1 5/64 27.4	17/32 13.5	1 9/16 39.7	1 1/2 38.1	1 19/32 40.5	3 1/8 79.4	5/8 15.9	2 7/8 73.0	7/16	2.6 1.18
1 3/16	30.2	VF4S-219	VS-219													
1 1/4	31.8	VF4S-220S	VS-220S													
1 1/4	31.8	VF4S-220	VS-220	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 3/4 44.5	1 11/16 42.9	1 55/64 47.2	3 5/8 92.1	11/16 17.5	3 1/4 82.6	1/2	3.6 1.63
1 3/8	34.9	VF4S-222	VS-222													
1 7/16	36.5	VF4S-223	VS-223													
1 1/2	38.1	VF4S-224	VS-224	7340 32648	5 1/8 130.2	4 101.6	1 19/64 32.9	5/8 15.9	2 1/64 51.2	1 15/16 49.2	2 1/16 52.4	4 1/8 104.8	3/4 19.1	3 1/2 88.9	1/2	4.9 2.22
1 5/8	41.3	VF4S-226	VS-226	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	2 3/64 52.0	1 15/16 49.2	2 19/64 58.3	4 3/8 111.1	3/4 19.1	3 7/8 98.4	9/16	5.2 2.36
1 11/16	42.9	VF4S-227	VS-227													
1 3/4	44.5	VF4S-228	VS-228													
1 15/16	49.2	VF4S-231	VS-231	7889 35090	5 5/8 142.9	4 3/8 111.1	1 23/64 34.5	5/8 15.9	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	4 9/16 115.9	3/4 19.1	4 101.6	9/16	5.6 2.54
2	50.8	VF4S-232S	VS-232S													
2	50.8	VF4S-232	VS-232	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	2 23/32 69.1	5 1/4 133.4	7/8 22.2	4 1/4 108.0	5/8	7.9 3.58
2 3/16	55.6	VF4S-235	VS-235													
2 1/4	57.2	VF4S-236	VS-236	11789 52437	6 7/8 174.6	5 5/8 142.9	1 11/16 42.9	13/16 20.6	2 11/16 68.3	2 3/16 55.6	2 63/64 75.8	5 7/16 138.1	1 25.4	5 127.0	5/8	9.6 4.35
2 7/16	61.9	VF4S-239	VS-239													

* To obtain bolt circle multiply B x 1.414".

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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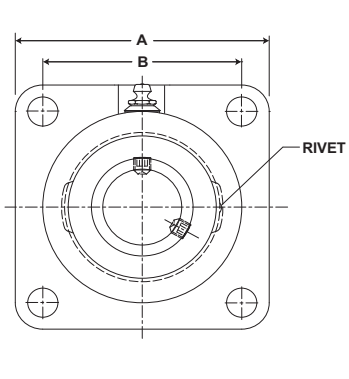
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4S 200 Series Standard Duty Four Bolt Flanges - Setscrew Locking - Metric

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. kg/lb
				A	B*	D	G	H	J	L	M	N	T Cored		
20	VF4S-20 MM	VS-20 MM	11614 2611	85.7 3 3/8	63.5 2 1/2	22.6 57/64	11.1 7/16	32.5 1 9/32	31.0 1 7/32	30.2 1 3/16	63.5 2 1/2	12.7 1/2	50.8 2	M10	.64 1.4
25	VF4S-25 MM	VS-25 MM	12459 2801	95.3 3 3/4	69.9 2 3/4	24.2 61/64	12.7 1/2	36.5 1 7/16	34.9 1 3/8	34.9 1 3/8	69.9 2 3/4	14.3 9/16	63.5 2 1/2	M10	.73 1.6
30	VF4S-30 MM	VS-30 MM	19487 4381	108.0 4 1/4	82.6 3 1/4	27.4 1 5/64	13.5 17/32	39.7 1 9/16	38.1 1 1/2	40.5 1 19/32	79.4 3 1/8	15.9 5/8	73.0 2 7/8	M10	1.18 2.6
35	VF4S-35 MM	VS-35 MM	25718 5782	117.5 4 5/8	92.1 3 5/8	29.4 1 5/32	15.1 19/32	44.5 1 3/4	42.9 1 11/16	47.2 1 55/64	92.1 3 5/8	17.5 11/16	82.6 3.25	M12	1.63 3.6
40	VF4S-40 MM	VS-40 MM	32648 7340	130.2 5 1/8	101.6 4	32.9 1 19/64	15.9 5/8	51.2 2 1/64	49.2 1 15/16	52.4 2 1/16	104.8 4 1/8	19.1 3/4	88.9 3 1/2	M12	2.22 4.9
45	VF4S-45 MM	VS-45 MM	35144 7901	136.5 5 3/8	104.8 4 1/8	33.7 1 21/64	15.9 5/8	52.0 2 3/64	49.2 1 15/16	58.3 2 19/64	111.1 4 3/8	19.1 3/4	98.4 3 7/8	M14	2.36 5.2
50	VF4S-50 MM	VS-50 MM	35090 7889	142.9 5 5/8	111.1 4 3/8	34.5 1 23/64	15.9 5/8	54.8 2 5/32	51.6 2 1/32	62.7 2 15/32	115.9 4 9/16	19.1 3/4	101.6 4	M16	2.54 5.6
55	VF4S-55 MM	VS-55 MM	43377 9752	161.9 6 3/8	130.2 5 1/8	38.5 1 33/64	20.6 13/16	58.7 2 5/16	55.6 2 3/16	69.1 2 23/32	133.4 5 1/4	22.2 7/8	108.0 4 1/4	M16	3.58 7.9
60	VF4S-60 MM	VS-60 MM	52437 11789	174.6 6 7/8	142.9 5 5/8	42.9 1 11/16	20.6 13/16	68.3 2 11/16	55.6 2 3/16	75.8 2 63/64	138.1 5 7/16	25.4 1	127.0 5	M16	4.35 9.6

* To obtain bolt circle multiply B x 1.414".

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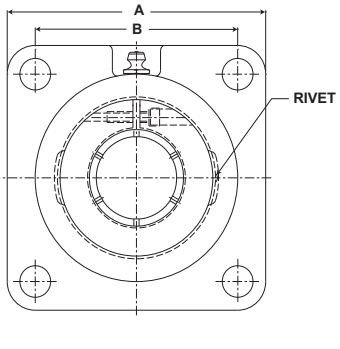
Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4B 200 Series Standard Duty Four Bolt Flanges - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	D	G	H	J	L	M	N	T Cored		
3/4	VF4B-212	VB-212	2611 11614	3 3/8 85.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 11/32 34.1	1 9/32 32.5	1 3/4 44.5	2 1/2 63.5	1/2 12.7	2 50.8	3/8	1.5 .68
7/8 15/16 1	VF4B-214 VF4B-215 VF4B-216	VB-214 VB-215 VB-216	2801 12459	3 3/4 95.3	2 3/4 69.9	61/64 24.2	1/2 12.7	1 1/2 38.1	1 7/16 36.5	1 15/16 49.2	2 3/4 69.9	9/16 14.3	2 1/2 63.5	7/16	1.8 .82
1 1/8 1 3/16 1 1/4	VF4B-218 VF4B-219 VF4B-220S	VB-218 VB-219 VB-220S	4381 19487	4 1/4 108.0	3 1/4 82.6	1 5/64 27.4	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 3/16 55.6	3 1/8 79.4	5/8 15.9	2 7/8 73.0	7/16	2.8 1.27
1 1/4	VF4B-220	VB-220	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	3 5/8 92.1	11/16 17.5	3 1/4 82.6	1/2	3.9 1.77
1 3/8 1 7/16	VF4B-222 VF4B-223	VB-222 VB-223	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 13/16 46.0	1 3/4 44.5	2 9/16 65.1	3 5/8 92.1	11/16 17.5	3 1/4 82.6	1/2	3.9 1.77
1 1/2	VF4B-224	VB-224	7340 32648	5 1/8 130.2	4 101.6	1 19/64 32.9	5/8 15.9	2 5/64 52.8	2 50.8	2 11/16 68.3	4 1/8 104.8	3/4 19.1	3 1/2 88.9	1/2	5.2 2.36
1 5/8	VF4B-226	VB-226	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	2 7/64 53.6	2 50.8	2 13/16 71.4	4 3/8 111.1	3/4 19.1	3 7/8 98.4	9/16	5.5 2.49
1 11/16 1 3/4	VF4B-227 VF4B-228	VB-227 VB-228	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	2 7/64 53.6	2 50.8	2 15/16 74.6	4 3/8 111.1	3/4 19.1	3 7/8 98.4	9/16	5.5 2.49
1 15/16 2	VF4B-231 VF4B-232S	VB-231 VB-232S	7889 35090	5 5/8 142.9	4 3/8 111.1	1 23/64 34.5	5/8 15.9	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	4 9/16 115.9	3/4 19.1	4 101.6	9/16	6.2 2.81
2	VF4B-232	VB-232	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 1/2 88.9	5 1/4 133.4	7/8 22.2	4 1/4 108.0	5/8	8.5 3.86
2 3/16	VF4B-235	VB-235	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 5/8 92.1	5 1/4 133.4	7/8 22.2	4 1/4 108.0	5/8	8.5 3.86
2 1/4	VF4B-236	VB-236	11789 52437	6 7/8 174.6	5 5/8 142.9	1 11/16 42.9	13/16 20.6	2 3/4 69.9	2 5/8 66.7	4 1/16 103.2	5 7/16 138.1	1 25.4	5 127.0	5/8	10.8 4.90
2 7/16	VF4B-239	VB-239	11789 52437	6 7/8 174.6	5 5/8 142.9	1 11/16 42.9	13/16 20.6	2 3/4 69.9	2 5/8 66.7	4 1/8 104.8	5 7/16 138.1	1 25.4	5 127.0	5/8	10.8 4.90

* To obtain bolt circle multiply B x 1.414".

For Replacement Lock Collar see page G-214.

Metric dimensions for reference only.

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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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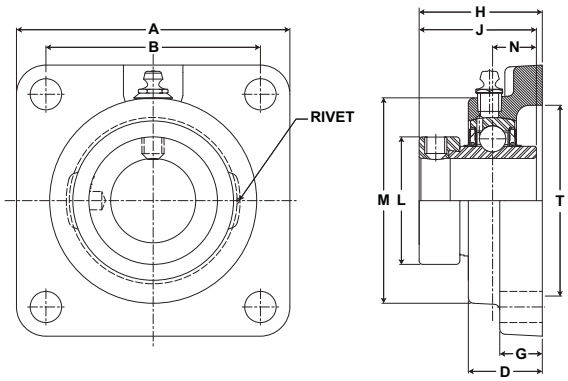
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4E 200 Series Standard Duty Four Bolt Flanges - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	G	D	H	J	L	M	N	T Cored		
1/2	VF4E-208	VE-208	2108	3	2 1/8	1/2	7/8	1 33/64	1 15/32	1 3/16	2 1/8	35/64	1 3/4	3/8	1.2
5/8	VF4E-210	VE-210	9377	76.2	54.0	12.7	22.2	38.5	37.3	30.2	54.0	13.9	44.5		.54
3/4	VF4E-212	VE-212	2611 11614	3 3/8 85.7	2 1/2 63.5	1/2 12.7	1 5/64 27.4	1 51/64 45.6	1 23/32 43.7	1 5/16 33.3	2 1/2 63.5	43/64 17.1	2 50.8	3/8	1.5 .68
7/8	VF4E-214	VE-214	2801 12459	3 3/4 95.3	2 3/4 69.9	9/16 14.3	1 7/64 28.2	1 27/32 46.8	1 3/4 44.5	1 1/2 38.1	2 3/4 69.9	11/16 17.5	2 1/2 63.5	7/16	2.0 .91
15/16	VF4E-215	VE-215													
1	VF4E-216	VE-216													
1 1/8	VF4E-218	VE-218	4381 19487	4 1/4 108.0	3 1/4 82.6	5/8 15.9	1 13/64 30.6	2 50.8	1 29/32 48.4	1 3/4 44.5	3 1/8 79.4	23/32 18.3	2 7/8 73.0	7/16	3.0 1.36
1 3/16	VF4E-219	VE-219													
1 1/4	VF4E-220S	VE-220S													
1 1/4	VF4E-220	VE-220	5782 25718	4 5/8 117.5	3 5/8 92.1	21/32 16.7	1 1/4 31.8	2 1/8 54.0	2 1/64 51.2	2 3/16 55.6	3 5/8 92.1	3/4 19.1	3 1/4 82.6	1/2	3.8 1.72
1 3/8	VF4E-222	VE-222													
1 7/16	VF4E-223	VE-223													
1 1/2	VF4E-224	VE-224	7340 32648	5 1/8 130.2	4 101.6	11/16 17.5	1 13/32 35.7	2 5/16 58.7	2 7/32 56.4	2 3/8 60.3	4 1/8 104.8	27/32 21.4	3 1/2 88.9	1/2	5.1 2.31
1 5/8	VF4E-226	VE-226	7901 35144	5 3/8 136.5	4 1/8 104.8	11/16 17.5	1 13/32 35.7	2 5/16 58.7	2 7/32 56.4	2 1/2 63.5	4 3/8 111.1	27/32 21.4	3 7/8 98.4	9/16	5.4 2.45
1 11/16	VF4E-227	VE-227													
1 3/4	VF4E-228	VE-228													
1 15/16	VF4E-231	VE-231	7889 35090	5 5/8 142.9	4 3/8 111.1	23/32 18.3	1 39/64 40.9	2 5/8 66.7	2 15/32 62.7	2 3/4 69.9	4 9/16 115.9	31/32 24.6	4 101.6	9/16	5.9 2.68
2	VF4E-232	VE-232	9752 43377	6 3/8 161.9	5 1/8 130.2	25/32 19.8	1 49/64 44.8	2 31/32 75.4	2 13/16 71.4	3 76.2	5 1/4 133.4	1 3/32 27.8	4 1/4 108.0	5/8	8.2 3.72
2 3/16	VF4E-235	VE-235													
2 1/4	VF4E-236	VE-236	11789 52437	6 7/8 174.6	5 5/8 142.9	13/16 20.6	1 31/32 50.0	3 1/4 82.6	3 1/16 77.8	3 3/8 85.7	5 7/16 138.1	1 7/32 31.0	4 7/8 123.8	5/8	9.9 4.49
2 7/16	VF4E-239	VE-239													

* To obtain bolt circle multiply B x 1.414".

For Replacement Lock Collar see page G-214.

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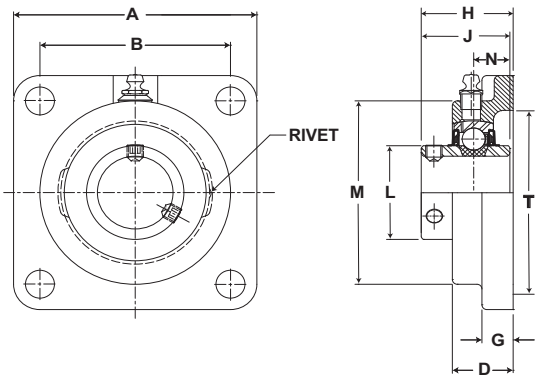
Browning

Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4S 300 Series Medium Duty Four Bolt Flanges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	D	G	H	J	L	M	N	T Cored		
1	VF4S-316	VS-316	4381 19487	4 1/4 108.0	3 1/4 82.6	1 5/64 27.4	17/32 13.5	1 9/16 39.7	1 1/2 38.1	1 19/32 40.5	3 1/8 79.4	5/8 15.9	2 7/8 73.0	7/16	2.9 1.32
1 3/16	VF4S-319	VS-319	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 3/4 44.5	1 11/16 42.9	1 55/64 47.2	3 5/8 92.1	11/16 17.5	3 1/4 82.6	1/2	2.9 1.32
1 7/16	VF4S-323	VS-323	7340 32648	5 1/8 130.2	4 101.6	1 19/64 32.9	5/8 15.9	2 1/64 51.2	1 15/16 49.2	2 1/16 52.4	4 1/8 104.8	3/4 19.1	3 1/2 88.9	1/2	5.0 2.27
1 1/2	VF4S-324	VS-324	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	2 3/64 52.0	1 15/16 49.2	2 19/64 58.3	4 3/8 111.1	3/4 19.1	3 7/8 98.4	9/16	5.0 2.27
1 11/16 1 3/4	VF4S-327 VF4S-328	VS-327 VS-328	7889 35090	5 5/8 142.9	4 3/8 111.1	1 23/64 34.5	5/8 15.9	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	4 9/16 115.9	3/4 19.1	4 101.6	9/16	5.8 2.63
1 15/16 2	VF4S-331 VF4S-332	VS-331 VS-232S	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	2 23/32 69.1	5 1/4 133.4	7/8 22.2	4 1/4 108.0	5/8	8.0 3.63
2 3/16 2 1/4	VF4S-335 VF4S-336	VS-335 VS-236	11789 52437	6 7/8 174.6	5 5/8 142.9	1 11/16 42.9	13/16 20.6	2 11/16 68.3	2 9/16 65.1	2 63/64 75.8	5 7/16 138.1	1 25.4	5 127.0	5/8	9.9 4.49

* To obtain bolt circle multiply B x 1.414".

Metric dimensions for reference only.

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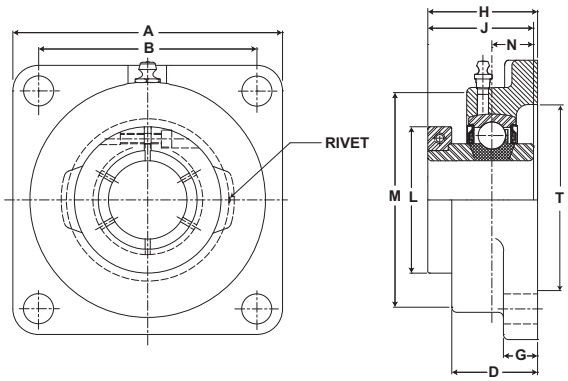
Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF4B 300 Series Medium Duty Four Bolt Flanges - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B*	D	G	H	J	L	M	N	T Cored		
1	VF4B-316	VB-316	4381 19487	4 1/4 108.0	3 1/4 82.6	1 5/64 27.4	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 1/16 52.4	3 1/8 79.4	5/8 15.9	2 7/8 73.0	7/16	3.0 1.36
1 3/16 1 1/4	VF4B-319 VF4B-320	VB-319 VB-220	5782 25718	4 5/8 117.5	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	3 5/8 92.1	11/16 17.5	3 1/4 82.6	1/2	3.0 1.36
1 7/16	VF4B-323	VB-323	7340 32648	5 1/8 130.2	4 101.6	1 19/64 32.9	5/8 15.9	2 5/64 52.8	2 50.8	2 11/16 68.3	4 1/8 104.8	3/4 19.1	3 1/2 88.9	1/2	5.1 2.31
1 8/16	VF4B-324	VB-324	7901 35144	5 3/8 136.5	4 1/8 104.8	1 21/64 33.7	5/8 15.9	2 7/64 53.6	2 50.8	2 13/16 71.4	4 3/8 111.1	3/4 19.1	3 7/8 98.4	9/16	5.1 2.31
1 11/16 1 3/4	VF4B-327 VF4B-328	VB-327 VB-328	7889 35090	5 5/8 142.9	4 3/8 111.1	1 23/64 34.5	5/8 15.9	2 7/32 56.4	2 3/32 53.2	7 3/4 196.9	4 9/16 115.9	3/4 19.1	4 101.6	9/16	5.9 2.68
1 15/16 2	VF4B-331 VF4B-332	VB-331 VB-232S	9752 43377	6 3/8 161.9	5 1/8 130.2	1 33/64 38.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 1/2 88.9	5 1/4 133.4	7/8 22.2	4 1/4 108.0	5/8	8.2 3.72
2 3/16	VF4B-335	VB-335	11789 52437	6 7/8 174.6	5 5/8 142.9	1 11/16 42.9	13/16 20.6	2 3/4 69.9	2 5/8 66.7	4 1/16 103.2	5 7/16 138.1	1 25.4	5 127.0	5/8	10.2 4.63

* To obtain bolt circle multiply B x 1.414".

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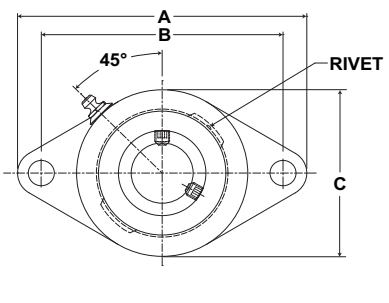
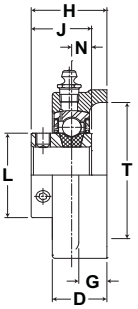
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F





VF2S 100 Series Intermediate Duty Two Bolt Flanges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Cored		
1/2 5/8	VF2S-108 VF2S-110	VS-108 VS-110	2108 9377	3 7/8 98.4	3 76.2	2 1/8 54.0	23/32 18.3	3/8 9.5	1 5/64 27.4	15/16 23.8	31/32 24.6	5/16 7.9	1 3/4 44.5	3/8	.8 .36
3/4	VF2S-112	VS-112	2611 11614	4 13/32 111.9	3 17/32 89.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 9/32 32.5	1 1/16 27.0	1 3/16 30.2	11/32 8.7	2 50.8	3/8	.9 .41
7/8 15/16 1	VF2S-114 VF2S-115 VF2S-116	VS-114 VS-115 VS-116	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	61/64 24.2	1/2 12.7	1 25/64 35.3	1 7/64 28.2	1 3/8 34.9	11/32 8.7	2 5/16 58.7	7/16	1.0 .45
1 1/8 1 3/16 1 1/4	VF2S-118 VF2S-119 VF2S-120S	VS-118 VS-119 VS-120S	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 5/64 27.4	17/32 13.5	1 15/32 37.3	1 5/32 29.4	1 19/32 40.5	3/8 9.5	2 3/4 69.9	7/16	1.6 .73
1 1/4 1 3/8 1 7/16	VF2S-120 VF2S-122 VF2S-123	VS-120 VS-122 VS-123	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 39/64 40.9	1 9/32 32.5	1 55/64 47.2	27/64 10.7	3 3/16 81.0	1/2	2.6 1.18
1 1/2	VF2S-124	VS-124	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 19/64 32.9	5/8 15.9	1 49/64 44.8	1 27/64 36.1	2 1/16 52.4	31/64 12.3	3 1/2 88.9	1/2	3.4 1.54
1 11/16 1 3/4	VF2S-127 VF2S-128	VS-127 VS-128	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	1 13/16 46.0	1 7/16 36.5	2 19/64 58.3	31/64 12.3	3 3/4 95.3	9/16	3.5 1.59
1 15/16 2	VF2S-131 VF2S-132S	VS-131 VS-132S	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 23/64 34.5	5/8 15.9	1 59/64 48.8	1 35/64 39.3	2 15/32 62.7	1/2 12.7	4 101.6	9/16	4.4 2.00
2 2 3/16	VF2S-132 VF2S-135	VS-132 VS-135	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 7/64 53.6	1 21/32 42.1	2 23/32 69.1	35/64 13.9	4 1/4 108.0	5/8	5.7 2.59

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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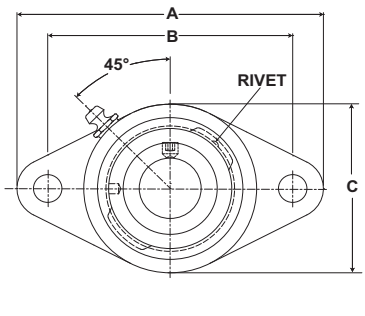
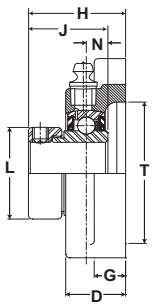
Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact
Temperature: -20° to 200°F





VF2E 100 Series Intermediate Duty Two Bolt Flanges - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B	C	D	G	H	J	L	N	T Cored	Bolt Size	Unit Wt. lb/kg
1/2 5/8	VF2E-108 VF2E-110	VE-108 VE-110	2108 9377	3 7/8 98.4	3 76.2	2 1/8 54.0	23/32 18.3	3/8 9.5	1 21/64 33.7	1 3/16 30.2	1 3/16 30.2	5/16 7.9	1 3/4 44.5	3/8	1.0 .45
3/4	VF2E-112	VE-112	2611 11614	4 13/32 111.9	3 17/32 89.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 31/64 37.7	1 17/64 32.1	1 5/16 33.3	11/32 8.7	2 50.8	3/8	1.1 .50
7/8 15/16 1	VF2E-114 VF2E-115 VF2E-116	VE-114 VE-115 VE-116	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	61/64 24.2	1/2 12.7	1 35/64 39.3	1 17/64 32.1	1 1/2 38.1	11/32 8.7	2 5/16 58.7	7/16	1.5 .68
1 1/8 1 3/16 1 1/4	VF2E-118 VF2E-119 VF2E-120S	VE-118 VE-119 VE-120S	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 5/64 27.4	17/32 13.5	1 47/64 44.1	1 27/64 36.1	1 3/4 44.5	3/8 9.5	2 3/4 69.9	7/16	1.9 .86
1 1/4 1 3/8 1 7/16	VF2E-120 VF2E-122 VF2E-123	VE-120 VE-122 VE-123	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 29/32 48.4	1 37/64 40.1	2 3/16 55.6	27/64 10.7	3 3/16 81.0	1/2	2.8 1.27
1 1/2	VF2E-124	VE-124	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 19/64 32.9	5/8 15.9	2 7/64 53.6	1 49/64 44.8	2 3/8 60.3	31/64 12.3	3 1/2 88.9	1/2	3.6 1.63
1 11/16 1 3/4	VF2E-127 VF2E-128	VE-127 VE-128	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	2 5/32 54.8	1 49/64 44.8	2 1/2 63.5	31/64 12.3	3 3/4 95.3	9/16	3.8 1.72
1 15/16 2	VF2E-131 VF2E-132S	VE-131 VE-132S	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 23/64 34.5	5/8 15.9	2 5/32 54.8	1 25/32 45.2	2 3/4 69.9	1/2 12.7	4 101.6	9/16	4.5 2.04
2 2 3/16	VF2E-132 VF2E-135	VE-132 VE-135	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 7/16 61.9	1 63/64 50.4	3 76.2	35/64 13.9	4 1/4 108.0	5/8	6.1 2.77

For Replacement Lock Collar see page G-214.

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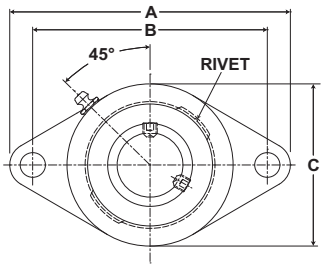
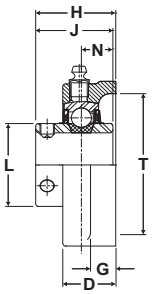
Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F





VF2S 200 Series Standard Duty Two Bolt Flanges - Setscrew Locking - Inch

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Cored		
1/2 5/8	VF2S-208 VF2S-210	VS-208 VS-210	2108 9377	3 7/8 98.4	3 76.2	2 1/8 54.0	23/32 18.3	3/8 9.5	1 5/64 27.4	1 1/32 26.2	31/32 24.6	13/32 10.3	1 3/4 44.5	3/8	.9 .41
3/4	VF2S-212	VS-212	2611 11614	4 13/32 111.9	3 17/32 89.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 9/32 32.5	1 7/32 31.0	1 3/16 30.2	1/2 12.7	2 50.8	3/8	1.0 .45
7/8 15/16 1	VF2S-214 VF2S-215 VF2S-216	VS-214 VS-215 VS-216	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	61/64 24.2	1/2 12.7	1 7/16 36.5	1 3/8 34.9	1 3/8 34.9	9/16 14.3	2 5/16 58.7	7/16	1.1 .50
1 1/8 1 3/16 1 1/4	VF2S-218 VF2S-219 VF2S-220S	VS-218 VS-219 VS-220S	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 5/64 27.4	17/32 13.5	1 9/16 39.7	1 1/2 38.1	1 19/32 40.5	5/8 15.9	2 3/4 69.9	7/16	1.7 .77
1 1/4 1 3/8 1 7/16	VF2S-220 VF2S-222 VF2S-223	VS-220 VS-222 VS-223	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 3/4 44.5	1 11/16 42.9	1 55/64 47.2	11/16 17.5	3 3/16 81.0	1/2	2.7 1.22
1 1/2	VF2S-224	VS-224	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 19/64 32.9	5/8 15.9	2 1/64 51.2	1 15/16 49.2	2 1/16 52.4	3/4 19.1	3 1/2 88.9	1/2	3.6 1.63
1 5/8 1 11/16 1 3/4	VF2S-226 VF2S-227 VF2S-228	VS-226 VS-227 VS-228	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	2 3/64 52.0	1 15/16 49.2	2 19/64 58.3	3/4 19.1	3 3/4 95.3	9/16	3.7 1.68
1 15/16 2	VF2S-231 VF2S-232S	VS-231 VS-232S	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 23/64 34.5	5/8 15.9	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	3/4 19.1	4 101.6	9/16	4.6 2.09
2 2 3/16	VF2S-232 VF2S-235	VS-232 VS-235	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	2 23/32 69.1	7/8 22.2	4 1/4 108.0	5/8	5.9 2.68
2 1/4 2 7/16	VF2S-236 VF2S-239	VS-236 VS-239	11789 52437	9 1/4 235.0	7 15/16 201.6	5 7/16 138.1	1 11/16 42.9	13/16 20.6	2 11/16 68.3	2 9/16 65.1	2 63/64 75.8	1 25.4	4 3/4 120.7	5/8	9.6 4.35

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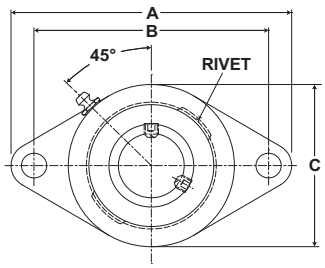
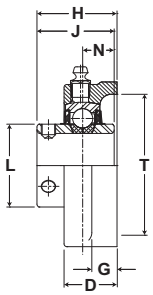
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F





VF2S 200 Series Standard Duty Two Bolt Flanges - Setscrew Locking - Metric

Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating N/lb	Dimensions mm / inch										Bolt Size	Unit Wt. kg/lb
				A	B	C	D	G	H	J	L	N	T Cored		
20	VF2S-20MM	VS-20MM	11614 2611	111.9 4 13/32	90.0 3 17/32	63.5 2 1/2	22.6 57/64	11.1 7/16	32.5 1 9/32	31.0 1 7/32	30.2 1 3/16	12.7 1/2	50.8 2	M10	.45 1.0
25	VF2S-25MM	VS-25MM	12459 2801	123.8 4 7/8	99.0 3 79/88	69.9 2 3/4	24.2 61/64	12.7 1/2	36.5 1 7/16	34.9 1 3/8	34.9 1 3/8	14.3 9/16	58.7 2 5/16	M10	.50 1.1
30	VF2S-30MM	VS-30MM	19487 4381	141.3 5 9/16	116.5 4 44/75	79.4 3 1/8	27.4 1 5/64	13.5 17/32	39.7 1 9/16	38.1 1 1/2	40.5 1 19/32	15.9 5/8	69.9 2 3/4	M10	.77 1.7
35	VF2S-35MM	VS-35MM	25718 5782	155.6 6 1/8	130.0 5 11/93	92.1 3 5/8	29.4 1 5/32	15.1 19/32	44.5 1 3/4	42.9 1 11/16	47.2 1 55/64	17.5 11/16	81.0 3.1875	M12	1.22 2.7
40	VF2S-40MM	VS-40MM	32648 7340	171.5 6 3/4	143.5 5 63/97	104.8 4 1/8	32.9 1 19/64	15.9 5/8	51.2 2 1/64	49.2 1 15/16	52.4 2 1/16	19.1 3/4	88.9 3 1/2	M12	1.63 3.6
45	VF2S-45MM	VS-45MM	35144 7901	179.4 7 1/16	148.5 5 11/13	111.1 4 3/8	33.7 1 21/64	15.9 5/8	52.0 2 3/64	49.2 1 15/16	57.2 2 1/4	19.1 3/4	95.3 3 3/4	M14	1.68 3.7
50	VF2S-50MM	VS-50MM	35090 7889	188.9 7 7/16	157.0 6 17/94	115.9 4 9/16	34.5 1 23/64	15.9 5/8	54.8 2 5/32	51.6 2 1/32	62.7 2 15/32	19.1 3/4	101.6 4	M16	2.09 4.6
55	VF2S-55MM	VS-55MM	43377 9752	215.9 8 1/2	184.0 7 21/86	133.4 5 1/4	38.5 1 33/64	20.6 13/16	58.7 2 5/16	55.6 2 3/16	69.1 2 23/32	22.2 7/8	108.0 4 1/4	M16	2.68 5.9
60	VF2S-60MM	VS-60MM	52437 11789	235.0 9 1/4	202.0 7 81/85	138.1 5 7/16	42.9 1 11/16	20.6 13/16	68.3 2 11/16	65.1 2 9/16	75.8 2 63/64	25.4 1	120.7 4.75	M16	4.35 9.6

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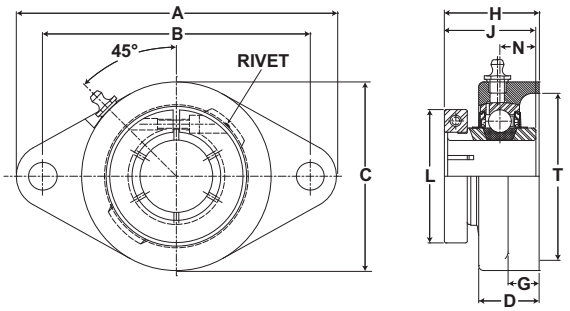
Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF2B 200 Series Standard Duty Two Bolt Flanges - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Cored		
3/4	VF2B-212	VB-212	2611 11614	4 13/32 111.9	3 17/32 89.7	2 1/2 63.5	57/64 22.6	7/16 11.1	1 11/32 34.1	1 9/32 32.5	1 3/4 44.5	1/2 12.7	2 50.8	3/8	1.1 .50
7/8 15/16 1	VF2B-214 VF2B-215 VF2B-216	VB-214 VB-215 VB-216	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	61/64 24.2	1/2 12.7	1 1/2 38.1	1 7/16 36.5	1 15/16 49.2	9/16 14.3	2 5/16 58.7	7/16	1.3 .59
1 1/8 1 3/16 1 1/4	VF2B-218 VF2B-219 VF2B-220S	VB-218 VB-219 VB-220S	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 5/64 27.4	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 3/16 55.6	5/8 15.9	2 3/4 69.9	7/16	2.0 .91
1 1/4	VF2B-220	VB-220	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	11/16 17.5	3 3/16 81.0	1/2	3.0 1.36
1 3/8 1 7/16	VF2B-222 VF2B-223	VB-222 VB-223	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 13/16 46.0	1 3/4 44.5	2 9/16 65.1	11/16 17.5	3 3/16 81.0	1/2	3.0 1.36
1 1/2	VF2B-224	VB-224	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 19/64 32.9	5/8 15.9	2 5/64 52.8	2 50.8	2 11/16 68.3	3/4 19.1	3 1/2 88.9	1/2	3.3 1.50
1 5/8	VF2B-226	VB-226	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	2 7/64 53.6	2 50.8	2 13/16 71.4	3/4 19.1	3 3/4 95.3	9/16	4.0 1.81
1 11/16 1 3/4	VF2B-227 VF2B-228	VB-227 VB-228	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	2 7/64 53.6	2 50.8	2 15/16 74.6	3/4 19.1	3 3/4 95.3	9/16	4.0 1.81
1 15/16 2	VF2B-231 VF2B-232S	VB-231 VB-232S	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 23/64 34.5	5/8 15.9	2 7/32 56.4	2 3/32 53.2	3 3/8 85.7	3/4 19.1	4 101.6	9/16	4.2 1.91
2	VF2B-232	VB-232	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 1/2 88.9	7/8 22.2	4 1/4 108.0	5/8	7.1 3.22
2 3/16	VF2B-235	VB-235	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 5/8 92.1	7/8 22.2	4 1/4 108.0	5/8	7.1 3.22

For Replacement Lock Collar see page G-214.

Metric dimensions for reference only.
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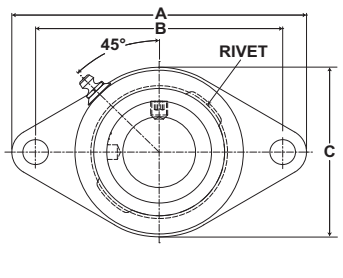
Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF2E 200 Series Standard Duty Two Bolt Flanges - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Cored		
1/2	VF2E-208	VE-208	2108	3 7/8	3	2 1/8	1 1/32	1/2	1 43/64	1 15/32	1 3/16	35/64	1 3/4	3/8	1.0
5/8	VF2E-210	VE-210	9377	98.4	76.2	54.0	26.2	12.7	42.5	37.3	30.2	13.9	44.5		.45
3/4	VF2E-212	VE-212	2611 11614	4 13/32 111.9	3 17/32 89.7	2 1/2 63.5	1 5/64 27.4	1/2 12.7	1 51/64 45.6	1 23/32 43.7	1 5/16 33.3	43/64 17.1	2 50.8	3/8	1.1 .50
7/8	VF2E-214	VE-214	2801 12459	4 7/8 123.8	3 57/64 98.8	2 3/4 69.9	1 5/64 27.4	17/32 13.5	1 13/16 46.0	1 3/4 44.5	1 1/2 38.1	11/16 17.5	2 5/16 58.7	7/16	1.5 .68
15/16	VF2E-215	VE-215													
1	VF2E-216	VE-216													
1 1/8	VF2E-218	VE-218	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 13/64 30.6	17/32 13.5	2 50.8	1 29/32 48.4	1 3/4 44.5	23/32 18.3	2 3/4 69.9	7/16	2.1 .95
1 3/16	VF2E-219	VE-219													
1 1/4	VF2E-220S	VE-220S													
1 1/4	VF2E-220	VE-220	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 1/4 31.8	5/8 15.9	2 1/8 54.0	2 1/64 51.2	2 3/16 55.6	3/4 19.1	3 3/16 81.0	1/2	2.9 1.32
1 3/8	VF2E-222	VE-222													
1 7/16	VF2E-223	VE-223													
1 1/2	VF2E-224	VE-224	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 13/32 35.7	5/8 15.9	2 5/16 58.7	2 7/32 56.4	2 3/8 60.3	27/32 21.4	3 1/2 88.9	1/2	3.8 1.72
1 5/8	VF2E-226	VE-226	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 13/32 35.7	5/8 15.9	2 5/16 58.7	2 7/32 56.4	2 1/2 63.5	27/32 21.4	3 3/4 95.3	9/16	3.9 1.77
1 11/16	VF2E-227	VE-227													
1 3/4	VF2E-228	VE-228													
1 15/16	VF2E-231	VE-231	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 39/64 40.9	11/16 17.5	2 5/8 66.7	2 15/32 62.7	2 3/4 69.9	31/32 24.6	4 101.6	9/16	4.8 2.18
2	VF2E-232	VE-232	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 49/64 44.8	13/16 20.6	2 31/32 75.4	2 13/16 71.4	3 76.2	1 3/32 27.8	4 1/4 108.0	5/8	6.2 2.81
2 7/16	VF2E-235	VE-235													
2 1/4	VF2E-236	VE-236	11789 52437	9 1/4 235.0	7 15/16 201.6	5 7/16 138.1	1 31/32 50.0	13/16 20.6	3 1/4 82.6	3 1/16 77.8	3 3/8 85.7	1 7/32 31.0	4 3/4 120.7	5/8	9.6 4.35
2 7/16	VF2E-239	VE-239													

For Replacement Lock Collar see page G-214.

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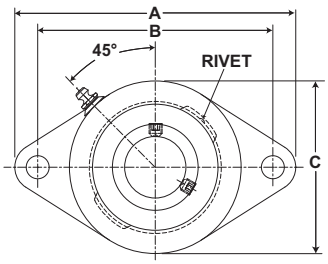
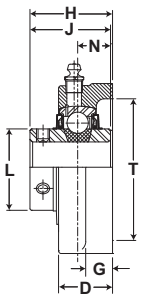
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F





VF2S 300 Series Medium Duty Two Bolt Flanges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Cored		
1	VF2S-316	VS-316	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 5/64 27.4	17/32 13.5	1 9/16 39.7	1 1/2 38.1	1 19/32 40.5	5/8 15.9	2 3/4 69.9	7/16	2.7 1.22
1 3/16 1 1/4	VF2S-319 VF2S-320	VS-319 VS-220	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 3/4 44.5	1 11/16 42.9	1 55/64 47.2	11/16 17.5	3 3/16 81.0	1/2	2.7 1.22
1 7/16	VF2S-323	VS-323	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 19/64 32.9	5/8 15.9	2 1/64 51.2	1 15/16 49.2	2 1/16 52.4	3/4 19.1	3 1/2 88.9	1/2	4.8 2.18
1 1/2	VF2S-324	VS-324	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	2 3/64 52.0	1 15/16 49.2	2 19/64 58.3	3/4 19.1	3 3/4 95.3	9/16	4.8 2.18
1 11/16 1 3/4	VF2S-327 VF2S-328	VS-327 VS-328	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 23/64 34.5	5/8 15.9	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	3/4 19.1	4 101.6	9/16	7.6 3.45
1 15/16 2	VF2S-331 VF2S-332	VS-331 VS-232S	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 5/16 58.7	2 3/16 55.6	2 23/32 69.1	7/8 22.2	4 1/4 108.0	5/8	9.6 4.35

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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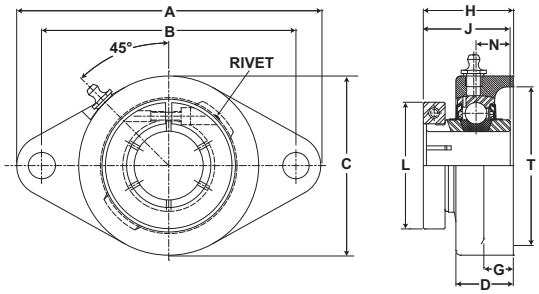
Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VF2B 300 Series Medium Duty Two Bolt Flanges - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	G	H	J	L	N	T Cored		
1	VF2B-316	VB-316	4381 19487	5 9/16 141.3	4 19/32 116.7	3 1/8 79.4	1 5/64 27.4	17/32 13.5	1 5/8 41.3	1 9/16 39.7	2 1/16 2.1	5/8 15.9	2 3/4 69.9	7/16	2.0 .91
1 3/16 1 1/4	VF2B-319 VF2B-320	VB-319 VB-220	5782 25718	6 1/8 155.6	5 1/8 130.2	3 5/8 92.1	1 5/32 29.4	19/32 15.1	1 13/16 46.0	1 3/4 44.5	2 7/16 61.9	11/16 17.5	3 3/16 81.0	1/2	3.0 1.36
1 7/16	VF2B-323	VB-323	7340 32648	6 3/4 171.5	5 21/32 143.7	4 1/8 104.8	1 19/64 32.9	5/8 15.9	2 5/64 52.8	2 50.8	2 11/16 68.3	3/4 19.1	3 1/2 88.9	1/2	3.3 1.50
1 1/2	VF2B-324	VB-324	7901 35144	7 1/16 179.4	5 27/32 148.4	4 3/8 111.1	1 21/64 33.7	5/8 15.9	2 7/64 53.6	2 50.8	2 13/16 71.4	3/4 19.1	3 3/4 95.3	9/16	4.0 1.81
1 11/16 1 3/4	VF2B-327 VF2B-328	VB-327 VB-328	7889 35090	7 7/16 188.9	6 3/16 157.2	4 9/16 115.9	1 23/64 34.5	5/8 15.9	2 7/32 56.4	2 3/32 53.2	3 1/4 82.6	3/4 19.1	4 101.6	9/16	5.2 2.36
1 15/16 2	VF2B-331 VF2B-332	VB-331 VB-232S	9752 43377	8 1/2 215.9	7 1/4 184.2	5 1/4 133.4	1 33/64 38.5	13/16 20.6	2 3/8 60.3	2 1/4 57.2	3 1/2 88.9	7/8 22.2	4 1/4 108.0	5/8	7.1 3.22

For Replacement Lock Collar see page G-214.

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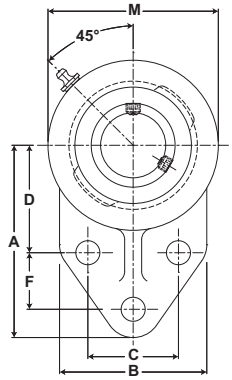
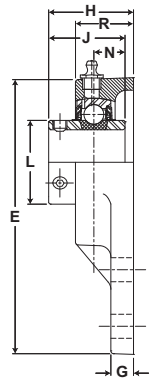
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Flange Bracket
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F





VFBS 200 Series Standard Duty Flange Brackets - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm													Bolt Size	Unit Wt. lb/kg
				A	B	C	D	E	F	G	H	J	L	M	N	R		
3/4	VFBS-212	VS-212	2611 11614	3 76.2	2 3/8 60.3	1 1/2 38.1	1 11/16 42.9	4 3/16 106.4	7/8 22.2	5/16 7.9	1 11/32 34.1	1 7/32 26.2	1 3/16 30.2	2 3/8 60.3	1/2 12.7	61/64 24.2	3/8	1.1 .50
7/8 15/16 1	VFBS-214 VFBS-215 VFBS-216	VS-214 VS-215 VS-216	2801 12459	3 3/8 85.7	2 1/2 63.5	1 5/8 41.3	1 13/16 46.0	4 3/4 120.7	1 1/8 28.6	3/8 9.5	1 1/2 38.1	1 3/8 34.9	1 3/8 34.9	2 3/4 69.9	9/16 14.3	1 1/64 25.8	3/8	1.9 .86
1 1/8 1 3/16 1 1/4	VFBS-218 VFBS-219 VFBS-220S	VS-218 VS-219 VS-220S	4381 19487	3 3/4 95.3	2 3/4 69.9	1 7/8 47.6	2 1/16 52.4	5 23/64 136.1	1 1/4 31.8	3/8 9.5	1 5/8 41.3	1 1/2 38.1	1 19/32 40.5	3 7/32 81.8	5/8 15.9	1 9/64 29.0	3/8	2.8 1.27
1 1/4 1 3/8 1 7/16	VFBS-220 VFBS-222 VFBS-223	VS-220 VS-222 VS-223	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 7/8 47.6	1 11/16 42.9	1 55/64 47.2	3 3/4 95.3	11/16 17.5	1 9/32 32.5	1/2	2.6 1.18
1 15/16 2	VFBS-231 VFBS-232S	VS-231 VS-232S	7889 35090	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 15/32 189.7	1 5/8 41.3	1/2 12.7	2 5/32 54.8	2 1/32 51.6	2 15/32 62.7	4 9/16 115.9	3/4 19.1	1 23/64 34.5	1/2	4.2 1.91

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Standard

Rolling Elements: Ball

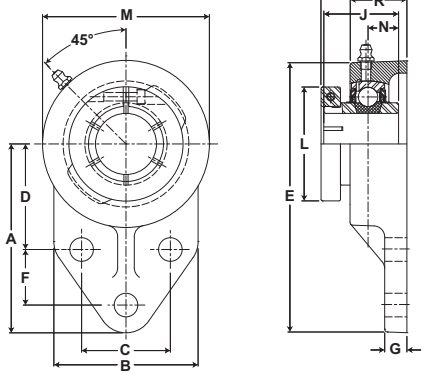
Housing: Cast Iron Flange Bracket

Self Alignment: +/- 1.5 Degrees

Lock: BOA Concentric

Seal: Contact and Flinger

Temperature: -20° to 200°F



VFBB 200 Series Standard Duty Flange Brackets - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm													Bolt Size	Unit Wt. lb/kg
				A	B	C	D	E	F	G	H	J	L	M	N	R		
3/4	VFBB-212	VB-212	2611 11614	3 76.2	2 3/8 60.3	1 1/2 38.1	1 11/16 42.9	4 3/16 106.4	7/8 22.2	5/16 7.9	1 13/32 35.7	1 9/32 32.5	1 3/4 44.5	2 3/8 60.3	1/2 12.7	61/64 24.2	3/8	1.2 .54
7/8 15/16 1	VFBB-214 VFBB-215 VFBB-216	VB-214 VB-215 VB-216	2801 12459	3 3/8 85.7	2 1/2 63.5	1 5/8 41.3	1 13/16 46.0	4 3/4 120.7	1 1/8 28.6	3/8 9.5	1 9/16 39.7	1 7/16 36.5	1 15/16 49.2	2 3/4 69.9	9/16 14.3	1 1/64 25.8	3/8	2.1 .95
1 1/8 1 3/16 1 1/4	VFBB-218 VFBB-219 VFBB-220S	VB-218 VB-219 VB-220S	4381 19487	3 3/4 95.3	2 3/4 69.9	1 7/8 47.6	2 1/16 52.4	5 23/64 136.1	1 1/4 31.8	3/8 9.5	1 11/16 42.9	1 9/16 39.7	2 3/16 55.6	3 7/32 81.8	5/8 15.9	1 9/64 29.0	3/8	2.8 1.27
1 1/4	VFBB-220	VB-220	4381 19487	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 15/16 49.2	1 3/4 44.5	2 7/16 61.9	3 3/4 95.3	11/16 17.5	1 9/32 32.5	3/8	2.9 1.32
1 3/8 1 7/16	VFBB-222 VFBB-223	VB-222 VB-223	5782 25718	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	1/2 12.7	1 15/16 49.2	1 3/4 44.5	2 9/16 65.1	3 3/4 95.3	11/16 17.5	1 9/32 32.5	1/2	2.9 1.32
1 15/16 2	VFBB-231 VFBB-232S	VB-231 VB-232S	7889 35090	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 15/32 189.7	1 5/8 41.3	1/2 12.7	2 7/32 56.4	2 3/32 52.2	3 3/8 85.7	4 9/16 115.9	3/4 19.1	1 23/64 34.5	1/2	4.8 2.18

For Replacement Lock Collar see page G-214.

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard

Rolling Elements: Ball

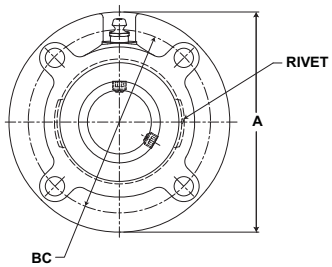
Housing: Cast Iron Piloted Flange Cartridge

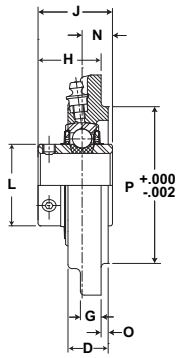
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact and Flinger

Temperature: -20° to 200°F





VFCS 200 Series Standard Duty Piloted Flange Cartridges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P		
1 1/8 1 3/16 1 1/4	VFCS-218 VFCS-219 VFCS-220S	VS-218 VS-219 VS-220S	4381 19487	4 3/8 111.1	3 5/8 92.1	1 63/64 50.4	13/32 10.3	1 1/4 31.8	1 1/2 38.1	1 19/32 40.5	5/8 15.9	7/32 5.6	3.000 76.20	5/16	2.4 1.09
1 1/4 1 3/8 1 7/16	VFCS-220 VFCS-222 VFCS-223	VS-220 VS-222 VS-223	5782 25718	5 127.0	4 1/8 104.8	1 1/16 27.0	13/32 10.3	1 5/16 33.3	1 11/16 42.9	1 55/64 47.2	11/16 17.5	11/32 8.7	3.375 85.73	3/8	3.2 1.45
1 1/2	VFCS-224	VS-224	7340 32648	5 1/4 133.4	4 3/8 111.1	1 3/16 30.2	13/32 10.3	1 1/2 38.1	1 15/16 49.2	2 1/16 52.4	3/4 19.1	13/32 10.3	3.625 92.08	3/8	3.6 1.63
1 5/8 1 11/16 1 3/4	VFCS-226 VFCS-227 VFCS-228	VS-226 VS-227 VS-228	7901 35144	6 1/8 155.6	5 1/8 130.2	1 3/16 30.2	13/32 10.3	1 1/2 38.1	1 15/16 49.2	2 19/64 58.3	3/4 19.1	13/32 10.3	4.250 107.95	7/16	4.9 2.22
1 15/16 2	VFCS-231 VFCS-232S	VS-231 VS-232S	7889 35090	6 1/8 155.6	5 1/8 130.2	1 15/64 31.4	13/32 10.3	1 19/32 40.5	2 1/16 52.4	2 15/32 62.7	3/4 19.1	7/16 11.1	4.250 107.95	7/16	5.7 2.59
2 2 3/16	VFCS-232 VFCS-235	VS-232 VS-235	9752 43377	6 3/8 161.9	5 3/8 136.5	1 3/8 34.9	13/32 10.3	1 37/64 40.1	2 13/64 56.0	2 23/32 69.1	7/8 22.2	19/32 15.1	4.500 114.30	7/16	6.0 2.72
2 1/4 2 7/16	VFCS-236 VFCS-239	VS-236 VS-239	11789 52437	7 1/8 181.0	6 152.4	1 27/32 46.8	17/32 13.5	2 50.8	2 7/8 73.0	2 63/64 75.8	1 25.4	23/32 18.3	5.000 127.00	1/2	7.1 3.22

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SUMINISTROS INDUSTRIALES DÍAZ

Mounted Ball Bearings

Browning®

Duty: Standard

Rolling Elements: Ball

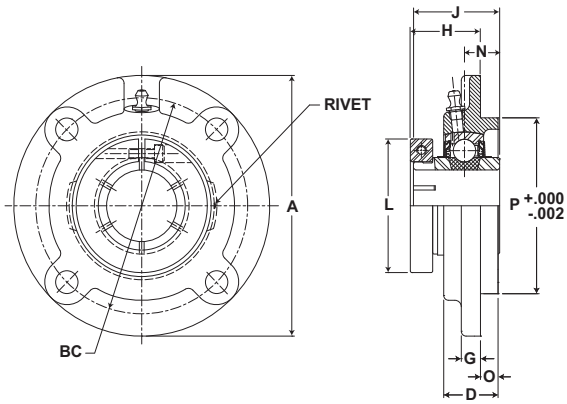
Housing: Cast Iron Piloted Flange Cartridge

Self Alignment: +/- 1.5 Degrees

Lock: BOA Concentric

Seal: Contact and Flinger

Temperature: -20° to 200°F



VFCB 200 Series Standard Duty Piloted Flange Cartridges - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P		
1 1/8 1 3/16	VFCB-218 VFCB-219	VB-218 VB-219	4381 19487	4 3/8 111.1	3 5/8 92.1	63/64 25.0	13/32 10.3	1 5/16 33.3	1 9/16 39.7	2 3/16 55.6	5/8 15.9	7/32 5.6	3.000 76.20	3/8	2.6 1.18
1 1/4	VFCB-220	VB-220	5782 25718	5 127.0	4 1/8 104.8	1 1/16 27.0	13/32 10.3	1 3/8 34.9	1 3/4 44.5	2 7/16 61.9	11/16 17.5	11/32 8.7	3.375 85.73	3/8	3.5 1.59
1 3/8 1 7/16	VFCB-222 VFCB-223	VB-222 VB-223	5782 25718	5 127.0	4 1/8 104.8	1 1/16 27.0	13/32 10.3	1 3/8 34.9	1 3/4 44.5	2 9/16 65.1	11/16 17.5	11/32 8.7	3.375 85.73	3/8	3.5 1.59
1 1/2	VFCB-224	VB-224	7340 32648	5 1/4 133.4	4 3/8 111.1	1 3/16 30.2	13/32 10.3	1 9/16 39.7	2 50.8	2 11/16 68.3	3/4 19.1	13/32 10.3	3.625 92.08	3/8	3.9 1.77
1 5/8	VFCB-226	VB-226	7901 35144	6 1/8 155.6	5 1/8 130.2	1 3/16 30.2	13/32 10.3	1 9/16 39.7	2 50.8	2 13/16 71.4	3/4 19.1	13/32 10.3	4.250 107.95	7/16	5.2 2.36
1 11/16 1 3/4	VFCB-227 VFCB-228	VB-227 VB-228	7901 35144	6 1/8 155.6	5 1/8 130.2	1 3/16 30.2	13/32 10.3	1 9/16 39.7	2 50.8	2 15/16 74.6	3/4 19.1	13/32 10.3	4.250 107.95	7/16	5.2 2.36
1 15/16 2	VFCB-231 VFCB-232S	VB-231 VB-232S	7889 35090	6 1/8 155.6	5 1/8 130.2	1 15/64 31.4	13/32 10.3	1 21/32 42.1	2 3/32 53.2	3 3/8 85.7	3/4 19.1	7/16 11.1	4.250 107.95	7/16	6.3 2.86
2	VFCB-232	VB-232	9752 43377	6 3/8 161.9	5 3/8 136.5	1 3/8 34.9	13/32 10.3	1 41/64 41.7	2 1/4 57.2	3 1/2 88.9	7/8 22.2	19/32 15.1	4.500 114.30	7/16	6.6 2.99
2 3/16	VFCB-235	VB-235	9752 43377	6 3/8 161.9	5 3/8 136.5	1 3/8 34.9	13/32 10.3	1 41/64 41.7	2 1/4 57.2	3 5/8 92.1	7/8 22.2	19/32 15.1	4.500 114.30	7/16	6.6 2.99
2 1/4	VFCB-236	VB-236	11789 52437	7 1/8 181.0	6 152.4	1 27/32 46.8	17/32 13.5	2 1/16 52.4	2 5/8 66.7	4 1/16 103.2	1 25.4	23/32 18.3	5.000 127.00	1/2	8.3 3.76
2 7/16	VFCB-239	VB-239	11789 52437	7 1/8 181.0	6 152.4	1 27/32 46.8	17/32 13.5	2 1/16 52.4	2 5/8 66.7	4 1/8 104.8	1 25.4	23/32 18.3	5.000 127.00	1/2	8.3 3.76

For Replacement Lock Collar see page G-214.

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Medium

Rolling Elements: Ball

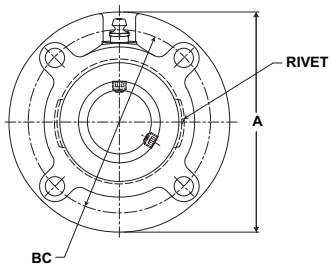
Housing: Cast Iron Piloted Flange Cartridge

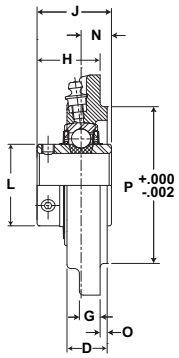
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact and Flinger

Temperature: -20° to 200°F





VFCS 300 Series Medium Duty Piloted Flange Cartridges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P		
1	VFCS-316	VS-316	4381 19487	4 3/8 111.1	3 5/8 92.1	63/64 25.0	13/32 10.3	1 1/4 31.8	1 1/2 38.1	1 19/32 40.5	5/8 15.9	7/32 5.6	3.000 76.20	5/16	2.5 1.13
1 3/16 1 1/4	VFCS-319 VFCS-320	VS-319 VS-220	5782 25718	5 127.0	4 1/8 104.8	1 1/16 27.0	13/32 10.3	1 5/16 33.3	1 11/16 42.9	1 55/64 47.2	11/16 17.5	11/32 8.7	3.375 85.73	3/8	3.2 1.45
1 7/16	VFCS-323	VS-323	7340 32648	5 1/4 133.4	4 3/8 111.1	1 3/16 30.2	13/32 10.3	1 1/2 38.1	1 15/16 49.2	2 1/16 52.4	3/4 19.1	13/32 10.3	3.625 92.08	3/8	3.7 1.68
1 1/2	VFCS-324	VS-324	7901 35144	6 1/8 155.6	5 1/8 130.2	1 3/16 30.2	13/32 10.3	1 1/2 38.1	1 15/16 49.2	2 19/64 58.3	3/4 19.1	13/32 10.3	4.250 107.95	7/16	5.0 2.27
1 11/16 1 3/4	VFCS-327 VFCS-328	VS-327 VS-328	7889 35090	6 1/8 155.6	5 1/8 130.2	1 15/64 31.4	13/32 10.3	1 19/32 40.5	2 1/32 51.6	2 15/32 62.7	3/4 19.1	7/16 11.1	4.250 107.95	7/16	5.8 2.63
1 15/16 2	VFCS-331 VFCS-332	VS-331 VS-232	9752 43377	6 3/8 161.9	5 3/8 136.5	1 3/8 34.9	13/32 10.3	1 37/64 40.1	2 3/16 55.6	2 23/32 69.1	7/8 22.2	19/32 15.1	4.500 114.30	7/16	6.0 2.72
2 3/16 2 1/4	VFCS-335 VFCS-336	VS-335 VS-236	11789 52437	7 1/8 181.0	6 152.4	1 27/32 46.8	17/32 13.5	2 50.8	2 7/16 61.9	2 63/64 75.8	1 25.4	27/32 21.4	5.000 127.00	1/2	6.1 2.77

Metric dimensions for reference only.

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SUMINISTROS INDUSTRIALES DÍAZ

Mounted Ball Bearings

Browning®

Duty: Medium

Rolling Elements: Ball

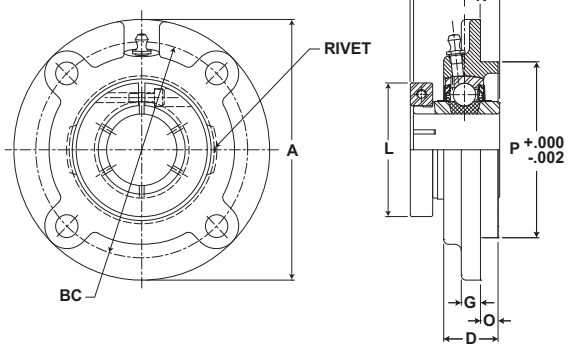
Housing: Cast Iron Piloted Flange Cartridge

Self Alignment: +/- 1.5 Degrees

Lock: BOA Concentric

Seal: Contact and Flinger

Temperature: -20° to 200°F



VFCB 300 Series Medium Duty Piloted Flange Cartridges - BOA Concentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	G	H	J	L	N	O	P		
1	VFCB-316	VB-316	4381 19487	4 3/8 111.1	3 5/8 92.1	63/64 25.0	13/32 10.3	1 5/16 33.3	1 9/16 39.7	2 1/16 52.4	5/8 15.9	7/32 5.6	3.000 76.20	3/16	2.7 1.22
1 3/16 1 1/4	VFCB-319 VFCB-320	VB-319 VB-220	5782 25718	5 127.0	4 1/8 104.8	1 1/16 27.0	13/32 10.3	1 3/8 34.9	1 3/4 44.5	2 7/16 61.9	11/16 17.5	11/32 8.7	3.375 85.73	3/8	3.7 1.68
1 7/16	VFCB-323	VB-323	7340 32648	5 1/4 133.4	4 3/8 111.1	1 3/16 30.2	13/32 10.3	1 9/16 39.7	2 50.8	2 11/16 68.3	3/4 19.1	13/32 10.3	3.625 92.08	3/8	4.2 1.91
1 1/2	VFCB-324	VB-324	7901 35144	6 1/8 155.6	5 1/8 130.2	1 3/16 30.2	13/32 10.3	1 9/16 39.7	2 50.8	2 13/16 71.4	3/4 19.1	13/32 10.3	4.250 107.95	7/16	5.8 2.63
1 11/16 1 3/4	VFCB-327 VFCB-328	VB-327 VB-328	7889 35090	6 1/8 155.6	5 1/8 130.2	1 15/64 31.4	13/32 10.3	1 23/32 43.7	2 3/32 53.2	3 1/4 82.6	3/4 19.1	7/16 11.1	4.250 107.95	7/16	6.8 3.08
1 15/16 2	VFCB-331 VFCB-332	VB-331 VB-232	9752 43377	6 3/8 161.9	5 3/8 136.5	1 3/8 34.9	13/32 10.3	1 51/64 45.6	2 1/4 57.2	3 1/2 88.9	7/8 22.2	19/32 15.1	4.500 114.30	7/16	7.1 3.22
2 3/16	VFCB-335	VB-335	11789 52437	7 1/8 181.0	6 152.4	1 27/32 46.8	13/32 10.3	2 1/16 52.4	2 5/8 66.7	4 1/16 103.2	1 9/32 32.5	27/32 21.4	5.000 127.00	1/2	7.7 3.49

For Replacement Lock Collar see page G-214.

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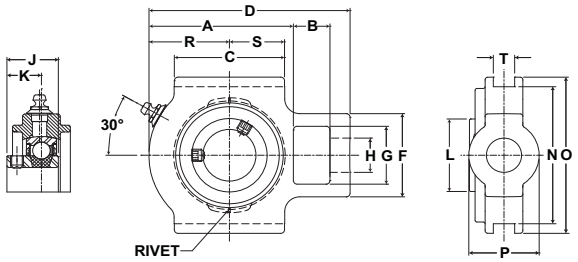
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F



VTWS 100 Series Intermediate Duty Wide Slot Take Ups - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B	C	D	F	G	H Core	J	K	L	N	O	P Hub	R	S	T	Unit Wt. lb/kg
3/4	VTWS-112	VS-112	2611 11614	3 76.2	5/8 15.9	2 1/4 57.2	4 101.6	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 1/16 27.0	23/32 18.3	1 3/16 30.2	3 76.2	3 1/2 88.9	1 3/8 34.9	1 7/16 36.5	1 1/8 28.6	17/32 13.5	1.6 .73
7/8 15/16 1	VTWS-114 VTWS-115 VTWS-116	VS-114 VS-115 VS-116	2801 12459	3 5/64 78.2	5/8 15.9	2 1/4 57.2	4 3/32 104.0	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 7/64 28.2	49/64 19.4	1 3/8 34.9	3 76.2	3 1/2 88.9	1 1/2 38.1	1 9/16 39.7	1 1/8 28.6	17/32 13.5	1.7 .77
1 1/8 1 3/16 1 1/4	VTWS-118 VTWS-119 VTWS-120S	VS-118 VS-119 VS-120S	4381 19487	3 3/8 85.7	3/4 19.1	2 1/2 63.5	4 5/8 117.5	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 5/32 29.4	25/32 19.8	1 19/32 40.5	3 1/2 88.9	4 101.6	1 3/4 44.5	1 25/32 45.2	1 1/4 31.8	17/32 13.5	2.4 1.09
1 1/4 1 3/8 1 7/16	VTWS-120 VTWS-122 VTWS-123	VS-120 VS-122 VS-123	5782 25718	3 3/4 95.3	3/4 19.1	2 3/4 69.9	5 127.0	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 9/32 32.5	55/64 21.8	1 55/64 47.2	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 3/8 34.9	17/32 13.5	3.1 1.41
1 1/2	VTWS-124	VS-124	7340 32648	4 7/32 107.2	3/4 19.1	3 1/4 82.6	5 19/32 142.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 27/64 36.1	15/16 23.8	2 1/16 52.4	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	1 5/8 41.3	11/16 17.5	4.7 2.13
1 11/16 1 3/4	VTWS-127 VTWS-128	VS-127 VS-128	7901 35144	4 3/8 111.1	3/4 19.1	3 1/4 82.6	5 3/4 146.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 7/16 36.5	61/64 24.2	2 19/64 58.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 1/4 57.2	1 5/8 41.3	11/16 17.5	5.2 2.36
1 15/16 2	VTWS-131 VTWS-132S	VS-131 VS-132S	7889 35090	4 17/32 115.1	3/4 19.1	3 3/8 85.7	5 29/32 150.0	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 35/64 39.3	1 3/64 26.6	2 15/32 62.7	4 101.6	4 1/2 114.3	2 1/8 54.0	2 5/16 58.7	1 11/16 42.9	11/16 17.5	5.4 2.45
2 2 3/16	VTWS-132 VTWS-135	VS-132 VS-135	9752 43377	5 3/32 129.4	1 25.4	3 3/4 95.3	6 27/32 173.8	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	1 21/32 42.1	1 7/64 28.2	2 23/32 69.1	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 9/16 65.1	1 7/8 47.6	1 1/16 27.0	8.0 3.63

OBSOLETE!
Please use VTWS 200 Series on page G-187

Refer to page G-190 for Frames.

Bore Size	Frame Series
3/4" to 1"	10
1 1/8" to 1 7/16"	23
1 1/2" to 2"	31
2" to 2 3/16"	39

Metric dimensions for reference only.

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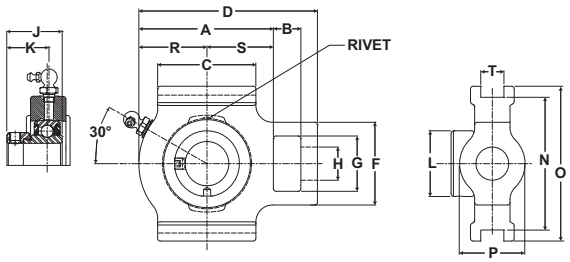
SUMINISTROS INDUSTRIALES DÍAZ

Duty: Intermediate
Rolling Elements: Ball
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 1.5 Degrees
Lock: Eccentric
Seal: Contact
Temperature: -20° to 200°F



VTWE 100 Series Intermediate Duty Wide Slot Take Ups - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
				A	B	C	D	F	G	H Core	J	K	L	N	O	P Hub	R	S	T	
3/4	VTWE-112	VE-112	2611 11614	3 76.2	5/8 15.9	2 1/4 57.2	4 101.6	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 17/64 32.1	59/64 23.4	1 5/16 33.3	3 76.2	3 1/2 88.9	1 3/8 34.9	1 7/16 36.5	1 9/16 39.7	17/32 13.5	1.8 .82
7/8 15/16 1	VTWE-114 VTWE-115 VTWE-116	VE-114 VE-115 VE-116	2801 12459	3 5/64 78.2	5/8 15.9	2 1/4 57.2	4 3/32 104.0	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 17/64 32.1	59/64 23.4	1 1/2 38.1	3 76.2	3 1/2 88.9	1 1/2 38.1	1 9/16 39.7	1 17/32 38.9	17/32 13.5	1.9 .86
1 1/8 1 3/16 1 1/4	VTWE-118 VTWE-119 VTWE-120S	VE-118 VE-119 VE-120S	4381 19487	3 3/8 85.7	3/4 19.1	2 1/2 63.5	4 5/8 117.5	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 27/64 36.1	1 3/64 26.6	1 3/4 44.5	3 1/2 88.9	4 101.6	1 3/4 44.5	1 25/32 45.2	1 19/32 40.5	17/32 13.5	2.8 1.27
1 1/4 1 3/8 1 7/16	VTWE-120 VTWE-122 VTWE-123	VE-120 VE-122 VE-123	5782 25718	3 3/4 95.3	3/4 19.1	2 3/4 69.9	5 127.0	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 37/64 40.1	1 5/32 29.4	2 3/16 55.6	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 3/4 44.5	17/32 13.5	3.5 1.59
1 1/2	VTWE-124	VE-124	7340 32648	4 7/32 107.2	3/4 19.1	3 1/4 82.6	5 19/32 142.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 49/64 44.8	1 9/32 32.5	2 3/8 60.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/32 51.6	11/16 17.5	5.2 2.36
1 11/16 1 3/4	VTWE-127 VTWE-128	VE-127 VE-128	7901 35144	4 3/8 111.1	3/4 19.1	3 1/4 82.6	5-3/4 146.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 49/64 44.8	1 9/32 32.5	2 1/2 63.5	4 101.6	4 1/2 114.3	2 1/8 54.0	2 1/4 57.2	2 1/8 54.0	11/16 17.5	5.8 2.63
1 15/16 2	VTWE-131 VTWE-132S	VE-131 VE-132S	7889 35090	4 17/32 115.1	3/4 19.1	3 3/8 85.7	5 29/32 150.0	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 25/32 45.2	1 9/32 32.5	2 3/4 69.9	4 101.6	4 1/2 114.3	2 1/8 54.0	2 5/16 58.7	2 7/32 56.4	11/16 17.5	6.1 2.77
2 2 3/16	VTWE-132 VTWE-135	VE-132 VE-135	9752 43377	5 3/32 129.4	1 25.4	3 3/4 95.3	6 27/32 173.8	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	1 63/64 50.4	1 7/16 36.5	3 76.2	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 9/16 65.1	2 17/32 64.3	1 1/16 27.0	8.7 3.95

Refer to page G-190 for Frames. For Replacement Lock Collar see page G-214.

Bore Size	Frame Series
3/4" to 1"	10
1 1/8" to 1 7/16"	23
1 1/2" to 2"	31
2" to 2 3/16"	39

Metric dimensions for reference only.

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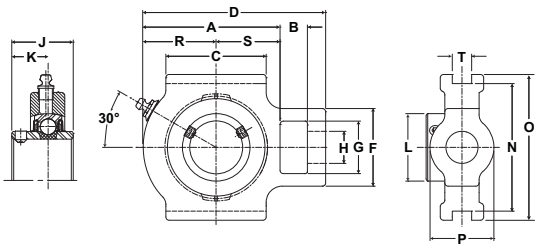
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VTWS 200 Series Standard Duty Wide Slot Take Ups - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
				A	B	C	D	F	G	H Core	J	K	L	N	O	P Hub	R	S	T	
1/2	VTWS-208	VS-208	2108	2 11/16	5/8	2	3 11/16	1 7/8	1 1/4	3/4	1 1/32	5/8	31/32	3	3 1/2	1 3/8	1 5/16	1 3/8	17/32	1.5
5/8	VTWS-210	VS-210	9377	68.3	15.9	50.8	93.7	47.6	31.8	19.1	26.2	15.9	24.6	76.2	88.9	34.9	33.3	34.9	13.5	.68
3/4	VTWS-212	VS-212	2611 11614	3 76.2	5/8 15.9	2 1/4 57.2	4 101.6	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 7/32 31.0	23/32 18.3	1 3/16 30.2	3 76.2	3 1/2 88.9	1 3/8 34.9	1 7/16 36.5	1 9/16 39.7	17/32 13.5	1.7 .77
7/8	VTWS-214	VS-214	2801 12459	3 5/64 78.2	5/8 15.9	2 1/4 57.2	4 3/32 104.0	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 3/8 34.9	13/16 20.6	1 3/8 34.9	3 76.2	3 1/2 88.9	1 1/2 38.1	1 9/16 39.7	1 17/32 38.9	17/32 13.5	1.6 .73
15/16	VTWS-215	VS-215																		
1	VTWS-216	VS-216																		
1 1/8	VTWS-218	VS-218	4381 19487	3 3/8 85.7	3/4 19.1	2 1/2 63.5	4 5/8 117.5	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 1/2 38.1	7/8 22.2	1 19/32 40.5	3 1/2 88.9	4 101.6	1 3/4 44.5	1 25/32 45.2	1 19/32 40.5	17/32 13.5	2.4 1.09
1 3/16	VTWS-219	VS-219																		
1 1/4	VTWS-220S	VS-220S																		
1 1/4	VTWS-220	VS-220	5782 25718	3 3/4 95.3	3/4 19.1	2 3/4 69.9	5 127.0	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 11/16 42.9	1 25.4	1 55/64 47.2	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 3/4 44.5	17/32 13.5	3.3 1.50
1 3/8	VTWS-222	VS-222																		
1 7/16	VTWS-223	VS-223																		
1 1/2	VTWS-224	VS-224	7340 32648	4 7/32 107.2	3/4 19.1	3 1/4 82.6	5 19/32 142.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 15/16 49.2	1 3/16 30.2	2 1/16 52.4	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/32 51.6	11/16 17.5	5.0 2.27
1 5/8	VTWS-226	VS-226	7901 35144	4 3/8 111.1	3/4 19.1	3 1/4 82.6	5 3/4 146.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 15/16 49.2	1 3/16 30.2	2 19/64 58.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 1/4 57.2	2 1/8 54.0	11/16 17.5	5.6 2.54
1 11/16	VTWS-227	VS-227																		
1 3/4	VTWS-228	VS-228																		
1 15/16	VTWS-231	VS-231	7889 35090	4 17/32 115.1	3/4 19.1	3 3/8 85.7	5 29/32 150.0	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	2 1/32 51.6	1 9/32 32.5	2 15/32 62.7	4 101.6	4 1/2 114.3	2 1/8 54.0	2 5/16 58.7	2 7/32 56.4	11/16 17.5	5.8 2.63
2	VTWS-232S	VS-232S																		
2	VTWS-232	VS-232	9752 43377	5 3/32 129.4	1 25.4	3 3/4 95.3	6 27/32 173.8	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	2 3/16 55.6	1 5/16 33.3	2 23/32 69.1	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 9/16 65.1	2 17/32 64.3	1 1/16 27.0	8.4 3.81
2 3/16	VTWS-235	VS-235																		
2 7/16	VTWS-239	VS-239	11789 52437	5 1/2 139.7	1 25.4	4 101.6	7 1/4 184.2	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	2 9/16 65.1	1 9/16 39.7	2 63/64 75.8	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 27/32 72.2	2 21/32 67.5	1 1/16 27.0	9.3 4.22

Refer to page G-190 for Frames.

Bore Size	Frame Series
1/2" to 1"	10
1 1/8" to 1 7/16"	23
1 1/2" to 2"	31
2" to 2 7/16"	39

Metric dimensions for reference only.

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Duty: Standard

Rolling Elements: Ball

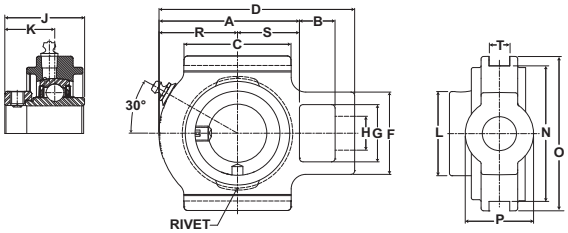
Housing: Cast Iron Wide Slot Take Up

Self Alignment: +/- 1.5 Degrees

Lock: Eccentric

Seal: Contact and Flinger

Temperature: -20° to 200°F



VTWE 200 Series Standard Duty Wide Slot Take Ups - Eccentric Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
				A	B	C	D	F	G	H Core	J	K	L	N	O	P Hub	R	S	T	
3/4	VTWE-212	VE-212	2611 11614	3 76.2	5/8 15.9	2 1/4 57.2	4 101.6	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 23/32 43.7	1 3/64 26.6	1 5/16 33.3	3 76.2	3 1/2 88.9	1 3/8 34.9	1 7/16 36.5	1 9/16 39.7	17/32 13.5	1.8 .82
7/8 15/16 1	VTWE-214 VTWE-215 VTWE-216	VE-214 VE-215 VE-216	2801 12459	3 5/64 78.2	5/8 15.9	2 1/4 57.2	4 3/32 104.0	1 7/8 47.6	1 1/4 31.8	3/4 19.1	1 3/4 44.5	1 1/16 27.0	1 1/2 38.1	3 76.2	3 1/2 88.9	1 1/2 38.1	1 9/16 39.7	1 17/32 38.9	17/32 13.5	1.9 .86
1 1/8 1 3/16	VTWE-218 VTWE-219	VE-218 VE-219	4381 19487	3 3/8 85.7	3/4 19.1	2 1/2 63.5	4 5/8 117.5	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 29/32 48.4	1 3/16 30.2	1 3/4 44.5	3 1/2 88.9	4 101.6	1 3/4 44.5	1 25/32 45.2	1 19/32 40.5	17/32 13.5	2.8 1.27
1 1/4 1 3/8 1 7/16	VTWE-220 VTWE-222 VTWE-223	VE-220 VE-222 VE-223	5782 25718	3 3/4 95.3	3/4 19.1	2 3/4 69.9	5 127.0	2 1/8 54.0	1 7/16 36.5	7/8 22.2	2 1/64 51.2	1 9/32 32.5	2 3/16 55.6	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 3/4 44.5	17/32 13.5	3.5 1.59
1 1/2	VTWE-224	VE-224	7340 32648	4 7/32 107.2	3/4 19.1	3 1/4 82.6	5 19/32 142.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	2 7/32 56.4	1 3/8 34.9	2 3/8 60.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/32 51.6	11/16 17.5	5.2 2.36
1 5/8 1 11/16 1 3/4	VTWE-226 VTWE-227 VTWE-228	VE-226 VE-227 VE-228	7901 35144	4 3/8 111.1	3/4 19.1	3 1/4 82.6	5 3/4 146.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	2 7/32 56.4	1 3/8 34.9	2 1/2 63.5	4 101.6	4 1/2 114.3	2 1/8 54.0	2 1/4 57.2	2 1/8 54.0	11/16 17.5	5.8 2.63
1 15/16	VTWE-231	VE-231	7889 35090	4 17/32 115.1	3/4 19.1	3 3/8 85.7	5 29/32 150.0	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	2 15/32 62.7	1 1/2 38.1	2 3/4 69.9	4 101.6	4 1/2 114.3	2 1/8 54.0	2 5/16 58.7	2 7/32 56.4	11/16 17.5	6.1 2.77
2 2 3/16	VTWE-232 VTWE-235	VE-232 VE-235	9752 43377	5 3/32 129.4	1 25.4	3 3/4 95.3	6 27/32 173.8	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	2 13/16 71.4	1 23/32 43.7	3 76.2	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 9/16 65.1	2 17/32 64.3	1 1/16 27.0	8.7 3.95
2 7/16	VTWE-239	VE-239	11789 52437	5 1/2 139.7	1 25.4	4 101.6	7 1/4 184.2	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	3 1/16 77.8	1 27/32 46.8	3 3/8 85.7	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 27/32 72.2	2 21/32 67.5	1 1/16 27.0	9.6 4.35

Refer to page G-190 for Frames. For Replacement Lock Collar see page G-214.

Bore Size	Frame Series
3/4" to 1"	10
1 1/8" to 1 7/16"	23
1 1/2" to 2"	31
2" to 2 7/16"	39

Metric dimensions for reference only.

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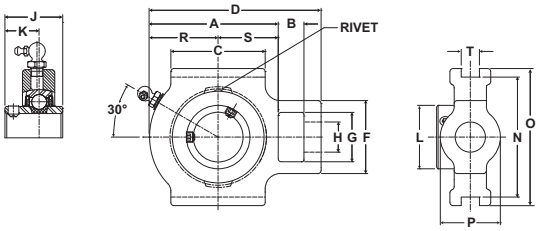
Browning

Mounted Ball Bearings

Duty: Medium
Rolling Elements: Ball
Housing: Cast Iron Wide Slot Take Up
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VTWS 300 Series Medium Duty Wide Slot Take Ups - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm																Unit Wt. lb/kg
				A	B	C	D	F	G	H Core	K	J D	L	N	O	P Hub	R	S	T	
1	VTWS-316	VS-316	4381 19487	3 3/8 85.7	3/4 19.1	2 1/2 63.5	4 5/8 117.5	2 1/8 54.0	1 7/16 36.5	7/8 22.2	7/8 22.2	1 1/2 38.1	1 19/32 40.5	3 1/2 88.9	4 101.6	1 3/4 44.5	1 25/32 45.2	1 19/32 40.5	17/32 13.5	3.1 1.41
1 3/16	VTWS-319	VS-319	5782 25718	3 3/4 95.3	3/4 19.1	2 3/4 69.9	5 127.0	2 1/8 54.0	1 7/16 36.5	7/8 22.2	1 25.4	1 11/16 42.9	1 55/64 47.2	3 1/2 88.9	4 101.6	1 3/4 44.5	2 50.8	1 3/4 44.5	17/32 13.5	4.0 1.81
1 7/16	VTWS-323	VS-323	7340 32648	4 7/32 107.2	3/4 19.1	3 1/4 82.6	5 19/32 142.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 3/16 30.2	1 15/16 49.2	2 1/16 52.4	4 101.6	4 1/2 114.3	2 1/8 54.0	2 3/16 55.6	2 1/32 51.6	11/16 17.5	5.7 2.59
1 1/2	VTWS-324	VS-324	7901 35144	4 3/8 111.1	3/4 19.1	3 1/4 82.6	5 3/4 146.1	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 3/16 30.2	1 15/16 49.2	2 19/64 58.3	4 101.6	4 1/2 114.3	2 1/8 54.0	2 1/4 57.2	2 1/8 54.0	11/16 17.5	5.7 2.59
1 11/16 1 3/4	VTWS-327 VTWS-328	VS-327 VS-328	7889 35090	4 17/32 115.1	3/4 19.1	3 3/8 85.7	5 29/32 150.0	2 3/4 69.9	1 15/16 49.2	1 1/8 28.6	1 9/32 32.5	2 1/32 51.6	2 15/32 62.7	4 101.6	4 1/2 114.3	2 1/8 54.0	2 5/16 58.7	2 7/32 56.4	11/16 17.5	6.2 2.81
1 15/16 2	VTWS-331 VTWS-332	VS-331 VS-232	9752 4337	5 3/32 129.4	1 25.4	3 3/4 95.3	6 27/32 173.8	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	1 5/16 33.3	2 3/16 55.6	2 23/32 69.1	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 9/16 65.1	2 17/32 64.3	1 1/16 27.0	9.5 4.31
2 3/16 2 1/4	VTWS-335 VTWS-336	VS-335 VS-236	11789 52437	5 1/2 139.7	1 25.4	4 101.6	7 1/4 184.2	3 5/8 92.1	2 1/2 63.5	1 3/8 34.9	1 9/16 39.7	2 9/16 65.1	2 63/64 75.8	5 1/8 130.2	5 3/4 146.1	2 1/2 63.5	2 27/32 72.2	2 21/32 67.5	1 1/16 27.0	11.0 4.99

Refer to page G-190 for Frames.

Bore Size	Frame Series
1" to 1 3/16"	23
1 7/16" to 1 3/4"	31
1 15/16" to 2 1/4"	39

Metric dimensions for reference only.

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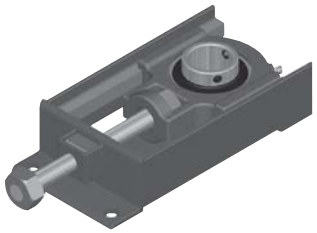

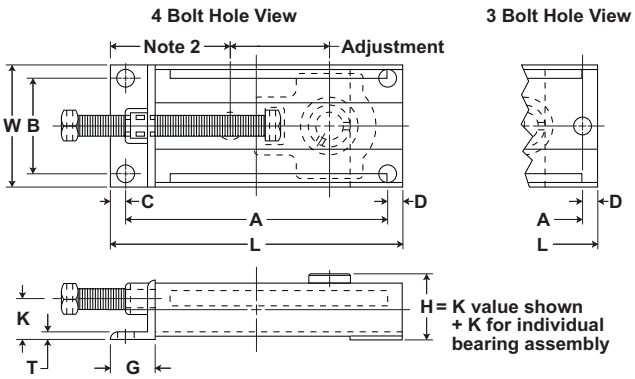

SF Series Standard Duty Center Pull Take-Up Frame

Bore Diameter Range			Frame Part No.	Adjustment	Dimensions inch / mm									Bolt Holes		Unit Wt. lb/kg
100 Series	200 Series	300 Series			L	A	W	B	C	D	G	K	T	No.	Size	
3/4 - 1”	1/2 - 1”	N/A	1SF10	1 1/2 38.1	7 177.8	6 152.4	4 1/16 103.2	3 3/16 81.0	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	3.3 1.50
			3SF16	3 76.2	8 1/2 215.9	7 1/2 190.5	4 1/16 103.2	3 3/16 81.0	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	3.9 1.77
			6SF16	6 152.4	11 1/2 292.1	10 1/2 266.7	4 1/16 103.2	3 3/16 81.0	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	5.1 2.31
			9SF16	9 228.6	14 1/2 368.3	13 1/2 342.9	4 1/16 103.2	3 3/16 81.0	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	6.2 2.81
1 1/8 - 1 7/16”	1 1/8 - 1 7/16”	1 -1 3/16“	3SF23	3 76.2	9 3/8 238.1	8 3/8 212.7	4 11/16 119.1	3 11/16 93.7	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	5.4 2.45
			6SF23	6 152.4	12 3/8 314.3	11 3/8 288.9	4 11/16 119.1	3 11/16 93.7	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	6.7 5.1
			9SF23	9 228.6	15 3/8 390.5	14 3/8 365.1	4 11/16 119.1	3 11/16 93.7	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	8.1 3.67
			12SF23	12 304.8	18 3/8 466.7	17 3/8 441.3	4 11/16 119.1	3 11/16 93.7	1/2 12.7	1/2 12.7	1 1/2 38.1	1 3/8 34.9	1/4 6.4	3	9/16 14	9.5 4.31
1 1/2 - 2”	1 1/2 - 2”	1 7/16 - 1 3/4”	3SF31	3 76.2	11 279.4	9 7/8 250.8	5 1/16 128.6	3 1/16 77.8	1/2 12.7	5/8 15.9	1 1/2 38.1	1 5/8 41.3	1/4 6.4	4	9/16 14	7.4 3.36
			6SF31	6 152.4	14 355.6	12 7/8 327.0	5 1/16 128.6	3 1/16 77.8	1/2 12.7	5/8 15.9	1 1/2 38.1	1 5/8 41.3	1/4 6.4	4	9/16 14	9.1 4.13
			9SF31	9 228.6	17 431.8	15 7/8 403.2	5 1/16 128.6	3 1/16 77.8	1/2 12.7	5/8 15.9	1 1/2 38.1	1 5/8 41.3	1/4 6.4	4	9/16 14	10.8 5.1
			12SF31	12 304.8	20 508.0	18 7/8 479.4	5 1/16 128.6	3 1/16 77.8	1/2 12.7	5/8 15.9	1 1/2 38.1	1 5/8 41.3	1/4 6.4	4	9/16 14	12.5 5.67
			18SF31	18 457.2	26 660.4	24 7/8 631.8	5 1/16 128.6	3 1/16 77.8	1/2 12.7	5/8 15.9	1 1/2 38.1	1 5/8 41.3	1/4 6.4	4	9/16 14	15.9 7.21
2 - 2 3/16”	2 - 2 7/16”	1 15/16 - 2 1/4”	9SF39	9 228.6	18 1/4 463.6	16 7/8 428.6	6 3/8 161.9	4 1/8 104.8	5/8 15.9	3/4 19.1	2 50.8	1 7/8 47.6	5/8 15.9	4	11/16 17	20 5.1
			12SF39	12 304.8	21 1/4 539.8	19 7/8 504.8	6 3/8 161.9	4 1/8 104.8	5/8 15.9	3/4 19.1	2 50.8	1 7/8 47.6	5/8 15.9	4	11/16 17	22.8 5.1
			18SF39	18 457.2	27 1/4 692.2	25 7/8 657.2	6 3/8 161.9	4 1/8 104.8	5/8 15.9	3/4 19.1	2 50.8	1 7/8 47.6	5/8 15.9	4	11/16 17	28.2 5.1

Note:
1. Bearing sold separately.
2. Dimension variable based on housing. To calculate use G in table above + D - R from housing tables shown on prior pages.
Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

Bearing Selection Page G-3 | Nomenclature Aid Page G-140 | Features & Benefits Page G-143 | Technical Engineering Page G-220

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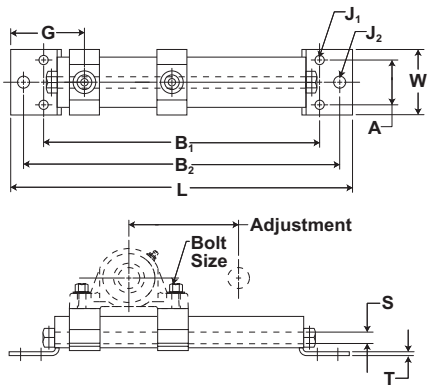
Mounted Ball Bearings



TF and TFS Series Standard Duty Top Mount Take-Up Frame

Bore Diameter Range	Frame Part No.	Adjustment	Dimensions Inch / Mm												Bolt Size	Unit Wt. lb/kg
			L	B1	B2	W	A	G MIN	H	J1	J2	R	S	T		
3/4 - 1”	6TF16	6 152.4	17 1/8 435.0	13 7/8 352.4	15 7/8 403.2	3 1/4 82.6	2 1/4 57.2	3 5/16 84.1	2 3/8 60.3	7/16 11.1	9/16 14.3	9/16 14.3	5/8 15.9	3/16 4.8	3/8 10	6.0 2.72
	9TF16	9 228.6	20 1/8 511.2	16 7/8 428.6	18 7/8 479.4	3 1/4 82.6	2 1/4 57.2	3 5/16 84.1	2 3/8 60.3	7/16 11.1	9/16 14.3	9/16 14.3	5/8 15.9	3/16 4.8	3/8 10	6.7 3.04
1 1/16 - 1 15/16”	6TF31	6 152.4	18 3/16 462.0	15 7/16 392.1	16 15/16 430.2	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	8.9 4.04
	9TF31	9 228.6	22 5/8 574.7	19 7/8 504.8	21 3/8 542.9	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	10.3 4.67
	12TF31	12 304.8	24 3/16 614.4	21 7/16 544.5	22 15/16 582.6	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	10.9 4.94
	18TF31	18 457.2	31 5/8 803.3	28 7/8 733.4	30 3/8 771.5	3 1/2 88.9	2 1/2 63.5	3 3/8 85.7	2 13/16 71.4	7/16 11.1	9/16 14.3	7/8 22.2	3/4 19.1	3/16 4.8	1/2 13	13.3 6.03
2 - 2 7/16”	12TF39	12 304.8	28 711.2	24 3/4 628.7	26 3/4 679.5	4 1/2 114.3	3 76.2	4 101.6	3 5/16 84.1	9/16 14.3	11/16 17.5	15/16 23.8	1 25.4	1/4 6.4	5/8 16	18.3 8.30
	18TF39	18 457.2	34 863.6	30 3/4 781.1	32 3/4 831.9	4 1/2 114.3	3 76.2	4 101.6	3 5/16 84.1	9/16 14.3	11/16 17.5	15/16 23.8	1 25.4	1/4 6.4	5/8 16	21.20 9.62
2 1/4 - 2 7/16”	12TFS39	12 304.8	31 787.4	30 762	-	4 1/2 114.3	3 76.2	3 1/2 88.9	3 76.2	5/8 16	-	-	1 25.4	1/3 8.5	3/4 16	25.66 11.64
	18TFS39	18 457.2	37 939.8	36 914.4	-	4 1/2 114.3	3 76.2	3 1/2 88.9	3 76.2	5/8 16	-	-	1 25.4	1/3 8.5	3/4 16	29.18 13.24

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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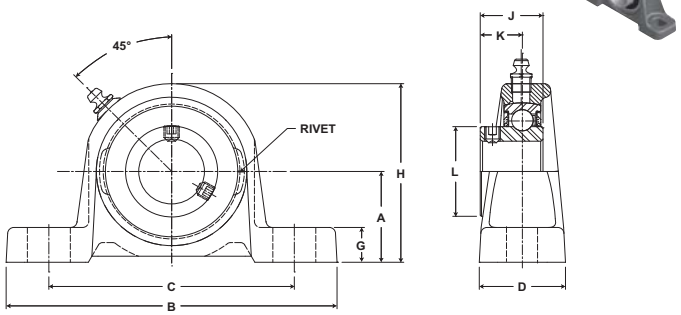
Duty: Intermediate
Rolling Elements: Ball
Housing: Ductile Iron Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F



VPS 100-M Series Intermediate Duty Ductile Iron Pillow Blocks - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm									Bolt Size	Unit Wt. lb/kg
				A	B	C min.	C max.	D	G	H	J	K	L		
1/2 5/8	VPS-108M VPS-110M	VS-108 VS-110	2108 9377	1 3/16 30.2	4 7/16 112.7	3 5/32 80.2	3 23/32 94.5	1 25.4	11/32 8.7	2 5/32 54.8	15/16 23.8	5/8 15.9	31/32 24.6	3/8	.7 .32
3/4	VPS-112M	VS-112	2611 11614	1 5/16 33.3	4 3/4 120.7	3 15/32 88.1	4 1/32 102.4	1 1/16 27.0	3/8 9.5	2 7/16 61.9	1 1/16 27.0	23/32 18.3	1 3/16 30.2	3/8	0.9 .41
15/16 1	VPS-115M VPS-116M	VS-115 VS-116	2801 12459	1 7/16 36.5	5 127.0	3 21/32 92.9	4 7/32 107.2	1 1/8 28.6	13/32 10.3	2 11/16 68.3	1 7/64 28.2	49/64 19.4	1 3/8 34.9	3/8	1.1 .50
1 3/16 1 1/4	VPS-119M VPS-120SM	VS-119 VS-120S	4381 19487	1 11/16 42.9	5 15/16 150.8	4 3/8 111.1	5 1/16 128.6	1 5/16 33.3	13/32 10.3	3 5/32 80.2	1 5/32 29.4	25/32 19.8	1 19/32 40.5	1/2	1.6 .73
1 1/4 1 3/8 1 7/16	VPS-120M VPS-122M VPS-123M	VS-120 VS-122 VS-123	5782 25718	1 7/8 47.6	6 1/4 158.8	4 21/32 118.3	5 11/32 135.7	1 3/8 34.9	7/16 11.1	3 9/16 90.5	1 9/32 32.5	55/64 21.8	1 55/64 47.2	1/2	2.4 1.09

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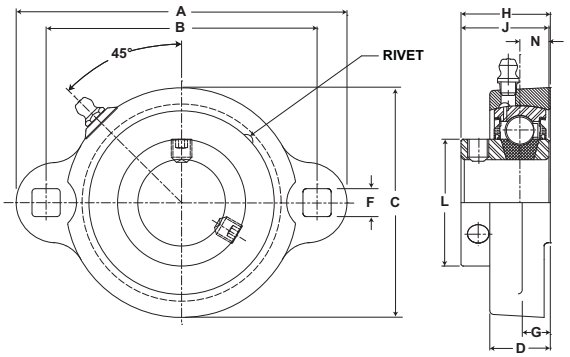
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate
Rolling Elements: Ball
Housing: Ductile Iron Two Bolt Flange
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F



VF2S 100-M Series Intermediate Duty Ductile Iron Two Bolt Flanges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	F Square	G	H	J	L	N		
1/2	VF2S-108M	VS-108	2108	3 3/16	2 1/2	1 15/16	5/8	19/64	13/32	31/32	15/16	31/32	5/16	1/4	.6
5/8	VF2S-110M	VS-110	9377	81.0	63.5	49.2	15.9	7.5	10.3	24.6	23.8	24.6	7.9		.27
3/4	VF2S-112M	VS-112	2611 11614	3 9/16 90.5	2 13/16 71.4	2 1/4 57.2	23/32 18.3	23/64 9.1	7/16 11.1	1 7/64 28.2	1 1/16 27.0	1 3/16 30.2	11/32 8.7	5/16	.9 .41
7/8	VF2S-114M	VS-114													
15/16	VF2S-115M	VS-115	2801 12459	3 3/4 95.3	3 76.2	2 1/2 63.5	25/32 19.8	23/64 9.1	7/16 11.1	1 3/16 30.2	1 7/64 28.2	1 3/8 34.9	11/32 8.7	5/16	1.0 .45
1	VF2S-116M	VS-116													
1 1/8	VF2S-118M	VS-118													
1 3/16	VF2S-119M	VS-119	4381 19487	4 7/16 112.7	3 9/16 90.5	2 15/16 74.6	29/32 23.0	27/64 10.7	15/32 11.9	1 17/64 32.1	1 5/32 29.4	1 19/32 40.5	3/8 9.5	3/8	1.5 .68
1 1/4	VF2S-120SM	VS-120S													
1 1/4	VF2S-120M	VS-120													
1 3/8	VF2S-122M	VS-122	5782 25718	4 13/16 122.2	3 15/16 100.0	3 3/8 85.7	31/32 24.6	27/64 10.7	1/2 12.7	1 25/64 35.3	1 9/32 32.5	1 35/64 39.3	27/64 10.7	3/8	1.9 .86
1 7/16	VF2S-123M	VS-123													

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Intermediate

Rolling Elements: Ball

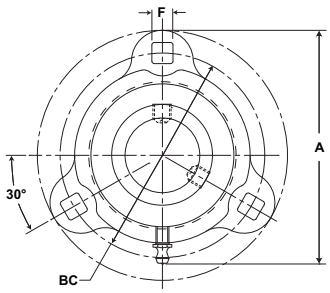
Housing: Ductile Iron Three Bolt Flange

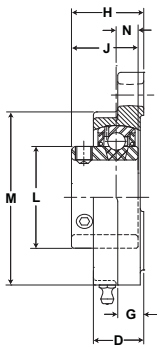
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F





VF3S 100-M Series Intermediate Duty Ductile Iron Three Bolt Flanges - Setscrew Locking

Bore Diameter inch	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	D	F Square	G	H	J	L	M	N		
1/2	VF3S-108M	VS-108	2108	3 3/16	2 1/2	5/8	19/64	13/32	31/32	15/16	31/32	1 15/16	5/16	1/4	.60
5/8	VF3S-110M	VS-110	9377	81.0	63.5	15.9	7.5	10.3	24.6	23.8	24.6	49.2	7.9		.27
3/4	VF3S-112M	VS-112	2611 11614	3 9/16 90.5	2 13/16 71.4	23/32 18.3	23/64 9.1	7/16 11.1	1 7/64 28.2	1 1/16 27.0	1 3/16 30.2	2 1/4 57.2	11/32 8.7	5/16	.81 .37
7/8	VF3S-114M	VS-114													
15/16	VF3S-115M	VS-115	2801 12459	3 3/4 95.3	3 76.2	25/32 19.8	23/64 9.1	7/16 11.1	1 3/16 30.2	1 7/64 28.2	1 3/8 34.9	2 1/2 63.5	11/32 8.7	5/16	1.05 .48
1	VF3S-116M	VS-116													
1 1/8	VF3S-118M	VS-118													
1 3/16	VF3S-119M	VS-119	4381 19487	4 7/16 112.7	3 9/16 90.5	29/32 23.0	27/64 10.7	15/32 11.9	1 17/64 32.1	1 5/32 29.4	1 19/32 40.5	2 15/16 74.6	3/8 9.5	3/8	1.50 .68
1 1/4	VF3S-120SM	VS-120S													
1 1/4	VF3S-120M	VS-120													
1 3/8	VF3S-122M	VS-122	5782 25718	4 13/16 122.2	3 15/16 100.0	31/32 24.6	27/64 10.7	1/2 12.7	1 25/64 35.3	1 9/32 32.5	1 55/64 47.2	3 3/8 85.7	27/64 10.7	3/8	2.00 .91
1 7/16	VF3S-123M	VS-123													

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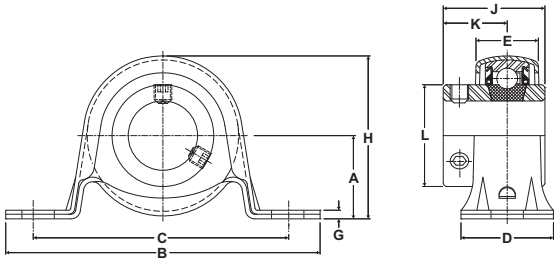
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Light
Rolling Elements: Ball
Housing: Stamped Steel Pillow Block
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F
Relube: No



SSPS 100 Series Light Duty Stamped Steel Pillow Blocks - Setscrew Locking

Bore Diameter inch	Max Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm A	B	C	D	E	G	H	J	K	L	Bolt Size	Unit Wt. lb/kg
7/8	400 1779	SSPS-114	LRS-114	1 1/8 28.6	4 1/4 108.0	3 3/8 85.7	1 1/4 31.8	27/32 21.4	1/8 3.2	2 13/64 56.0	1 3/8 34.9	7/8 22.2	1 3/8 34.9	3/8	.6 .27
15/16		SSPS-115	LRS-115												
1		SSPS-116	LRS-116												
1 1/8	600 2669	SSPS-118	LRS-118	1 5/16 33.3	4 5/8 117.5	3 3/4 95.3	1 3/8 34.9	61/64 24.2	5/32 4.0	2 19/32 65.9	1 19/32 40.5	7/8 22.2	1 19/32 40.5	3/8	1.0 .45
1 3/16		SSPS-119	LRS-119												
1 1/4		SSPS-120S	LRS-120S												

Metric dimensions for reference only.
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Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel with Rubber Grommet Pillow Block

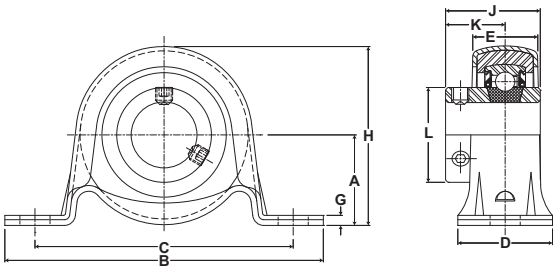
Self Alignment: +/- 1.5 Degrees

Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F

Relube: No



SSRPS 100 Series Light Duty Stamped Steel with Rubber Grommet Pillow Blocks - Setscrew Locking

Bore Diameter inch	Max Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	B	C	D	E	G	H	J	K	L		
3/4	250 1112	SSRPS-112	LRS-112	1 1/8 28.6	4 1/4 108.0	3 3/8 85.7	1 1/4 31.8	27/32 21.4	1/8 3.2	2 13/64 56.0	1 7/32 31.0	13/16 20.6	1 3/16 30.2	3/8	0.6 .27
7/8 15/16 1	300 1334	SSRPS-114 SSRPS-115 SSRPS-116	LRS-114 LRS-115 LRS-116	1 5/16 33.3	4 5/8 117.5	3 3/4 95.3	1 3/8 34.9	61/64 24.2	5/32 4.0	2 19/32 65.9	1 3/8 34.9	55/64 21.8	1 3/8 34.9	3/8	0.8 .36

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel Four Bolt Flange

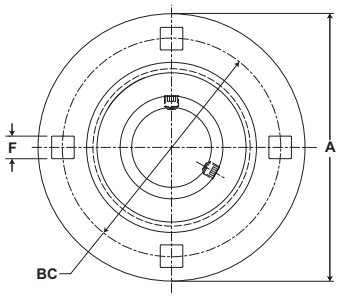
Self Alignment: +/- 1.5 Degrees

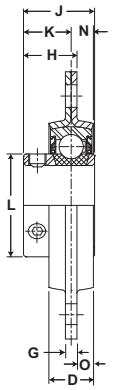
Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F

Relube: No





SSF4S 100 Series Light Duty Stamped Steel Four Bolt Flanges - Setscrew Locking

Bore Diameter inch	Max Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm										Bolt Size	Unit Wt. lb/kg
				A	BC	F Square	G	H	J	L	M	N	O		
1 1/2	1700 7562	SSF4S-124	LS-124	5 13/16 147.6	4 11/16 119.1	17/32 13.5	17/64 6.7	1 5/64 27.4	1 27/64 36.1	2 1/16 52.4	3 7/16 87.3	31/64 12.3	11/32 8.7	1/2	3.5 1.59
1 11/16 1 3/4	1700 7562	SSF4S-127 SSF4S-128	LS-127 LS-128	5 7/8 149.2	4 3/4 120.7	17/32 13.5	17/64 6.7	1 3/32 27.8	1 7/16 36.5	2 19/64 58.3	3 5/8 92.1	31/64 12.3	11/32 8.7	1/2	3.9 1.77
1 15/16	1900 8451	SSF4S-131	LS-131	6 1/8 155.6	5 127.0	17/32 13.5	19/64 7.5	1 3/16 30.2	1 35/64 39.3	2 15/32 62.7	3 27/32 97.6	1/2 12.7	23/64 9.1	1/2	4.0 1.81

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel Three Bolt Flange

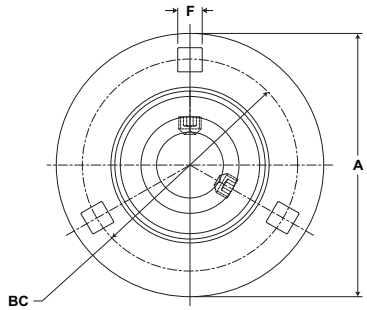
Self Alignment: +/- 1.5 Degrees

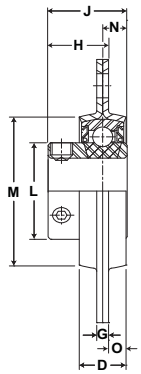
Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F

Relube: No





SSF3S 100 Series Light Duty Stamped Steel Three Bolt Flanges - Setscrew Locking

Bore Diameter inch	Steady Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm											Bolt Size	Unit Wt. lb/kg
				A	BC	D	F Square	G	H	J	L	M	N	O		
3/4	700 3114	SSF3S-112	LS-112	3 9/16 90.5	2 13/16 71.4	43/64 17.1	11/37 8.7	11/64 4.4	13/16 20.6	1 1/16 27.0	1 3/16 30.2	2 1/64 51.2	11/32 8.7	1/4 6.4	5/16	1.0 .45
7/8 15/16 1	800 3558	SSF3S-114 SSF3S-115 SSF3S-116	LS-114 LS-115 LS-116	3 3/4 95.3	3 76.2	43/64 17.1	11/32 8.7	11/64 4.4	55/64 21.8	1 7/64 28.2	1 3/8 34.9	2 7/32 56.4	11/32 8.7	1/4 6.4	5/16	1.3 .59
1 1/8 1 3/16 1 1/4	1100 4893	SSF3S-118 SSF3S-119 SSF3S-120S	LS-118 LS-119 LS-120S	4 7/16 112.7	3 9/16 90.5	17/23 18.8	13/32 10.3	13/64 5.1	57/64 22.6	1 5/32 29.4	1 19/32 40.5	2 21/32 67.5	3/8 9.5	17/64 6.7	3/8	1.5 .68
1 1/4 1 3/8 1 7/16	1400 6227	SSF3S-120 SSF3S-122 SSF3S-123	LS-120 LS-122 LS-123	4 13/16 122.2	3 15/16 100.0	53/64 21.0	13/32 10.3	13/64 5.1	31/32 24.6	1 9/32 32.5	1 55/64 47.2	3 1/16 77.8	27/64 10.7	5/16 7.9	3/8	1.8 .82

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel Three Bolt Triangular Flange

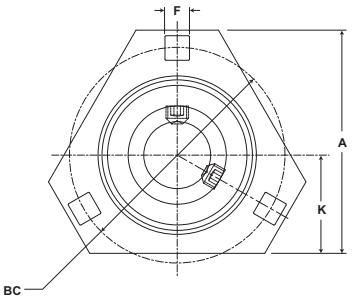
Self Alignment: +/- 1.5 Degrees

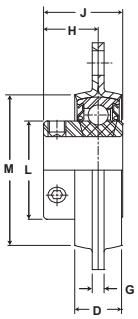
Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F

Relube: No





SSF3TS 100 Series Light Duty Stamped Steel Three Bolt Flanges - Setscrew Locking

Bore Diameter inch	Max Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm A	BC	D	F Square	G	J	H	K	L	M	Bolt Size	Unit Wt. lb/kg
3/4	700 3114	SSF3TS-112	LS-112	3 76.2	2 13/16 71.4	21/32 16.7	11/32 8.7	11/64 4.2	1 1/16 27.0	23/32 18.3	1 5/16 33.3	1 3/16 30.2	2 1/64 51.2	5/16	1.0 .45
7/8 15/16 1	800 3558	SSF3TS-114 SSF3TS-115 SSF3TS-116	LS-114 LS-115 LS-116	3 1/8 79.4	3 76.2	21/32 16.7	11/32 8.7	11/64 4.2	1 7/64 28.2	49/64 19.4	1 3/8 34.9	1 3/8 34.9	2 7/32 56.4	5/16	1.1 .50
1 1/8 1 3/16 1 1/4	1100 4893	SSF3TS-118 SSF3TS-119 SSF3TS-120S	LS-118 LS-119 LS-120S	3 11/16 93.7	3 9/16 90.5	3/4 19.1	11/32 8.7	13/64 5.2	1 5/32 29.4	25/32 19.8	1 1/2 38.1	1 19/32 40.5	2 21/32 67.5	3/8	1.3 .59

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Duty: Light

Rolling Elements: Ball

Housing: Stamped Steel Two Bolt Flange

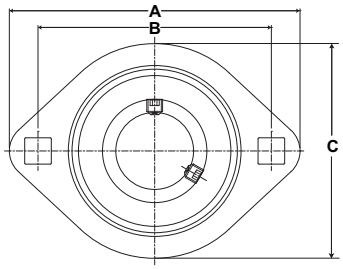
Self Alignment: +/- 1.5 Degrees

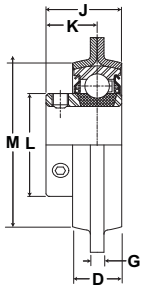
Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F

Relube: No





SSF2S 100 Series Light Duty Stamped Steel Two Bolt Flanges - Setscrew Locking

Bore Diameter inch	Max Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm A	B	C	D	G	J	L	K	M	Bolt Size	Unit Wt. lb/kg
1/2 5/8	600 2669	SSF2S-108 SSF2S-110	LS-108 LS-110	3 3/16 81.0	2 1/2 63.5	2 1/4 57.2	9/16 14.3	5/32 4.0	15/16 23.8	31/32 24.6	5/8 15.9	1 47/64 44.1	1/4	.6 .27
3/4	600 2669	SSF2S-112	LS-112	3 9/16 90.5	2 13/16 71.4	2 5/8 66.7	21/32 16.7	11/64 4.3	1 1/16 27.0	1 3/16 30.2	23/32 18.3	2 1/64 51.2	5/16	.8 .36
7/8 15/16 1	800 3558	SSF2S-114 SSF2S-115 SSF2S-116	LS-114 LS-115 LS-116	3 3/4 95.3	3 76.2	2 13/16 71.4	21/32 71.4	11/64 4.3	1 7/64 28.2	1 3/8 34.9	49/64 19.4	2 7/32 56.4	5/16	.9 .41
1 1/8 1 3/16 1 1/4	1100 4893	SSF2S-118 SSF2S-119 SSF2S-120S	LS-118 LS-119 LS-120S	4 7/16 112.7	3 9/16 90.5	3 5/16 84.1	3/4 19.1	13/64 5.2	1 5/32 29.4	1 19/32 40.5	25/32 19.8	2 21/32 67.5	3/8	1.0 .45

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SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Light

Rolling Elements: Ball

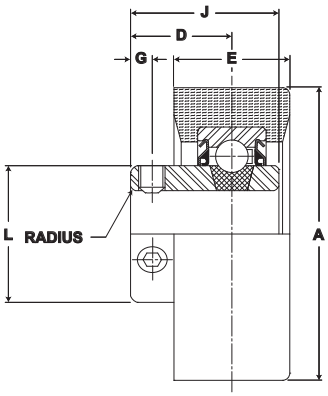
Housing: Cylindrical O.D. Rubber Grommet

Lock: Setscrew

Seal: Contact

Temperature: -20° to 200°F

Relube: No



RUBRS 100 Series Light Duty Rubber Grommets - Setscrew Locking

Bore Diameter inch	Steady Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm A	D	E	G	J	L	Unit Wt. lb/kg
1/2	250 1112	RUBRS-108	SLRS-108	2 17/32 64.3	7/8 22.2	1 25.4	3/16 4.8	1 9/32 32.5	1 3/16 30.2	.5 .23
5/8		RUBRS-110	SLRS-110							
3/4		RUBRS-112	SLRS-112							
15/16	300 1334	RUBRS-115	SLRS-115	2 17/32 64.3	7/8 22.2	1 25.4	3/16 4.8	1 3/8 34.9	1 3/8 34.9	.6 .27
1		RUBRS-116	SLRS-116							

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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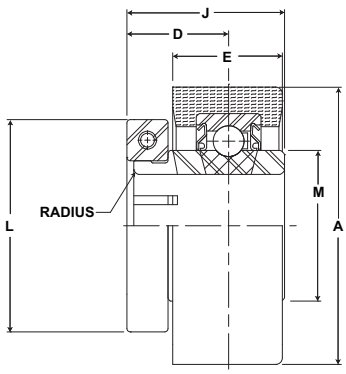
Duty: Light
Rolling Elements: Ball
Housing: Cylindrical O.D. Rubber Grommet
Lock: BOA Concentric
Seal: Contact
Temperature: -20° to 200°F
Relube: No



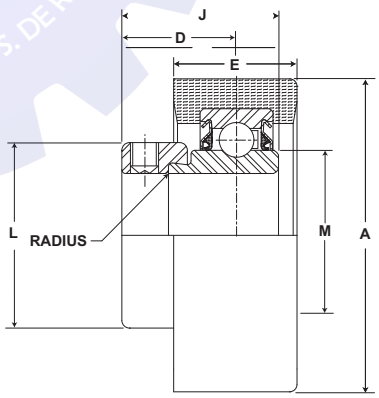
RUBRB 100 Series Light Duty Rubber Grommets - BOA Concentric Locking

Bore Diameter inch	Steady Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm A	D	E	J	L	M	Torx Cap Screw	Unit Wt. lb/kg	Collar No.
5/8	250 1112	RUBRB-112	SLRB-112	2 17/32 64.3	7/8 22.2	1 25.4	11/32 99.1	1 3/4 44.5	1 3/16 30.2	T-25	.5 .23	B-12B
1	300 1334	RUBRB-116	SLRB-116	2 17/32 64.3	15/16 23.8	1 25.4	1 7/16 36.5	1 15/16 49.2	1 3/8 34.9	T-25	.6 .27	B-15A

RUBRB 100 Series Light Duty Rubber Grommets - BOA Concentric Locking - Metric

Bore Diameter mm	Part No.	Bearing Insert No.	Dimensions inch / mm A	D	E	J	L	M	Torx Cap Screw	Unit Wt. lb/kg	Collar No.
20	VPB-20MM	SLRB-20MM	2 17/32 64.3	7/8 22.2	1 25.4	11/32 99.1	1 3/4 44.5	1 3/16 30.2	T-25	.5 .23	2-012B
25	VPB-25MM	SLRB-25MM	2 17/32 64.3	15/16 23.8	1 25.4	1 7/16 36.5	1 15/16 49.2	1 3/8 34.9	T-25	.6 .27	B-15A
30	RUBRB-30MM	SLRB-30MM	3 3/32 78.6	1 25.4	1 7/32 30.7	1 19/32 40.6	2 3/16 55.6	1 19/32 40.4	T-25	1.3 .59	B-19B

Duty: Light
Rolling Elements: Ball
Housing: Cylindrical O.D. Rubber Grommet
Lock: Eccentric
Seal: Contact
Temperature: -20° to 200°F
Relube: No



RUBRE 100 Series Light Duty Rubber Grommets - Eccentric Locking

Bore Diameter inch	Steady Radial Load lb/N	Part No.	Bearing Insert No.	Dimensions inch / mm A	D	E	J	L	M	Setscrew Tap	Unit Wt. lb/kg
3/4	250 1112	RUBRE-112	SLE-112	2 17/32 64.3	59/64 23.4	1 25.4	1 17/64 32.1	1 5/16 .60	1 3/16 .54	1/4-28	.5 .23
15/16 1	300 1334	RUBRE-115 RUBRE-116	SLE-115 SLE-116	2 17/32 64.3	59/64 23.4	1 25.4	1 17/64 32.1	1 1/2 .68	1 3/8 .62	1/4-28	.6 .27

For Replacement Lock Collar see page G-214.

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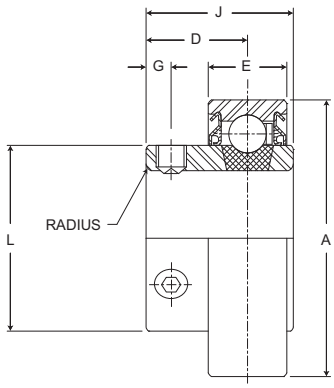
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Light
Rolling Elements: Ball
Outer: Cylindrical O.D.
Self Alignment: +/- 1.5 Degrees
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F
Relube: No



SLS 100 Series Light Duty Straight OD Inserts - Setscrew Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	D	E	G	J	L	Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
1/2 5/8	SLS-108 SLS-110	2108 9377	1.5748 40	5/8 15.9	33/64 13.1	5/32 4.0	15/16 23.8	31/32 24.6	.055 1.4	10-32	.4 .18
3/4	SLS-112	2611 11614	1.8504 47	23/32 18.3	19/32 15.1	3/16 4.8	1 1/16 27.0	1 3/16 30.2	0.07 1.8	1/4-28	.5 .23
7/8 15/16 1	SLS-114 SLS-115 SLS-116	2801 12459	2.042 52	49/64 19.4	19/32 15.1	3/16 4.8	1 7/64 28.2	1 3/8 34.9	0.07 1.8	1/4-28	.6 .27
1 1/8 1 3/16 1 1/4	SLS-118 SLS-119 SLS-120S	4381 19487	2.4409 62	25/32 19.8	45/64 17.9	7/32 5.6	1 5/32 29.4	1 19/32 40.5	0.08 2.0	1/4-28	1.0 .45
1 1/4 1 3/8 1 7/16	SLS-120 SLS-122 SLS-123	5782 25718	2.8346 72	55/64 21.8	3/4 19.1	1/4 6.4	1 9/32 32.5	1 55/64 47.2	0.08 2.0	5/16-24	1.6 .73
1 1/2	SLS-124	7340 32648	3.1496 80	15/16 23.8	55/64 21.8	9/32 7.1	1 27/64 36.1	2 1/16 52.4	0.095 2.4	5/16-24	1.8 .82

Outside diameter may be oversized due to seal press fit.
Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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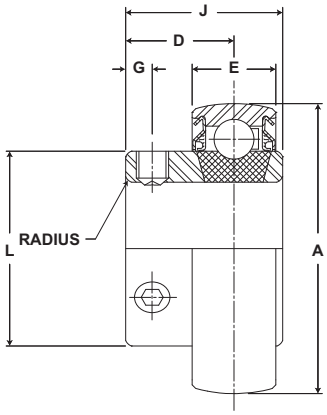
Duty: Light
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F
Relube: No



LS 100 Series Light Duty Inserts - Setscrew Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	D	E	G	J	L	Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
1/2 5/8	LS-108 LS-110	2108 9377	1.5748 40	5/8 15.9	33/64 13.1	5/32 4.0	15/16 23.8	31/32 24.6	.055 1.4	10-32	.4 .18
3/4	LS-112	2611 11614	1.8504 47	23/32 18.3	19/32 15.1	3/16 4.8	1 1/16 27.0	1 3/16 30.2	.070 1.8	1/4-28	.5 .23
7/8 15/16 1	LS-114 LS-115 LS-116	2801 12459	2.0472 52	49/64 19.4	19/32 15.1	3/16 4.8	1 7/64 28.2	1 3/8 34.9	.070 1.8	1/4-28	.6 .27
1 1/8 1 3/16 1 1/4	LS-118 LS-119 LS-120S	4381 19487	2.4409 62	25/32 19.8	45/64 17.9	7/32 5.6	1 5/32 29.4	1 19/32 40.5	.080 2.0	1/4-28	1.0 .45
1 1/4 1 3/8 1 7/16	LS-120 LS-122 LS-123	5782 25718	2.8346 72	55/64 21.8	3/4 19.1	1/4 6.4	1 9/32 32.5	1 55/64 47.2	.080 2.0	5/16-24	1.6 .73
1 1/2	LS-124	7340 32648	3.1496 80	15/16 23.8	55/64 21.8	9/32 7.1	1 27/64 36.1	2 1/16 52.4	.095 2.4	5/16-24	1.8 .82
1 11/16 1 3/4	LS-127 LS-128	7901 35144	3.3465 85	61/64 24.2	55/64 21.8	5/16 7.9	1 7/16 36.5	2 19/64 58.3	.110 2.8	5-16-24	1.4 .64
1 15/16	LS-131	7889 35090	3.5433 90	1 3/64 26.6	29/32 23.0	3/8 9.5	1 35/64 39.3	2 15/32 62.7	.110 2.8	3/8-24	1.6 .73

Bearing Selection Page G-3 | Nomenclature Aid Page G-140 | Features & Benefits Page G-143 | Technical Engineering Page G-220

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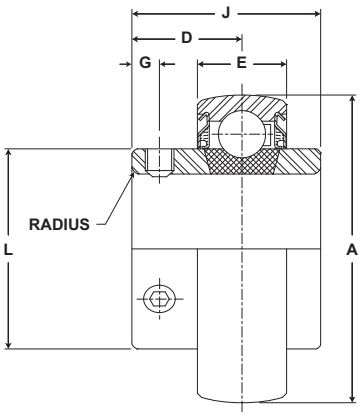
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Light
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F
Relube: No



LRS 100 Series Light Duty Inserts - Setscrew Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions In Inches A	D	E	G	J	L	Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
3/4	LRS-112	2611 11614	47MM 1.8504	13/16 20.6	19/32 15.1	3/16 4.8	1 7/32 31.0	1 3/16 30.2	.04 1.0	1/4-28	.4 .18
7/8 15/16 1	LRS-114 LRS-115 LRS-116	2801 12459	52MM 2.0472	55/64 21.8	19/32 15.1	7/32 5.6	1 3/8 34.9	1 3/8 34.9	.04 1.0	1/4-28	.5 .23
1 1/8 1 3/16 1 1/4	LRS-118 LRS-119 LRS-120S	4381 19487	62MM 2.4409	7/8 22.2	45/64 17.9	7/32 5.6	1 1/2 38.1	1 19/32 40.5	.04 1.0	1/4-28	.9 .41

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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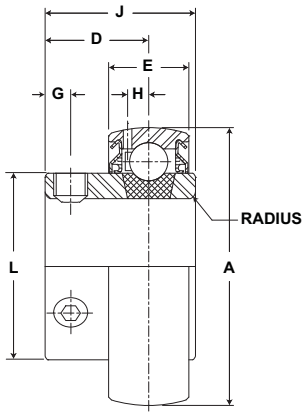
Duty: Intermediate
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Setscrew
Seal: Contact
Temperature: -20° to 200°F



VS 100 Series Intermediate Duty Inserts - Setscrew Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions In Inches							Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
			A	D	E	G	H	J	L			
1/2 5/8	VS-108 VS-110	2108 9377	1.5748 40	5/8 15.9	.512 13	5/32 4.0	9/64 3.6	15/16 23.8	31/32 24.6	.055 1.4	10-32	.3 .14
3/4	VS-112	2611 11614	1.8504 47	23/32 18.3	.591 15	3/16 4.8	5/32 4.0	1 1/16 27.0	1 3/16 30.2	.070 1.8	1/4-28	.4 .18
7/8 15/16 1	VS-114 VS-115 VS-116	2801 12459	2.0472 52	49/64 19.4	.591 15	3/16 4.8	5/32 4.0	1 7/64 28.2	1 3/8 34.9	.070 1.8	1/4-28	.5 .23
1 1/8 1 3/16 1 1/4	VS-118 VS-119 VS-120S	4381 19487	2.4409 62	25/32 19.8	.709 18	7/32 5.6	13/64 5.2	1 5/32 29.4	1 19/32 40.5	.080 2.0	1/4-28	.7 .32
1 1/4 1 3/8 1 7/16	VS-120 VS-122 VS-123	5782 25718	2.8346 72	55/64 21.8	.748 19	1/4 6.4	15/64 6.0	1 9/32 32.5	1 55/64 47.2	.080 2.0	5/16-24	1.0 .45
1 1/2	VS-124	7340 32648	3.1496 80	15/16 23.8	.866 22	9/32 7.1	17/64 6.7	1 27/64 36.1	2 1/16 52.4	.095 2.4	5/16-24	1.2 .54
1 11/16 1 3/4	VS-127 VS-128	7901 35144	3.3465 85	61/64 24.2	.866 22	5/16 7.9	17/64 6.7	1 7/16 36.5	2 19/64 58.3	.110 2.8	5/16-24	1.4 .64
1 15/16 2	VS-131 VS-132S	7889 35090	3.5433 90	1 3/64 26.6	.906 23	3/8 9.5	9/32 7.1	1 35/64 39.3	2 15/32 62.7	.110 2.8	3/8-24	1.6 .73
2 2 3/16	VS-132 VS-135	9752 43377	3.9370 100	1 7/64 28.2	.984 25	3/8 9.5	5/16 7.9	1 21/32 42.1	2 23/32 69.1	.125 3.2	3/8-24	2.2 1.00

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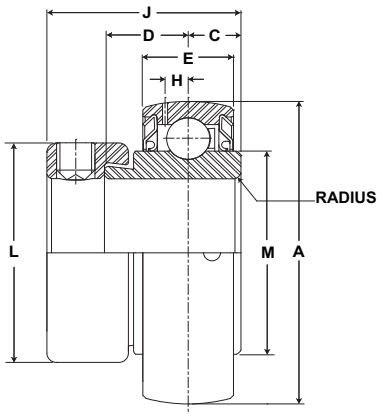
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Intermediate
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Eccentric
Seal: Contact
Temperature: -20° to 200°F



VE 100 Series Intermediate Duty Inserts - Eccentric Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm								Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
			A	C	D	E	H	J	L	M			
1/2 5/8	VE-108 VE-110	2108 9377	1.5748 40	5/16 7.9	1/2 12.7	.512 13	9/64 3.6	1 3/16 30.2	1 3/16 30.2	31/32 24.6	.055 1.4	1/4-28	.4 .18
3/4	VE-112	2611 11614	1.8504 47	11/32 8.7	35/64 13.9	.591 15	5/32 4.0	1 17/64 32.1	1 5/16 33.3	1 3/16 30.2	.070 1.8	1/4-28	.4 .18
7/8 15/16 1	VE-114 VE-115 VE-116	2801 12459	2.0472 52	11/32 8.7	35/64 13.9	.591 15	5/32 4.0	1 17/64 32.1	1 1/2 38.1	1 3/8 34.9	.070 1.8	1/4-28	.5 .23
1 1/8 1 3/16 1 1/4	VE-118 VE-119 VE-120S	4381 19487	2.4409 62	3/8 9.5	37/64 14.7	.709 18	13/64 5.2	1 27/64 36.1	1 3/4 44.5	1 19/32 40.5	.080 2.0	5/16-24	.7 .32
1 1/4 1 3/8 1 7/16	VE-120 VE-122 VE-123	5782 25718	2.8346 72	27/64 10.7	5/8 15.9	.748 19	15/64 6.0	1 37/64 40.1	2 3/16 55.6	1 55/64 47.2	.080 2.0	3/8-24	1.1 .50
1 1/2	VE-124	7340 32648	3.1496 80	31/64 12.3	3/4 19.1	.866 22	17/64 6.7	1 49/64 44.8	2 3/8 60.3	2 1/16 52.4	.095 2.4	3/8-24	1.4 .64
1 11/16 1 3/4	VE-127 VE-128	7901 35144	3.3465 85	31/64 12.3	3/4 19.1	.866 22	17/64 6.7	1 49/64 44.8	2 1/2 63.5	2 19/64 58.3	.110 2.8	3/8-24	1.6 .73
1 15/16 2	VE-131 VE-132S	7889 35090	3.5433 90	1/2 12.7	3/4 19.1	.906 23	9/32 7.1	1 25/32 45.2	2 3/4 69.9	2 15/32 62.7	.110 2.8	3/8-24	1.8 .82
2 2 3/16	VE-132 VE-135	9752 43377	3.937 100	35/64 13.9	13/16 20.6	.984 25	5/16 7.9	1 63/64 50.4	3 76.2	2 23/32 69.1	.125 3.2	7/16-20	2.5 1.13

Replacement collar part numbers can be found on page G-214.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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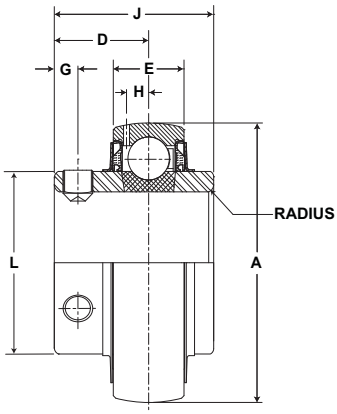
Duty: Standard
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VS 200 Series Standard Duty Inserts - Setscrew Locking - Inch

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm							Max. Rad. To Clear	Setscrew Thread	Unit Wt. lb/kg
			A	D	E	G	H	J	L			
1/2 5/8	VS-208 VS-210	2108 9377	1.5748 40	5/8 15.9	.512 13	5/32 4.0	9/64 3.6	1 1/32 26.2	31/32 24.6	.040 1.0	10-32	.4 .18
3/4	VS-212	2611 11614	1.8504 47	23/32 18.3	.591 15	3/16 4.8	5/32 4.0	1 7/32 31.0	1 3/16 30.2	.040 1.0	1/4-28	.4 .18
7/8 15/16 1	VS-214 VS-215 VS-216	2801 12459	2.0472 52	13/16 20.6	.591 15	7/32 5.6	5/32 4.0	1 3/8 34.9	1 3/8 34.9	.040 1.0	1/4-28	.6 .27
1 1/8 1 3/16 1 1/4	VS-218 VS-219 VS-220S	4381 19487	2.4409 62	7/8 22.2	39/55 18	7/32 5.6	13/64 5.2	1 1/2 38.1	1 19/32 40.5	.040 1.0	1/4-28	.9 .41
1 1/4 1 3/8 1 7/16	VS-220 VS-222 VS-223	5782 25718	2.8346 72	1 25.4	.748 19	1/4 6.4	15/64 6.0	1 11/16 42.9	1 55/64 47.2	.040 1.0	5/16-24	1.2 .54
1 1/2	VS-224	7340 32648	3.1496 80	1 3/16 30.2	.866 22	5/16 7.9	17/64 6.7	1 15/16 49.2	2 1/16 52.4	.062 1.6	5/16-24	1.5 .68
1 5/8 1 11/16 1 3/4	VS-226 VS-227 VS-228	7901 35144	3.3465 85	1 3/16 30.2	.866 22	5/16 7.9	17/64 6.7	1 15/16 49.2	2 19/64 58.3	.062 1.6	5/16-24	1.6 .73
1 15/16 2	VS-231 VS-232S	7889 35090	3.5433 90	1 9/32 32.5	.906 23	3/8 9.5	9/32 7.1	2 1/32 51.6	2 15/32 62.7	.062 1.6	3/8-24	1.8 .82
2 2 3/16	VS-232 VS-235	9752 43377	3.9370 100	1 5/16 33.3	.984 25	3/8 9.5	5/16 7.9	2 3/16 55.6	2 23/32 69.1	.080 2.0	3/8-24	2.3 1.04
2 1/4 2 7/16	VS-236 VS-239	11789 52437	4.3307 110	1 9/16 39.7	1.063 27	7/16 11.1	11/32 8.7	2 9/16 65.1	2 63/64 75.8	.080 2.0	3/8-24	3.1 1.41

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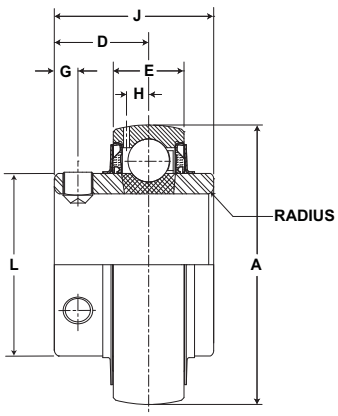
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VS 200 Series Standard Duty Inserts - Setscrew Locking - Metric

Bore Diameter mm	Part No.	Basic Dynamic Rating N/lb	Dimensions mm / inch A	D	E	G	H	J	L	Max. Rad. To Clear	Setscrew Thread	Unit Wt. kg/lb
20	VS-20MM	11614 2611	47.000 1.8504	18.3 23/32	15.0 .591	4.8 3/16	4.0 5/32	31.0 1 7/32	30.2 1 3/16	1.0 .040	M6	.18 .4
25	VS-25MM	12459 2801	52.000 2.0472	20.6 13/16	15.0 .591	5.6 7/32	4.0 5/32	34.9 1 3/8	34.9 1 3/8	1.0 .040	M6	.27 .6
30	VS-30MM	19487 4381	62.000 2.4409	22.2 7/8	18.0 .709	5.6 7/32	5.2 13/64	38.1 1 1/2	40.5 1 19/32	1.0 .040	M6	.41 .9
35	VS-35MM	25718 5782	72.000 2.8346	25.4 1	19.0 .748	6.4 1/4	6.0 15/64	42.9 1 11/16	47.2 1 55/64	1.0 .040	M8	.54 1.2
40	VS-40MM	32648 7340	80.000 3.1496	30.2 1 3/16	22.0 .866	7.9 5/16	6.7 17/64	49.2 1 15/16	52.4 2 1/16	1.6 .062	M8	.68 1.5
45	VS-45MM	35144 7901	85.000 3.3465	30.2 1 3/16	22.0 .866	7.9 5/16	6.7 17/64	49.2 1 15/16	58.3 2 19/64	1.6 .062	M8	.73 1.6
50	VS-50MM	35090 7889	90.000 3.5433	32.5 1 9/32	23.0 .906	9.5 3/8	7.1 9/32	51.6 2 1/32	62.7 2 15/32	1.6 .062	M10	.82 1.8
55	VS-55MM	43377 9752	100.000 3.9370	33.3 1 5/16	25.0 .984	9.5 3/8	7.9 5/16	55.6 2 3/16	69.1 2 23/32	2.0 .080	M10	1.04 2.3
60	VS-60MM	52437 11789	110.000 4.3307	39.7 1 9/16	27.0 1.063	11.1 7/16	8.7 11/32	65.1 2 9/16	75.8 2 63/64	2.0 .080	M10	1.41 3.1

Metric dimensions for reference only.
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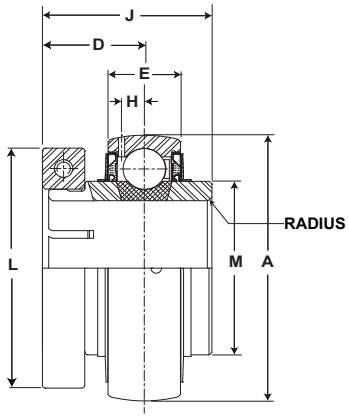
Mounted Ball Bearings

Browning®

Duty: Standard
Rolling Elements: Ball
Outer: Spherical O.D.
Self Alignment: +/- 1.5 Degrees
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VB 200 Series Standard Duty Inserts - BOA Concentric Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	D	E	H	J	L	M	Max. Rad. To Clear	Torx Cap Screw	Unit Wt. lb/kg
3/4	VB-212	2611 11614	1.8504 47	25/32 19.8	.594 15	5/32 4.0	1 9/32 32.5	1 3/4 44.5	1 3/16 30.2	0.04 1.0	T-25	0.5 .23
7/8 15/16 1	VB-214 VB-215 VB-216	2801 12459	2.0472 52	7/8 22.2	.594 15	5/32 4.0	1 7/16 36.5	1 15/16 49.2	1 3/8 34.9	0.04 1.0	T-25	0.8 .36
1 1/8 1 3/16 1 1/4	VB-218 VB-219 VB-220S	4381 19487	2.4409 62	15/16 23.8	.709 18	13/64 5.2	1 9/16 39.7	2 3/16 55.6	1 19/32 40.5	0.04 1.0	T-25	1.1 .50
1 1/4	VB-220	5782 25718	2.8346 72	1 1/16 27.0	.750 19	15/64 6.0	1 3/4 44.5	2 7/16 61.9	1 55/64 47.2	0.04 1.0	T-27	1.5 .68
1 3/8 1 7/16	VB-222 VB-223	5782 25718	2.8346 72	1 1/16 27.0	.750 19	15/64 6.0	1 3/4 44.5	2 9/16 65.1	1 55/64 47.2	0.04 1.0	T-27	1.5 .68
1 1/2	VB-224	7340 32648	3.1496 80	1 1/4 31.8	.875 22	17/64 6.7	2 50.8	2 11/16 68.3	2 1/16 52.4	0.062 1.6	T-27	1.8 .82
1 5/8	VB-226	7901 35144	3.3465 85	1 1/4 31.8	.875 22	17/64 6.7	2 50.8	2 13/16 71.4	2 19/64 58.3	0.062 1.6	T-27	1.9 .86
1 11/16 1 3/4	VB-227 VB-228	7901 35144	3.3465 85	1 1/4 31.8	.875 22	17/64 6.7	2 50.8	2 15/16 74.6	2 19/64 58.3	0.062 1.6	T-27	1.9 .86
1 15/16 2	VB-231 VB-232S	7889 35090	3.5433 90	1 11/32 34.1	.906 23	9/32 7.1	2 3/32 53.2	3 3/8 85.7	2 15/32 62.7	0.062 1.6	T-30	2.4 1.09
2	VB-232	9752 43377	3.9370 100	1 3/8 34.9	.984 25	5/16 7.9	2 1/4 57.2	3 1/2 88.9	2 23/32 69.1	0.08 2.0	T-30	2.9 1.32
2 3/16	VB-235	9752 43377	3.9370 100	1 3/8 34.9	.984 25	5/16 7.9	2 1/4 57.2	3 5/8 92.1	2 23/32 69.1	0.08 2.0	T-30	2.9 1.32
2 1/4	VB-236	11789 52437	4.3307 110	1 5/8 41.3	1.063 27	11/32 8.7	2 5/8 66.7	4 1/16 103.2	2 63/64 75.8	0.08 2.0	T-45	4.3 1.95
2 7/16	VB-239	11789 52437	4.3307 110	1 5/8 41.3	1.063 27	11/32 8.7	2 5/8 66.7	4 1/8 104.8	2 63/64 75.8	0.08 2.0	T-45	4.3 1.95

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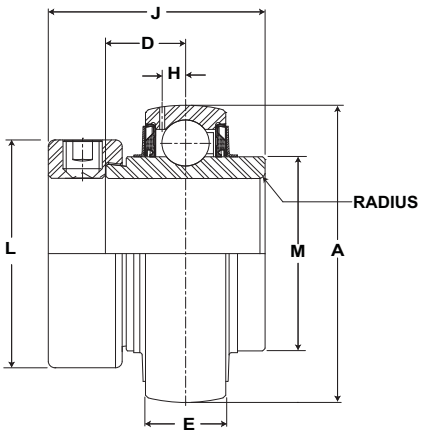
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Eccentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VE 200 Series Standard Duty Inserts - Eccentric Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	D	E	H	J	L	M	Max. Rad. To Clear	Setscrew Tap	Unit Wt. lb/kg
1/2 5/8	VE-208 VE-210	2108 9377	1.5748 40	35/64 13.9	.512 13	9/64 3.6	1 15/32 37.3	1 3/16 30.2	31/32 24.6	.055 1.4	1/4-28	.6 .27
3/4	VE-212	2611 11614	1.8504 47	43/64 17.1	.591 15	5/32 4.0	1 23/32 43.7	1 5/16 33.3	1 3/16 30.2	.070 1.8	1/4-28	.6 .27
7/8 15/16 1	VE-214 VE-215 VE-216	2801 12459	2.0472 52	11/16 17.5	.591 15	5/32 4.0	1 3/4 44.5	1 1/2 38.1	1 3/8 34.9	.070 1.8	1/4-28	.8 .36
1 1/8 1 3/16 1 1/4	VE-218 VE-219 VE-220S	4381 19487	2.4409 62	23/32 18.3	.709 18	13/64 5.2	1 29/32 48.4	1 3/4 44.5	1 19/32 40.5	.080 2.0	5/16-24	1.1 .50
1 1/4 1 3/8 1 7/16	VE-220 VE-222 VE-223	5782 25718	2.8346 72	3/4 19.1	.748 19	15/64 6.0	2 1/64 51.2	2 3/16 55.6	1 55/64 47.2	.080 2.0	3/8-24	1.4 .64
1 1/2	VE-224	7340 32648	3.1496 80	27/32 21.4	.866 22	17/64 6.7	2 7/32 56.4	2 3/8 60.3	2 1/16 52.4	.095 2.4	3/8-24	1.7 .77
1 5/8 1 11/16 1 3/4	VE-226 VE-227 VE-228	7901 35144	3.3465 85	27/32 21.4	.866 22	17/64 6.7	2 7/32 56.4	2 1/2 63.5	2 19/64 58.3	.110 2.8	3/8-24	1.8 .82
1 15/16	VE-231	7889 35090	3.5433 90	31/32 24.6	.906 23	9/32 7.1	2 15/32 62.7	2 3/4 69.9	2 15/32 62.7	.110 2.8	3/8-24	2.3 1.04
2 2 3/16	VE-232 VE-235	9752 43377	3.9370 100	1 3/32 27.8	.984 25	5/16 7.9	2 13/16 71.4	3 76.2	2 23/32 69.1	.125 3.2	7/16-20	3 1.36
2 1/4 2 7/16	VE-236 VE-239	11789 52437	4.3307 110	1 7/32 31.0	1.063 27	11/32 8.7	3 1/16 77.8	3 3/8 85.7	2 63/64 75.8	.125 3.2	7/16-20	4 1.81

Replacement collar part numbers can be found on page G-214.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
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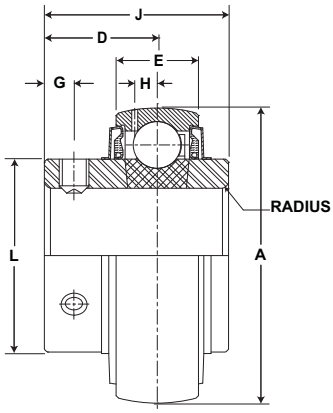
Mounted Ball Bearings

Browning®

Duty: Medium
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: Setscrew
Seal: Contact and Flinger
Temperature: -20° to 200°F



VS 300 Series Medium Duty Inserts - Setscrew Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm							Max. Rad. To Clear	Setscrew Tap	Unit Wt. lb/kg
			A	D	E	G	H	J	L			
1	VS-316	4381 19487	2.4409 62	7/8 22.2	.709 18.0	7/32 5.6	13/64 5.2	1 1/2 38.1	1 19/32 40.5	.040 1.0	1/4-28	.9 .41
1 3/16	VS-319	5782 25718	2.8346 72	1 25.4	.748 19.0	1/4 6.4	15/64 6.0	1 11/16 42.9	1 55/64 47.2	.040 1.0	5/16-24	1.2 .54
1 7/16	VS-323	7340 32648	3.1496 80	1 3/16 30.2	.866 22.0	5/16 7.9	17/64 6.7	1 15/16 49.2	2 1/16 52.4	.062 1.6	5/16-24	1.6 .73
1 1/2	VS-324	7901 35144	3.3465 85	1 3/16 30.2	.866 22.0	5/16 7.9	17/64 6.7	1 15/16 49.2	2 19/64 58.3	.062 1.6	5/16-24	1.6 .73
1 11/16 1 3/4	VS-327 VS-328	7889 35090	3.5433 90	1 9/32 32.5	.906 23.0	3/8 9.5	9/32 7.1	2 1/32 51.6	2 15/32 62.7	.062 1.6	3/8-24	1.8 .82
1 15/16	VS-331	9752 43377	3.9370 100	1 5/16 33.3	.984 25.0	3/8 9.5	5/16 7.9	2 3/16 55.6	2 23/32 69.1	.080 2.0	3/8-24	2.3 1.04
2 3/16	VS-335	11789 52437	4.3307 110	1 9/16 39.7	1.063 27.0	7/16 11.1	21/64 8.3	2 9/16 65.1	2 63/64 75.8	.080 2.0	3/8-24	3.1 1.41

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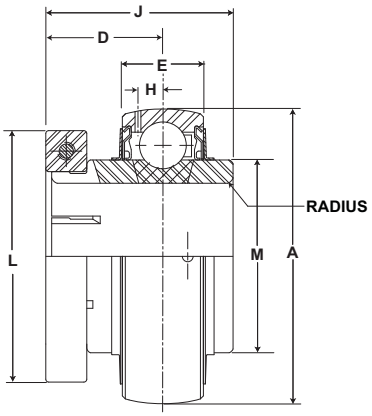
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Mounted Ball Bearings

Duty: Standard
Rolling Elements: Ball
Outer: Spherical O.D.
Lock: BOA Concentric
Seal: Contact and Flinger
Temperature: -20° to 200°F



VB 300 Series Medium Duty Inserts - BOA Concentric Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm							Max. Rad. To Clear	Furx Cap Screw	Unit Wt. lb/kg	Collar No.
			A	D	E	G	H	J	L				
1	VB-316	4381 19487	2.4409 62	7/8 22.2	.709 18.0	7/32 5.6	13/64 5.2	1 9/16 39.7	2 1/16 52.4	.040 1.0	T-25	.9 .41	B-19A
1 3/16	VB-319	5782 25718	2.8346 72	1 25.4	.748 19.0	1/4 6.4	15/64 6.0	1 3/4 44.5	2 7/16 61.9	.040 1.0	T-27	1.2 .54	B-23A
1 7/16	VB-323	7340 32648	3.1496 80	1 3/16 30.2	.866 22.0	5/16 7.9	17/64 6.7	2 50.8	2 11/16 68.3	.062 1.6	T-27	1.6 .73	B-25A
1 1/2	VB-324	7901 35144	3.3465 85	1 3/16 30.2	.866 22.0	5/16 7.9	17/64 6.7	2 50.8	2 13/16 71.4	.062 1.6	T-27	1.6 .73	B-27A
1 11/16 1 3/4	VB-327 VB-328	7889 35090	3.5433 90	1 9/32 32.5	.906 23.0	3/8 9.5	9/32 7.1	3 76.2	3 1/4 82.6	.062 1.6	T-30	1.8 .82	B-31A
1 15/16	VB-331	9752 43377	3.9370 100	1 5/16 33.3	.984 25.0	3/8 9.5	5/16 7.9	2 1/4 57.2	3 1/2 88.9	.080 2.0	T-30	2.3 1.04	B-35A
2 3/16	VB-335	11789 52437	4.3307 110	1 9/16 39.7	1.063 27.0	7/16 11.1	11/32 8.7	2 5/8 66.7	4 1/16 103.2	.080 2.0	T-45	3.1 1.41	B-39A

Metric dimensions for reference only.
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Locking Collar Replacement Tables

Eccentric Locking Collar Table					
Bore Diameter (inch)	Series				Collar No.
	VE-100	VE-200	SLE-100	RUBRE-100	
1/2	VE-108	VE-208	SLE-108	-	ELC-08
5/8	VE-110	VE-210	SLE-110	-	ELC-10
3/4	VE-112	VE-212	SLE-112	RUBRE-112	ELC-12
7/8	VE-114	VE-214	SLE-114	-	ELC-14
15/16	VE-115	VE-215	SLE-115	RUBRE-115	ELC-15
1	VE-116	VE-216	SLE-116	RUBRE-116	ELC-16
1 1/8	VE-118	VE-218	SLE-118	-	ELC-18
1 3/16	VE-119	VE-219	SLE-119	-	ELC-19
1 1/4S	VE-120S	VE-220S	SLE-120S	-	ELC-20S
1 1/4	VE-120	VE-220	SLE-120	-	ELC-20
1 3/8	VE-122	VE-222	SLE-122	-	ELC-22
1 7/16	VE-123	VE-223	SLE-123	-	ELC-23
1 1/2	VE-124	VE-224	SLE-124	-	ELC-24
1 5/8	-	VE-226	-	-	ELC-26
1 11/16	VE-127	VE-227	-	-	ELC-27
1 3/4	VE-128	VE-228	-	-	ELC-28
1 15/16	VE-131	VE-231	-	-	ELC-31
2	VE-132S	-	-	-	ELC-32S
2	VE-132	VE-232	-	-	ELC-32
2 3/16	VE-135	VE-235	-	-	ELC-35
2 1/4	-	VE-236	-	-	ELC-36
2 7/16	-	VE-239	-	-	ELC-39

BOA Locking Collar Table					
Bore Diameter		Standard Duty		Medium Duty	
inch	mm	Insert	Collar	Insert	Collar
3/4 -	- 20	VB-212 VB-20MM	2-012B Lock Collar	-	-
7/8	-	VB-214	2-015 Lock Collar	-	-
15/16	-	VB-215	2-015 Lock Collar	-	-
1 -	- 25	VB-216 VB-25MM	2-015 Lock Collar	VB-316	2-13A Lock Collar
1 1/8	-	VB-218	2-13A Lock Collar	-	-
1 3/16	30	VB-219 VB-30MM	2-13B Lock Collar	VB-319	2-17A Lock Collar
1 1/4*	-	VB-220S	2-13B Lock Collar	-	-
1 1/4	-	VB-220	2-17A Lock Collar	VB-220	2-17A Lock Collar
1 3/8	-	VB-222	2-17B Lock Collar	-	-
1 7/16	35	VB-223 VB-35MM	2-17B Lock Collar	VB-323	2-19A Lock Collar
1 1/2	40	VB-224 VB-40MM	2-19A Lock Collar	VB-324	2-111A Lock Collar
1 5/8	-	VB-226	2-111A Lock Collar	-	-
1 11/16	-	VB-227	2-111B Lock Collar	VB-327	2-115A Lock Collar
1 3/4	45	VB-228 VB-45MM	2-111B Lock Collar	VB-328	2-115A Lock Collar
1 15/16	50	VB-231 VB-50MM	2-115B Lock Collar	VB-331	2-23A Lock Collar
2*	-	VB-232S	2-115B Lock Collar	VB-232S	2-115B Lock Collar
2	-	VB-232	2-23A Lock Collar	VB-232	2-23A Lock Collar
2 3/16	-	VB-235	2-23B Lock Collar	VB-335	2-27A Lock Collar
2 1/4	-	VB-236	2-27A Lock Collar	-	-
2 3/8	60	VB-60MM	2-27B Lock Collar	-	-
2 7/16	-	VB-239	2-27B Lock Collar	-	-

*Reduced Housing

Bearing Selection Page G-3 | Nomenclature Aid Page G-140 | Features & Benefits Page G-143 | Technical Engineering Page G-220

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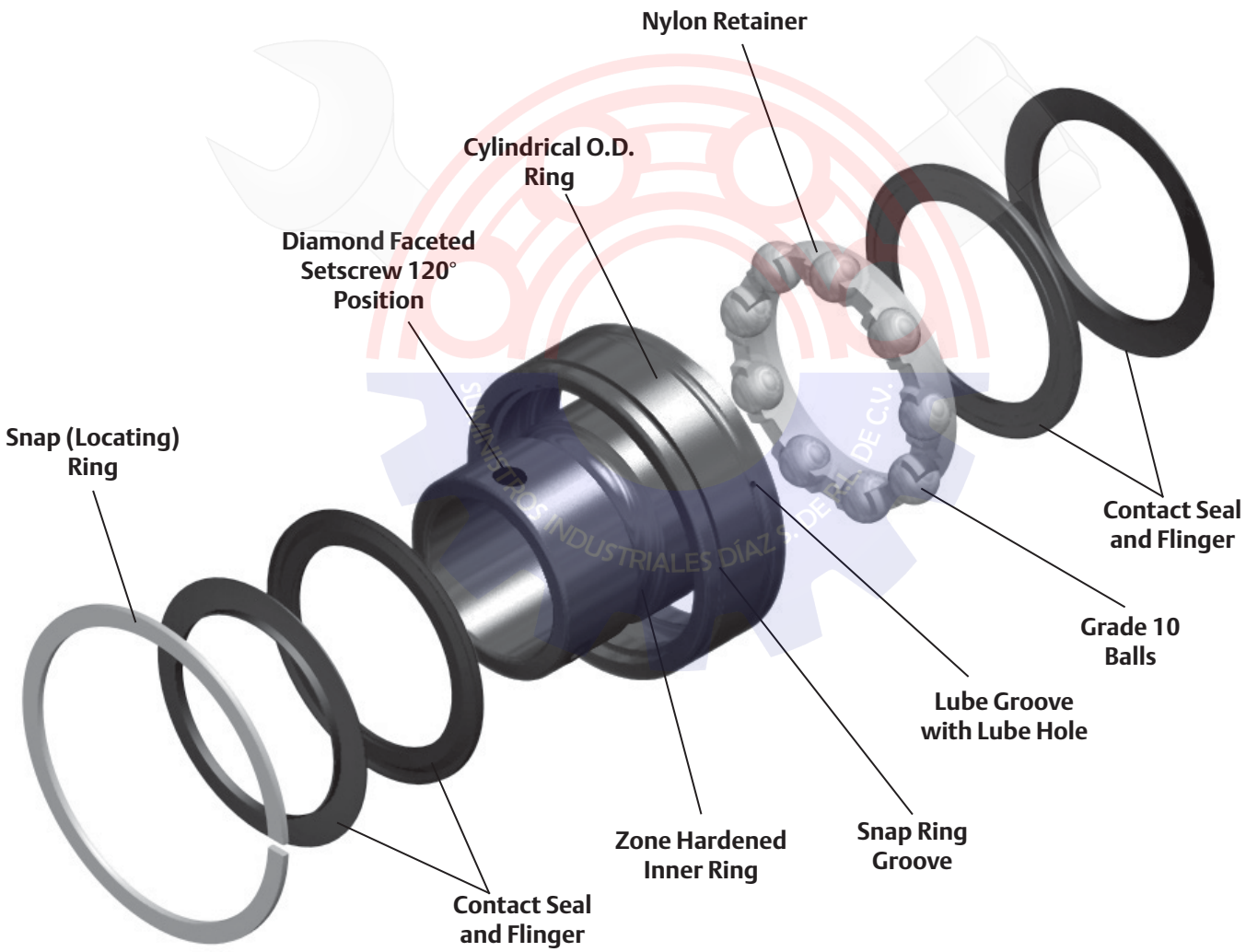
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Cylindrical OD Insert Bearings

Browning VER Style Ball Bearings

Browning VER bearings feature black oxide treated inner and outer rings, and extended inner race bearing with ball riding nylon retainer. Shaft lock is achieved by 120° spaced diamond faceted setscrew locking. The contact seal, with black oxide treated flinger provides a good balance between contaminant resistance, grease loss and friction.



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SUMINISTROS INDUSTRIALES DÍAZ

Browning VER Style Ball Nomenclature

VER - Cylindrical O.D. Bearing With Snap Ring

Duty

2 - Standard Duty - 200 Series

Bore Size

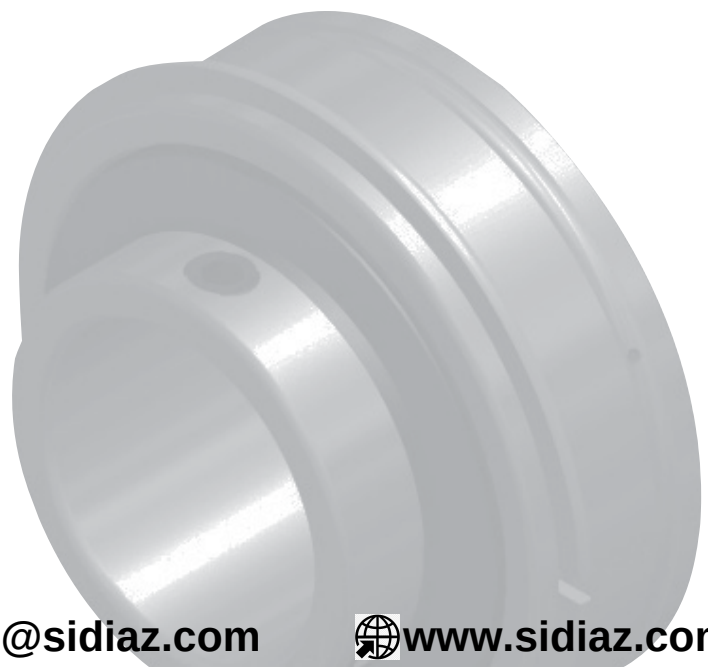
Inch - ##/16 (ex. 20/16 = 1 1/4")

S for 1 1/4" and 2" Reduced

Options

S### # - Special Design

VER - 2 24 S####



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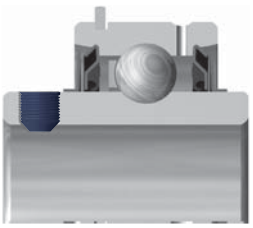
SUMINISTROS INDUSTRIALES DÍAZ

Browning

Cylindrical OD Insert Bearings

Features and Benefits



Setscrew Locking

120° spaced, balanced three point contact minimizes inner ring distortion vibration, reduces noise, and improves reliability. Precision manufactured diamond faceted setscrews contribute to improved clamping and resistance to back out.

Sealing

Positive contract molded nitrile rubber contact seal with an auxiliary flinger element standard. The contact seal allows grease purge and helps keep contamination out of the bearing while the flinger provides a rotating shield that directs contamination away from the seal.

Zone Hardened Inner Race

Browning incorporates a unique heat treat process that hardens the inner race only where it is needed...under the ball path. The zone hardened inner race results in improved lock reliability as a result of less distortion at setscrew location and improved thread conformity resulting in improved clamping and resistance to setscrew back-out.

Identification Marking

Browning VER bearings have the part number laser marked on the inner ring for easy verification of the part number during installation and for replacement.

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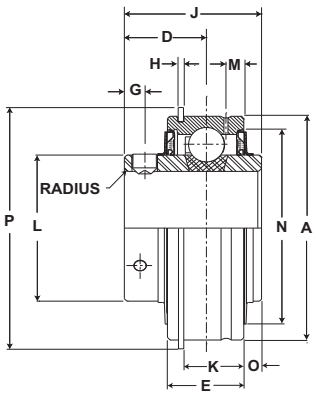
Cylindrical OD Insert Bearings

Browning®

Duty: Standard
Rolling Elements: Ball
Outer: Cylindrical O.D. Outer
Lock: Setscrew
Seal: Contact Seal and Flinger
Temperature: -20° to 200°F
Relube: Through Groove In O.D.



VER 200 Series Standard Duty Cylindrical O.D. Inserts - Setscrew Locking

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Max. Rad. To Clear	Unit Wt. lb/kg
			A	D	G	E	H	J	K	L	N	O	P		
1/2	VER-208	2611	1.8504	23/32	11/64	5/8	3/64	1 7/32	31/64	1 3/16	1 19/32	3/16	2 1/16	.040	.6
5/8	VER-210	11614	47	18.3	4.4	15.9	1.2	31.0	12.3	30.2	40.5	4.8	52.4	1.02	.27
3/4	VER-212														
7/8	VER-214	2801	2.0472	13/16	13/64	3/4	3/64	1 3/8	39/64	1 3/8	1 53/64	3/16	2 17/64	.040	.7
15/16	VER-215	12459	52	20.6	5.2	19.1	1.2	34.9	15.5	34.9	46.4	4.8	57.5	1.02	.32
1	VER-216														
1 1/16	VER-217	4381	2.4409	7/8	7/32	7/8	1/16	1 1/2	11/16	1 19/32	2 3/32	3/16	2 21/32	.040	.9
1 1/8	VER-218	19487	62	22.2	5.6	22.2	1.6	38.1	17.5	40.5	53.2	4.8	67.5	1.02	.41
1 3/16	VER-219														
1 1/4	VER-220S														
1 1/4	VER-220	5782	2.8346	1	7/32	15/16	1/16	1 11/16	3/4	55/64	2 7/16	7/32	3 5/64	.040	1.4
1 3/8	VER-222	25718	72	25.4	5.6	23.8	1.6	42.9	19.1	21.8	61.9	5.6	78.2	1.02	.64
1 7/16	VER-223														
1 1/2	VER-224	7340	3.1496	1 3/16	1/4	1 3/32	1/16	1 15/16	29/32	2 1/16	2 47/64	13/64	3	.062	2
1 9/16	VER-225	32648	80	30.2	6.4	27.8	1.6	49.2	23.0	52.4	69.5	5.2	86.5	1.57	.91
1 5/8	VER-226	7901	3.3465	1 3/16	1/4	1 3/32	1/16	1 15/16	29/32	2 19/64	3	13/64	3 19/32	.062	2.3
1 11/16	VER-227	35144	85	30.2	6.4	27.8	1.6	49.2	23.0	58.3	76.2	5.2	91.3	1.57	1.04
1 3/4	VER-228														
1 15/16	VER-231	7889	3.5433	1 9/32	19/64	1 1/8	3/32	2 1/32	29/32	2 15/32	3 5/32	3/16	3 25/32	.062	2.4
		35090	90	32.5	7.5	28.6	2.4	51.6	23.0	62.7	80.2	4.8	96.0	1.57	1.09
2	VER-232	9752	3.9370	1 5/16	19/64	1 3/16	3/32	2 3/16	31/32	2 23/32	3 15/32	9/32	4 3/16	.080	3
2 3/16	VER-235	43377	100	33.3	7.5	30.2	2.4	55.6	24.6	69.1	88.1	7.1	106.4	2.03	1.36
2 1/4	VER-236	11789	4.3307	1 9/16	19/64	1 1/4	3/32	2 9/16	1 1/32	2 63/64	3 13/16	3/8	4 19/32	.080	4
2 3/8	VER-238	52437	110	39.7	7.5	31.8	2.4	65.1	26.2	75.8	96.8	9.5	116.7	2.03	1.81
2 7/16	VER-239														

Outside diameter may be oversized due to seal press fit.
Metric dimensions for reference only.

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Mounted Ball Bearing Engineering see page G-220.

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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Load Ratings and Life

Life Calculations

The L10 (rating) life for any given application and bearing selection can be calculated in terms of millions of revolutions by using the bearing Basic Dynamic Rating and applied radial load (or, equivalent radial load in the case of radial bearing applications having combined radial and thrust loads). The L10 life for any given application can be calculated in terms of hours, using the bearing Basic Dynamic Rating, applied load (or equivalent radial load) and suitable speed factors, by the following equation:

$$L_{10} = \left(\frac{C}{P}\right)^3 x \frac{1{,}000{,}000}{60 \times n} = \left(\frac{C}{P}\right)^3 x \frac{16667}{n}$$

Where:

L_{10} = The # of hours that 90% of identical bearings under ideal conditions will operate at a specific speed and condition before fatigue is expected to occur.

C = Basic Dynamic Rating (lbs) 1,000,000 Revolutions

P = Constant Equivalent Radial Load (lbs)

n = Speed (RPM)

Additionally, the ABMA provides application factors for all types of bearings which need to be considered to determine an adjusted Rated Life (Lna). L10 life rating is based on laboratory conditions yet other factors are encountered in actual bearing application that will reduce bearing life. Lna life rating takes into account reliability factors, material type, and operating conditions.

$$L_{na} = a_1 \times a_2 \times a_3 \times L_{10}$$

Where:

L_{na} = Adjusted Rated Life.

a_1 = Reliability Factor. Adjustment factor applied where estimated fatigue life is based on reliability other than 90% (See Table 1).

Table 1 Life Adjustment Factor for Reliability

Reliability %	L_{na}	a_1
90	L10	1
95	L5	0.62
96	L4	0.53
97	L3	0.44
98	L2	0.33
99	L1	0.21
50	L50	5

a_2 = Material Factor. Life adjustment for bearing race material. Regal Power Transmission Solutions bearing races are manufactured from bearing quality steel. Therefore the a_2 factor is 1.0.

a_3 = Life Adjustment Factor for Operating Conditions. This factor should take into account the adequacy of lubricant, presence of foreign matter, conditions causing changes in material properties, and unusual loading or mounting conditions. Assuming a properly selected and mounted bearing having adequate seals and lubricant operating below 250°F and tight fitted to the shaft, the a_3 factor should be 1.0.

Mounted bearings are typically "slip fitted" to the shaft and rely on design features such as the inner race length and locking device for support. ABMA recommends an a_3 factor of .456 for "slip fit" ball bearings. See sample calculations on page G-224.

Vibration and shock loading can act as an additional loading to the steady expected applied load. When shock or vibration is present, an a_3 Life Adjustment Factor can be applied. Shock loading has many variables which often are not easily determined. When shock or vibration is present, the following a_3, Life Adjustment Factors are recommended. The shock factor is used in combination with the "slip fit" factor.

The a_3 factor takes into account a wide range of application and mounting conditions as well as bearing features and design. Accurate determination of this factor is normally achieved through testing and in-field experience. Regal Power Transmission Solutions offers a wide range of options which can maximize bearing performance. Consult Application Engineering for more information. See sample calculations on page G-224.

Table 2 Shock/Vibration Factor

Type	a_3 Factor
Steady Loading	1.0
Light Shock/Vibration	.5
Moderate Shock/Vibration	.3

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Load Ratings and Life Continued

Combined Load - Ball Bearings

For applications where a combination of both radial and thrust loads are applied to the bearing the equivalent radial load must be calculated and applied to the L10 life formula.

1. Use Table 3 (below) and Table 4 (page G-228) to identify the relative axial load factor (ND2).
2. Determine the relative axial load (RAL):

$$RAL = \frac{F_a}{ND^2}$$

F_a - applied thrust load
ND^2 - relative axial load factor

3. Match the nearest relative axial load value in Table 3 to the corresponding "e" value. For precise calculation, linearly interpolate the values for "e" for your exact relative axial load value.

Table 3 Equivalent Load Calculation Data - Ball Bearings

Relative Axial Load	e	Fa / Fr ≤ e		Fa / Fr > e	
		x	y	x	y
24.92	0.19	1	0	0.56	2.30
50.03	0.22				1.99
99.91	0.26				1.71
149.35	0.28				1.55
200.10	0.30				1.45
300.15	0.34				1.31
500.25	0.38				1.15
749.65	0.42				1.04
999.05	0.44				1.00

4. Calculate Fa/Fr and compare value to the "e" value found in step #3 above.
5. Choose values for "X" and "Y" based on step #3 & 4 and from Table 3. Linear interpolation is recommended for exact calculations.
6. Calculate equivalent radial load using the following equation:

$$P = XFr + YFa$$

7. Calculate the adjusted life (Lna) using the life calculation formula above.

Variable Load Formula

Root mean load (RML) is to be used when a number of varying loads are applied to a bearing for varying time limits. Maximum loading still must be considered for bearing size selection.

$$RML^* = \sqrt[3]{\frac{(L_1^3 N_1) + (L_2^3 N_2) + (L_3^3 N_3)}{100}}$$

Where:
RML = Root Mean Load (lbs.)
L_1, L_2, etc. = Load in pounds
N_1, N_2, etc. = Percent of total time operated at loads L_1, L_2, etc.

*Apply RML to rating at mean speed to determine resultant life.

Mean Speed Formula

The following formula is to be used when operating speed varies over time.

$$\text{Mean Speed} = \frac{S_1N_1 + S_2N_2 + S_3N_3}{100}$$

S_1S_2, etc = Speeds in RPM
N_1N_2, etc = Percentage of total time operated at speeds S_1S_2, etc

High Load Applications

Applications where the loading approaches the load listed in the rating tables on pages G-230 to G-233 at 5000 hours life and 150/250 RPM, should be reviewed and given special consideration.

Modifications to consider Include:

- Shafting size should be closely controlled for a line to line to a light press fit.
- Skwezloc® Locking Collar or double lock is the preferred lock.
- Lubricants with "EP" extreme pressure additives may be required.
- Care in housing selection, load direction, and mounting techniques should be exercise

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Load Ratings and Life Continued

High Speed Applications

Applications where the speed is in the range of 80-100% of the maximum speeds listed in the rating tables on pages G-230 to G-233, should be reviewed and given special consideration.

Modifications to consider include:

- Shaft size should be controlled to specifications listed in the installation section. See tables above.
- SKWEZLOC Locking Collar and double lock are the preferred lock systems for high speed applications.
- High quality lubricants should be used.
- Grease should be added more frequently and in small amounts. See Page G-254.
- Care in mounting techniques should be exercised. See Page G-246 to G-253.

Bearing Life In Oscillating Applications

The equivalent rotative speed (ERS) is used in life calculations when the bearing does not make complete revolutions during operation. The ERS is then used as the bearing operating speed in the calculation of the L10 (Rating) Life. The formula is based on sufficient angular rotation to have roller paths overlap.

ERS = Equivalent Rotative Speed

N = Total number of degrees per minute through which the bearing will rotate.

$$ERS = \frac{N}{360}$$

In the above formula, allowance is made for the total number of stress applications on the weakest race per unit time, which, in turn, determines fatigue life and the speed factors. The theory behind fretting corrosion is best explained by the fact that the rolling elements in small angles of oscillation retrace a path over an unchanging area of the inner or outer races where the lubricant is prevented by inertia from flowing in behind the roller as the bearing oscillates in one direction. Upon reversal, this small area of rolling contact is traversed by the same roller in the dry state. The friction of the two unlubricated surfaces causes fretting corrosion and produces failures which are unpredictable from a normal life standpoint.

With a given bearing selected for an oscillating application, the best lubrication means is a light mineral oil under positive flow conditions. With a light oil, there is a tendency for all areas in the bearing load zone to be immersed in lubricant at all times. The full flow lubrication dictates that any oxidized material which may form is immediately carried away by the lubricant, and since these oxides are abrasive, further wear tends to be avoided. If grease lubrication must be used, it is best to consult with either the bearing manufacturer or the lubricant manufacturer to determine the best possible type of lubricant. Greases have been compounded to resist the detrimental effect of fretting corrosion for such applications.

Static Load Rating

The "static load rating" for rolling element bearings is that uniformly distributed static radial load acting on a non-rotating bearing, which produces a contact stress of 580,000 psi at the center of the most heavily loaded rolling element. At this stress level, plastic deformation begins to be significant. Experience has shown that the plastic deformation at this stress level can be tolerated in most bearing applications without impairment of subsequent bearing operation. In certain applications where subsequent rotation of the bearing is slow and where smoothness and friction requirements are not too exacting, a higher static load limit can be tolerated. Where extreme smoothness is required or friction requirements are critical, a lower static load limit may be necessary.

Minimum Bearing Load

Skidding, or sliding, of the rolling elements on the raceway instead of a true rolling motion can cause excessive wear. Applications with high speeds and light loading are particularly prone to skidding. As a general guideline, rolling element bearings should be radially loaded at least 1% of Basic Dynamic Rating for ball bearings. For applications where load is light relative to the bearings dynamic load rating, consult Application Engineering for assistance.

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Load Ratings and Life Continued

Computing Bearing Loads

In the computation of bearing loads in any application of a Regal Power Transmission Solutions unit, the principal factor determining the selection of the unit is the equivalent radial load to which the bearing will be subjected. These radial loads result from any one or any combination of the following sources:

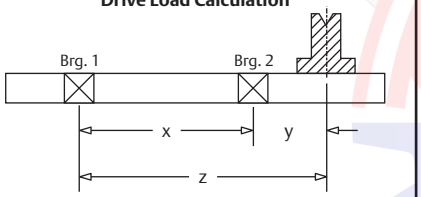
1. Weights of machine parts supported by bearings.
2. Tension due to belt or chain pull.
3. Centrifugal force from out of balance, eccentric or cam action.

The resulting load from any one, or any combination of the above sources is further determined by knowing:

1. The magnitude of the load.
2. Direction of the load.
3. The point of load application.
4. The distance between bearing centers.

Bearing loads are the result of force acting on the shaft. Direction, magnitude, and location with respect to the bearings must be considered when calculating bearing loads. The following cases are typical examples of loads encountered and methods of calculating bearing loads.

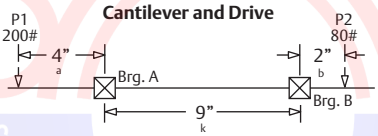
CASE #1
Drive Load Calculation



$$P = \frac{126{,}000 \times HP}{RPM \times d} \times K$$ = Apply P to Case 2, 3 or 4 if applicable

HP = horsepower
RPM = revolutions per minute
d = pitch of pulley in inches
K = constant for type of drive used
K = 1.5 for V-belts
K = 2 to 3 for flat transmission belts
K = 1.1 for chain drives

CASE #2
Cantilever and Drive



$$\text{Load on Bearing A} = \frac{P_1 \times (a + k) - (P_2 \times b)}{k}$$

$$= \frac{200 \times (4 + 9) - (80 \times 2)}{9}$$

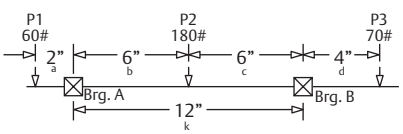
= 271 lbs.

$$\text{Load on Bearing B} = \frac{P_2 \times (k + b) - (P_1 \times a)}{k}$$

$$= \frac{80 \times (9 + 2) - (200 \times 4)}{9}$$

= 9 lbs.

CASE #3
Straddle, Cantilever Drive



$$\text{Load on Bearing A} = \frac{P_1 \times (k + a) + (P_2 \times c) - (P_3 \times d)}{k}$$

$$= \frac{60 \times (12 + 2) + (180 \times 6) - (70 \times 4)}{12}$$

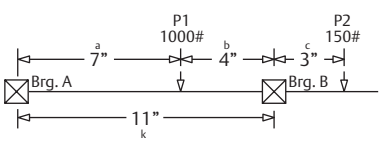
= 137 lbs.

$$\text{Load on Bearing B} = \frac{-(P_1 \times a) + (P_2 + b) + P_3 \times (k + d)}{k}$$

$$= \frac{-(60 \times 2) + (180 \times 6) + 70 \times (12 + 4)}{12}$$

= 173 lbs.

CASE #4
Straddle Mount, Cantilever Drive



$$\text{Load on Bearing A} = \frac{(P_1 \times b) - (P_2 \times c)}{k}$$

$$= \frac{(1000 \times 4) - (150 \times 3)}{11}$$

= 323 lbs.

$$\text{Load on Bearing B} = \frac{(P_1 \times a) + (c + k) \times (P_2)}{k}$$

$$= \frac{(1000 \times 7) + (3 + 11) \times (150)}{11}$$

= 827 lbs.

CASE #5
Vibrating Drives

Load due to Centrifugal and Inertial Forces - In a shaker or gyrating screen bearing application, the load on the bearings is increased by sudden stopping, starting, and reversing of typically large loads. This can be expressed as a basic physical law:

Force = Mass x Accelerations

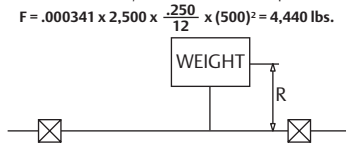
In order to use this law, we develop from it the following equation:

$$F = .000341 \times WR(RPM)^2$$

Where: F = Load of force in lbs.
W = Weight of rotating mass in lbs.
R = Radius of rotation or throw in feet
RPM = Shaft rotation in revolutions per minute

What is the centrifugal bearing load on a shaker screen which weighs 2,500 lbs., has a throw of 1/4 in. and whose shaft speed is 500 RPM?

$$F = .000341 \times 2{,}500 \times \frac{.250}{12} \times (500)^2 = 4{,}440 \text{ lbs.}$$



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Load Ratings and Life Continued

Mounted Ball Bearing Selection - New Applications:

Using variations of the life formulas and application information, it is possible to select bearings based on desired life, load applied, and shaft speed. **This method can only be applied where axial load is less than or equal to 1/2 the radial load.**

1. Determine required application hours (Lna).

2. Calculate L_{10} using adjustment factors:

$$L_{10} = \frac{L_a}{a_1 \times a_2 \times a_3}$$

3. Calculate Basic Dynamic Radial Rating (Creq).

$$Creq = P \times \left(\frac{L_{10} \times N}{16{,}667} \right)^{1/3}$$

P = Constant Equivalent Radial Load (lbs)
N = Speed (RPM)

4. Use Table No. 4 and 5 on page G-227 to G-229, find a basic Dynamic Radial Rating Value greater than or equal to Creq calculated in step # 3.

5. Select any bearing from the row in step # 4 or larger. If Creq is greater than the largest Basic Dynamic Radial Rating Value of Table No. 4 or 5, go to the Mounted Roller Bearing Section H and I.

6. If Ball bearing is selected, proceed with housing, seal, and lock selection.

Typical operating temperature range for standard bearings is -20° to 200° F for Browning and -20°F to 220°F for Sealmaster Gold. For operating temperatures outside this range, contact Application Engineering. For Maximum speed information, see tables on pages G-235 and G-243

Application Examples:

Example #1 - Pure Radial Load

Question #1:
What is the adjusted bearing life (L_{na} hours) for an NP-39 Sealmaster Ball Bearing with no shock conditions and the following application criteria?

Design Load (P) = 1300 lbs.
Speed (n) = 1000 RPM
Shaft Size = 2 7/16 in.
Operating Temp. = 125°F

Solution:
1. Begin with the L_{10} life formula:

$$L_{10} = (C/P)^3 \times \frac{16667}{n}$$

Look up the insert of an NP-39 on page G-31. From Table No. 4 on page G-228, the Basic Dynamic Radial Rating is 11,789 lbs.

$$L_{10} = \left(\frac{11789}{1300} \right)^3 \times \frac{16667}{1000} = \mathbf{12{,}430\ hours}$$

2. Apply the life adjustment factors:

L_{na} hours = $L_{10} \times a_1 \times a_2 \times a_3$
L_{na} hours = 12,430 x 1 x 1 x 0.456
L_{na} hours = 5,700 hours

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Load Ratings and Life Continued

Question #2:
What is the adjusted bearing life (L10 hours) for an NP-39 Sealmaster Ball Bearing with moderate shock conditions and the same applications criteria from above?

Solution:
1. From Table 2 on page G-221:

a_3 = 0.5 x 0.456

2. Re-Apply the life adjustment factors to the previously calculated L_{10} life:

L_{na} hours = $L_{10} \times a_1 \times a_2 \times a_3$
L_{na} hours = 12,430 x 1 x 1 x (0.5 x 0.456)
L_{na} hours = 2,830 hours

Example #2 - Combined Radial and Thrust Load

Question #1:
What is the adjusted bearing life (L_{na} hours) for an NP-39 Sealmaster Ball Bearing with no shock conditions and the following application criteria?

Design Radial Load (F_r)	=	500 lbs.
Design Thrust Load (F_a)	=	1000 lbs.
Speed (n)	=	1000 RPM
Shaft Size	=	2 7/16 in.
Operating Temperature	=	125°F

Solution:
1. Calculate F_a/F_r = 1000/500 = 2
2. Look up the insert of an NP-39 on page G-31. From Table 4 on page G-228, ND^2 is 3.969 lbs and Basic Dynamic Rating is 11,789 lbs.
3. Begin by calculating the Relative Axial Load (RAL):

$$\text{RAL} = \frac{F_a}{ND^2} = \frac{1000}{3.9690} = 251 \text{ lbs.}$$

4. From Table 3 on page G-222, interpolate RAL between 200.10 and 300.15 and "e" between 0.30 and 0.34 to obtain "e" value:

$$\frac{251 - 200.10}{300.15 - 200.10} = \frac{e - 0.30}{0.34 - 0.30}$$

Therefore e = .32

5. From Table 3 on page G-222, determine the value of "X" and "Y" through interpolation. Interpolate "e" between 0.30 and 0.34 and "Y" between 1.45 and 1.31 because $F_a/F_r > e$

$$\frac{0.32 - 0.30}{0.34 - 0.30} = \frac{Y - 1.45}{1.31 - 1.45}$$

Therefore Y = 1.38 and X = .56

6. Determine the equivalent radial load (P)

$P = (X F_r) + (Y F_a)$
$= (0.56 \times 500) + (1.38 \times 1000) = 1660$ lbs.
$L_{10} = (C/P)^3 \times \frac{16667}{n}$

Look up the insert of an NP-39 on page G-31. From Table 4 on page G-228, the Basic Dynamic Rating is 11,789 lbs.

$$L_{na} = .456 \times \left(\frac{11789}{1660}\right)^3 \times \frac{16667}{1000} = 2722 \text{ hours}$$

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Bearing Load Rating Tables

Table 4 - Sealmaster Ball Bearing Load Ratings

Series	Standard Duty, ER and Material Handling						Medium Duty			Basic Dynamic Rating		Basic Static Rating		Relative Axial Load Factor (ND^2)		Thrust Rating	
	Bore Diameter		Unit Size	Standard Duty	ER	Material Handling	Bore Diameter		Medium Duty								
	inch	mm		Insert		Insert	inch	mm	Insert	lb	N	lb	N	lb	N	lb	N
2-012	1/2	-	8	2-08	ER-8	-	-	-	-	2611	11614	1444	6423	.706	3.1	741	3296
	9/16	-	9	2-09	ER-9	-	-	-	-								
	5/8	-	10	2-010	ER-10	-	-	-	-								
	11/16	-	11	2-011	ER-11	-	-	-	-								
	3/4	-	12	2-012	ER-12	MH-12	-	-	-								
	-	20	204	5204	ER-204	MH-204	-	-	-								
2-015	13/16	-	13	2-013	ER-13	-	-	-	-	2801	12459	1651	7344	.784	3.5	490	2180
	7/8	-	14	2-014	ER-14	-	-	-	-								
	15/16	-	15	2-015	ER-15	-	-	-	-								
	-	25	205	5205	ER-205	MH-205	-	-	-								
	1	-	16	2-1	ER-16	MH-16	-	-	-								
2-13	1 1/16	-	17	2-11	ER-17	-	15/16	-	3-015	4381	19488	2567	11419	1.300	5.8	1177	5236
	1 1/8	-	18	2-12	ER-18	-	-	25	5305								
	-	30	206	5206	ER-206	MH-206	1	-	3-1								
	1 3/6	-	19	2-13	ER-19	MH-19	-	-	-								
	1 1/4	-	20R	1-14	ER-20R	MH-20R	-	-	-								
2-17	1 1/4	-	20	2-14	ER-20	MH-20	-	30	5306	5782	25719	3493	15538	1.742	7.8	1709	7602
	1 5/16	-	21	2-15	ER-21	-	1 3/16	-	3-13								
	1 3/8	-	22	2-16	ER-22	-	-	-	-								
	-	35	207	5207	ER-207	-	-	-	-								
	1 7/16	-	23	2-17	ER-23	MH-23	-	-	-								
2-19	1 1/2	-	24	2-18	ER-24	MH-24	-	35	5307	7340	32650	4467	19870	2.250	10.0	2254	10026
	1 9/16	-	25	2-19	ER-25	-	1 7/16	-	3-17								
	-	40	208	5208	ER-208	-	-	-	-								
2-111	1 5/8	-	26	2-110	ER-26	-	1 1/2	-	3-18	7901	35145	5139	22859	2.500	11.1	2350	10453
	1 11/16	-	27	2-111	ER-27	MH-27	-	40	5308								
	1 3/4	-	28	2-112	ER-28	-	-	-	-								
	-	45	209	5209	ER-209	-	-	-	-								
2-115	1 13/16	-	29	2-113	ER-29	-	1 11/16	-	3-111	7889	35092	5216	23202	2.500	11.1	2350	10453
	1 7/8	-	30	2-114	ER-30	-	1 3/4	-	3-112								
	1 15/16	-	31	2-115	ER-31	MH-31	-	45	5309								
	-	50	210	5210	ER-210	MH-210	-	-	-								
	2	-	32R	1-2	ER-32R	-	-	-	-								

Setscrew locking standard duty, ER cylindrical O.D., Material Handling and Medium Duty bearing are shown.
For Skwezloc and Double Setscrew Locking use the equivalent setscrew lock rating in the table. Example:. 2-1, 2-1D and 2-1T all use the 2-015 series rating
For RB inserts use the equivalent ER series bearing listed to determine the capacity. Ex: RB-16, use ER-1

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Table 4 - Sealmaster Ball Bearing Load Ratings continued

Series	Standard Duty, ER and Material Handling						Medium Duty			Basic Dynamic Rating		Basic Static Rating		Relative Axial Load Factor (ND^2)		Thrust Rating	
	Bore Diameter		Unit Size	Standard Duty	ER	Material Handling	Bore Diameter		Medium Duty								
	inch	mm		Insert		Insert	inch	mm	Insert	lb	N	lb	N	lb	N	lb	N
2-23	2	-	32	2-2	ER-32	MH-32	1 15/16	-	3-115	9752	43379	6601	29363	3.316	14.8	2886	12838
	2 1/8	-	34	2-22	ER-34	-	-	50	5310								
	-	55	211	5211	ER-211	-	-	-	-								
	2 3/16	-	35	2-23	ER-35	MH-35	-	-	-								
2-27	2 1/4	-	36	2-24	ER-36	-	-	55	5311	11789	52440	8150	36253	3.969	17.7	4105	18260
	-	60	212	5212	ER-212	-	2 3/16	-	3-23								
	2 3/8	-	38	2-26	ER-38	-	-	-	-								
	2 7/16	-	39	2-27	ER-39	MH-39	-	-	-								
2-211	2 1/2	-	40	-	ER-40	-	2 7/16	-	3-27	13971	62146	10063	44762	4.761	21.2	4503	20030
	2 11/16	-	43	2-211	ER-43	-	2 1/2	-	3-28								
	-	70	214	5214	ER-214	-	-	65	5313								
2-215	2 7/8	-	46	2-214	ER-46	-	2 11/16	-	3-211	14839	66007	11224	49927	5.237	23.3	5207	23162
	2 15/16	-	47	2-215	ER-47	-	-	70	5314								
	-	75	215	5215	ER-215	-	-	-	-								
2-33	3	-	48	-	ER-48	-	2 15/16	-	3-215	17412	77452	13174	58601	6.188	27.5	6032	26832
	-	80	216	5216	ER-216	-	-	75	5315								
	3 3/16	-	51	2-33	ER-51	-	3	-	3-3								
2-37	3 1/4	-	52	2-34	ER-52	-	-	80	5316	18681	83097	14496	64481	6.692	29.8	7474	33246
	3 3/8	-	54	2-36	ER-54	-	3 3/16	-	3-33								
	3 7/16	-	55	2-37	ER-55	-	-	-	-								
2-38	3 1/2	-	56	2-38	-	-	3 7/16	-	3-37	21566	95930	16301	72510	7.744	34.4	7839	34869
	-	90	218	5218		-	-	-	-								
2-43	3 15/16	-	63	-	ER-63	-	3 15/16	-	3-315	29905	133023	23553	104768	11.236	50.0	11097	49362
	-	100	-	-	-	-	-	100	5320								
	4	-	64	-	ER-64	-	4	-	3-4								
3-47	-	-	-	-	-	-	4 7/16	-	3-47	37482	166727	33267	147978	15.625	69.5	16697	74272
	-	-	-	-	-	-	4 15/16	-	3-415								

Setscrew locking standard duty, ER cylindrical O.D., Material Handling and Medium Duty bearing are shown.
For Skwezloc and Double Setscrew Locking use the equivalent setscrew lock rating in the table. Example:. 2-1, 2-1D and 2-1T all use the 2-015 series rating
For RB inserts use the equivalent ER series bearing listed to determine the capacity. Ex: RB-16, use ER-16

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Table 5 - Browning Ball Bearing Load Ratings

Series	100, 200 & VER Bore Diameter		100 Series	200 Series	VER	300 Series Bore Diameter	300 Series Insert	Basic Dynamic Rating		Basic Static Rating		Relative Axial Load Factor (ND^2)		Thrust Rating	
	inch	mm	Insert	Insert		inch		lb	N	lb	N	lb	N	lb	N
L-10	1/2	-	VS-108	VS-208	-	-	-	2108	9377	1117	4969	.563	2.5	320	1423
2-012		-	-	-	VER-208	-	-	2611	11614	1444	6423	.706	3.1	741	3296
L-10	5/8	-	VS-110	VS-210	-	-	-	2108	9377	1117	4969	.563	2.5	320	1423
2-012			-	-	VER-210	-	-	2611	11614	1444	6423	.706	3.1	741	3296
2-012	3/4	-	VS-112	VS-212	VER-212	-	-	2611	11614	1444	6423	.706	3.1	741	3296
	-	20	-	VS-20MM	-	-	-								
2-015	7/8	-	VS-114	VS-214	VER-214	-	-	2801	12459	1651	7344	.784	3.5	490	2180
	15/16	-	VS-115	VS-215	VER-215	-	-								
	-	25	-	VS-25MM	-	-	-								
	1	-	VS-116	VS-216	VER-216	-	-								
2-13	1 1/8	-	VS-118	VS-218	VER-217	1	VS-316	4381	19488	2567	11419	1.300	5.8	1177	5236
	-	30	-	VS-30MM	-										
	1 3/16	-	VS-119	VS-219	VER-219										
	1 1/4S	-	VS-120S	VS-220S	VER-220S										
2-17	1 1/4	-	VS-120	VS-220	VER-220	1 3/16	VS-319	5782	25719	3493	15538	1.742	7.8	1709	7602
	1 3/8	-	VS-122	VS-222	VER-222										
	-	35	-	VS-35MM	-										
	1 7/16	-	VS-123	VS-223	VER-223										
2-19	1 1/2	-	VS-124	VS-224	VER-224	1 7/16	VS-323	7340	32650	4467	19870	2.250	10.0	2254	10026
	1 9/16	-	-	-	VER-225										
	-	40	-	VS-40MM	-										
2-111	1 5/8	-	VS-126	VS-226	VER-226	1 1/2	VS-324	7901	35145	5139	22859	2.500	11.1	2350	10453
	1 11/16	-	VS-127	VS-227	VER-227										
	1 3/4	-	VS-128	VS-228	VER-228										
	-	45	VS-45MM	VS-45MM	-										
2-115	1 15/16	-	VS-131	VS-231	VER-231	1 11/16	VS-327	7889	35092	5216	23202	2.500	11.1	2350	10453
	-	50	-	VS-50MM	-										
	2	-	VS-132S	VS-232S	-	1 3/4	VS-328								
2-23	2		VS-132	VS-232	VER-232	1 15/16	VS-331	9752	43379	6601	29363	3.316	14.8	2886	12838
		55	-	VS-55MM	-										
	2 3/16		VS-135	VS-235	VER-235										
2-27	2 1/4	-	-	VS-236	VER-236	2 3/16	VS-335	11789	52440	8150	36253	3.969	17.7	4105	18260
	-	60	-	VS-60MM	-										
	2 3/8	-	-	-	VER-238										
	2 7/16	-	-	VS-239	VER-239										

Setscrew locking 100, 200, 300 series and VER's shown.
For VE-100, RUBRE-100, RUBRS-100, SLS-100, LE-100, LR-100, LRS-100, LS-100 use equivalent ratings and factors for respective 100 series bore.
For VB-200, VE-200 equivalent ratings and factors for respective 200 series bore.
For VB-300 equivalent ratings and factors for respective 300 series bore.

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Load and Speed

1. Table 6 displays the Sealmaster Gold and Material Handling ball bearing load capacities for a given L10 life, speed and shaft size.

2. Values in Table 6 represent radial loads at ideal conditions with press fit mounting to the shaft. ABMA recommends de-rating of slip fit mounted bearings. Elevated operating temperatures can reduce the load capacity of bearing steel where a material de-rating is also recommended.

   a. For operating temperatures up to 200°F, divide the value in the load table by 1.3 to obtain the slip fit derated value.

   b. For units designed for operating temperatures 200°F to 400°F, divide the value in the load table by 1.5 to obtain the slip fit/elevated temperature de-rate value.

   c. Values in Table 6 represent equivalent radial loads only. For combined radial/thrust loads see page G-222.

3. The gray shaded area indicates the maximum speed ratings for Skwezloc concentric locking collar and double setscrew lock bearings (applicable on sizes available). All speeds listed are for the standard felt seal. For speed ratings using alternate seals, see pages G-235 to G-240.

4. The double line indicates the maximum speed ratings of material handling bearings.

5. The blue shaded area represents maximum recommended load for given operating speed based on load of 25% BDR. It is NOT recommended to exceed these loads in general industrial applications. See note on page G-222 for high load applications.

6. Areas designated by "-" exceed maximum value for standard bearings. See note on page G-223.

7. Consult Application Engineering for load and speed applications not covered in this table.

Table 6 - Load/Speed Chart – Sealmaster Ball Bearings

Series	L10 Hours	Revolutions Per Minute																			
		50	150	500	1000	1250	1500	1750	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7500	8000	10000
2-012	5000	652	652	491	390	362	341	324	310	287	270	257	246	236	228	221	215	209	199	195	181
	10000	652	583	390	310	287	270	257	246	228	215	204	195	188	181	175	170	166	158	155	144
	30000	583	404	270	215	199	188	178	170	158	149	141	135	130	126	122	118	115	110	107	100
	50000	491	341	228	181	168	158	150	144	133	126	119	114	110	106	103	100	97	92	91	84
	100000	390	270	181	144	133	126	119	114	106	100	95	91	87	84	81	79	77	73	72	67
2-015	5000	700	700	527	418	388	366	347	332	308	290	276	264	253	245	237	230	224	214	209	-
	10000	700	625	418	332	308	290	276	264	245	230	219	209	201	194	188	183	178	170	166	-
	30000	625	433	290	230	214	201	191	183	170	160	152	145	139	135	130	127	123	118	115	-
	50000	527	366	245	194	180	170	161	154	143	135	128	122	118	114	110	107	104	99	97	-
	100000	418	290	194	154	143	135	128	122	114	107	102	97	93	90	87	85	83	79	77	-
2-13	5000	1,095	1,095	825	654	608	572	543	519	482	454	431	412	396	383	371	360	351	334	327	-
	10000	1,095	978	654	519	482	454	431	412	383	360	342	327	315	304	294	286	278	265	260	-
	30000	978	678	454	360	334	315	299	286	265	250	237	227	218	211	204	198	193	184	180	-
	50000	825	572	383	304	282	265	252	241	224	211	200	191	184	178	172	167	163	155	152	-
	100000	654	454	304	241	224	211	200	191	178	167	159	152	146	141	137	133	129	123	121	-
2-17	5000	1,446	1,446	1,088	864	802	755	717	686	636	599	569	544	523	505	489	475	463	-	-	-
	10000	1,446	1,290	864	686	636	599	569	544	505	475	452	432	415	401	388	377	367	-	-	-
	30000	1,290	895	599	475	441	415	394	377	350	330	313	299	288	278	269	262	255	-	-	-
	50000	1,088	755	505	401	372	350	333	318	295	278	264	253	243	234	227	221	215	-	-	-
	100000	864	599	401	318	295	278	264	253	234	221	210	200	193	186	180	175	171	-	-	-
2-19	5000	1,835	1,835	1,381	1,096	1,018	958	910	870	808	760	722	691	664	641	621	-	-	-	-	-
	10000	1,835	1,638	1,096	870	808	760	722	691	641	603	573	548	527	509	493	-	-	-	-	-
	30000	1,638	1,136	760	603	560	527	501	479	445	418	397	380	365	353	342	-	-	-	-	-
	50000	1,381	958	641	509	472	445	422	404	375	353	335	321	308	298	288	-	-	-	-	-
	100000	1,096	760	509	404	375	353	335	321	298	280	266	254	245	236	229	-	-	-	-	-
2-111	5000	1,975	1,975	1,487	1,180	1,096	1,031	979	937	870	818	777	744	715	690	-	-	-	-	-	-
	10000	1,975	1,763	1,180	937	870	818	777	744	690	650	617	590	567	548	-	-	-	-	-	-
	30000	1,763	1,222	818	650	603	567	539	516	479	450	428	409	393	380	-	-	-	-	-	-
	50000	1,487	1,031	690	548	509	479	455	435	404	380	361	345	332	320	-	-	-	-	-	-
	100000	1,180	818	548	435	404	380	361	345	320	301	286	274	263	254	-	-	-	-	-	-

How to Read the Table
Example A: For a 1" standard duty ball bearing operating at 1000 RPM and desired 100,000 hours L10 life, 154 Lbs is the maximum allowable radial load.
Example B: If 230 lbs of radial load is applied to a 1" standard duty shaft operating at 1000 RPM, the resulting L10 life is 30,000 hours.

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Table 6 - Load/Speed Chart – Sealmaster Ball Bearings continued

Series	L10 Hours	Revolutions Per Minute																			
		50	150	500	1000	1250	1500	1750	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7500	8000	10000
2-115	5000	1,972	1,972	1,485	1,178	1,094	1,029	978	935	868	817	776	742	714	689	-	-	-	-	-	-
	10000	1,972	1,760	1,178	935	868	817	776	742	689	649	616	589	567	547	-	-	-	-	-	-
	30000	1,760	1,221	817	649	602	567	538	515	478	450	427	409	393	379	-	-	-	-	-	-
	50000	1,485	1,029	689	547	508	478	454	434	403	379	360	345	331	320	-	-	-	-	-	-
	100000	1,178	817	547	434	403	379	360	345	320	301	286	273	263	254	-	-	-	-	-	-
2-23	5000	2,438	2,438	1,835	1,457	1,352	1,273	1,209	1,156	1,073	1,010	959	918	882	-	-	-	-	-	-	-
	10000	2,438	2,176	1,457	1,156	1,073	1,010	959	918	852	802	762	728	700	-	-	-	-	-	-	-
	30000	2,176	1,509	1,010	802	744	700	665	636	591	556	528	505	486	-	-	-	-	-	-	-
	50000	1,835	1,273	852	676	628	591	561	537	498	469	445	426	410	-	-	-	-	-	-	-
	100000	1,457	1,010	676	537	498	469	445	426	395	372	353	338	325	-	-	-	-	-	-	-
2-27	5000	2,947	2,947	2,219	1,761	1,635	1,538	1,461	1,398	1,298	1,221	1,160	1,109	-	-	-	-	-	-	-	-
	10000	2,947	2,631	1,761	1,398	1,298	1,221	1,160	1,109	1,030	969	921	881	-	-	-	-	-	-	-	-
	30000	2,631	1,824	1,221	969	900	847	804	769	714	672	638	611	-	-	-	-	-	-	-	-
	50000	2,219	1,538	1,030	817	759	714	678	649	602	567	538	515	-	-	-	-	-	-	-	-
	100000	1,761	1,221	817	649	602	567	538	515	478	450	427	409	-	-	-	-	-	-	-	-
2-211	5000	3,493	3,493	2,629	2,087	1,937	1,823	1,732	1,656	1,538	1,447	1,375	-	-	-	-	-	-	-	-	-
	10000	3,493	3,118	2,087	1,656	1,538	1,447	1,375	1,315	1,220	1,149	1,091	-	-	-	-	-	-	-	-	-
	30000	3,118	2,162	1,447	1,149	1,066	1,003	953	912	846	796	756	-	-	-	-	-	-	-	-	-
	50000	2,629	1,823	1,220	969	899	846	804	769	714	672	638	-	-	-	-	-	-	-	-	-
	100000	2,087	1,447	969	769	714	672	638	610	567	533	506	-	-	-	-	-	-	-	-	-
2-215	5000	3,710	3,710	2,793	2,217	2,058	1,936	1,839	1,759	1,633	1,537	-	-	-	-	-	-	-	-	-	-
	10000	3,710	3,311	2,217	1,759	1,633	1,537	1,460	1,396	1,296	1,220	-	-	-	-	-	-	-	-	-	-
	30000	3,311	2,296	1,537	1,220	1,132	1,066	1,012	968	899	846	-	-	-	-	-	-	-	-	-	-
	50000	2,793	1,936	1,296	1,029	955	899	854	817	758	713	-	-	-	-	-	-	-	-	-	-
	100000	2,217	1,537	1,029	817	758	713	678	648	602	566	-	-	-	-	-	-	-	-	-	-
2-33	5000	4,353	4,353	3,277	2,601	2,415	2,272	2,158	2,064	1,916	1,803	-	-	-	-	-	-	-	-	-	-
	10000	4,353	3,885	2,601	2,064	1,916	1,803	1,713	1,639	1,521	1,431	-	-	-	-	-	-	-	-	-	-
	30000	3,885	2,694	1,803	1,431	1,329	1,250	1,188	1,136	1,055	992	-	-	-	-	-	-	-	-	-	-
	50000	3,277	2,272	1,521	1,207	1,121	1,055	1,002	958	890	837	-	-	-	-	-	-	-	-	-	-
	100000	2,601	1,803	1,207	958	890	837	795	761	706	664	-	-	-	-	-	-	-	-	-	-
2-37	5000	4,670	4,670	3,516	2,791	2,591	2,438	2,316	2,215	2,056	1,935	-	-	-	-	-	-	-	-	-	-
	10000	4,670	4,169	2,791	2,215	2,056	1,935	1,838	1,758	1,632	1,536	-	-	-	-	-	-	-	-	-	-
	30000	4,169	2,890	1,935	1,536	1,426	1,342	1,274	1,219	1,132	1,065	-	-	-	-	-	-	-	-	-	-
	50000	3,516	2,438	1,632	1,295	1,202	1,132	1,075	1,028	954	898	-	-	-	-	-	-	-	-	-	-
	100000	2,791	1,935	1,295	1,028	954	898	853	816	757	713	-	-	-	-	-	-	-	-	-	-
2-38	5000	5,392	5,392	4,059	3,222	2,991	2,814	2,673	2,557	2,374	-	-	-	-	-	-	-	-	-	-	-
	10000	5,392	4,812	3,222	2,557	2,374	2,234	2,122	2,029	1,884	-	-	-	-	-	-	-	-	-	-	-
	30000	4,812	3,337	2,234	1,773	1,646	1,549	1,471	1,407	1,306	-	-	-	-	-	-	-	-	-	-	-
	50000	4,059	2,814	1,884	1,495	1,388	1,306	1,241	1,187	1,102	-	-	-	-	-	-	-	-	-	-	-
	100000	3,222	2,234	1,495	1,187	1,102	1,037	985	942	874	-	-	-	-	-	-	-	-	-	-	-
2-43	5000	7,476	7,476	5,628	4,467	4,147	3,902	3,707	3,546	-	-	-	-	-	-	-	-	-	-	-	-
	10000	7,476	6,673	4,467	3,546	3,291	3,097	2,942	2,814	-	-	-	-	-	-	-	-	-	-	-	-
	30000	6,673	4,627	3,097	2,458	2,282	2,148	2,040	1,951	-	-	-	-	-	-	-	-	-	-	-	-
	50000	5,628	3,902	2,612	2,074	1,925	1,811	1,721	1,646	-	-	-	-	-	-	-	-	-	-	-	-
	100000	4,467	3,097	2,074	1,646	1,528	1,438	1,366	1,306	-	-	-	-	-	-	-	-	-	-	-	-
3-47	5000	9,371	9,371	7,054	5,599	5,198	4,891	4,646	-	-	-	-	-	-	-	-	-	-	-	-	-
	10000	9,371	8,364	5,599	4,444	4,125	3,882	3,688	-	-	-	-	-	-	-	-	-	-	-	-	-
	30000	8,364	5,799	3,882	3,081	2,860	2,692	2,557	-	-	-	-	-	-	-	-	-	-	-	-	-
	50000	7,054	4,891	3,274	2,599	2,413	2,270	2,157	-	-	-	-	-	-	-	-	-	-	-	-	-
	100000	5,599	3,882	2,599	2,063	1,915	1,802	1,712	-	-	-	-	-	-	-	-	-	-	-	-	-

See notes on top of page G-230.

How to Read the Table

Example A: For a 1" standard duty ball bearing operating at 1000 RPM and desired 100,000 hours L10 life, 154 Lbs is the maximum allowable radial load.

Example B: If 230 lbs of radial load is applied to a 1" standard duty shaft operating at 1000 RPM, the resulting L10 life is 30,000 hours.

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Load and Speed continued

1. Table 7 displays the Browning 200 (VS-200) and 300 (VS-300) Series ball bearing load capacities for a given L10 life, speed and shaft size. For VB-200 and VE-200 use equivalent ratings for respective 200 series bore. For VB-300 use equivalent ratings for respective 300 series bore.

2. Values in Table 7 represent radial loads at ideal conditions with press fit mounting to the shaft. ABMA recommends de-rating of slip fit mounted bearings. Elevated operating temperatures can reduce the load capacity of bearing steel where a material de-rating is also recommended.

   a. For operating temperatures up to 200°F, divide the value in the load table by 1.3 to obtain the slip fit derated value.

   b. For units designed for operating temperatures 200°F to 400°F, divide the value in the load table by 1.5 to obtain the slip fit/ elevated temperature de-rate value.

   c. Values in Table 7 represent equivalent radial loads only. For combined radial/thrust loads see page G-222.

3. The blue shaded area represents maximum recommended load for given operating speed based on load of 25% BDR. It is NOT recommended to exceed these loads in general industrial applications. See note on page G-222 for high load applications.

4. Areas designated by "-" exceed maximum value for standard bearings. See note on page G-223.

5. Consult Application Engineering for load and speed applications not covered in this table.

Table 7 - Load/Speed Chart – Browning 200 and 300 Series Ball Bearings

Series	L10 Hours	Revolutions Per Minute																			
		50	150	250	500	750	1000	1250	1500	1750	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7500
L-10	5000	527	527	500	397	347	315	292	275	261	250	232	218	207	198	191	184	178	173	169	161
	10000	527	470	397	315	275	250	232	218	207	198	184	173	165	157	151	146	142	138	134	128
	30000	470	326	275	218	191	173	161	151	144	138	128	120	114	109	105	101	98	95	93	89
	50000	397	275	232	184	161	146	136	128	121	116	108	101	96	92	89	85	83	80	78	75
	100000	315	218	184	146	128	116	108	101	96	92	85	80	76	73	70	68	66	64	62	59
2-012	5000	652	652	619	491	429	390	362	341	324	310	287	270	257	246	236	228	221	215	209	-
	10000	652	583	491	390	341	310	287	270	257	246	228	215	204	195	188	181	175	170	166	-
	30000	583	404	341	270	236	215	199	188	178	170	158	149	141	135	130	126	122	118	115	-
	50000	491	341	287	228	199	181	168	158	150	144	133	126	119	114	110	106	103	100	97	-
	100000	390	270	228	181	158	144	133	126	119	114	106	100	95	91	87	84	81	79	77	-
2-015	5000	700	700	664	527	461	418	388	366	347	332	308	290	276	264	253	245	237	-	-	-
	10000	700	625	527	418	366	332	308	290	276	264	245	230	219	209	201	194	188	-	-	-
	30000	625	433	366	290	253	230	214	201	191	183	170	160	152	145	139	135	130	-	-	-
	50000	527	366	308	245	214	194	180	170	161	154	143	135	128	122	118	114	110	-	-	-
	100000	418	290	245	194	170	154	143	135	128	122	114	107	102	97	93	90	87	-	-	-
2-13	5000	1095	1095	1,039	825	720	654	608	572	543	519	482	454	431	412	396	-	-	-	-	-
	10000	1095	978	825	654	572	519	482	454	431	412	383	360	342	327	315	-	-	-	-	-
	30000	978	678	572	454	396	360	334	315	299	286	265	250	237	227	218	-	-	-	-	-
	50000	825	572	482	383	334	304	282	265	252	241	224	211	200	191	184	-	-	-	-	-
	100000	654	454	383	304	265	241	224	211	200	191	178	167	159	152	146	-	-	-	-	-
2-17	5000	1,446	1,446	1,371	1,088	951	864	802	755	717	686	636	599	569	544	-	-	-	-	-	-
	10000	1,446	1,290	1,088	864	755	686	636	599	569	544	505	475	452	432	-	-	-	-	-	-
	30000	1,290	895	755	599	523	475	441	415	394	377	350	330	313	299	-	-	-	-	-	-
	50000	1,088	755	636	505	441	401	372	350	333	318	295	278	264	253	-	-	-	-	-	-
	100000	864	599	505	401	350	318	295	278	264	253	234	221	210	200	-	-	-	-	-	-
2-19	5000	1835	1,835	1,741	1,381	1,207	1,096	1,018	958	910	870	808	760	722	-	-	-	-	-	-	-
	10000	1,835	1,638	1,381	1,096	958	870	808	760	722	691	641	603	573	-	-	-	-	-	-	-
	30000	1,638	1,136	958	760	664	603	560	527	501	479	445	418	397	-	-	-	-	-	-	-
	50000	1,381	958	808	641	560	509	472	445	422	404	375	353	335	-	-	-	-	-	-	-
	100000	1,096	760	641	509	445	404	375	353	335	321	298	280	266	-	-	-	-	-	-	-
2-111	5000	1,975	1,975	1,874	1,487	1,299	1,180	1,096	1,031	979	937	870	818	-	-	-	-	-	-	-	-
	10000	1,975	1,763	1,487	1,180	1,031	937	870	818	777	744	690	650	-	-	-	-	-	-	-	-
	30000	1,763	1,222	1,031	818	715	650	603	567	539	516	479	450	-	-	-	-	-	-	-	-
	50000	1,487	1,031	870	690	603	548	509	479	455	435	404	380	-	-	-	-	-	-	-	-
	100000	1,180	818	690	548	479	435	404	380	361	345	320	301	-	-	-	-	-	-	-	-
2-115	5000	1,972	1,972	1,871	1,485	1,297	1,178	1,094	1,029	978	935	868	817	-	-	-	-	-	-	-	-
	10000	1,972	1,760	1,485	1,178	1,029	935	868	817	776	742	689	649	-	-	-	-	-	-	-	-
	30000	1,760	1,221	1,029	817	714	649	602	567	538	515	478	450	-	-	-	-	-	-	-	-
	50000	1,485	1,029	868	689	602	547	508	478	454	434	403	379	-	-	-	-	-	-	-	-
	100000	1,178	817	689	547	478	434	403	379	360	345	320	301	-	-	-	-	-	-	-	-
2-23	5000	2,438	2,438	2,312	1,835	1,603	1,457	1,352	1,273	1,209	1,156	1,073	-	-	-	-	-	-	-	-	-
	10000	2,438	2,176	1,835	1,457	1,273	1,156	1,073	1,010	959	918	852	-	-	-	-	-	-	-	-	-
	30000	2,176	1,509	1,273	1,010	882	802	744	700	665	636	591	-	-	-	-	-	-	-	-	-
	50000	1,835	1,273	1,073	852	744	676	628	591	561	537	498	-	-	-	-	-	-	-	-	-
	100000	1,457	1,010	852	676	591	537	498	469	445	426	395	-	-	-	-	-	-	-	-	-
2-27	5000	2,947	2,947	2,795	2,219	1,938	1,761	1,635	1,538	1,461	1,398	1,298	-	-	-	-	-	-	-	-	-
	10000	2,947	2,631	2,219	1,761	1,538	1,398	1,298	1,221	1,160	1,109	1,030	-	-	-	-	-	-	-	-	-
	30000	2,631	1,824	1,538	1,221	1,067	969	900	847	804	769	714	-	-	-	-	-	-	-	-	-
	50000	2,219	1,538	1,298	1,030	900	817	759	714	678	649	602	-	-	-	-	-	-	-	-	-
	100000	1,761	1,221	1,030	817	714	649	602	567	538	515	478	-	-	-	-	-	-	-	-	-

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Load and Speed continued

1. Table 8 displays the Browning 100 setscrew locking ball bearing (VS-100) load capacities for a given L10 life, speed and shaft size. For VE-100, RUBRE-100, RUBRS-100, SLS-100, LE-100, LR-100, LRS-100, LS-100 use equivalent ratings for respective 100 series bore.

2. Values in Table 8 represent radial loads at ideal conditions with press fit mounting to the shaft. ABMA recommends de-rating of slip fit mounted bearings. Elevated operating temperatures can reduce the load capacity of bearing steel where a material de-rating is also recommended.

   a. For operating temperatures up to 200°F, divide the value in the load table by 1.3 to obtain the slip fit derated value.

   b. For units designed for operating temperatures 200°F to 400°F, divide the value in the load table by 1.5 to obtain the slip fit/ elevated temperature de-rate value.

   c. Values in Table 8 represent equivalent radial loads only. For combined radial/thrust loads see page G-222.

3. The blue shaded area represents maximum recommended load for given operating speed based on load of 17% BDR. It is NOT recommended to exceed these loads in general industrial applications. See note on page G-222 for high load applications.

4. Areas designated by "-" exceed maximum value for standard bearings. See note on page G-223.

5. Consult Application Engineering for load and speed applications not covered in this table.

Table 8 - Load/Speed Chart – Browning 100 Series Ball Bearings

Series	L10 Hours	Revolutions Per Minute															
		50	150	250	500	750	1000	1250	1500	1750	2000	2500	3000	3500	4000	4500	5000
L-10	5000	351	351	351	351	347	315	292	275	261	250	232	218	207	198	191	184
	10000	351	351	351	315	275	250	232	218	207	198	184	173	165	157	151	146
	30000	351	326	275	218	191	173	161	151	144	138	128	120	114	109	105	101
	50000	351	275	232	184	161	146	136	128	121	116	108	101	96	92	89	85
	100000	315	218	184	146	128	116	108	101	96	92	85	80	76	73	70	68
2-012	5000	435	435	435	435	429	390	362	341	324	310	287	270	257	246	236	228
	10000	435	435	435	390	341	310	287	270	257	246	228	215	204	195	188	181
	30000	435	404	341	270	236	215	199	188	178	170	158	149	141	135	130	126
	50000	435	341	287	228	199	181	168	158	150	144	133	126	119	114	110	106
	100000	390	270	228	181	158	144	133	126	119	114	106	100	95	91	87	84
2-015	5000	466	466	466	466	461	418	388	366	347	332	308	290	276	-	-	-
	10000	466	466	466	418	366	332	308	290	276	264	245	230	219	-	-	-
	30000	466	433	366	290	253	230	214	201	191	183	170	160	152	-	-	-
	50000	466	366	308	245	214	194	180	170	161	154	143	135	128	-	-	-
	100000	418	290	245	194	170	154	143	135	128	122	114	107	102	-	-	-
2-13	5000	730	730	730	730	720	654	608	572	543	519	482	454	-	-	-	-
	10000	730	730	730	654	572	519	482	454	431	412	383	360	-	-	-	-
	30000	730	678	572	454	396	360	334	315	299	286	265	250	-	-	-	-
	50000	730	572	482	383	334	304	282	265	252	241	224	211	-	-	-	-
	100000	654	454	383	304	265	241	224	211	200	191	178	167	-	-	-	-
2-17	5000	963	963	963	963	951	864	802	755	717	686	636	-	-	-	-	-
	10000	963	963	963	864	755	686	636	599	569	544	505	-	-	-	-	-
	30000	963	895	755	599	523	475	441	415	394	377	350	-	-	-	-	-
	50000	963	755	636	505	441	401	372	350	333	318	295	-	-	-	-	-
	100000	864	599	505	401	350	318	295	278	264	253	234	-	-	-	-	-
2-19	5000	1,223	1,223	1,223	1,223	1,207	1,096	1,018	958	910	870	808	-	-	-	-	-
	10000	1,223	1,223	1,223	1,096	958	870	808	760	722	691	641	-	-	-	-	-
	30000	1,223	1,136	958	760	664	603	560	527	501	479	445	-	-	-	-	-
	50000	1,223	958	808	641	560	509	472	445	422	404	375	-	-	-	-	-
	100000	1,096	760	641	509	445	404	375	353	335	321	298	-	-	-	-	-
2-111	5000	1,316	1,316	1,316	1,316	1,299	1,180	1,096	1,031	979	937	-	-	-	-	-	-
	10000	1,316	1,316	1,316	1,180	1,031	937	870	818	777	744	-	-	-	-	-	-
	30000	1,316	1,222	1,031	818	715	650	603	567	539	516	-	-	-	-	-	-
	50000	1,316	1,031	870	690	603	548	509	479	455	435	-	-	-	-	-	-
	100000	1,180	818	690	548	479	435	404	380	361	345	-	-	-	-	-	-
2-115	5000	1,314	1,314	1,314	1,314	1,297	1,178	1,094	1,029	978	935	-	-	-	-	-	-
	10000	1,314	1,314	1,314	1,178	1,029	935	868	817	776	742	-	-	-	-	-	-
	30000	1,314	1,221	1,029	817	714	649	602	567	538	515	-	-	-	-	-	-
	50000	1,314	1,029	868	689	602	547	508	478	454	434	-	-	-	-	-	-
	100000	1,178	817	689	547	478	434	403	379	360	345	-	-	-	-	-	-
2-23	5000	1,625	1,625	1,625	1,625	1,603	1,457	1,352	1,273	1,209	-	-	-	-	-	-	-
	10000	1,625	1,625	1,625	1,457	1,273	1,156	1,073	1,010	959	-	-	-	-	-	-	-
	30000	1,625	1,509	1,273	1,010	882	802	744	700	665	-	-	-	-	-	-	-
	50000	1,625	1,273	1,073	852	744	676	628	591	561	-	-	-	-	-	-	-
	100000	1,457	1,010	852	676	591	537	498	469	445	-	-	-	-	-	-	-

How to Read the Table
Example A: For a 1" standard duty ball bearing operating at 1000 RPM and desired 100,000 hours L10 life, 154 Lbs is the maximum allowable radial load.
Example B: If 230 lbs of radial load is applied to a 1" standard duty shaft operating at 1000 RPM, the resulting L10 life is 30,000 hours.

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Mounted Ball Bearing Engineering see page G-220.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Ball Bearing Maximum Speed Rating Tables

Tables 9-13 display the maximum speed rating for various ball bearing seals and locking devices. Values in the table represent speeds at ideal conditions. Other application factors may reduce the speed rating of a bearing.

Table 9 – Sealmaster Gold Standard Duty Maximum Speed Rating

						MAX SEAL SPEED REVOLUTIONS PER MINUTE									
						Standard Sealmaster Gold									
Standard Duty and ER Bearings					Locking	Setscrew	Skwezloc Locking Collar or Double Setscrew	Setscrew, Skwezloc Locking Collar and Double Setscrew							
					Suffix	Standard, A, AS, X		C	2C	3C	F	SF	U, BF	VA, VS	H
Series	Bore Diameter inch	Bore Diameter mm	Standard Duty Insert	ER		Standard Felt Backed off Felt (AS) Nomex (A) No Felt (X)		Contact	Double Contact Seal (Progard)	Triple Contact Seal (Safegard)	High Temp Contact Seal - Fiberglass (Heatgard)	High Temp Double Contact Seal - Fiberglass (Heatgard Plus)	Spring Seal (UltaGard)	High Temp Spring Seal (HeatGard Ultra)	High Performance Seal
2-012	1/2	-	2-08	ER-8		7300	10200	6450	1600	N/A	1600	N/A	2800	N/A	3100
	9/16	-	2-09	ER-9											
	5/8	-	2-010	ER-10											
	11/16	-	2-011	ER-11											
	3/4	-	2-012	ER-12											
	-	20	5204	ER-204											
2-015	13/16	-	2-013	ER-13		6350	9000	6350	N/A	550	1400	N/A	2500	2500	2700
	7/8	-	2-014	ER-14											
	15/16	-	2-015	ER-15											
	-	25	5205	ER-205											
	1	-	2-1	ER-16											
2-13	1 1/16	-	2-11	ER-17		5450	7600	5450	N/A	500	1050	500	2200	2200	2300
	1 1/8	-	2-12	ER-18											
	-	30	5206	ER-206											
	1 3/6	-	2-13	ER-19											
	1 1/4	-	1-14	ER-20R											
2-17	1 1/4	-	2-14	ER-20		4650	6500	4650	N/A	450	1000	450	N/A	1900	2000
	1 5/16	-	2-15	ER-21											
	1 3/8	-	2-16	ER-22											
	-	35	5207	ER-207											
	1 7/16	-	2-17	ER-23											
2-19	1 1/2	-	2-18	ER-24		4150	5850	4150	N/A	400	925	400	N/A	1700	1750
	1 9/16	-	2-19	ER-25											
	-	40	5208	ER-208											
2-111	1 5/8	-	2-110	ER-26		3800	5300	3800	N/A	350	850	350	N/A	1500	1600
	1 11/16	-	2-111	ER-27											
	1 3/4	-	2-112	ER-28											
	-	45	5209	ER-209											

If seal max speed in this chart exceeds bearing max speed from rating tables or speed that is deemed acceptable for the application, lowest applicable speed applies.

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MAX SEAL SPEED REVOLUTIONS PER MINUTE												
Custom Select Suffix												
Setscrew, Skwezloc Locking Collar and Double Setscrew				Setscrew	Skwezloc Locking Collar or Double Setscrew	Skwezloc Locking Collar	All	Locking	Standard Duty and ER Bearings			
HT, HTA, HI	HTC	LO	XLO	CXU		HS	DRT	Suffix				
High Temperature Options		Low Drag Options		Air Handling		High Speed	High Contamination		Bore Diameter		Standard Duty	ER	Series
									inch	mm	Insert		
3200	800	5800	2900	7300	10200	11700	1600		1/2	-	2-08	ER-8	2-012
									9/16	-	2-09	ER-9	
									5/8	-	2-010	ER-10	
									11/16	-	2-011	ER-11	
									3/4	-	2-012	ER-12	
									-	20	5204	ER-204	
2750	800	5000	2500	6350	9000	10200	550		13/16	-	2-013	ER-13	2-015
									7/8	-	2-014	ER-14	
									15/16	-	2-015	ER-15	
									-	25	5205	ER-205	
									1	-	2-1	ER-16	
2400	700	4300	2150	5450	7600	8700	500		1 1/16	-	2-11	ER-17	2-13
									1 1/8	-	2-12	ER-18	
									-	30	5206	ER-206	
									1 3/6	-	2-13	ER-19	
									1 1/4	-	1-14	ER-20R	
2200	600	3700	1850	4650	6500	7450	450		1 1/4	-	2-14	ER-20	2-17
									1 5/16	-	2-15	ER-21	
									1 3/8	-	2-16	ER-22	
									-	35	5207	ER-207	
									1 7/16	-	2-17	ER-23	
1800	500	3300	1650	4150	5850	6700	400		1 1/2	-	2-18	ER-24	2-19
									1 9/16	-	2-19	ER-25	
									-	40	5208	ER-208	
1650	500	3000	1500	3800	5300	6050	350		1 5/8	-	2-110	ER-26	2-111
									1 11/16	-	2-111	ER-27	
									1 3/4	-	2-112	ER-28	
									-	45	5209	ER-209	

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Table 9 – Sealmaster Gold Standard Duty Maximum Speed Rating continued

Standard Duty and ER Bearings					Locking	MAX SEAL SPEED REVOLUTIONS PER MINUTE									
						Standard Sealmaster Gold									
						Setscrew	Skwezloc Locking Collar or Double Setscrew	Setscrew, Skwezloc Locking Collar and Double Setscrew							
					Suffix	Standard, A, AS, X		C	2C	3C	F	SF	U, BF	VA, VS	H
Series	Bore Diameter inch	Bore Diameter mm	Standard Duty Insert	ER		Standard Felt Backed off Felt (AS) Nomex (A) No Felt (X)		Contact	Double Contact Seal (Progard)	Triple Contact Seal (Safegard)	High Temp Contact Seal - Fiberglass (Heatgard)	High Temp Double Contact Seal - Fiberglass (Heatgard Plus)	Spring Seal (UltaGard)	High Temp Spring Seal (HeatGard Ultra)	High Performance Seal
2-115	1 13/16	-	2-113	ER-29		3550	5000	3550	N/A	325	775	325	1400	N/A	1500
	1 7/8	-	2-114	ER-30											
	1 15/16	-	2-115	ER-31											
	-	50	5210	ER-210											
	2	-	1-2	ER-32R											
2-23	2	-	2-2	ER-32		3250	4500	3250	700	300	700	300	1300	N/A	1350
	2 1/8	-	2-22	ER-34											
	-	55	5211	ER-211											
	2 3/16	-	2-23	ER-35											
2-27	2 1/4	-	2-24	ER-36		3000	4100	2550	650	N/A	650	250	1200	N/A	1250
	-	60	5212	ER-212											
	2 3/8	-	2-26	ER-38											
	2 7/16	-	2-27	ER-39											
2-211	2 1/2	-	-	ER-40		2500	3600	2225	550	N/A	550	225	N/A	N/A	1050
	2 11/16	-	2-211	ER-43											
	-	70	5214	ER-214											
2-215*	2 7/8	-	2-214	ER-46		2450	3400	2100	525	N/A	525	200	N/A	N/A	2500*
	2 15/16	-	2-215	ER-47											
	-	75	5215	ER-215											
2-33	3	-	-	ER-48		2250	3150	1950	500	N/A	500	N/A	N/A	N/A	N/A
	-	80	5216	ER-216											
	3 3/16	-	2-33	ER-51											
2-37	3 1/4	-	2-34	ER-52		2125	3000	1850	450	N/A	450	N/A	N/A	N/A	N/A
	3 3/8	-	2-36	ER-54											
	3 7/16	-	2-37	ER-55											
2-38	3 1/2		2-38	-		2000	2800	1725	425	N/A	425	N/A	N/A	N/A	N/A
	-	90	5218	-											
2-43	3 15/16		-	ER-63		1700	2400	1450	375	N/A	375	N/A	N/A	N/A	N/A
	-	100	-												
	4		-	ER-64											

If seal max speed in this chart exceeds bearing max speed from rating tables or speed that is deemed acceptable for the application, lowest applicable speed applies.

*2-215 series uses a double lip seal vs. our triple lip high performance seal (HPS).

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MAX SEAL SPEED REVOLUTIONS PER MINUTE									Standard Duty and ER Bearings				
Custom Select Suffix													
Setscrew, Skwezloc Locking Collar and Double Setscrew				Setscrew	Skwezloc Locking Collar or Double Setscrew	Skwezloc Locking Collar	All	Locking					
HT, HTA, HI	HTC	LO	XLO	CXU		HS	DRT	Suffix					
High Temperature Options		Low Drag Options		Air Handling		High Speed	High Contamination		Bore Diameter		Standard Duty	ER	Series
									inch	mm	Insert		
1550	400	2800	1400	3550	5000	5700	325		1 13/16	-	2-113	ER-29	2-115
									1 7/8	-	2-114	ER-30	
									1 15/16	-	2-115	ER-31	
									-	50	5210	ER-210	
									2	-	1-2	ER-32R	
1400	350	2500	1250	3250	4500	5150	300		2	-	2-2	ER-32	2-23
									2 1/8	-	2-22	ER-34	
									-	55	5211	ER-211	
									2 3/16	-	2-23	ER-35	
1250	325	2300	1150	3000	4100	4700	650		2 1/4	-	2-24	ER-36	2-27
									-	60	5212	ER-212	
									2 3/8	-	2-26	ER-38	
									2 7/16	-	2-27	ER-39	
1100	275	2000	1000	2500	3600	N/A	550		2 1/2	-	-	ER-40	2-211
									2 11/16	-	2-211	ER-43	
									-	70	5214	ER-214	
1050	250	1900	950	2450	3400	N/A	525		2 7/8	-	2-214	ER-46	2-215
									2 15/16	-	2-215	ER-47	
									-	75	5215	ER-215	
950	250	1750	900	2250	3150	N/A	500		3	-	-	ER-48	2-33
									-	80	5216	ER-216	
									3 3/16	-	2-33	ER-51	
900	225	1650	800	2125	3000	N/A	450		3 1/4	-	2-34	ER-52	2-37
									3 3/8	-	2-36	ER-54	
									3 7/16	-	2-37	ER-55	
850	200	1550	750	2000	2800	N/A	425		3 1/2	-	2-38	-	2-38
									-	90	5218	-	
700	200	1300	650	1700	2400	N/A	375		3 15/16	-	-	ER-63	2-43
									-	100	-		
									4	-	-	ER-64	

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Table 10 – Sealmaster Gold Medium Duty Maximum Speed

Medium Duty				Locking	MAX SEAL SPEED REVOLUTIONS PER MINUTE								
					Standard Sealmaster Gold								
					Setscrew	Skwezloc Locking Collar or Double Setscrew	Setscrew, Skwezloc Locking Collar and Double Setscrew						
				Suffix	Standard, AS, X		C	2C	3C	SF	U, BF	VA, VS	H
Series	Bore Diameter inch	Bore Diameter mm	Unit Size	Insert	Standard Felt Backed off Felt (AS) Nomex (A) No Felt (X)		Contact	Double Contact Seal (Progard)	Triple Contact Seal (Safegard)	High Temp Double Contact Seal - Fiberglass (Heatgard Plus)	Spring Seal (UltaGard)	FKM Spring Seal (HeatGard Ultra)	High Performance Seal
2-13	15/16	-	15	3-015	5450	7600	5450	N/A	500	500	2200	2200	2300
	-	25	305	5305									
	1	-	16	3-1									
2-17	-	30	306	5306	4650	6500	4650	N/A	450	450	N/A	1900	2000
	1 3/16	-	19	3-13									
2-19	-	35	307	5307	4150	5850	4150	N/A	400	400	N/A	1700	1750
	1 7/16	-	23	3-17									
2-111	1 1/2	-	24	3-18	3800	5300	3800	N/A	350	350	N/A	1500	1600
	-	40	308	5308									
2-115	1 11/16	-	27	3-111	3550	5000	3550	N/A	325	325	1400	N/A	1500
	1 3/4	-	28	3-112									
	-	45	309	5309									
2-23	1 15/16	-	31	3-115	3250	4500	3250	700	300	300	1300	N/A	1350
	-	50	310	5310									
2-27	-	55	311	5311	3000	4100	2550	650	N/A	250	1200	N/A	1250
	2 3/16	-	35	3-23									
2-211	2 7/16	-	39	3-27	2500	3600	2250	550	N/A	225	N/A	N/A	1050
	2 1/2	-	40	3-28									
	-	65	313	5313									
2-215	2 11/16	-	43	3-211	2450	3400	2100	525	N/A	200	N/A	N/A	2500*
	-	70	314	5314									
2-33	2 15/16	-	47	3-215	2250	3150	1950	500	N/A	N/A	N/A	N/A	N/A
	-	75	315	5315									
	3	-	48	3-3									
2-37	-	80	316	5316	2125	3000	1850	450	N/A	N/A	N/A	N/A	N/A
	3 3/16	-	51	3-33									
2-38	3 7/16	-	55	3-37	2000	2800	1725	425	N/A	N/A	N/A	N/A	N/A
2-43	3 15/16	-	63	3-315	1700	2400	1450	375	N/A	N/A	N/A	N/A	N/A
	-	100	320	5320									
	4	-	64	3-4									
3-47	4 7/16	-	71	3-47	1375	1950	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	4 15/16	-	79	3-415									

If seal max speed in this chart exceeds bearing max speed from rating tables or speed that is deemed acceptable for the application, lowest applicable speed applies.

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MAX SEAL SPEED REVOLUTIONS PER MINUTE												
Custom Select Suffix												
Setscrew, Skwezloc Locking Collar and Double Setscrew				Setscrew	Skwezloc Locking Collar or Double Setscrew	Skwezloc Locking Collar	All	Medium Duty			Locking	Series
HT, HTA, HI	HTC	LO	XLO	CXU		HS	DRT				Suffix	
High Temperature Options		Low Drag		Air Handling		High Speed	High Contamination	Bore Diameter inch	Bore Diameter mm	Unit Size	Insert	
2400	400	4300	2150	5450	7600	8700	500	15/16	-	15	3-015	2-13
								-	25	305	5305	
								1	-	16	3-1	
2200	350	3700	1850	4650	6500	7450	450	-	30	306	5306	2-17
								1 3/16	-	19	3-13	
1800	350	3300	1650	4150	5850	6700	400	-	35	307	5307	2-19
								1 7/16	-	23	3-17	
1650	350	3000	1500	3800	5300	6050	350	1 1/2	-	24	3-18	2-111
								-	40	308	5308	
1550	350	2800	1400	3550	5000	5700	325	1 11/16	-	27	3-111	2-115
								1 3/4	-	28	3-112	
								-	45	309	5309	
1400	350	2500	1250	3250	4500	5150	300	1 15/16	-	31	3-115	2-23
								-	50	310	5310	
1250	325	2300	1150	3000	4100	4700	650	-	55	311	5311	2-27
								2 3/16	-	35	3-23	
1100	275	2000	1000	2500	3600	N/A	550	2 7/16	-	39	3-27	2-211
								2 1/2	-	40	3-28	
								-	65	313	5313	
1050	250	1900	950	2450	3400	N/A	525	2 11/16	-	43	3-211	2-215
								-	70	314	5314	
950	250	1750	900	2250	3150	N/A	500	2 15/16	-	47	3-215	2-33
								-	75	315	5315	
								3	-	48	3-3	
900	225	1650	800	2125	3000	N/A	450	-	80	316	5316	2-37
								3 3/16	-	51	3-33	
850	200	1550	750	2000	2800	N/A	425	3 7/16	-	55	3-37	2-38
700	200	1300	650	1700	2400	N/A	375	3 15/16	-	63	3-315	2-43
								-	100	320	5320	
								4	-	64	3-4	
600	N/A	1050	525	1375	1950	N/A	N/A	4 7/16	-	71	3-47	3-47
								4 15/16	-	79	3-415	

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Table 11 – Sealmaster Material Handling Bearing Maximum Speed Rating

Series	Bore Diameter		Unit Size	Insert		Max. Seal Speed Revolutions Per Minute
	inch	mm		Setscrew	Skwezloc Locking Collar	
2-012	3/4	-	12	MH-12	MH-12T	6500
	-	20	204	MH-204	MH-204T	
2-015	-	25	205	MH-205	MH-205T	5500
	1	-	16	MH-16	MH-16T	
2-13	-	30	206	MH-206	MH-206T	4500
	1 3/6	-	19	MH-19	MH-19T	
	1 1/4S	-	20S	MH-20R	MH-20RT	
2-17	1 1/4	-	20	MH-20	MH-20T	4000
	1 7/16	-	23	MH-23	MH-23T	
2-19	1 1/2	-	24	MH-24	MH-24T	3500
2-111	1 11/16	-	27	MH-27	MH-27T	3000
2-115	1 15/16	-	31	MH-31	MH-31T	3000
	-	50	210	MH-210	MH-210T	
2-23	2	-	32	MH-32	MH-32T	2500
	2 3/16	-	35	MH-35	MH-35T	
2-27	2 7/16	-	39	MH-39	MH-39T	2500

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Table 12 – Browning 100 and 200 Maximum Speed Rating

Series	100 Series, 200 Series and VER Bearings					Max. Seal Speed Revolutions Per Minute		
	Bore Diameter		100 Series	200 Series	VER	100 Series	200 Series	VER
	inch	mm	Insert	Insert		Contact	Contact + Flinger	Contact + Flinger
L-10	1/2	-	VS-108	VS-208	-	5000	7500	-
2-012			-	-	VER-208	-	-	6500
L-10	5/8	-	VS-110	VS-210	-	5000	7500	-
2-012			-	-	VER-210	-	-	6500
2-012	3/4	-	VS-112	VS-212	VER-212	4000	6500	6500
	-	20	-	VS-20 MM	-			
2-015	7/8	-	VS-114	VS-214	VER-214	3500	5500	5500
	15/16	-	VS-115	VS-215	VER-215			
	-	25	-	VS-25 MM	-			
	1	-	VS-116	VS-216	VER-216			
2-13	1 1/16	-	-	-	VER-217	3000	4500	4500
	1 1/8	-	VS-118	VS-218	VER-218			
	-	30	-	VS-30 MM	-			
	1 3/6	-	VS-119	VS-219	VER-219			
	1 1/4	-	VS-120S	VS-220S	VER-220S			
2-17	1 1/4	-	VS-120	VS-220	VER-220	2500	4000	4000
	1 3/8	-	VS-122	VS-222	VER-222			
	-	35	-	VS-35 MM	-			
	1 7/16	-	VS-123	VS-223	VER-223			
2-19	1 1/2	-	VS-124	VS-224	VER-224	2500	3500	3500
	1 9/16	-	-	-	VER-225			
	-	40	-	VS-40 MM	-			
2-111	1 5/8	-	-	VS-226	VER-226	2000	3000	3000
	1 11/16	-	VS-127	VS-227	VER-227			
	1 3/4	-	VS-128	VS-228	VER-228			
	-	45	-	VS-45 MM	-			
2-115	1 7/8	-	-	-	VER-230	2000	3000	3000
	1 15/16	-	VS-131	VS-231	VER-231			
	-	50	-	VS-50 MM	-			
	2	-	VS-132S	VS-232S	VER-232S			
2-23	2	-	VS-132	VS-232	VER-232	1750	2500	2500
	-	55	-	VS-55 MM	-			
	2 3/16	-	VS-135	VS-235	VER-235			
2-27	2 1/4	-	-	VS-236	VER-236	-	2500	2500
	2 3/8	-	-	-	VER-238			
	2 7/16	-	-	VS-239	VER-239			

Setscrew locking 100, 200, 300 series and VER's shown.
For VE-100, RUBRE-100, RUBRS-100, SLS-100, LE-100, LR-100, LRS-100, LS-100 use equivalent limits respective 100 series bore.
For VB-200, VE-200 equivalent limits for respective 200 series bore.

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Table 13 – Browning 300 Maximum Speed Rating

300 Series Bearing			Max. Seal Speed Revolutions Per Minute
Bore Diameter		300 Series	300 Series
inch	mm	Insert	Contact + Flinger
1	25.4	VS-316	4500
1 3/16	30.2	VS-319	4000
1 1/4	31.8	VS-220	
1 7/16	36.5	VS-323	3500
1 1/2	38.1	VS-324	3000
1 11/16	42.9	VS-327	
1 3/4	44.5	VS-328	
1 15/16	49.2	VS-331	2500
2 3/16	55.6	VS-335	

For VB-300 equivalent limits for respective 300 series bore.

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Lock Types

"Slip Fit" Mounting

Mounted Ball Bearings are designed to slip fit onto the shaft. Slip fit means that the shaft is usually slightly smaller, and the inner ring bore is slightly larger than the nominal shaft sizes listed in the bearing tables. Slip fit mounting is very popular and economical as it does not require specialized equipment or tooling to mount the bearing on the shaft. Reliability of the lock is still dependent on the proper mounting techniques and proper shaft size control.

Shaft Locking System Selection

Selection of the shaft locking system may be dependent on some or all of the following application criteria:

- Lock Reliability
- Shaft Run-Out
- Vibrating Systems
- Vibration Reduction (Isolation Devices)
- Shaft Fretting
- Distress On The Shaft Surface
- Shafting Material
- Space On The Shaft
- Shaft Orientation (Vertical, Horizontal)
- Ease Of Installation

Single Sided (Single Lock) Setscrew Locking System

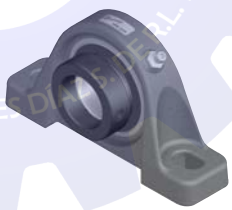
Single sided setscrew lock has an extended inner ring on one side of the bearing. This locking system is held to the shaft by two setscrews. Single lock is the most popular bearing mounting method for Mounted Ball Bearings. It is easy to mount because it requires tightening only two setscrews and takes up minimal space along the shaft. Sealmaster and Browning Mounted Ball Bearings have a unique package of features including: wide inner ring design, zone hardened inner rings, specially designed setscrews and 120° setscrew position. These features are unmatched in the mounted bearing industry and are designed to maximize lock reliability.

Single lock setscrew design is specified in a wide range of applications for moderate loads and speeds. This lock is sometimes specified in flange block and cartridge housings because of inaccessibility of back side setscrews. Upset setscrew marks on the shaft can be minimized for removal of the bearing by removing the setscrews and using a flat punch, tapping the upset shaft material flat onto the shaft. For high speed, heavy load (radial or thrust), vibration, eccentric loading, stainless steel or hollow shafting, reduction of fretting, vibration or marking of the shafting, review alternate locks below or consult Application Engineering.

Double Sided (Double Lock) Setscrew Locking System

Double sided setscrew lock is extended on both sides of the inner ring. The inner race is locked to the shaft by four screws. This design is the preferred lock for the heavy duty Sealmaster Gold Mounted Ball Bearings with double lock incorporate the same unique package of locking features included in the single lock design: wide inner ring design, zone hardened inner rings, specially designed setscrews, and 120° setscrew position.

The double lock design is specified for demanding applications or where shaft lock reliability is critical. This design is often specified on high load applications, high thrust load applications, vertical shafts where extra holding power is required, eccentric drive applications, high vibration applications, and high speed applications. It also helps to reduce fretting corrosion on the shaft. Upset setscrew marks on the shaft can be minimized for removal of the bearing by removing the setscrews and, using a flat punch, tapping the upset shaft material flat onto the shaft. For stainless steel shafting, or where vibration reduction is required, refer to Skwezloc® or BOA Concentric locking collar below or consult Application Engineering.



Eccentric Locking

Eccentric locking design incorporates a precision eccentric collar that mates with the inner ring extension for shaft hold. The inner ring is extended and has an eccentric profile machined on the outer diameter at the end. The inner diameter of the collar has an eccentric profile machined that mates with the inner ring extension. The eccentric collar is placed on the inner ring extension and rotated in the direction of shaft rotation. This rotation forces the collar and inner ring eccentric profiles to lock by creating a friction grip. The collar makes contact with the shaft and a setscrew on the collar is then tightened to lock the collar in place. This design is available on Browning Mounted Ball Bearings only.

Note: The eccentric is designed for single direction of rotation and should not be used when two direction rotation is present.

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Lock Types continued

The Concentric Locking System

Sealmaster Skwezloc® and Browning BOA concentric locking system for ball bearings has an inner ring extension which is slit into 6 tangs. The split concentric collar is tightened over the inner ring extension, gripping the bearing to the shaft. The concentric design friction grips to the shaft with 360° of holding.

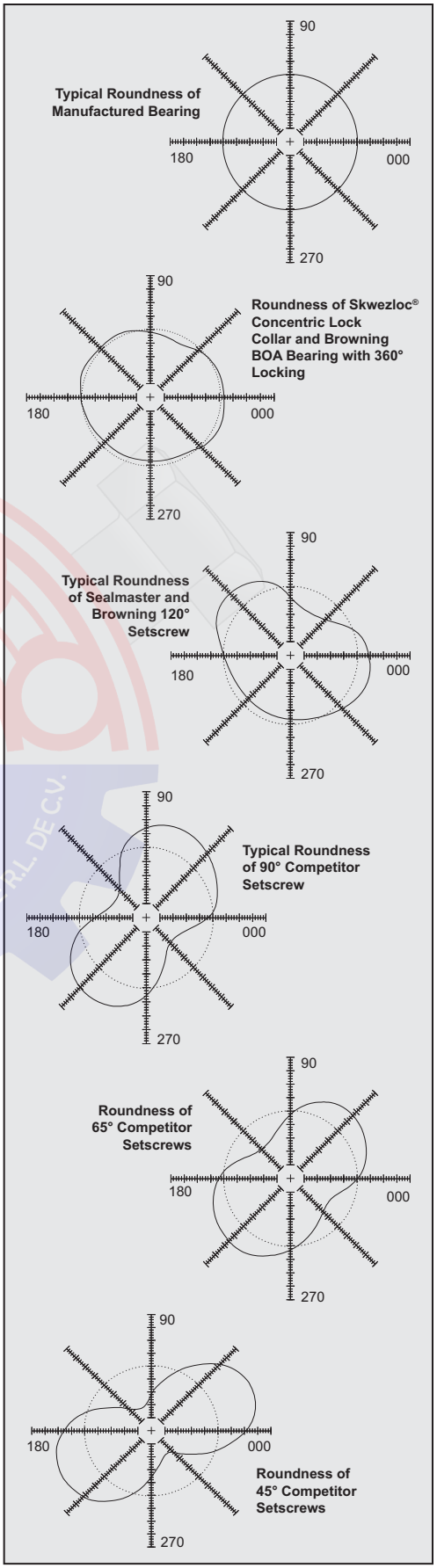
- Centers the shaft in the bore of the bearing, reducing vibration and shaft runout.
- Maintains manufactured ball path roundness reducing vibration and enhances bearing life.
- Excellent for high speed applications
- Does not mark the shaft like set screw or eccentric lock.
- Is easy to install, requiring tightening only one Torx head capscrew.

Concentric is often specified in air handling, HVAC, fan and blower applications where noise and vibration reduction is essential. High speed applications such as saws and routers or high speed spindles are common applications for concentric locking. Coating roll and sanding applications are also good applications for the concentric where runout control of the rotating system is essential. Concentric is recommended for stainless steel or hardened shafting. In vertical shaft or high thrust load applications, a thrust collar or axial locating device is required to insure safety of the friction grip lock.

Shaft Lock Comparison				
Characteristic	**Single Lock**	**Double Lock**	**Concentric**	**Eccentric**
High Speeds	✓✓	✓✓✓	✓✓✓✓	✓✓
Heavy Loads	✓✓	✓✓✓✓	✓✓✓✓	✓
Radial Loads	✓✓✓✓	✓✓✓✓	✓✓✓✓	✓✓✓✓
Thrust Loads	✓✓✓	✓✓✓✓	✓✓✷	✓✷
Fretting Control	✓✓	✓✓✓	✓✓✓✓	✓✓
Run out Control	✓✓	✓✓	✓✓✓✓	✓✓
Reliability of Lock	✓✓✓	✓✓✓✓	✓✓✓✓	✓✓
Vertical Shaft	✓✓✓	✓✓✓✓	✓✓✷	✓✷
Eccentric Loads	✓✓	✓✓✓✓	✓✓✓	✓
Hardened/Stainless Shafts	✓✓	✓✓✓	✓✓✓✓✓	✓✓

Legend: Excellent ✓✓✓✓, Good ✓✓✓, Fair ✓✓, Poor ✓
✷ Review use of thrust device.

Note: Premium locking systems are not intended to be a fix for worn, damaged or undersized shafting or poor mounting practices. Consult Installation Instructions for proper installation.



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Sealmaster Gold Mounted Ball Bearing Housed Units Installation

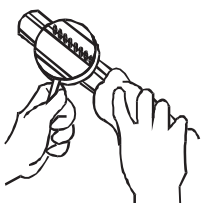
NOTICE

• These bearings are designed for maximum permissible static misalignment of ± 2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in table, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.



SM Gold Table 1

Recommended Shaft Tolerances	
Nominal Bore Diameter	Tolerance (inch)
1/2 - 1 15/16	+0.0000 / -0.0005
2 - 3 3/16	+0.0000 / -0.0010
3 1/4 - 4 15/16	+0.0000 / -0.0015

Step 2: Check Support Surfaces

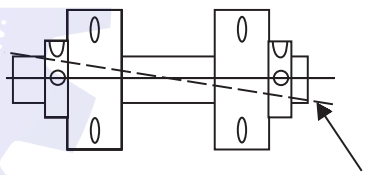
Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.

Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible. Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



Step 5: Position Insert

If expansion units are used, the insert must be located in the housing to allow for axial shaft expansion and/or contraction. Position bearing insert to obtain the required axial expansion in desired directions. It may be necessary to unload the bearing while moving the assembly.

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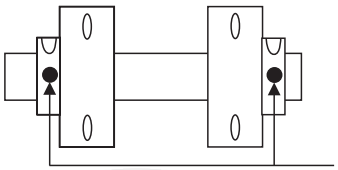
Sealmaster Gold Mounted Ball Bearing Housed Units Installation continued

Step 6: Tighten Locking Mechanism

a. Setscrew Locking Inserts

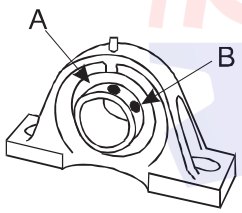
Setscrews in multiple bearing applications should be aligned as shown.



Tighten bearing units to the shaft as follows:

i. Torque the first setscrew "A" to one half of the recommended torque in Table 2.

ii. Torque the second setscrew "B" to the full recom mended torque. Go back to the first setscrew "A" and tighten to the full recommended torque.



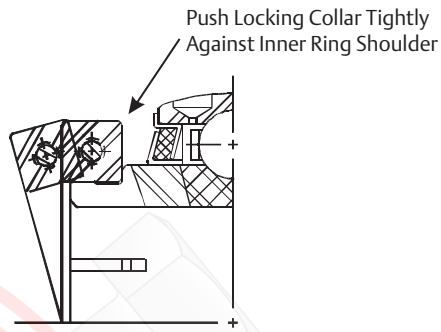
If the bearing unit has setscrew locking on both sides of the inner ring (Double Lock Setscrew), repeat the same procedure for the second pair of setscrews. Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

SM Gold Table 2

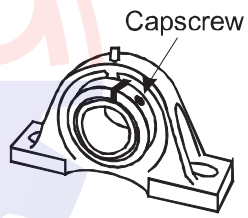
Setscrew Torque		
Screw Size	Hex Size	Inch-Pounds
1/4-28	1/8	65 - 85
5/16-24	5/32	125 - 165
3/8-24	3/16	230 - 300
7/16-20	7/32	350 - 450
1/2-20	1/4	500 - 650
5/8-18	5/16	1100 - 1440

b. Skwezloc Locking Inserts

i. Be sure that the Skwezloc collar is fitted square and snug against the shoulder on the inner ring as shown.



ii. Torque the Skwezloc collar cap screw to the full recommended torque in Table 3.



SM Gold Table 3

Skwezloc Concentric Locking Collar Cap Screw Torque		
Screw Size	Torx Size	Inch-Pounds
# 8-32	T-25	70
# 10-24	T-27	100
1/4-20	T-30	240
5/16-18	T-45	495

Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

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Mounting Sealmaster Gold Cylindrical O.D. (ER Style) Inserts and Cylindrical O.D. Housings (AR & SC Style):

NOTICE

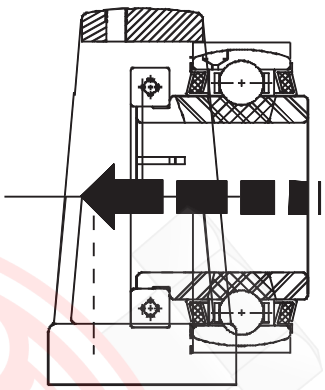
• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect and Prepare Housing

To achieve proper bearing fit, the housing should be machined to the correct bore size. For recommended housing bore sizes, refer to page G-259. The housing bearing seat should be wiped clean and free of debris.

Step 2: Install Unit in Housing

Press bearing into housing by applying force to the face of the housing, or the face of the outer ring for ER style bearings.



Do not hammer on any component of the bearing or apply force to the inner ring.

Step 3: Refer to Steps 1 - 6 from the "Mounting Housed Bearing Units" Section Pages G-246 to G-247

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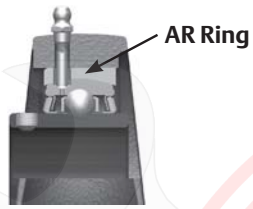
Sealmaster Gold Expansion Bearings:

Expansion bearings allow for linear shaft expansion or contraction caused by temperature variations. Without this expansion capability, bearings may be subjected to excessive thrust loads and misalignment which could damage the bearing, mounting surfaces, and frameworks. Sealmaster offers two types of expansion (float) bearings:

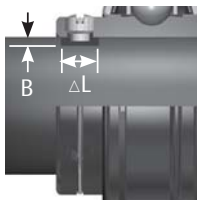
1. In Sealmaster Gold mounted units where the bearing is installed into an AR ring then into a housing assembly as shown on page G-29. This design allows the bearing to move axially in the housing assembly. Table 4 below shows the allowable expansion by size.



SM Gold Table 4

Bore Diameter		Expansion (inch)
Standard Duty	Medium Duty	
1/2 - 1	N/A	3/32
1 3/16 - 1 3/4	15/16 - 1 1/2	1/8
1 15/16 - 2 15/16	1 11/16 - 2 11/16	3/16
3 - 3 7/16	2 15/16 - 3 3/16	1/4
3 1/2 - 4	3 7/16 - 4	9/32
5	4 7/16 - 4 15/16	7/16

2. In Sealmaster Cylindrical O.D. bearings (ER style) and some Sealmaster Gold mounted units expansion is achieved by utilizing a special half-dog & wire and keyway in the shaft by specifying a "HIY" suffix. The bearing then floats along the shaft. Table 5 shows the shaft slot dimensions required.



SM Gold Table 5

Bore Sizes	Slot Width (C)	Min. Slot Depth (B)	1/2 Dog Point Dia. (P)
inch	inch	inch	inch
1/2 to 1/4R	13/64	3/32	5/32
1 1/4 to 1 3/4	9/32	3/32	13/64
1 7/8 to 2 7/16	21/64	1/8	1/4
2 /12 to 3 7/16	21/64	1/8	19/64
3 15/16 to 4	33/64	3/16	15/32

△L is calculated below

Notes:

- Before installation, make certain proper expansion is accounted for. Expansion units should be placed in a location where relative movement between the bearing insert and the housing can be tolerated.

- When using an expansion bearing, always use a fixed bearing as the second support bearing.

- Half-dog setscrew and lock wire systems are not recommended for high speed or vibration applications. Application Engineering can be contacted for specifics. Only one half-dog setscrew should be used in this arrangement. No other setscrew should be installed. The half-dog setscrew's nub is engaged within the shaft slot, but not tightened into the shaft.

When shafting is heated, it grows longer. This growth in shaft length is particularly problematic when shafts are long and temperature differentials are large.

The difference in linear expansion between the shaft (shaft length between bearing centers) and the bearing mounting structure must be taken in consideration in high temperature applications. For example, in the case where the shaft, bearings and bearing support structure are all in a heated environment, the effect of thermal expansion on the bearings can be insignificant (assuming that all components are made of steel).

The shaft expansion concern arises when the shaft is in a heated environment but the bearings and bearing support structure are not. In this case the slot length in the shaft should be machined so as to accommodate the amount of linear shaft expansion.

Calculate the minimum slot length (△L) as follows:

$\triangle L = \alpha \bullet X \triangle TEMP_{sys}$

Where:

△L = differential linear expansion (inches)
α = coefficient of thermal expansion (inch/inch/°F)
($\alpha = 7x10^{-6}$ inch/inch/°F for most carbon steel shafting)
($\alpha = 1x10^{-5}$ inch/inch/°F for most stainless steel shafting)
X = length of shaft (inches)
$\triangle TEMP_{sys}$ = operating shaft temperature (°F) - installed shaft temperature (°F)

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Replacing Existing Sealmaster Gold Inserts:

Note: Replacement Sealmaster bearing inserts are intended for use in Sealmaster housings only.

NOTICE

• These bearings are designed for maximum permissible static misalignment of ± 2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Loosen and Remove Housing Mounting Bolts

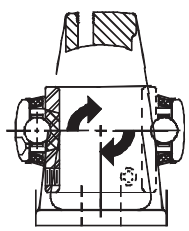
Step 2: Remove Bearing from Shaft

Loosen the locking mechanism and slide the bearing off the shaft.

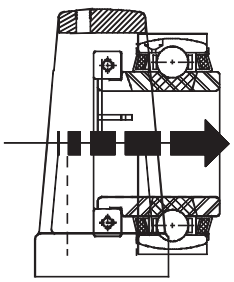
Step 3: Remove the Bearing Insert from the Housing

Secure housing in a vise. Remove lubrication fitting and lock pin from the housing. Do not discard the lubrication fitting or lock pin. Remove insert from housing in the following fashion:

a. For Spherical OD Inserts:
Using a bar placed in the insert bore as a lever, swing the insert to line up the outer ring with the load slots and remove insert from load slots.



b. For Expansion (AR) Inserts:
Slide the insert in the axial direction out of the housing.



Step 4: Inspect and Prepare Housing

Housings should be inspected for damage prior to installation. Wipe housing bore clean as necessary and check that the lubrication hole is clean and free of debris. Wetting of the housing bore with oil or grease may be done to ease installation of bearing insert.

Step 5: Load New Insert

With the bearing housing still in the vise, load the insert in the following fashion:

a. For Spherical OD Inserts:

i. Place the bearing insert into the housing load slots, positioning the insert outer ring dimple and lubrication hole in line with the housing lubrication hole.

ii. Using a bar placed in the insert bore as a lever, swing the insert into place within the housing. Insert should have a snug fit in the housing. If insert can be made to swivel by hand in the housing bore, fit is too lose and entire unit should be replaced. If heavy force is required, fit is too tight and entire unit should be replaced.

iii. Ensure alignment of the outer ring dimple and lubrication hole and housing lubrication hole.

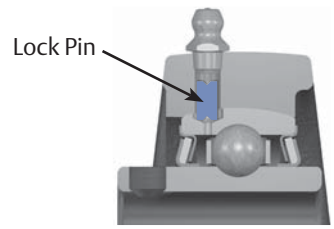
b. For Expansion (AR) Inserts

i. Slide bearing insert into the housing.

ii. Ensure alignment of the outer ring dimple and lubrication hole, brass ring lubrication hole, and housing lubrication hole.

Step 6: Install Lock Pin and Lubrication Fitting

Place the lock pin in the housing lubrication hole, ensuring that it seats in the outer ring dimple. Tighten the lubrication fitting into the housing lubrication hole until snug, then loosen ¼ turn.



NOTICE:

Over tightening or under tightening of the lubrication fitting may lead to reduction in bearing performance.

Step 7: Refer to Steps 1 - 6 from the "Mounting Housed Bearing Units" Section Pages G-246 to G-247

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Sealmaster Material Handling Mounted Ball Bearing Housed Units

NOTICE

• These bearings are designed for maximum permissible static misalignment of ± 1 1/2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 1 1/2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in the table, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

SM MH Table 1

Recommended Shaft Tolerances	
Nominal Bore Diameter	Tolerance (inch)
1/2 - 1 15/16	+0.0000 / -0.0005
2 - 3 3/16	+0.0000 / -0.0010

Step 2: Check Support Surfaces

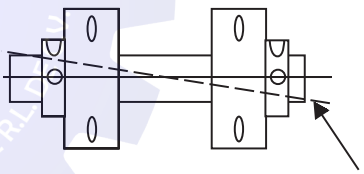
Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.

Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible. Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



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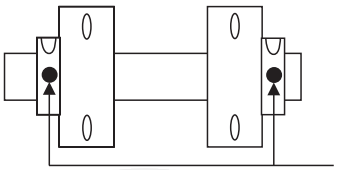
Sealmaster Material Handling Mounted Ball Bearing Housed Units continued

Step 6: Tighten Locking Mechanism

a. Setscrew Locking Inserts

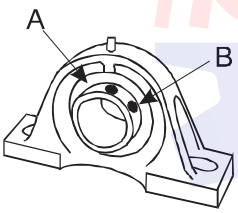
Setscrews in multiple bearing applications should be aligned as shown.



Tighten bearing units to the shaft as follows:

i. Torque the first setscrew "A" to one half of the recommended torque in Table 2.

ii. Torque the second setscrew "B" to the full recommended torque. Go back to the first setscrew "A" and tighten to the full recommended torque.



If the bearing unit has setscrew locking on both sides of the inner ring (Double Lock Setscrew), repeat the same procedure for the second pair of setscrews. Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

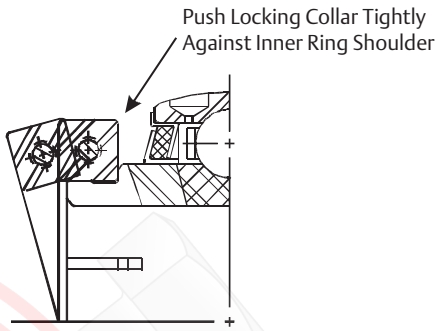
SM MH Table 2

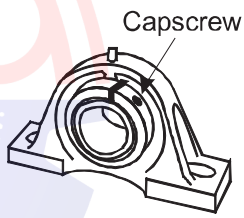
Setscrew Torque		
Screw Size	Hex Size	Inch-Pounds
1/4-28	1/8	65 - 85
5/16-24	5/32	125 - 165
3/8-24	3/16	230 - 300

b. Skwezloc Locking Inserts

i. Be sure that the Skwezloc collar is fitted square and snug against the shoulder on the inner ring as shown.

ii. Torque the Skwezloc collar cap screw to the full recommended torque in Table 3.





SM MH Table 3

Skwezloc Concentric Locking Collar Cap Screw Torque		
Screw Size	Torx Size	Inch-Pounds
# 8-32	T-25	70
# 10-24	T-27	100
1/4-20	T-30	240

Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

Step 7: End Cover Installation

Position the cap so it is flush with the housing, and align the removal nub in the 12 o'clock position. Press evenly on end of cap by hand to install in the machined housing groove.

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Replacing Existing Sealmaster Material Handling Inserts:

Note: Replacement Sealmaster bearing inserts are intended for use in Sealmaster housings only.

NOTICE

• These bearings are designed for maximum permissible static misalignment of ± 1 1/2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 1 1/2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Loosen and Remove Housing Mounting Bolts

Step 2: Remove Bearing from Shaft

Remove the end cover. Loosen the locking mechanism and slide the bearing off the shaft.

Step 3: Remove the Bearing Insert from the Housing

Secure housing in a vise. Using a bar placed in the insert bore as a lever, swing the insert to line up the outer ring with the load slots and remove insert from load slots.

Step 4: Inspect and Prepare Housing

Housings should be inspected for damage prior to installation. Wipe housing bore clean as necessary and check that the lubrication groove and hole are clean and free of debris. Wetting of the housing bore with oil or grease may be done to ease installation of bearing insert.

Step 5: Load New Insert

With the bearing housing still in the vise, load the insert in the following fashion:

a. Place the bearing insert into the housing load slots, positioning the anti rotation rivet on the outer ring in the load slot as to not shear it off when the swinging insert into place. Also, position the outer ring lubrication hole so it will install in line with the housing lubrication hole.

b. Using a bar placed in the insert bore as a lever, swing the insert into place within the housing. Insert should have a snug fit in the housing. If insert can be made to swivel by hand in the housing bore, fit is too lose and entire unit should be replaced. If heavy force is required, fit is too tight and entire unit should be replaced.

c. Ensure alignment of the anti rotation rivet in the load slot and outer ring lubrication hole in the housing lubrication hole.

Step 6: Refer to Steps 1 - 6 from the “Mounting Housed Bearing Units” Section Pages G-251 to G-252

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Sealmaster Gold and Material Handling Bearing Lubrication:

All Sealmaster Gold and Material Handling Ball Bearings are delivered with a high quality lithium complex grease with an EP additive. The bearing is ready for use with no initial lubrication required. The grease consists of a lithium complex thickener, mineral oil, and NLGI grade 2 consistency. Compatibility of grease is critical; therefore consult with Application Engineering and your grease supplier to insure greases are compatible. For best performance it is recommended to relubricate with lithium complex thickened grease with a comparable NLGI consistency and base oil properties.

Relubricatable Sealmaster bearings are supplied with grease fittings or zerks for ease of lubrication with hand or automatic grease guns. Always wipe the fitting and grease nozzle clean.

Note: Sealmaster bearings with the RM suffix are Reduced Maintenance Bearings (ex. NP-16 RM). Sealmaster Reduced Maintenance Bearings are designed to operate with the standard factory fill of grease and are designed not to be lubricated.

CAUTION: If possible, it is recommended to lubricate the bearing while rotating, until grease purge is seen from the seals. If this is not an option due to safety reasons, follow the alternate lubrication procedure below.

Re-Lubrication Procedure:

Stop rotating equipment. Add one half of the recommended amount shown in Table 1. Start the bearing and run for a few minutes. Stop the bearing and add the second half of the recommended amount. A temperature rise after lubrication, sometimes 30°F (17°C), is normal. Bearing should operate at temperatures less than 200°F (94°C) and should not exceed 250° (121°C) for intermittent operation. For lubrication guidelines, see Tables 2 and 3.

Note: Tables 2 and 3 are general recommendations. Experience and testing may be required for specific applications.

Note: Grease charges in Table 1 are based on the use of lithium complex thickened grease with a NLGI grade 2 consistency.

Note: The Maximum Operational Speeds listed in Table 2 and 3 are based on the use of a single lock setscrew insert with felt seals. For maximum operational speeds of other locking mechanisms and seals, refer to speed rating section or consult Application Engineering.

LO and XLO Relubrication Frequency

LO and XLO bearings are designed for applications which require the bearing to operate with less torque or drag than a standard bearing.

Note: Addition of lubricant to the bearing will increase bearing drag.

If relubrication is necessary:
1. Add a very small amount of lubricant
2. Check bearing rotational torque (be sure that the bearing still rotates freely enough for the application.)

Sealmaster Ball Lube Table 1 / Grease Charge for Relubrication

Series	Bore Diameter		Grease Charge (Mass - Ounces)	Bore Diameter	Grease Charge (Mass - Ounces)
	Gold - Performance			Material Handling Bearing	
	Standard Duty	Medium Duty			
2-012	1/2 - 3/4	-	0.03	-	-
2-015	13/16 - 1	-	0.04	1	0.03
2-13	1 1/16 - 1 1/4R	15/16 - 1	0.09	1 1/16 - 1 1/4R	0.06
2-17	1 1/4 - 1 7/16	1 3/16	0.13	1 1/4 - 1 7/16	0.09
2-19	1 1/2 - 1 9/16	1 7/16	0.18	1 1/2 - 1 9/16	0.14
2-111	1 5/8 - 1 3/4	1 1/2	0.20	1 5/8 - 1 3/4	0.16
2-115	1 13/16 - 2R	1 11/16 - 1 3/4	0.22	1 13/16 - 2R	0.18
2-23	2 - 2 3/16	1 15/16	0.30	2 - 2 3/16	0.25
2-27	2 1/4 - 2 7/16	2 3/16	0.38	-	-
2-211	2 1/2 - 2 11/16	2 7/16 - 2 1/2	0.53	-	-
2-215	2 13/16 - 2 15/16	2 11/16	0.62	-	-
2-33	3 - 3 3/16	2 15/16	0.88	-	-
2-37	3 1/4 - 3 7/16	3 3/16	1.11	-	-
2-38	3 1/2	3 7/16	1.37	-	-
2-43	3 15/16 - 4 3/16	3 15/16 - 4	2.50	-	-
2-47	5	4 7/16 - 4 15/16	3.91	-	-

Sealmaster Relubrication Frequency

Sealmaster Ball Lube Table 2

Environment	Temperature (°F)	Speed (% Catalog Max)	Frequency
Dirty	-20 to 250	0 - 100%	Daily to 1 Week
Clean	-20 to 125	0 - 25%	4 to 10 Months
		26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
	125 to 175	0 - 25%	2 to 6 Weeks
		26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
		76 - 100%	
	175 to 250	0 - 100%	

Sealmaster High Temperature Suffix Modified Bearing Relubrication Frequency

Sealmaster Ball Lube Table 3

Environment	Temperature (°F)	Speed (% Catalog Max)	HT / HTC / HTA Suffix (1)	HI Suffix (2)
Dirty	-20 to 400	0 - 100%	Daily to 1 Week	Daily to 1 Week
Clean	200 to 300	0 - 25%	1 to 3 Months	6 to 12 Months
		26 - 50%	2 to 6 Weeks	2 to 6 Months
		51 - 75%	Daily to 1 Week	2 Weeks to 2 Months
		76 - 100%	Daily to 1 Week	Daily to 1 Week
	300 to 400	0 - 25%	2 Weeks to 1 Month	3 to 6 Months
		26 - 50%	1 to 2 Weeks	1 to 3 Months
		51 - 75%	Daily to 1 Week	1 Week to 1 Month
		76 - 100%	Daily to 1 Week	Daily to 1 Week

(1) Use high quality lithium complex grease, NLGI#2 and synthetic hydrocarbon oil with ISO 220 viscosity
(2) Use Krytox GPL-226, no substitutions

*DuPont is a registered trademark of E.I. du Pont de Nemurs and Company. This trade name, trademark and/or registered trademark is property of their respective owner and is not owned or controlled by Regal Power Transmission Solutions.

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Browning Mounted Ball Bearing Housed Units

NOTICE

• These bearings are designed for maximum permissible static misalignment of ± 1 1/2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 1 1/2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in the table, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

BMD Table 1

Recommended Shaft Tolerances	
Nominal Bore Diameter	Tolerance (Inches)
1/2 - 1 15/16	+0.0000 / -0.0005
2 - 2 7/16	+0.0000 / -0.0010

Step 2: Check Support Surfaces

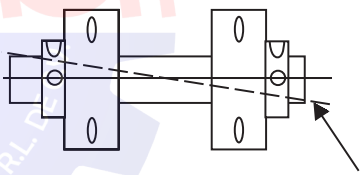
Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.

Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible. Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



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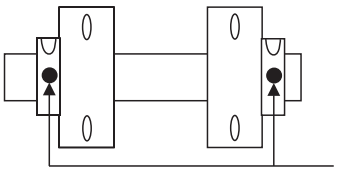
Browning Mounted Ball Bearing Housed Units continued

Step 5: Tighten Locking Mechanism

a. Setscrew Locking Inserts

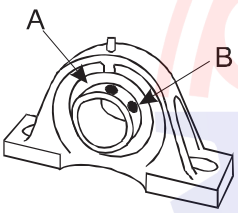
Setscrews in multiple bearing applications should be aligned as shown.



Tighten bearing units to the shaft as follows:

i. Torque the first setscrew "A" to one half of the recommended torque in Table 2.

ii. Torque the second setscrew "B" to the full recommended torque. Go back to the first setscrew "A" and tighten to the full recommended torque.



BMD Table 2

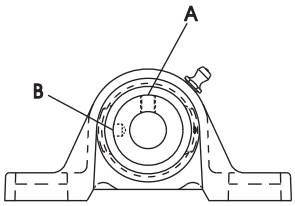
Setscrew Recommended Torque		
Screw Size	Hex Size	Inch-Pounds
1/4-28	1/8	65 - 85
5/16-24	5/32	125 - 165
3/8-24	3/16	230 - 300
7/16-20	7/32	350 - 450
1/2-20	1/4	500 - 650
5/8-18	5/16	1100 - 1440

b. Eccentric Locking Inserts

i. Place collar on inner race and rotate by hand in direction of shaft rotation until eccentrics are engaged.

ii. Insert drift pin into the hole in the collar O.D. (B) and lock in direction of shaft rotation with the aid of small hammer.

iii. Torque single setscrew (A) to recommended torque in Table 3.

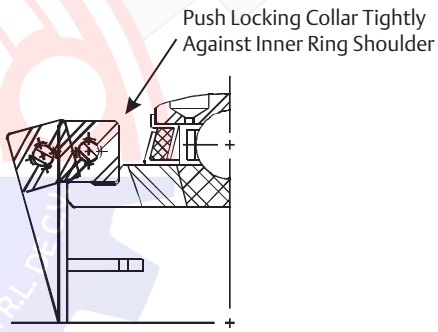


BMD Table 3

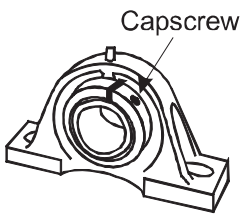
Eccentric Locking Recommended Torque		
Screw Size	Hex Size	Inch-Pounds
1/4-28	1/8	65 - 85
5/16-24	5/32	125 - 165
3/8-24	3/16	230 - 300
7/16-20	7/32	350 - 450
1/2-20	1/4	500 - 650
5/8-18	5/16	1100 - 1440

c. BOA Locking Inserts

i. Be sure that the BOA collar is fitted square and snug against the shoulder on the inner ring as shown.



ii. Torque the BOA collar cap screw to the full recommended torque in Table 4.



BMD Table 4

BOA Concentric Locking Collar Cap Screw Torque		
Screw Size	Torx Size	Inch-Pounds
# 8-32	T-25	70
# 10-24	T-27	100
1/4-20	T-30	240
5/16-18	T-45	495

Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

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Mounting Cylindrical O.D. (VER Style) Inserts:

Step 1: Inspect and Prepare Housing
To achieve proper bearing fit, the housing should be machined to the correct bore size. For recommended housing bore sizes, refer to the Browning bearing catalog or consult Application Engineering. The housing bearing seat should be wiped clean and free of debris.

Step 2: Install Unit in Housing
Press bearing into housing by applying force to the face of the outer ring. Do not hammer on any component of the bearing or apply force to the inner ring.

Step 3: Refer to Steps 1 - 5 from the "Mounting Housed Bearing Units" Section Pages G-255 to G-256

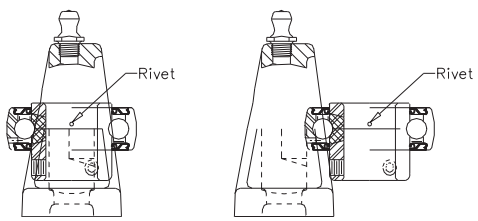
Replacing Existing Browning Inserts:

Note: Replacement Browning bearing inserts are intended for use in Browning housings only.

Step 1: Loosen and Remove Housing Mounting Bolts

Step 2: Remove Bearing from Shaft
Loosen the locking mechanism and slide the bearing off the shaft.

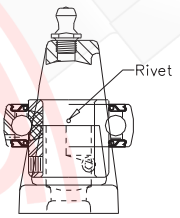
Step 3: Remove the Bearing Insert from the Housing
Secure housing in a vise. Using a bar placed in the insert bore as a lever, swing the insert to line up the outer ring with the load slots and remove insert from load slots.



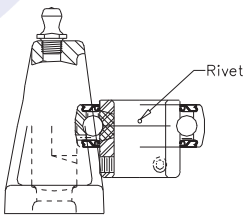
Step 4: Inspect and Prepare Housing
Housings should be inspected for damage prior to installation. Wipe housing bore clean as necessary and check that the lubrication groove and hole are clean and free of debris. Wetting of the housing bore with oil or grease may be done to ease installation of bearing insert.

Step 5: Load New Insert
With the bearing housing still in the vise, load the insert in the following fashion:

a. Place the bearing insert into the housing load slots, positioning the anti rotation rivet on the outer ring in the load slot as to not shear it off when the swinging insert into place. Also, position the outer ring lubrication hole so it will install in line with the housing lubrication hole.



b. Using a bar placed in the insert bore as a lever, swing the insert into place within the housing. Insert should have a snug fit in the housing. If insert can be made to swivel by hand in the housing bore, fit is too lose and entire unit should be replaced. If heavy force is required, fit is too tight and entire unit should be replaced.



c. Ensure alignment of the anti rotation rivet in the load slot and outer ring lubrication hole in the housing lubrication hole.

Step 6: Refer to Steps 1 - 5 from the "Mounting Housed Bearing Units" Section Pages G-255 to G-256

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Browning Mounted Ball Lubrication:

All Browning Ball Bearings are delivered with a high quality lithium complex grease with an EP additive. The bearing is ready for use with no initial lubrication required. The grease consists of a lithium complex thickener, mineral oil, and NLGI grade 2 consistency.

Compatibility of grease is critical; therefore consult with Application Engineering and your grease supplier to insure greases are compatible. For best performance it is recommended to relubricate with lithium complex thickened grease with a comparable NLGI consistency and base oil properties.

Relubricatable Browning bearings are supplied with grease fittings or zerks for ease of lubrication with hand or automatic grease guns. Always wipe the fitting and grease nozzle clean.

CAUTION: If possible, it is recommended to lubricate the bearing while rotating, until grease purge is seen from the seals. If this is not an option due to safety reasons, follow the alternate lubrication procedure below.

Re-Lubrication Procedure:

Stop rotating equipment. Add one half of the recommended amount shown in Table 1. Start the bearing and run for a few minutes. Stop the bearing and add the second half of the recommended amount. A temperature rise after lubrication, sometimes 30°F (17°C), is normal. Bearing should operate at temperatures less than 200°F (94°C) and should not exceed 250° (121°C) for intermittent operation. For lubrication guidelines, see Table 2.

Note: Table 2 is general recommendations. Experience and testing may be required for specific applications.

Note: Grease charges in Table 1 are based on the use of lithium complex thickened grease with a NLGI grade 2 consistency.

Browning Lube Table 1
Grease Charge for Relubrication

Series	Shaft Size		Grease Charge (Mass - Ounces)
	100 & 200 Series	300 Series	
	Intermediate & Standard Duty	Medium Duty	
L-10	1/2 - 5/8	x	0.02
2-012	3/4	x	0.03
2-015	13/16 - 1	x	0.03
2-13	1 1/16 - 1 1/4S	15/16 - 1	0.06
2-17	1 1/4 - 1 7/16	1 3/16	0.09
2-19	1 1/2 - 1 9/16	1 7/16	0.14
2-111	1 5/8 - 1 3/4	1 1/2	0.16
2-115	1 13/16 - 2	1 11/16 - 1 3/4	0.18
2-23	2 - 2 3/16	1 15/16	0.25
2-27	2 1/4 - 2 7/16	2 3/16	0.35
2-211	2 1/2 - 2 11/16	2 7/16 - 2 1/2	0.46
2-215	2 13/16 - 2 15/16	2 11/16	0.48
2-33	x	2 15/16 - 3	0.65
2-38	x	3 7/16 - 3 1/2	1.05
2-43	x	3 15/16	1.77

Browning Lube Table 2
Relubrication Recommendations

Environment	Temperature (°F)	Speed (% Catalog Max)	Frequency
Dirty	-20 to 250	0 - 100%	Daily to 1 Week
Clean	-20 to 125	0 - 25%	4 to 10 Months
		26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
	125 to 175	0 - 25%	2 to 6 Weeks
		26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
		76 - 100%	
	175 to 250	0 - 100%	Daily to 1 Week

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Cylindrical OD Housing Fit Guidelines

Tables 14-15 list fit up guidelines for light load conveyor roll application per ABMA J6 fit. Testing and experience is needed to verify if this fit is sufficient for specific operation conditions. If tighter press fit is needed, contact Application Engineering to review if the standard bearing internal clearance is sufficient or a modified clearance is needed to prevent reduction or elimination of internal clearance.

For best reliability, bearings and housings should be selectively matched to reduce variation in fit up due to manufacturing tolerances of the bearing outside diameter and housing bore. Roll pockets should be machined parallel with the axis of the shaft and both sides should be on the same centerline to minimize potential for misalignment.

Table 14 - ER, VER and Cylindrical OD Insert Bearing Housing/Roll Bore

					Dimensions inch / mm									
Bore Diameter		Sealmaster ER	Browning VER	Nominal Outside Diameter	Outside Diameter*		Stationary Housing				Revolving Housing			
							Diameters		Theoretical Fit		Diameters		Theoretical Fit	
inch	mm				Max	Min	Max	Min	Tight	Loose	Max	Min	Tight	Loose
1/2	-	ER-8	VER-208											
9/16	-	ER-9	-											
5/8	-	ER-10	VER-210	1.8504	1.8504	1.8499	1.8509	1.8503	.0001	.0010	1.8504	1.8498	.0006	.0005
11/16	-	ER-11	-	47	47.002	46.9875	47.0129	46.9976	.0025	.0254	47.002	46.9848	.0152	.0127
3/4	-	ER-12	VER-212											
-	20	ER-204	-											
7/8	-	ER-14	VER-214											
15/16	-	ER-15	VER-215	2.0472	2.0472	2.0466	2.0476	2.0471	.0001	.0010	2.0471	2.0466	.0006	.0005
1	-	ER-16	VER-216	52	51.9989	51.9836	52.0090	51.9963	.0025	.0254	51.9963	51.9836	.0152	.0127
-	25	ER-205	-											
1 1/16	-	ER-17	VER-217											
1 1/8	-	ER-18	VER-218											
1 3/16	-	ER-19	VER-219	2.4409	2.4409	2.4403	2.4413	2.4408	.0001	.0010	2.4408	2.4403	.0006	.0005
1 1/4	-	ER-20R	VER-220S	62	61.9989	61.9836	62.0090	61.9963	.0025	.0254	61.9963	61.9836	.0152	.0127
-	30	ER-206	-											
1 1/4	-	ER-20	VER-220											
1 5/16	-	ER-21	-											
1 3/8	-	ER-22	VER-222	2.8364	2.8346	2.8340	2.8350	2.8345	.0001	.0010	2.8345	2.8340	.0006	.0005
1 7/16	-	ER-23	VER-223	72	71.9988	71.9836	72.0090	71.9963	.0025	.0254	71.9963	71.98836	.0152	.0127
-	35	ER-207	-											
1 1/2	-	ER-24	VER-224											
1 9/16	-	ER-25	VER-225	3.1496	3.1496	3.1490	3.1500	3.1495	.0001	.0010	3.1495	3.1490	.0006	.0005
-	40	ER-208	-	80	79.9998	79.9846	80.0100	79.9973	.0025	.0254	79.9973	79.9846	.0152	.0127
1 5/8	-	ER-26	VER-226											
1 11/16	-	ER-27	VER-227	3.3465	3.3465	3.3459	3.3470	3.3464	.0001	.0013	3.3464	3.3458	.0007	.0007
1 3/4	-	ER-28	VER-228	85	85.0011	84.9808	85.0138	84.9986	.0025	.0330	84.9986	84.9833	.0178	.0178
-	45	ER-209	-											

This chart displays the recommended housing dimensions for Sealmaster ER and Browning VER ball bearings at the various bore diameters and nominal Outer Diameter. For Sealmaster ER with Skwezloc Concentric locking use the similar size ER with setscrew locking as shown. For other Browning Cylindrical O.D. bearings use the similar nominal dimensioned bearing.

* Outside diameter may be slightly oversized due to seal press fit, dimensions listed are as measured prior to seal assembly.

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Table 14 - ER, VER and Cylindrical OD Insert Bearing Housing/Roll Bore cont.

Bore Diameter		Sealmaster ER	Browning VER	Nominal Outside Diameter	Dimensions inch / mm									
					Outside Diameter*		Stationary Housing				Revolving Housing			
							Diameters		Theoretical Fit		Diameters		Theoretical Fit	
inch	mm				Max	Min	Max	Min	Tight	Loose	Max	Min	Tight	Loose
1 13/16	-	ER-29	-	3.5433 90	3.5433 89.998	3.5425 89.9795	3.5438 90.0125	3.5432 89.9972	.0001 .0025	.0013 .0330	3.5432 89.9973	3.5426 89.9820	.0007 .0178	.0007 .0178
1 7/8	-	ER-30	-											
1 15/16	-	ER-31	VER-231											
2	-	ER-32R	VER-232S											
-	50	ER-210	-											
2	-	ER-32	VER-232	3.937 100	3.9370 99.9998	3.9362 99.9795	3.9375 100.0125	3.9369 99.9973	.0001 .0025	.0013 .0330	3.9369 99.9973	3.9363 99.9820	.0007 .0178	.0007 .0178
2 1/8	-	ER-34	-											
2 3/16	-	ER-35	VER-235											
-	55	ER-211	-											
2 1/4	-	ER-36	VER-236	4.3307 110	4.3307 109.9998	4.3299 109.9795	4.3312 110.0125	4.3306 109.9972	.0001 .0025	.0013 .0330	4.3306 109.9972	4.3300 109.9820	.0007 .0178	.0007 .0178
2 3/8	-	ER-38	VER-238											
2 7/16	-	ER-39	VER-239											
-	60	ER-212	-											
2 1/2	-	ER-40	-	4.9213 125	4.9213 125.0010	4.9203 124.9756	4.9219 125.0163	4.9211 124.9959	.0002 .0051	.0016 .0406	4.9212 124.9985	4.9204 124.9782	.0009 .0229	.0009 .0229
2 11/16	-	ER-43	-											
-	70	ER-214	-											
2 7/8	-	ER-46	-	5.1181 130	5.1181 129.9997	5.1171 129.9743	5.1187 130.0150	5.1179 129.9947	.0002 .0051	.0016 .0406	5.1180 129.9972	5.1172 129.9769	.0009 .0229	.0009 .0229
2 15/16	-	ER-47	-											
-	75	ER-215	-											
3	-	ER-48	-	5.5118 140	5.5118 139.9997	5.5108 139.9743	5.5124 140.0150	5.5116 139.9946	.0002 .0051	.0016 .0406	5.5117 139.9972	5.5109 139.9769	.0009 .0229	.0009 .0229
3 3/16	-	ER-51	-											
-	80	ER-216	-											
3 1/4	-	ER-52	-	5.9055 150	5.9055 148.9997	5.9045 149.9743	5.9061 150.0149	5.9053 149.9946	.0002 .0051	.0016 .0406	5.9054 149.9972	5.9046 149.9768	.0009 .0229	.0009 .0229
3 3/8	-	ER-54	-											
3 7/16	-	ER-55	-											
3 15/16	-	ER-63	-	7.4803 190	7.4803 189.9996	7.4791 189.9691	7.4815 190.0301	7.4801 189.9945	.0002 .0051	.0024 .0610	7.4805 190.0047	7.4791 189.9691	.0012 .0305	.0014 .0356
4	-	ER-64	-											

This chart displays the recommended housing dimensions for Sealmaster ER and Browning VER ball bearings at the various bore diameters and nominal Outer Diameter. For Sealmaster ER with Skwezloc Concentric locking use the similar size ER with setscrew locking as shown. For other Browning Cylindrical O.D. bearings use the similar nominal dimensioned bearing.
* Outside diameter may be slightly oversized due to seal press fit, dimensions listed are as measured prior to seal assembly.

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Table 15 - Sealmaster SC and MSC Housing Bore

Standard Duty			Medium Duty			Nominal Outside Diameter	Housing Dimension Recommendations inch/mm					
Bore Diameter		Part No.	Bore Diameter		Part No.		Outside Diameter		Stationary Housing		Revolving Housing	
						inch mm	Diameters		Diameters		Diameters	
inch	mm		inch	mm			Max	Min	Max	Min	Max	Min
1/2	-	SC-8	-	-	-	2 11/16 68.26	2.6885 68.288	2.6865 68.237	2.6905 68.339	2.6885 68.288	2.6875 68.263	2.6855 68.212
9/16	-	SC-9	-	-	-							
5/8	-	SC-10	-	-	-							
11/16	-	SC-11	-	-	-							
3/4	-	SC-12	-	-	-	2 15/16 74.61	2.9385 74.638	2.9365 74.587	2.9405 74.689	2.9385 74.638	2.9375 74.613	2.9355 74.562
-	20	SC-204	-	-	-							
13/16	-	SC-13	-	-	-	3 1/8 79.38	3.1260 79.400	3.1240 79.350	3.1280 79.451	3.1260 79.400	3.1250 79.375	3.1230 79.324
7/8	-	SC-14	-	-	-							
15/16	-	SC-15	-	-	-							
1	-	SC-16	-	-	-							
-	25	SC-205	-	-	-							
1 1/16	-	SC-17	-	-	-	3 1/2 88.90	3.5010 88.925	3.4990 88.875	3.5030 88.976	3.5010 88.925	3.5000 88.900	3.4980 88.849
1 1/8	-	SC-18	15/16	-	MSC-15							
1 3/16	-	SC-19	1	-	MSC-16							
1 1/4	-	SC-20R	-	25	MSC-305							
-	30	SC-206	-	-	-							
1 1/4	-	SC-20	-	-	-	3 7/8 98.43	3.8760 98.450	3.8740 98.400	3.8780 98.501	3.8760 98.450	3.8750 98.425	3.8730 98.374
1 5/16	-	SC-21	1 3/16	-	MSC-19							
1 3/8	-	SC-22	1 1/4	-	MSC-20							
1 7/16	-	SC-23	-	30	MSC-306							
-	35	SC-207	-	-	-							
1 1/2	-	SC-24	1 3/8	-	MSC-22	4 3/16 106.36	4.1885 106.388	4.1865 106.337	4.1905 106.439	4.1885 106.388	4.1875 106.363	4.1855 106.312
1 9/16	-	SC-25	1 7/16	-	MSC-23							
-	40	SC-208	-	35	MSC-307							
1 5/8	-	SC-26	-	-	-	4 3/8 111.13	4.3760 111.150	4.3740 111.100	4.3780 111.201	4.3760 111.150	4.3750 111.125	4.3730 111.074
1 11/16	-	SC-27	1 1/2		MSC-24							
1 3/4	-	SC-28	-	40	MSC-308							
-	45	SC-209	-	-	-							
1 13/16	-	SC-29	-	-	-	4 9/16 115.89	4.5635 115.913	4.5615 115.862	4.5655 115.964	4.5635 115.913	4.5625 115.888	4.5605 115.837
1 7/8	-	SC-30	1 11/16	-	MSC-27							
1 15/16	-	SC-31	1 3/4	-	MSC-28							
2	-	SC-32R	-	45	MSC-309							
-	50	SC-210	-	-	-							

This chart displays the recommended housing dimensions for Sealmaster SC and MSC ball bearings at the various bore diameters and nominal Outer Diameter. For Sealmaster SC and MSC with Skwezloc Concentric locking use the similar size SC or MSC with setscrew locking as shown.

For additional assistance contact Application Engineering at (800) 626-2093.

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Table 15 - Sealmaster SC and MSC Housing Bore cont.

Standard Duty			Medium Duty			Nominal Outside Diameter	Housing Dimension Recommendations inch/mm					
Bore Diameter		Part No.	Bore Diameter		Part No.		Outside Diameter		Stationary Housing		Revolving Housing	
						inch mm	Diameters		Diameters		Diameters	
inch	mm		inch	mm			Max	Min	Max	Min	Max	Min
2	-	SC-32	1 15/16	-	MSC-31	4 15/16 125.41	4.9385 125.438	4.9365 125.387	4.9405 125.489	4.9385 125.438	4.9375 125.413	4.9355 125.362
2 1/8	-	SC-34	2	-	MSC-32							
2 3/16	-	SC-35	-	50	MSC-310							
-	55	SC-211	-	-	-							
-	-	-	-	-	-							
2 1/4	-	SC-36	2 3/16	-	MSC-35	5 7/8 149.23	5.8760 149.250	5.8740 149.200	5.8780 149.301	5.8760 149.250	5.8750 149.225	5.8730 149.174
2 3/8	-	SC-38	2 1/4	-	MSC-36							
2 7/16	-	SC-39	-	55	MSC-311							
-	60	SC-212	-	-	-							
2 1/2	-	SC-40	2 7/16	-	MSC-39	6 1/4	6.2510 158.775	6.2490 158.725	6.2530 158.826	6.2510 158.775	6.2500 158.750	6.2480 158.699
2 11/16	-	SC-43	2 1/2	-	MSC-40							
-	70	SC-214	-	65	MSC-313							
2 7/8	-	SC-46	2 11/16	-	MSC-43	6 5/8 168.28	6.6260 168.300	6.6240 168.250	6.6280 168.351	6.6260 168.300	6.6250 168.275	6.6230 168.224
2 15/16	-	SC-47	2 3/4	-	MSC-44							
-	75	SC-215	-	70	MSC-314							
-	-	-	2 15/16	-	MSC-47	7 158.75	7.0010 177.825	6.9990 177.775	7.0030 177.876	7.0010 177.825	7.0000 177.800	6.9980 177.749
-	-	-	3	-	MSC-48							
-	-	-	-	75	MSC-315							
-	-	-	3 3/16	-	MSC-51	7 7/16 168.28	7.4385 188.938	7.4365 188.887	7.4405 188.989	7.4385 188.938	7.4375 188.913	7.4355 188.862
-	-	-	3 1/4	-	MSC-52							
-	-	-	3 3/8	-	MSC-54							
-	-	-	-	80	MSC-316							
-	-	-	3 7/16	-	MSC-55	8 3/16 177.80	8.1885 207.988	8.1865 207.937	8.1905 208.039	8.1885 207.988	8.1875 207.963	8.1855 207.912
-	-	-	3 1/2	-	MSC-56							
-	-	-	3 15/16	-	MSC-63	9 1/2 188.91	9.5010 241.325	9.4990 241.275	9.5030 241.376	9.5010 241.325	9.5000 241.300	9.4980 241.249
-	-	-	4	-	MSC-64							
-	-	-	-	100	MSC-320							

This chart displays the recommended housing dimensions for Sealmaster SC and MSC ball bearings at the various bore diameters and nominal Outer Diameter. For Sealmaster SC and MSC with Skwezloc Concentric locking use the similar size SC or MSC with setscrew locking as shown.

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Vibration Analysis

BALL BEARINGS VIBRATION ANALYSIS

The following equations are used to calculate the fundamental frequencies for Sealmaster and Browning Ball Bearings.

1. If the insert number is known, proceed to step 2. For housed units, identify the bearing insert number by looking up the unit in the dimension tables, then proceed to step 2.

2. Find the Sealmaster or Browning insert number in Table 16 below and identify the series.

3. Select the vibration geometry information (O, I, B, F) from Table 16.

4. Use this information to calculate the fundamental bearing frequencies:
   - Outer Ball Pass Frequency (Hz) = O x RPM
   - Inner Ball Pass Frequency (Hz) = I x RPM
   - Ball Spin Frequency (Hz) = B x RPM
   - Fundamental Train Frequency (Hz) = F x RPM

Symbol Description Units

RPM = Revolutions per Minute RPM
O = Outer Race Frequency Factor
I = Inner Race Frequency Factor
B = Ball Spin Frequency Factor
F = Fundamental Train Frequency Factor

Table 16 - Vibration Geometry Information

Series	Standard Duty Bore Diameter		Medium Duty Bore Diameter		Pitch Diameter (inch) dM	Number Of Balls N	Size of Balls (inch) D	Factor For Outer Race O	Factor For Inner Race I	Factor For Ball Spin B	Factor for F.T.F. F
	inch	mm	inch	mm							
*L-10	*1/2 to 5/8	N/A	-	-	1.138	9	1/4	0.0585	0.0915	0.0361	0.0065
2-012	1/2 to 3/4	20mm	-	-	1.345	9	9/32	0.0593	0.0907	0.0381	0.0066
2-015	13/16 to 1	25mm	-	-	1.544	10	9/32	0.0682	0.0985	0.0442	0.0068
2-13	1 1/16 to 1 1/4R or S	30mm	15/16 to 1	25mm	1.812	9	3/8	0.0595	0.0905	0.0385	0.0066
2-17	1 1/4 to 1 7/16	35mm	1 3/16	30mm	2.115	9	7/16	0.0595	0.0905	0.0386	0.0066
2-19	1 1/2 to 1 9/16	40mm	1 7/16	35mm	2.362	9	1/2	0.0591	0.0909	0.0376	0.0066
2-111	1 5/8 to 1 3/4	45mm	1 1/2	40mm	2.596	10	1/2	0.0673	0.0994	0.0417	0.0067
2-115	1 13/16 to 2R	50mm	1 11/16 to 1 3/4	45mm	2.763	10	1/2	0.0683	0.0984	0.0445	0.0068
2-23	2 to 2 3/16	55mm	1 15/16	50mm	3.051	10	9/16	0.0680	0.0987	0.0437	0.0068
2-27	2 1/4 to 2 7/16	60mm	2 3/16	55mm	3.356	10	5/8	0.0678	0.0989	0.0432	0.0068
2-211	2 1/2 to 2 11/16	70mm	2 7/16 to 2 1/2	65mm	3.846	10	11/16	0.0684	0.0982	0.0451	0.0068
2-215	2 7/8 to 2 15/16	75mm	2 11/16	70mm	4.045	11	11/16	0.0761	0.1072	0.0476	0.0069
2-33	3 to 3 3/16	80mm	2 15/16 to 3	75mm	4.362	11	3/4	0.0759	0.1074	0.0470	0.0069
2-37	3 1/4 to 3 7/16	-	3 3/16	80mm	4.627	11	25/32	0.0762	0.1071	0.0479	0.0069
2-38	3 1/2	90mm	3 7/16	-	4.922	10	7/8	0.0685	0.0981	0.0454	0.0069
2-43	3 15/16 to 4	-	3 15/16 to 4	100mm	5.808	10	1 1/16	0.0681	0.0986	0.0440	0.0068
3-47	5	-	4 7/16 to 4 15/16	-	7.087	10	1 1/4	0.0686	0.0980	0.0458	0.0069

For specific bearing insert, refer to load rating page G-227 to G-229 to determine series
*L-10 series only applies to Browning units for the Bore Diameters shown. For VER-208 and 210 units use the 2-012 series values

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Mounted Ball Bearing Engineering see page G-220.

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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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MOUNTED SPHERICAL ROLLER BEARINGS

Modular bearing assembly consisting of sealed and lubricated inch spherical bearing with collar (setscrew) or concentric (adapter mount) locking system contained within a variety of housings types, mounting styles, and housing materials. Mounted spherical roller bearings provide an antifriction solution when supporting rotating shafts with combination radial and thrust loads.

Housing Styles
Pillow Block, Flanges, Take Up Assemblies

Locking Styles
Collar (Setscrew) Or Concentric (Adapter Mount)

Bore Size Range
1 1/8" To 8"

Housing Materials
Cast & Ductile Iron

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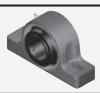
MOUNTED ROLLER BEARING SELECTION GUIDE

		SERIES	HOUSING STYLE
Sealmaster USRB		USRB5000	Two Bolt Pillow Block
		USRBF5000	Four Bolt Pillow Block
		USRB5000	Four Bolt Pillow Block (No F prefix for 4 7/16" - 4 15/16")
		USRB5500	Two Bolt Pillow Block (SAF mounting dimensions)
		USRBF5500	Four Bolt Pillow Block (SAF mounting dimensions) (No. F prefix for 2 7/16" - 3 7/16")
		USRB5500	Four Bolt Pillow Block (SAF mounting dimensions) (F prefix for 3 15/16" - 8")
		USFB5000	Four Bolt Flange Block
		USFC5000	Piloted Flange Cartridge
		USBF5000 USBFF5000	Flange Bracket (3 and 4 Bolt)
		USRBE5000	Two Bolt Pillow Block (Type E mounting dimensions)
		USFBE5000	Four Bolt Flange Block (Type E mounting dimensions)
		USFCE5000	Piloted Flange Cartridge (Type E mounting dimensions)
		USTU5000	Wide Slot Take Up
		USTA5000	Top Angle Take Up
		USF3B5000	Three Bolt Flange
		USI5000	Unitized Bearing Insert

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Unitized Spherical Roller Bearings (USRB)

SEALMASTER®

LOCK TYPE					SIZE RANGE	
COLLAR MOUNT	KLAMPLOC™ ADAPTER MOUNT	HOUSING MATERIAL	STANDARD SEAL	SEAL OPTIONS	INCH	PAGE
USRB5000	USRB5000K	Cast Iron	Felt	Contact	1 1/8"-4"	H-9 to H-10
USRBF5000	USRBF5000K	Cast Iron			2 7/16" - 4"	H-11 to H-12
USRB5000	USRB5000K	Cast Iron			4 7/16" - 4 15/16"	H-11 to H-12
USRB5500	USRB5500K	Ductile Iron			1 7/16" - 3 7/16	H-13 to H-14
USRBF5500	USRBF5500K/A	Ductile Iron			2 7/16" - 3 7/16"	H-13 to H-14
USRB5500	USRB5500K/A	Ductile Iron			3 15/16" - 8"	H-13 to H-14
USFB5000	USFB5000K	Cast Iron			1 3/8" - 4"	H-15 to H-16
USFC5000	USFC5000K	Cast Iron			1 3/8" - 4"	H-17 to H-18
USBF5000 USBFF5000	USBF5000K	Ductile Iron			1 7/16" - 2 7/16"	H-19 to H-20
USRBE5000	USRBE5000K	Ductile Iron			1 15/16" - 4"	H-21 to H-22
USFBE5000	USFBE5000K	Ductile Iron			1 15/16" - 4"	H-23 to H-24
USFCE5000	USFCE5000K	Ductile Iron			1 15/16" - 4"	H-25 to H-26
USTU5000	USTU5000K	Cast Iron			1 15/16" - 4"	H-27 to H-28
USTA5000	USTA5000K	Cast Iron			1 15/16" - 3 15/16"	H-29
USF3B5000	-	Cast Iron			1 1/8" - 1 1/2"	H-30
USI5000	USI5000K	N/A			1 1/8" - 8"	H-29 to H-30

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SEALMASTER®

Unitized Spherical Roller Bearings (USRB)

Sealmaster USRB Performance Mounted Spherical Roller Bearing
Sealmaster USRB performance mounted spherical roller bearings feature black oxide treated bearing steel races with optimized bearing geometry for load capacity, misalignment and speed capabilities. The USRB is available in both setscrew locking and adapter mounting system. The felt seal with flinger provides a good balance between contaminant entry, grease retention and friction. Depending on application requirements, these bearings are available in a wide variety of bore sizes, housing styles, and sealing options as illustrated on the pages to follow.

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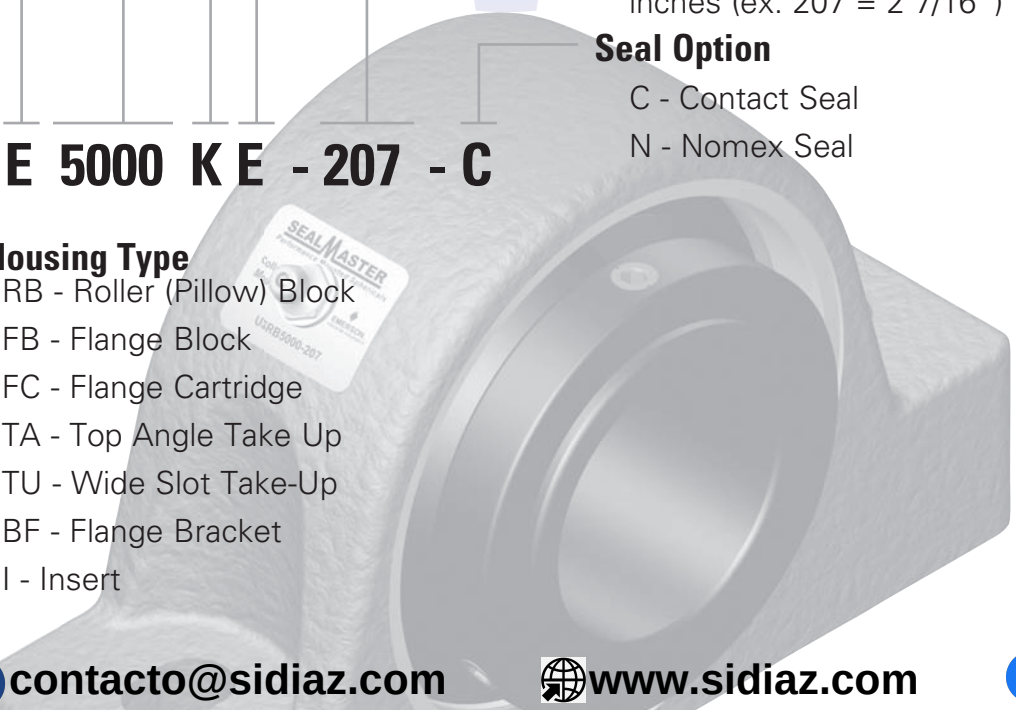
SPHERICAL ROLLER BEARING NOMENCLATURE

U S RB F E 5000 K E - 207 - C

- **Unitized**
- **Spherical**
- **Housing Type** (*see below)
- **Bolts**
  - F - Four Bolt Base - 2 7/16" to 4"
  - Where Two Bolt & Four Bolt Options Exist
  - No Prefix - Standard Option
    - Two Bolt Only - 1 1/8" to 2 3/16"
    - Four Bolt Only - 4 7/16" - 8"
- **Type E Mounting Dimensions**
- **Series**
  - 000 - Standard Series
  - 5xx - SAF Mounting Dimensions
- **Locking Option**
  - K - Klamploc™ Adapter Lock
  - No Suffix - Collar Mount (setscrew)
- **Expansion Option**
  - E - Expansion
  - No Suffix - Non Expansion
- **Bore Size** (Inch)
  - First Digit - Number of Inches
  - Second & Third Digit - Number of 1/16 of inches (ex. 207 = 2 7/16")
- **Seal Option**
  - C - Contact Seal
  - N - Nomex Seal

***Housing Type**
- RB - Roller (Pillow) Block
- FB - Flange Block
- FC - Flange Cartridge
- TA - Top Angle Take Up
- TU - Wide Slot Take-Up
- BF - Flange Bracket
- I - Insert



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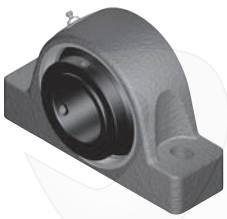
FEATURES AND BENEFITS

DOUBLE ROW SPHERICAL ROLLER BEARING

New geometries developed and manufactured by Sealmaster result in an innovative double-row spherical roller bearing with optimal load capacity, misalignment and speed capability.

MULTIPLE HOUSING CONFIGURATIONS



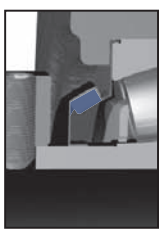
ONE PIECE CAST IRON AND DUCTILE IRON HOUSINGS

Durable one piece cast iron (USRB5000 series) and ductile iron (USRBE5000 series) housings provide load support. Two and four bolt pillow block housings have elongated bolt holes for interchangeability with competitive units.

SPLIT HOUSINGS

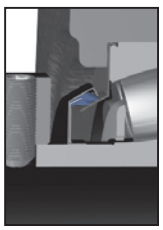
Durable Ductile iron split housings (USRB5500 series) designed to the industry standard SAF footprint and replaceable unitized bearing inserts from 1 3/8"- 8" are shaft ready for easy installation.

MULTIPLE SEALING OPTIONS



FELT SEAL

The Sealmaster felt seal with flinger, mounted between races, is typically used in dryer conditions. The outer member rotates with the inner race to help direct contamination away from the seal. Due to the unique spherical geometric design of the seal contact areas, sealing effectiveness is maintained throughout the entire +/-2° of misalignment. This design provides a tight labyrinth seal, which acts as a filter to help exclude foreign material and has low friction.



CONTACT SEAL

The Sealmaster double-lip contact seal, mounted between races, is typically used in wet applications. The outer member rotates with the inner race, to help direct contamination away from the seal. Due to the unique spherical geometric design of the seal contact areas, sealing effectiveness is maintained throughout the entire +/-2° of misalignment. The rotating double-lip seal design allows for exceptional limiting speed.

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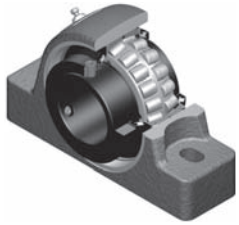
FEATURES AND BENEFITS

MULTIPLE LOCKING METHODS



COLLAR MOUNT SYSTEM

Sealmaster performance mounted roller bearings feature locking collars and setscrews at 120°, providing a balanced three-point contact.

KLAMPLOC™ TAPERED ADAPTER LOCK

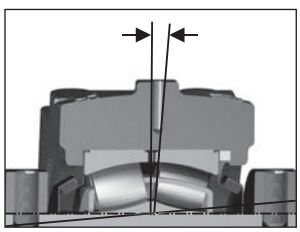
The Sealmaster Klamploc tapered adapter lock provides exceptional concentric grip to the shaft with simplified, faster installation. Similar to industry-standard sleeve-nut designs, a lock collar drives a tapered sleeve against the tapered bearing bore, gripping the shaft. Lock the collar down with one cap screw - this closes the split collar, which provides additional clamping force. Installation steps written on the collar help installers minimize install time.

REPLACEABLE CARTRIDGE INSERT

The Sealmaster performance mounted roller bearings have a replaceable cartridge insert that consists of a double-row spherical roller bearing with race-mounted seals. These integrally sealed, one-piece cartridge inserts can also be used for mounting in cylindrical-bore housings for an even wider range of applications.

WIDE OUTER RACE

The wide outer race, coupled with innovative rolling-element geometries, provides increased load capacity. The wide outer race also allows for race mounted seals and creates a large internal grease chamber, for more grease capacity.



MISALIGNMENT

The arrangement of rolling elements and races in Sealmaster Mounted Spherical Roller Bearings can accommodate +/-2 degrees of misalignment – up to twice an SAF – while maintaining catalog load ratings and sealing effectiveness. The spherical bearing design can accommodate both static and dynamic misalignment which may exist due to structure mounting irregularities, shaft deflection, or other application conditions.

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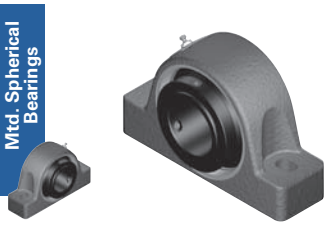


Rolling Elements: Spherical Roller

Housing: Cast Iron Two Bolt Pillow Block

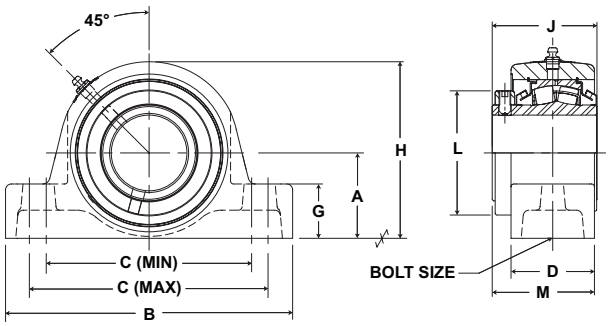
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRB5000 Series Two-Bolt Base Pillow Blocks - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B	C MIN.	C MAX.	D	G	H	J	L	M *	BOLT SIZE	
1 1/8 1 3/16 1 1/4	USRB5000-102 USRB5000-103 USRB5000-104	20368 90597	1 3/4 44.5	6 5/16 160.3	4 1/2 114.3	5 127.0	2 3/16 55.6	1 1/16 27.0	3 3/4 95.3	2 3/4 69.9	2 49/64 70.2	2 3/4 69.9	3/8	6.9 3.14
1 7/16 1 1/2	USRB5000-107 USRB5000-108	20368 90597	1 7/8 47.6	6 7/8 174.6	4 11/16 119.1	5 5/16 134.9	2 3/16 55.6	1 3/16 30.2	3 7/8 98.4	2 3/4 69.9	2 49/64 70.2	2 3/4 69.9	1/2	6.6 3.00
1 11/16 1 3/4	USRB5000-111 USRB5000-112	22689 100921	2 1/8 54.0	7 3/8 187.3	5 3/16 131.8	5 13/16 147.6	2 3/16 55.6	1 5/16 33.3	4 1/4 108.0	2 7/8 73.0	2 3/4 69.9	2 13/16 71.4	1/2	7.8 3.55
1 15/16 2	USRB5000-115 USRB5000-200	23520 104622	2 1/4 57.2	8 3/8 212.7	5 15/16 150.8	6 9/16 166.7	2 3/16 55.6	1 3/8 34.9	4 9/16 115.9	2 7/8 73.0	3 76.2	2 25/32 70.6	5/8	7.7 5.23
2 3/16	USRB5000-203	28087 124931	2 1/2 63.5	8 7/8 225.4	6 9/16 166.7	7 1/16 179.4	2 7/16 61.9	1 5/8 41.3	5 127.0	3 1/8 79.4	3 1/4 82.6	3 1/8 79.4	5/8	11.5 5.23
2 7/16 2 1/2	USRB5000-207 USRB5000-208	44691 198786	2 3/4 69.9	9 1/4 235.0	6 13/16 173.0	7 7/16 188.9	2 11/16 68.3	1 3/4 44.5	5 11/16 144.5	3 3/8 85.7	4 101.6	3 9/32 83.3	5/8	16.0 7.27
2 11/16 2 3/4 2 15/16 3	USRB5000-211 USRB5000-212 USRB5000-215 USRB5000-300	47447 211044	3 1/4 82.6	10 7/16 265.1	7 13/16 198.4	8 7/16 214.3	2 13/16 71.4	2 1/4 57.2	6 7/16 163.5	3 7/8 98.4	4 17/32 115.1	3 3/4 95.3	3/4	23.7 10.77
3 3/16 3 7/16 3 1/2	USRB5000-303 USRB5000-307 USRB5000-308	72640 323103	3 3/4 95.3	13 330.2	9 1/4 235.0	10 3/4 273.1	3 3/16 81.0	2 1/4 57.2	7 1/2 190.5	4 15/32 113.5	5 5/16 134.9	4 1/4 108.0	7/8	37.1 81.62
3 11/16 3 15/16 4	USRB5000-311 USRB5000-315 USRB5000-400	96050 427230	4 1/8 104.8	14 1/4 362.0	10 254.0	11 3/4 298.5	3 9/16 90.5	2 1/2 63.5	8 7/16 214.3	4 15/16 125.4	6 152.4	4 23/32 119.9	1	49.9 22.68

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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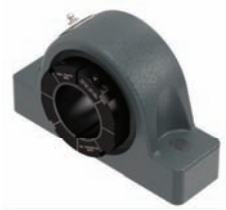


Rolling Elements: Spherical Roller

Housing: Cast Iron Two Bolt Pillow Block

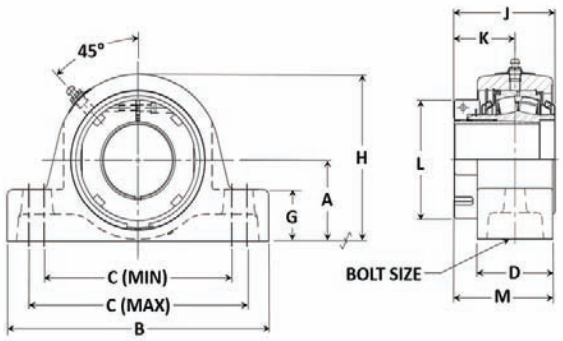
Self Alignment: +/- 2 Degrees

Lock: Adapter

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRB5000K Series Two-Bolt Base Pillow Blocks - Klamploc™ Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B	C MIN.	C MAX.	D	G	H	J	K	L	M *	BOLT SIZE	
1 1/8 1 3/16 1 1/4	USRB5000K-102 USRB5000K-103 USRB5000K-104	20368 90597	1 3/4 44.5	6 5/16 160.3	4 1/2 114.3	5 127.0	2 3/16 55.6	1 1/16 27.0	3 3/4 95.3	2 13/16 71.6	1 47/64 43.9	2 51/64 71.0	2 53/64 71.7	3/8	6.6 3.0
1 7/16 1 1/2	USRB5000K-107 USRB5000K-108	20368 90597	1 7/8 47.6	6 7/8 174.6	4 11/16 119.1	5 5/16 134.9	2 3/16 55.6	1 3/16 30.2	3 7/8 98.4	3 13/16 71.6	1 47/64 44.1	2 51/64 71.0	2 53/64 71.8	1/2	6.6 3.0
1 11/16 1 3/4	USRB5000K-111 USRB5000K-112	22689 100921	2 1/8 54.0	7 3/8 187.3	5 3/16 131.8	5 13/16 147.6	2 3/16 55.6	1 5/16 33.3	4 1/4 108.0	2 15/16 74.6	1 49/64 44.8	3 76.2	2 55/64 72.6	1/2	7.9 3.6
1 15/16 2	USRB5000K-115 USRB5000K-200	23520 104622	2 1/4 57.2	8 3/8 212.7	5 15/16 150.8	6 9/16 166.7	2 3/16 55.6	1 3/8 34.9	4 9/16 115.9	2 13/16 71.6	1 41/64 41.7	3 13/64 81.4	2 47/64 69.5	5/8	9.5 4.3
2 3/16	USRB5000K-203	28087 124931	2 1/2 63.5	8 7/8 225.4	6 7/16 163.6	7 1/16 179.4	2 7/16 61.9	1 5/8 41.3	5 127.0	3 5/32 80.2	1 57/64 48.0	3 1/2 88.9	3 7/64 79.0	5/8	11.7 5.3
2 7/16 2 1/2	USRB5000K-207 USRB5000K-208	44691 198786	2 3/4 69.9	9 1/4 235.0	6 13/16 173.0	7 7/16 188.9	2 11/16 68.3	1 3/4 44.5	5 11/16 144.5	3 19/32 91.4	2 11/64 55.2	4 3/32 104.0	3 33/64 89.3	5/8	16.6 7.5
2 11/16 2 3/4 2 15/16 3	USRB5000K-211 USRB5000K-212 USRB5000K-215 USRB5000K-300	47447 211044	3 1/4 82.6	10 7/16 265.1	7 13/16 198.4	8 7/16 214.3	2 13/16 71.4	2 1/4 57.2	6 7/16 163.5	3 29/32 99.2	2 25/64 60.7	4 1/2 114.3	3 51/64 96.4	3/4	22.4 10.1
3 3/16 3 7/16 3 1/2	USRB5000K-303 USRB5000K-307 USRB5000K-308	72640 323103	3 3/4 95.3	13 330.2	9 1/4 235.0	10 3/4 273.1	3 3/16 81.0	2 1/4 57.2	7 1/2 190.5	4 35/64 115.5	2 47/64 69.5	5 1/2 139.7	4 21/64 109.9	7/8	35.7 16.2
3 11/16 3 15/16 4	USRB5000K-311 USRB5000K-315 USRB5000K-400	96050 427230	4 1/8 104.8	14 1/4 362.0	10 254.0	11 3/4 298.5	3 9/16 90.5	2 1/2 63.5	8 7/16 214.3	4 161/64 126.0	2 61/64 75.0	5 45/64 144.9	4 47/64 120.3	1	46.6 21.1

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
One expansion unit is to be used in conjunction with one non-expansion unit for applications using an adapter lock unit
Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

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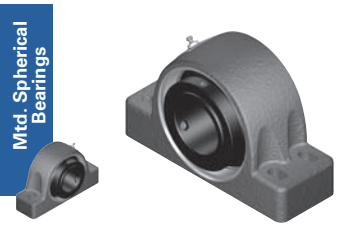


Rolling Elements: Spherical Roller

Housing: Cast Iron Four Bolt Pillow Block

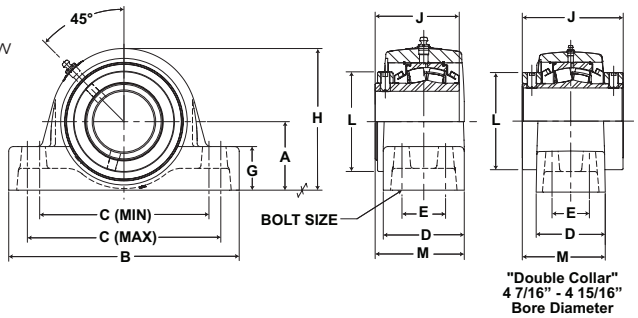
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRBF5000 Series Four-Bolt Base Pillow Blocks - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm												UNIT WT. lb/kg
			A	B	C MIN.	C MAX.	D	E	G	H	J	L	M *	BOLT SIZE	
2 7/16	USRBF5000-207	44691	2 3/4	9 1/4	6 7/8	7 5/8	3 1/4	1 3/4	1 3/4	5 11/16	3 3/8	4	3 11/16	1/2	17.6
2 1/2	USRBF5000-208	198786	69.9	235.0	174.6	193.7	82.6	44.5	44.5	144.5	85.7	101.6	93.7		8.00
2 11/16	USRBF5000-211														
2 3/4	USRBF5000-212	47447	3 1/4	10 7/16	7 7/8	8 3/8	3 3/4	1 7/8	2 1/4	6 7/16	3 7/8	4 17/32	4 19/64	5/8	26.4
2 15/16	USRBF5000-215	211044	82.6	265.1	200.0	212.7	95.3	47.6	57.2	163.5	98.4	115.1	109.1		11.98
3	USRBF5000-300														
3 3/16	USRBF5000-303														
3 7/16	USRBF5000-307	72640 323103	3 3/4 95.3	13 330.2	9 1/4 235.0	10 3/4 273.1	3 7/8 98.4	2 50.8	2 1/4 57.2	7 1/2 190.5	4 15/32 113.5	5 5/16 134.9	4 19/32 116.7	3/4	39.0 17.73
3 1/2	USRBF5000-308														
3 11/16	USRBF5000-311														
3 15/16	USRBF5000-315	96050 427230	4 1/4 108.0	15 1/4 387.4	11 279.4	13 330.2	4 1/2 114.3	2 1/4 57.2	2 5/8 66.7	8 9/16 217.5	4 15/16 125.4	6 152.4	5 7/32 132.6	3/4	57.5 26.14
4	USRBF5000-400														
4 7/16	USRB5000-407	111537	4 3/4	16 1/16	13	14	4 5/8	2 1/2	2 3/4	9 3/8	6 3/4	6 1/2	5 1/2	3/4	74.1
4 1/2	USRB5000-408	496117	120.7	408.0	330.2	355.6	117.5	63.5	69.9	238.1	171.5	165.1	139.7		33.68
4 15/16	USRB5000-415	158816	5 1/2	18 1/2	15	16	5 1/8	2 3/4	3	10 7/8	7 27/64	7 1/2	6 3/32	3/4	112.6
		706414	139.7	469.9	381.0	406.4	130.2	69.9	76.2	276.2	188.5	190.5	154.8		51.18

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
Note: Bore diameters up to 4" available in single lock collar. Bore diameters 4 7/16" and up available in double lock collar.

Metric dimensions for reference only.
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Performance Mounted Spherical Roller Bearings

SEALMASTER®

Rolling Elements: Spherical Roller

Housing: Cast Iron Four Bolt Pillow Block

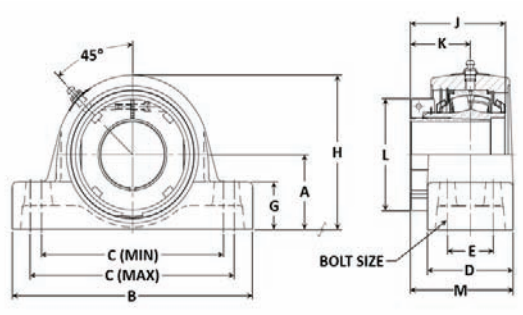
Self Alignment: +/- 2 Degrees

Lock: Adapter

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRBF5000K Series Four-Bolt Base Pillow Blocks - Klamploc™ Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm													UNIT WT. lb/kg
			A	B	C MIN.	C MAX.	D	E	G	H	J	K	L	M *	BOLT SIZE	
2 7/16	USRBF5000K-207	44691	2 3/4	9 1/4	6 7/8	7 5/8	3 1/4	1 3/4	1 3/4	5 11/16	3 19/32	2 9/32	4 3/32	3 29/32	1/2	17.9
2 1/2	USRBF5000K-208	198786	69.9	235.0	174.6	193.7	82.6	44.5	44.5	144.5	91.4	57.8	104.1	99.1		8.1
2 11/16	USRBF5000K-211															
2 3/4	USRBF5000K-212	47447	3 1/4	10 7/16	7 7/8	8 3/8	3 3/4	1 7/8	2 1/4	6 7/16	3 29/32	2 29/64	4 1/2	4 21/64	5/8	25.1
2 15/16	USRBF5000K-215	211044	82.6	265.1	200.0	212.7	95.3	47.6	57.2	163.5	99.2	62.4	114.3	110.0		11.4
3	USRBF5000K-300															
3 3/16	USRBF5000K-303															
3 7/16	USRBF5000K-307	72640 323103	3 3/4 95.3	13 330.2	9 1/4 235.0	10 3/4 273.1	3 7/8 98.4	2 50.8	2 1/4 57.2	7 1/2 190.5	4 35/64 115.5	2 47/64 69.5	5 1/2 139.7	4 43/64 118.7	3/4	37.8 17.1
3 1/2	USRBF5000K-308															
3 11/16	USRBF5000K-311															
3 15/16	USRBF5000K-315	96.050 427230	4 1/4 108.0	15 1/4 387.4	11 279.4	13 330.2	4 1/2 114.3	2 1/4 57.2	2 5/8 66.7	8 9/16 217.5	4 61/64 126.0	2 63/64 75.7	5 45/64 144.9	5 15/64 132.8	3/4	54.6 24.7
4	USRBF5000K-400															
4 7/16	USRBF5000K-407	111537	4 3/4	16 3/64	13	14	4 5/8	2 1/2	2 3/4	9 3/8	5 33/64	3 17/64	6 1/2	5 37/64	3/4	66.7
4 1/2	USRBF5000K-408	496117	120.7	407.7	330.2	355.6	117.5	63.5	69.9	238.1	140.1	82.9	165.1	141.6		30.3
4 15/16	USRBF5000K-415	158816	5 1/2	18 1/2	15	16	5 1/8	2 3/4	3	10 7/8	6 21/64	3 47/64	7 1/2	6 19/64	7/8	107.2
5	USRBF5000K-500	706414	139.7	469.9	381.0	406.4	130.2	69.9	76.2	276.2	160.7	94.9	190.5	159.9		48.6

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
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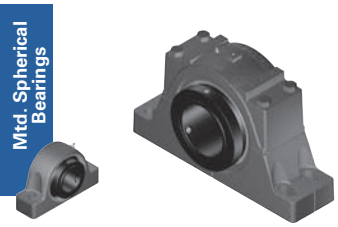


Rolling Elements: Spherical Roller

Housing: Ductile Iron Two and Four Bolt Pillow Block

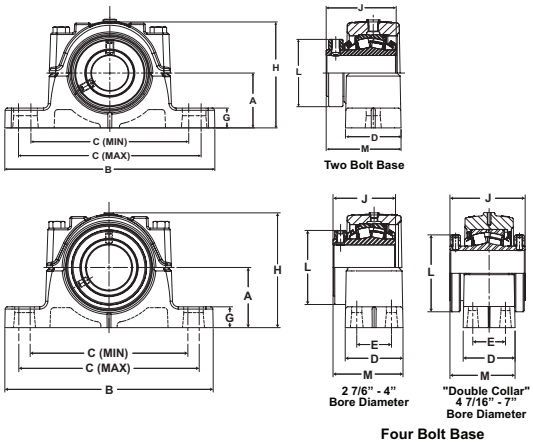
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRB5500 Series Two and Four-Bolt Base Pillow Blocks - Collar Mount, SAF Mounting Dimensions

BORE DIAMETER	PART NO.		BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											BOLT SIZE		UNIT WT. lb/kg	
				A	B	C		D	E	G	H	J	L	M *				
inch	2 BOLT	4 BOLT				MIN.	MAX.								2 BOLT	4 BOLT	2 BOLT	4 BOLT
1 7/16 1 1/2	USRB5509-107 USRB5509-108	-	20368 90597	2 1/4 57.2	8 1/4 209.6	6 1/4 158.8	7 177.8	2 3/16 55.6	-	13/16 20.6	4 3/8 111.1	2 3/4 69.9	2 49/64 70.2	2 61/64 75.0	1/2	-	10.2 4.64	-
1 15/16 2	USRB5511-115 USRB5511-200	-	23520 104622	2 3/4 69.9	9 5/8 244.5	7 3/8 187.3	8 1/4 209.6	2 3/4 69.9	-	15/16 23.8	5 1/32 127.8	2 7/8 73.0	3 76.2	3 19/64 83.7	5/8	-	13.8 6.27	-
2 7/16 2 1/2	USRB5515-207 USRB5515-208	USRBF5515-207 USRBF5515-208	44691 198786	3 1/4 82.6	11 1/4 285.8	8 5/8 219.1	9 5/8 244.5	3 1/8 79.4	1 7/8 47.6	1 1/8 28.6	6 1/8 155.6	3 3/8 85.7	4 101.6	3 25/32 96.0	5/8	1/2	25.2 11.46	25.0 11.34
2 15/16 3	USRB5517-215 USRB5517-300	USRBF5517-215 USRBF5517-300	47447 211044	3 3/4 95.3	13 330.2	9 7/8 250.8	11 279.4	3 1/2 88.9	2 1/8 54.0	1 1/4 31.8	7 1/8 181.0	3 7/8 98.4	4 17/32 115.1	4 13/32 111.9	3/4	5/8	38.2 17.38	37.8 17.20
3 7/16 3 1/2	USRB5520-307 USRB5520-308	USRBF5520-307 USRBF5520-308	72640 323103	4 1/2 114.3	15 1/4 387.4	11 5/8 295.3	13 1/8 333.4	4 3/8 111.1	2 3/8 60.3	1 3/4 44.5	9 228.6	4 15/32 113.5	5 5/16 134.9	5 9/64 130.6	7/8	3/4	71.4 32.47	70.5 32.02
3 15/16 4	-	USRB5522-315 USRB5522-400	96050 427230	4 15/16 125.4	16 1/2 419.1	12 19/32 319.9	14 1/2 368.3	4 3/4 120.7	2 3/4 69.9	2 50.8	9 7/8 250.8	4 15/16 125.4	6 152.4	5 41/64 143.3	-	3/4	-	87.7 39.86
4 7/16 4 1/2	-	USRB5526-407 USRB5526-408	111537 496117	6 152.4	18 3/8 466.7	14 1/2 368.3	16 406.4	5 1/8 130.2	3 1/4 82.6	2 3/8 60.3	11 9/16 293.7	6 3/4 171.5	6 1/2 165.1	6 1/8 155.6	-	7/8	-	133.2 60.57
4 15/16	-	USRB5528-415	158816 706414	6 152.4	19 11/16 500.1	15 5/8 396.9	17 3/8 441.3	5 7/8 149.2	3 3/8 85.7	2 3/8 60.3	12 304.8	7 27/64 188.5	7 1/2 190.5	6 27/32 173.8	-	1	-	164.1 74.61
5 7/16	-	USRB5532-507	196682 874842	6 11/16 169.9	22 558.8	17 3/8 441.3	19 1/4 489.0	6 1/4 158.8	3 3/4 95.3	2 5/8 66.7	13 1/2 342.9	9 1/32 229.4	8 1/2 215.9	7 27/32 199.2	-	1	-	229.0 104.09
5 15/16	-	USRB5534-515	261346 1162467	7 1/16 179.4	24 3/4 628.7	19 3/8 492.1	21 5/8 549.3	6 3/4 171.5	4 1/4 108.0	2 3/4 69.9	14 15/16 379.4	9 25/32 248.4	10 254.0	8 15/32 215.1	-	1	-	313.0 142.27
6 7/16 6 1/2	-	USRB5536-607 USRB5536-608	334229 1486651	7 1/2 190.5	26 3/4 679.5	20 7/8 530.2	23 5/8 600.1	7 1/8 181.0	4 5/8 117.5	3 76.2	15 15/16 404.8	10 1/2 266.7	11 279.4	9 1/64 229.0	-	1	-	391.0 177.73
6 15/16 7	-	USRB5538-615 USRB5538-700	363818 1618262	7 7/8 200.0	28 711.2	21 5/8 549.3	24 3/8 619.1	7 1/2 190.5	4 1/2 114.3	3 1/8 79.4	16 9/16 420.7	10 1/2 266.7	11 279.4	9 13/64 233.8	-	1 1/4	-	435.0 197.71

* For expansion bearings, this dimension can decrease by the corresponding value in table VIII on page I-69.
Note: Bore diameters up to 4" available in single lock collar. Bore diameters 4 7/16" and up available in double lock collar
Bore diameters up to 3" - grease fitting location at 12:00.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
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Performance Mounted Spherical Roller Bearings

SEALMASTER®

Rolling Elements: Spherical Roller

Housing: Ductile Iron Two and Four Bolt Pillow Block

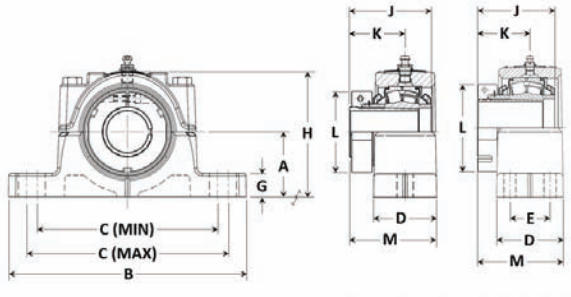
Self Alignment: +/- 2 Degrees

Lock: Adapter

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRB5500K Series 2 & 4-Bolt Pillow Blocks - Klamploc™ Adapter Mount, SAF Mounting Dimensions

BORE DIAMETER	PART NO.		BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm													UNIT WT. lb/kg
				A	B	C		D	E	G	H	J	K	L	M *	BOLT SIZE	
inch	2 BOLT	4 BOLT				MIN.	MAX.									2 BOLT	4 BOLT	
1 7/16 1 1/2	USRB5509K-107 USRB5509K-108	-	20368 90597	2 1/4 57.2	8 1/4 209.6	6 1/4 158.8	7 177.8	2 3/16 55.6	-	13/16 20.6	4 3/8 111.1	2 13/16 71.4	1 59/64 48.8	2 51/64 71.0	3 1/64 76.6	1/2	-	10.1 4.6
1 15/16 2	USRB5511K-115 USRB5511K-200	-	23520 104622	2 3/4 69.9	9 5/8 244.6	7 3/8 187.3	8 1/4 209.6	2 3/4 69.9	-	15/16 23.8	4 63/64 126.6	2 13/16 71.4	1 7/8 47.6	3 13/64 81.4	3 1/4 82.6	5/8	-	15.5 7.0
2 7/16 2 1/2	USRB5515K-207 USRB5515K-208	USRBF5515K-207 USRBF5515K-208	44691 211044	3 1/4 82.6	11 1/4 285.8	8 5/8 219.1	9 5/8 244.5	3 1/8 79.4	1 7/8 47.6	1 1/8 28.6	6 1/8 155.6	3 19/32 91.3	2 7/16 61.9	4 3/32 104.0	4 101.6	5/8	1/2	25.7 11.7
2 15/16 3	USRB5517K-215 USRB5517K-300	USRBF5517K-215 USRBF5517K-300	47447 211044	3 3/4 95.3	13 330.2	9 7/8 250.8	11 279.4	3 1/2 88.9	2 1/8 54.0	1 1/4 31.8	7 1/8 181.0	3 29/32 99.2	2 11/16 68.3	4 1/2 114.3	4 7/16 112.7	3/4	5/8	37.9 17.2
3 7/16 3 1/2	USRB5520K-307 USRB5520K-308	USRBF5520K-307 USRBF5520K-308	72640 323103	4 1/2 114.3	15 1/4 387.4	11 5/8 295.3	13 1/8 333.4	4 3/8 111.1	2 3/8 60.3	1 3/4 44.5	9 228.6	4 35/64 115.5	3 1/32 77.0	5 1/2 139.7	5 7/32 132.6	7/8	3/4	71.7 32.5
3 15/16 4	-	USRB5522K-315 USRB5522K-400	96050 427230	4 15/16 125.4	16 1/2 419.1	12 19/32 319.9	14 1/2 368.3	4 3/4 120.7	2 3/4 69.9	2 50.8	9 7/8 250.8	4 61/64 125.8	3 9/32 83.3	5 45/64 144.9	5 21/32 143.7	-	3/4	86.7 39.3
4 7/16 4 1/2	-	USRB5526K-407 USRB5526K-408	111537 496117	6 152.4	18 3/8 466.7	14 1/2 368.3	16 406.4	5 1/8 130.2	3 1/4 82.6	2 3/8 60.3	11 9/16 293.7	5 33/64 140.1	3 5/8 92.1	6 1/2 165.1	6 3/16 157.2	-	7/8	125.1 56.7
4 15/16 5	-	USRB5528K-415 USRB5528K-500	158816 706414	6 152.4	11 11/16 296.9	15 5/8 396.9	17 3/8 441.3	5 7/8 149.2	3 3/8 85.7	2 3/8 60.3	12 304.8	6 21/64 160.7	4 3/32 104.0	7 1/2 190.5	7 1/64 178.2	-	1	157.5 71.5
5 7/16	-	USRB5532A-507	196682 874842	6 11/16 169.9	22 558.8	17 3/8 441.3	19 1/4 489.0	6 1/4 158.8	3 3/4 95.3	2 5/8 66.7	13 1/2 342.9	7 7/8 200.0	4 3/4 120.7	7 47/64 196.5	8 19/32 218.3	-	1	214.0 97.3
5 15/16	-	USRB5534A-515	261346 1162467	7 1/16 179.4	24 3/4 628.7	19 3/8 492.1	21 5/8 549.3	6 3/4 171.5	4 1/4 108.0	2 3/4 69.9	14 15/16 379.4	8 11/16 220.7	5 5/16 134.9	8 1/2 215.9	9 1/4 235.0	-	1	287.0 130.5
6 7/16 6 1/2	-	USRB5536A-607 USRB5536A-608	334229 1486651	7 1/2 190.5	26 3/4 679.5	20 7/8 530.2	23 5/8 600.1	7 1/8 181.0	4 5/8 117.5	3 76.2	15 15/16 404.8	9 45/64 246.5	6 9/64 156.0	9 11/16 246.1	10 5/32 258.0	-	1	357.0 162.3
6 15/16 7	-	USRB5538A-615 USRB5538A-700	334229 1486651	7 7/8 200.0	28 711.2	21 5/8 549.3	24 3/8 619.1	7 1/2 190.5	4 1/2 114.3	3 1/8 79.4	16 9/16 420.7	9 23/32 246.9	5 31/32 151.6	9 11/16 246.1	10 11/32 262.7	-	1 1/4	405.0 184.1
7 1/2 7 15/16 8	-	USRB5544A-708 USRB5544A-715 USRB5544A-800	363818 1618262	9 1/2 241.3	32 3/4 831.9	24 3/4 628.7	27 7/8 708.0	8 3/4 222.3	5 1/4 133.4	3 3/4 95.3	19 5/8 498.5	10 9/16 268.3	6 3/16 157.2	11 45/64 297.4	11 17/32 292.9	-	1 1/2	656.0 298.2

* For expansion bearings, this dimension can decrease by the corresponding value in table VIII on page I-69.
Bore diameters up to 3" - grease fitting location at 12:00.
One expansion unit is to be used in conjunction with one non-expansion unit for applications using an adapter lock unit
Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

Bearing Selection Page H-3 | Nomenclature Aid Page H-6 | Features & Benefits Page H-7 | Technical Engineering Page I-47

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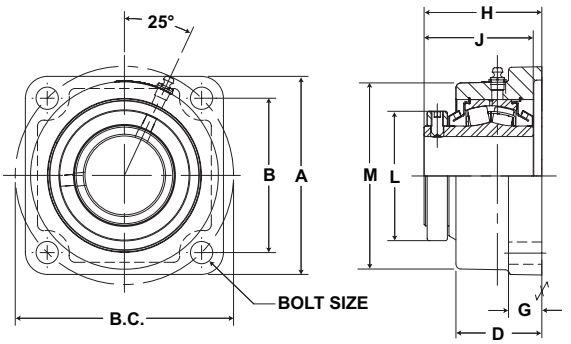
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER®

Performance Mounted Spherical Roller Bearings

Rolling Elements: Spherical Roller
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USFB5000 Series Four-Bolt Flange Units - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm A	B	B.C.	D	G	H *	J	L	M	BOLT SIZE	UNIT WT. lb/kg
1 7/16 1 1/2	USFB5000-107 USFB5000-108	20368 90597	4 5/8 117.5	3 17/32 89.7	5 127.0	2 1/16 52.4	3/4 19.1	2 53/64 71.8	2 3/4 69.9	2 49/64 70.2	3 7/8 98.4	1/2	6.4 2.93
1 11/16 1 3/4	USFB5000-111 USFB5000-112	22689 100921	5 127.0	3 57/64 98.8	5 1/2 139.7	2 1/4 57.2	3/4 19.1	2 61/64 75.0	2 7/8 73.0	2 3/4 69.9	4 1/2 114.3	1/2	8.4 3.82
1 15/16 2	USFB5000-115 USFB5000-200	23520 104622	5 3/16 131.8	4 1/16 103.2	5 3/4 146.1	2 1/4 57.2	3/4 19.1	2 61/64 75.0	2 7/8 73.0	3 76.2	4 3/4 120.7	1/2	8.9 4.04
2 3/16	USFB5000-203	28087 124931	5 7/8 149.2	4 1/2 114.3	6 3/8 161.9	2 7/16 61.9	13/16 20.6	3 7/32 81.8	3 1/8 79.4	3 1/4 82.6	5 1/8 130.2	5/8	11.3 5.13
2 7/16 2 1/2	USFB5000-207 USFB5000-208	44691 198786	6 1/8 155.6	4 49/64 121.0	6 3/4 171.5	2 21/32 67.5	1 1/32 26.2	3 31/64 88.5	3 3/8 85.7	4 101.6	5 3/4 146.1	5/8	15.3 6.95
2 11/16 2 3/4 2 15/16 3	USFB5000-211 USFB5000-212 USFB5000-215 USFB5000-300	47447 211044	7 3/16 182.6	5 9/16 141.3	7 7/8 200.0	2 7/8 73.0	15/16 23.8	3 63/64 101.2	3 7/8 98.4	4 17/32 115.1	6 5/8 168.3	3/4	23.1 10.50
3 3/16 3 7/16 3 1/2	USFB5000-303 USFB5000-307 USFB5000-308	72640 323103	8 3/8 212.7	6 23/32 170.7	9 1/2 241.3	3 9/32 83.3	1 1/8 28.6	4 19/32 116.7	4 15/32 113.5	5 5/16 134.9	7 5/8 193.7	3/4	36.0 16.38
3 11/16 3 15/16 4	USFB5000-311 USFB5000-315 USFB5000-400	96050 427230	9 1/2 241.3	7 19/32 192.9	10 3/4 273.1	3 11/16 93.7	1 1/4 31.8	5 5/64 129.0	4 15/16 125.4	6 152.4	8 7/8 225.4	7/8	46.1 20.98

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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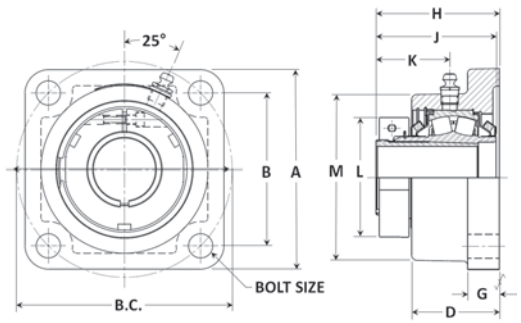
SUMINISTROS INDUSTRIALES DÍAZ

Rolling Elements: Spherical Roller
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Adapter
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USFB5000K Series Four-Bolt Flange Units - Klamploc™ Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B	B.C.	D	G	H *	J	K	L	M	BOLT SIZE	
1 7/16 1 1/2	USFB5000K-107 USFB5000K-108	20368 90597	4 5/8 117.5	3 17/32 89.7	5 127.0	2 1/16 52.4	3/4 19.1	2 57/64 73.4	2 13/16 71.4	1 47/64 44.1	2 51/64 71.0	3 7/8 98.4	1/2	6.4 2.9
1 11/16 1 3/4	USFB5000K-111 USFB5000K-112	22689 100921	5 127.0	3 57/64 98.8	5 1/2 139.7	2 1/4 57.2	3/4 19.1	3 3/64 77.4	2 15/16 74.6	1 13/16 46	3 76.2	4 1/2 114.3	1/2	8.5 3.9
1 15/16 2	USFB5000K-115 USFB5000K-200	23520 104622	5 3/16 131.8	4 1/16 103.2	5 3/4 146.1	2 1/4 57.2	3/4 19.1	2 29/32 73.8	2 13/16 71.4	1 5/8 41.3	3 13/64 81.4	4 3/4 120.7	1/2	9.0 4.1
2 3/16	USFB5000K-203	28087 124931	5 7/8 149.2	4 1/2 114.3	6 3/8 161.9	2 7/16 61.9	13/16 20.6	3 1/4 82.6	3 5/32 80.2	1 15/16 49.2	3 1/2 88.9	5 1/8 130.2	5/8	11.5 5.2
2 7/16 2 1/2	USFB5000K-207 USFB5000K-208	44691 198786	6 1/8 155.6	4 49/64 121.0	6 3/4 171.5	2 55/64 72.6	1 1/32 26.2	3 45/64 94.1	3 19/32 91.3	2 1/4 57.2	4 3/32 104.0	5 3/4 146.1	5/8	16.1 7.3
2 11/16 2 3/4 2 15/16 3	USFB5000K-211 USFB5000K-212 USFB5000K-215 USFB5000K-300	47447 211044	7 3/16 182.6	5 9/16 141.3	7 7/8 200.0	2 7/8 73.0	15/16 23.8	4 1/32 102.4	3 29/32 99.2	2 7/16 61.9	4 1/2 114.3	6 5/8 168.3	3/4	22.3 10.1
3 3/16 3 7/16 3 1/2	USFB5000K-303 USFB5000K-307 USFB5000K-308	72640 323103	8 3/8 212.7	6 23/32 170.7	9 1/2 241.3	3 17/32 89.7	1 1/8 28.6	4 43/64 118.7	4 35/64 115.5	2 49/64 70.6	5 1/2 139.7	7 5/8 193.7	3/4	35.7 16.2
3 11/16 3 15/16 4	USFB5000K-311 USFB5000K-315 USFB5000K-400	96050 427230	9 1/2 241.3	7 19/32 192.9	10 3/4 273.1	3 25/32 96.0	1 1/4 31.8	5 3/32 129.4	4 61/64 125.8	3 1/64 76.6	5 45/64 114.9	8 7/8 225.4	7/8	51.0 23.1

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
One expansion unit is to be used in conjunction with one non-expansion unit for applications using an adapter lock unit
Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER®

Performance Mounted Spherical Roller Bearings

Rolling Elements: Spherical Roller

Housing: Cast Iron Piloted Flange Cartridge

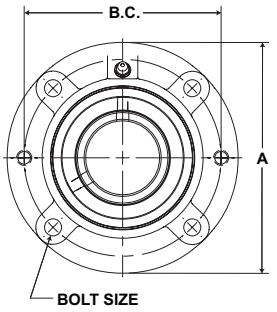
Self Alignment: +/- 2 Degrees

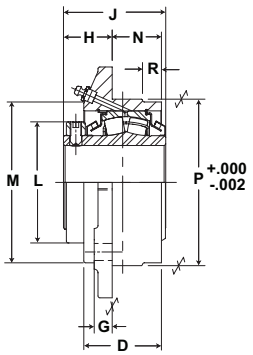
Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F





USFC5000 Series Piloted Flange Cartridge Units - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm												UNIT WT. lb/kg
			A	B.C.	D	G	H *	J	L	M	N *	P	R	BOLT SIZE	
1 7/16 1 1/2	USFC5000-107 USFC5000-108	20368 91249	5 1/4 133.4	4 3/8 111.1	2 1/16 52.4	15/32 11.9	1 7/16 36.5	2 3/4 69.9	2 49/64 70.2	3 1/2 88.9	1 9/32 32.5	3 5/8 92.1	–	3/8	6.4 2.93
1 11/16 1 3/4	USFC5000-111 USFC5000-112	22689 101647	6 1/8 155.6	5 1/8 130.2	2 1/4 57.2	15/32 11.9	1 27/64 36.1	2 7/8 73.0	2 3/4 69.9	4 101.6	1 7/16 36.5	4 1/4 108.0	9/16 14.3	7/16	7.4 3.37
1 15/16 2	USFC5000-115 USFC5000-200	23520 104622	6 3/8 161.9	5 3/8 136.5	2 1/4 57.2	17/32 13.5	1 25/64 35.3	2 7/8 73.0	3 76.2	4 3/8 111.1	1 15/32 37.3	4 1/2 114.3	5/8 15.9	7/16	8.1 3.70
2 3/16	USFC5000-203	28087 125830	7 1/8 181.0	6 152.4	2 3/8 60.3	17/32 13.5	1 19/32 40.5	3 1/8 79.4	3 1/4 82.6	4 3/4 120.7	1 15/32 37.3	5 127.0	15/32 11.9	1/2	10.2 4.66
2 7/16 2 1/2	USFC5000-207 USFC5000-208	44691 200216	7 5/8 193.7	6 1/2 165.1	2 9/16 65.1	19/32 15.1	1 19/32 40.5	3 3/8 85.7	4 101.6	5 5/16 134.9	1 5/8 41.3	5 1/2 139.7	5/8 15.9	1/2	14.4 6.53
2 11/16 2 3/4 2 15/16 3	USFC5000-211 USFC5000-212 USFC5000-215 USFC5000-300	47447 212563	8 3/4 222.3	7 1/2 190.5	2 7/8 73.0	23/32 18.3	2 50.8	3 7/8 98.4	4 17/32 115.1	6 152.4	1 27/32 46.8	6 3/8 161.9	19/32 15.1	5/8	21.8 9.92
3 3/16 3 7/16 3 1/2	USFC5000-303 USFC5000-307 USFC5000-308	72640 325427	10 1/4 260.4	8 5/8 219.1	3 1/8 79.4	53/64 21.0	2 13/32 61.1	4 15/32 113.5	5 5/16 134.9	7 3/16 182.6	1 27/32 46.8	7 3/8 187.3	5/8 15.9	3/4	33.6 15.25
3 11/16 3 15/16 4	USFC5000-311 USFC5000-315 USFC5000-400	96050 430304	10 7/8 276.2	9 3/8 238.1	3 1/2 88.9	31/32 24.6	2 21/32 67.5	4 15/16 125.4	6 152.4	7 3/4 196.9	2 1/16 52.4	8 1/8 206.4	9/16 14.3	3/4	42.3 19.25

* For expansion bearings, the sum of dimension "H" and "N" can increase by the corresponding value in table VIII on page I-69.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
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SUMINISTROS INDUSTRIALES DÍAZ

Performance Mounted Spherical Roller Bearings

SEALMASTER®

Rolling Elements: Spherical Roller

Housing: Cast Iron Piloted Flange Cartridge

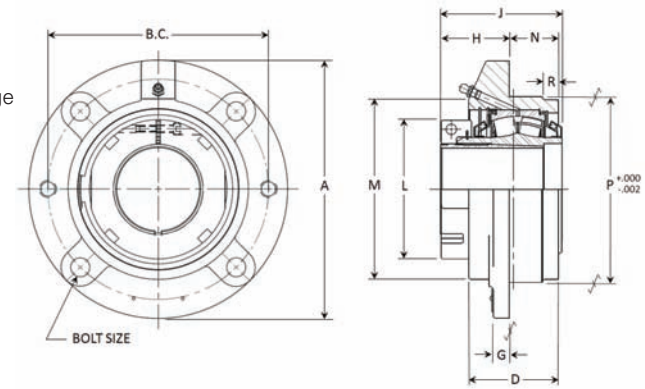
Self Alignment: +/- 2 Degrees

Lock: Adapter

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USFC5000K Series Piloted Flange Cartridge Units - Klamploc™ Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm												UNIT WT. lb/kg
			A	B.C.	D	G	H *	J	L	M	N *	P	R	BOLT SIZE	
1 7/16 1 1/2	USFC5000K-107 USFC5000K-108	20368 90597	5 1/4 133.4	4 3/8 111.1	2 1/16 52.4	15/32 11.9	1 33/64 38.5	2 13/16 71.4	2 51/64 71.0	3 1/2 88.9	1 9/32 32.5	3 5/8 92.1	–	3/8	5.3 2.4
1 11/16 1 3/4	USFC5000K-111 USFC5000K-112	22689 100921	6 1/8 155.6	5 1/8 130.2	2 1/4 57.2	15/32 11.9	1 31/64 37.7	2 15/16 74.6	3 76.2	4 101.6	1 7/16 36.5	4 1/4 108.0	9/16 14.3	7/16	7.5 3.4
1 15/16 2	USFC5000K-115 USFC5000K-200	23520 104622	6 3/8 161.9	5 3/8 136.5	2 1/4 57.2	17/32 13.5	1 11/32 34.1	2 13/16 71.4	3 13/64 81.4	4 3/8 111.1	1 15/32 37.3	4 1/2 114.3	19/32 15.1	7/16	8.1 3.7
2 3/16	USFC5000K-203	28087 124931	7 1/8 181.0	6 152.4	2 3/8 60.3	17/32 13.5	1 5/8 41.3	3 5/32 80.2	3 1/2 88.9	4 3/4 120.7	1 15/32 37.3	5 127.0	15/32 11.9	1/2	10.4 4.7
6.52 7/16 2 1/2	USFC5000K-207 USFC5000K-208	44691 198786	7 5/8 193.7	6 1/2 165.1	2 53/64 71.8	19/32 15.1	2 1/32 51.6	3 19/32 91.3	4 3/32 104.0	5 5/16 134.9	1 5/8 41.3	5 1/2 139.7	19/32 15.1	1/2	14.4 6.5
2 11/16 2 3/4 2 15/16 3	USFC5000K-211 USFC5000K-212 USFC5000K-215 USFC5000K-300	47447 211044	8 3/4 222.3	7 1/2 190.5	2 7/8 73.0	23/32 18.3	2 1/32 51.6	3 29/32 99.2	4 1/2 114.3	6 152.4	1 27/32 46.8	6 3/8 161.9	19/32 15.1	5/8	20.5 9.3
3 3/16 3 7/16 3 1/2	USFC5000K-303 USFC5000K-307 USFC5000K-308	72640 323103	10 1/4 260.4	8 5/8 219.1	37/64 79.0	53/64 21.0	2 1/2 63.5	4 35/64 115.5	5 1/2 139.7	7 3/16 182.6	1 27/32 46.8	7 3/8 187.3	37/64 14.7	3/4	32.0 14.5
3 11/16 3 15/16 4	USFC5000K-311 USFC5000K-315 USFC5000K-400	96050 427230	10 7/8 276.2	9 3/8 238.1	3 1/2 88.9	31/32 24.6	2 11/16 68.3	4 61/64 125.8	5 45/64 114.9	7 3/4 196.9	2 1/16 52.4	8 1/8 206.4	9/16 14.3	3/4	39.1 17.7

* For expansion bearings, the sum of dimension "H" and "N" can increase by the corresponding value in table VIII on page I-69.
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SUMINISTROS INDUSTRIALES DÍAZ

Rolling Elements: Spherical Roller
Housing: Ductile Iron Flange Bracket
Self Alignment: +/- 2 Degrees
Lock: Setscrew
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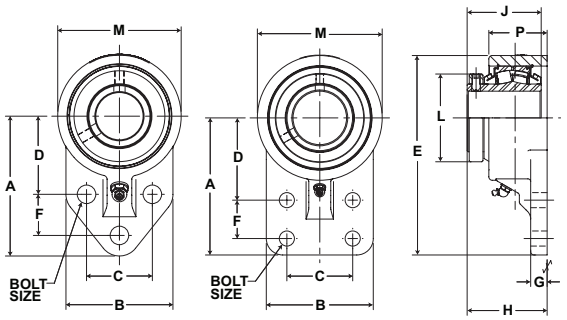


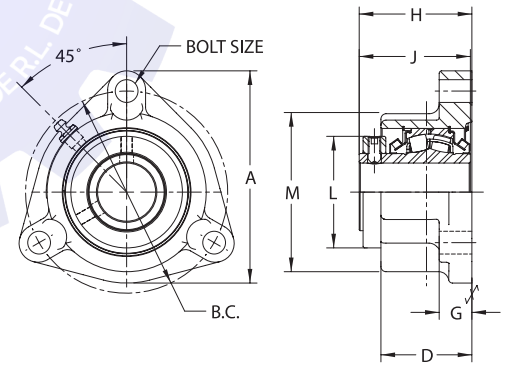
USBF5000 Series Three-Bolt Flange Brackets - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm													UNIT WT. lb/kg
			A	B	C	D	E	F	G	H *	J	L	M	P	BOLT SIZE	
1 7/16	USBF5000-107	20368 90597	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	5/8 15.9	2 53/64 71.8	2 3/4 69.9	2 49/64 70.2	3 3/4 95.3	2 1/4 57.2	1/2	6.4 2.91
1 15/16	USBF5000-115	23520 104622	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 5/16 185.7	1 5/8 41.3	11/16 17.5	2 31/32 75.4	2 7/8 73.0	3 76.2	4 1/4 108.0	2 3/8 60.3	1/2	7.5 3.41

USBF5000 Series Four-Bolt Flange Brackets - Collar Mount

BORE DIAMETER INCH	PART NO.	BASIC DYNAMIC RATING LB/N	DIMENSIONS INCH / MM													UNIT WT. LB/KG
			A	B	C	D	E	F	G	H *	J	L	M	P	BOLT SIZE	
2 7/16	USBFF5000-207	44691 198786	6 1/4 158.8	4 7/8 123.8	3 76.2	3 3/4 95.3	9 3/32 231.0	1 3/4 44.5	3/4 19.1	3 31/64 88.5	3 3/8 85.7	4 101.6	5 11/16 144.5	2 21/32 67.5	5/8	16.6 7.55

Rolling Elements: Spherical Roller
Housing: Cast Iron Three Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USF3B5000 Series Three-Bolt Flange Units - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm									UNIT WT. lb/kg
			A	B.C.	D	G	H *	J	L	M	BOLT SIZE	
1 1/8 1 3/16 1 1/4	USF3B5000-102 USF3B5000-103 USF3B5000-104	20368 90597	5 1/4 133.4	4 1/2 114.3	2 1/4 57.2	25/32 19.8	2 53/64 71.8	2 3/4 69.9	2 49/64 70.2	3 15/16 100.0	3/8	6.9 3.13
1 7/16 1 1/2	USF3B5000-107 USF3B5000-108	20368 90597	5 1/4 133.4	5 127.0	2 1/4 57.2	13/16 20.6	2 53/64 71.8	2 3/4 69.9	2 49/64 70.2	3 15/16 100.0	1/2	6.4 2.91

*For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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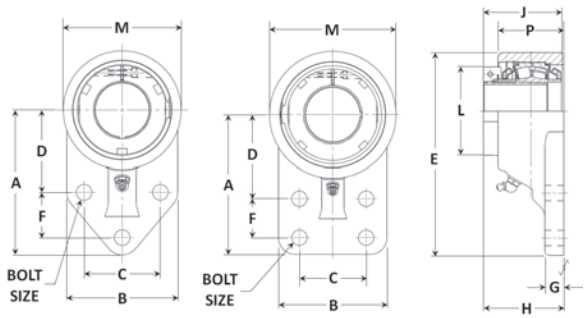
Performance Mounted Spherical Roller Bearings

SEALMASTER®

Rolling Elements: Spherical Roller
Housing: Ductile Iron Flange Bracket
Self Alignment: +/- 2 Degrees
Lock: Adapter
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USBF5000K Series Three-Bolt Flange Brackets - Klamploc™ Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm													UNIT WT. lb/kg
			A	B	C	D	E	F	G	H *	J	L	M	P	BOLT SIZE	
1 7/16	USBF5000K-107	20368 90597	4 1/4 108.0	3 1/4 82.6	2 50.8	2 3/8 60.3	6 1/8 155.6	1 1/4 31.8	5/8 15.9	2 29/32 73.8	2 13/16 71.6	2 51/64 71.0	3 3/4 95.3	2 1/4 57.2	1/2	5.8 2.6
1 15/16	USBF5000K-115	23520 104622	5 3/16 131.8	4 101.6	2 3/4 69.9	2 15/16 74.6	7 5/16 185.7	1 5/8 41.3	11/16 17.5	2 29/32 73.8	2 13/16 71.6	3 13/64 81.4	4 1/4 108.0	2 3/8 60.3	1/2	7.9 3.6

USBF5000K Series Four-Bolt Flange Brackets - Klamploc™ Adapter Mount

BORE DIAMETER INCH	PART NO.	BASIC DYNAMIC RATING LB/N	DIMENSIONS INCH / MM													UNIT WT. LB/KG
			A	B	C	D	E	F	G	H *	J	L	M	P	BOLT SIZE	
2 7/16	USBFF5000K-207	44691 198786	6 1/4 158.8	4 7/8 123.8	3 76.2	3 3/4 95.3	9 3/32 231.0	1 3/4 44.5	3/4 19.1	3 45/64 94.1	3 19/32 91.4	4 3/32 104.1	5 11/16 144.5	2 55/64 72.8	5/8	17.4 7.9

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
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Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

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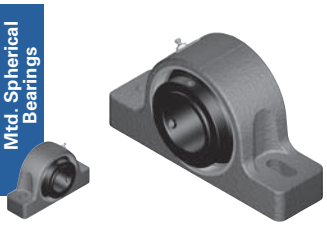
Performance Mounted Spherical Roller Bearings



Rolling Elements: Spherical Roller

Housing: Ductile Iron Two Bolt Pillow Block

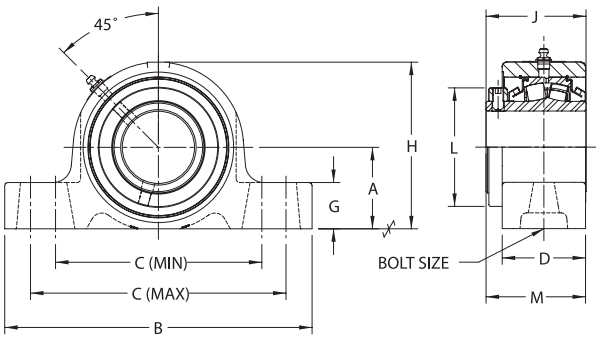
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRBE5000 Series 2-Bolt Base Pillow Blocks - Collar Mount, Type E Mounting Dimensions

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B	C MIN.	C MAX.	D	G	H	J	L	M *	BOLT SIZE	
1 15/16	USRBE5000-115	23520	2 1/4	8 7/8	6	7 1/8	2 7/16	1 5/16	4 17/32	2 7/8	3	2 63/64	5/8	11.4
2	USRBE5000-200	104622	57.2	225.4	152.4	181.0	61.9	33.3	115.1	73.0	76.2	75.8		5.18
2 3/16	USRBE5000-203	28087 124931	2 1/2 63.5	9 5/8 244.5	6 1/2 165.1	7 7/8 200.0	2 1/2 63.5	1 7/16 36.5	4 31/32 126.2	3 1/8 79.4	3 1/4 82.6	3 1/8 79.4	5/8	13.7 6.21
2 7/16	USRBE5000-207	44691	2 3/4	10 3/8	6 7/8	8 5/8	2 13/16	1 9/16	5 5/8	3 3/8	4	3 11/32	5/8	19.4
2 1/2	USRBE5000-208	198786	69.9	263.5	174.6	219.1	71.4	39.7	142.9	85.7	101.6	84.5		8.82
2 11/16 2 3/4 2 15/16 3	USRBE5000-211 USRBE5000-212 USRBE5000-215 USRBE5000-300	47447 211044	3 1/8 79.4	11 5/8 295.3	7 7/8 200.0	9 5/8 244.5	2 5/8 66.7	1 5/8 41.3	6 1/16 154.0	3 7/8 98.4	4 17/32 115.1	3 11/16 93.7	3/4	22.3 10.14
3 3/16 3 7/16 3 1/2	USRBE5000-303 USRBE5000-307 USRBE5000-308	72640 323103	3 3/4 95.3	13 1/2 342.9	9 3/8 238.1	11 1/4 285.8	3 1/8 79.4	2 1/16 52.4	7 3/8 187.3	4 15/32 113.5	5 5/16 134.9	4 7/32 107.2	7/8	38.8 17.62
3 11/16 3 15/16 4	USRBE5000-311 USRBE5000-315 USRBE5000-400	96050 427230	4 1/8 104.8	14 1/4 362.0	10 254.0	11 3/4 298.5	3 9/16 90.5	2 1/4 57.2	8 1/2 215.9	4 15/16 125.4	6 152.4	4 23/32 119.9	1	55.4 25.19

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.

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Performance Mounted Spherical Roller Bearings

SEALMASTER®

Rolling Elements: Spherical Roller

Housing: Ductile Iron Two Bolt Pillow Block

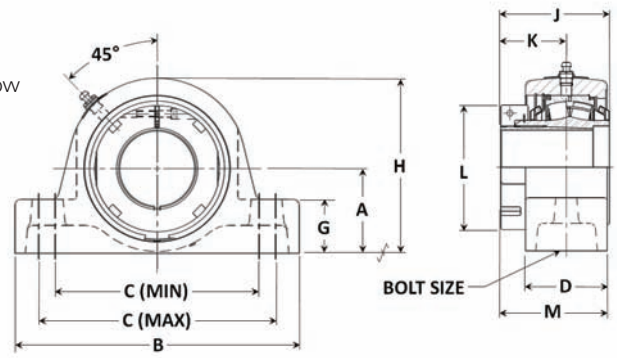
Self Alignment: +/- 2 Degrees

Lock: Adapter

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USRBE5000K Series 2-Bolt Base Pillow Blocks - Klamploc™Adapter Mount, Type E Mounting Dimensions

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B	C MIN.	C MAX.	D	G	H	J	K	L	M *	BOLT SIZE	
1 15/16	USRBE5000K-115	23520	2 1/4	8 7/8	6	7 1/8	2 7/16	1 5/16	4 17/32	2 13/16	1 45/64	3 13/64	2 59/64	5/8	11.4
2	USRBE5000K-200	104622	57.2	225.4	152.4	181.0	61.9	33.3	115.1	71.4	43.3	81.4	74.2		5.2
2 3/16	USRBE5000K-203	28087	2 1/2	9 5/8	6 1/2	7 7/8	2 1/2	1 7/16	4 31/32	3 5/32	1 57/64	3 1/2	3 9/64	5/8	23.9
		124931	63.5	244.5	165.1	200.0	63.5	36.5	126.2	80.2	48.0	88.9	79.8		6.3
2 7/16	USRBE5000K-207	44691	2 3/4	10 3/8	6 7/8	8 5/8	2 13/16	1 9/16	5 5/8	3 19/32	2 11/64	4 3/32	3 19/32	5/8	19.7
2 1/2	USRBE5000K-208	211044	69.9	263.5	174.6	219.1	71.4	39.7	142.9	91.3	55.2	104.0	91.3		8.9
2 11/16	USRBE5000K-211														
2 3/4	USRBE5000K-212	47447	3 1/8	11 5/8	7 7/8	9 5/8	2 5/8	1 5/8	6 1/16	3 29/32	2 25/64	4 1/2	3 45/64	3/4	20.9
2 15/16	USRBE5000K-215	211044	79.4	295.3	200.0	244.5	66.7	41.3	154.0	99.2	60.7	114.3	94.1		9.5
3	USRBE5000K-300														
3 3/16	USRBE5000K-303														
3 7/16	USRBE5000K-307	72640 323103	3 3/4	13 1/2	9 3/8	11 1/4	3 1/8	2 1/16	7 3/8	4 35/64	2 47/64	5 1/2	4 19/64	7/8	37.3
3 1/2	USRBE5000K-308		95.3	342.9	238.1	285.8	79.4	52.4	187.3	115.5	69.5	139.7	109.1		16.9
3 11/16	USRBE5000K-311														
3 15/16	USRBE5000K-315	96050 427230	4 1/8	14 1/4	10	11 3/4	3 9/16	2 1/4	8 1/2	4 61/64	2 61/64	5 45/64	4 47/64	1	52.2
4	USRBE5000K-400		104.8	362.0	254.0	298.5	90.5	57.2	215.9	125.8	75.0	114.9	120.3		23.7

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
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SEALMASTER®

Performance Mounted Spherical Roller Bearings

Rolling Elements: Spherical Roller

Housing: Ductile Iron Four Bolt Flange

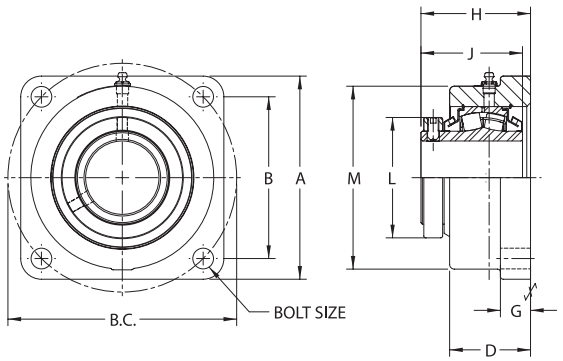
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USFBE5000 Series 4-Bolt Flange Units - Collar Mount, Type E Mounting Dimensions

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm										UNIT WT. lb/kg
			A	B	B.C.	D	G	H *	J	L	M	BOLT SIZE	
1 15/16	USFBE5000-115	23520	5 1/2	4 3/8	6 3/16	2 9/16	7/8	3 3/16	2 7/8	3	4 31/32	1/2	11.6
2	USFBE5000-200	104622	139.7	111.1	157.2	65.1	22.2	81.0	73.0	76.2	126.2		5.25
2 3/16	USFBE5000-203	28087	6 3/16	4 7/8	6 57/64	2 5/8	1	3 5/16	3 1/8	3 1/4	5 15/32	5/8	14.8
		124931	157.2	123.8	175.0	66.7	25.4	84.1	79.4	82.6	138.9		6.75
2 7/16	USFBE5000-207	44691	6 3/4	5 3/8	7 19/32	2 11/16	1	3 31/64	3 3/8	4	6 3/32	5/8	19.1
2 1/2	USFBE5000-208	198786	171.5	136.5	192.9	68.3	25.4	88.5	85.7	101.6	154.8		8.68
2 11/16	USFBE5000-211												
2 3/4	USFBE5000-212	47447	7 5/8	6	8 31/64	2 3/4	1 1/16	3 63/64	3 7/8	4 17/32	6 53/64	3/4	26.4
2 15/16	USFBE5000-215	211044	193.7	152.4	215.5	69.9	27.0	101.2	98.4	115.1	173.4		12.00
3	USFBE5000-300												
3 3/16	USFBE5000-303												
3 7/16	USFBE5000-307	72640 323103	8 5/8 219.1	7 177.8	9 29/32 251.6	3 1/4 82.6	1 1/4 31.8	4 19/32 116.7	4 15/32 113.5	5 5/16 134.9	7 31/32 202.4	3/4	40.3 18.34
3 1/2	USFBE5000-308												
3 11/16	USFBE5000-311												
3 15/16	USFBE5000-315	96050 427230	9 1/2 241.3	7 19/32 192.9	10 3/4 273.1	3 11/16 93.7	1 1/4 31.8	5 5/64 129.0	4 15/16 125.4	6 152.4	8 7/8 225.4	7/8	52.3 23.76
4	USFBE5000-400												

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.

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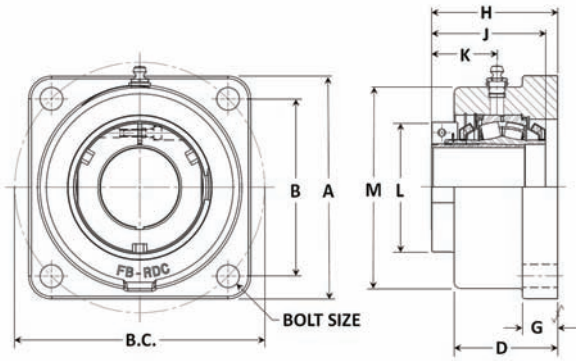
Rolling Elements: Spherical Roller
Housing: Ductile Iron Four Bolt Flange
Self Alignment: +/- 2 Degrees
Lock: Adapter
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USFBE5000K Series 4-Bolt Flange Units - Klamploc™ Adapter Mount, Type E Mounting Dimensions

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B	B.C.	D	G	H *	J	K	L	M	BOLT SIZE	
1 15/16	USFBE5000K-115	23520	5 1/2	4 3/8	6 3/16	2 9/16	7/8	3 1/8	2 13/16	1 5/8	3 13/64	4 31/32	1/2	11.9
2	USFBE5000K-200	104622	139.7	111.1	157.2	65.0	22.2	79.2	71.6	41.1	81.4	126.2		5.4
2 3/16	USFBE5000K-203	28087 124931	6 3/16 157.2	4 7/8 123.8	6 57/64 175.0	2 5/8 66.7	1 25.4	4 11/32 84.8	3 5/32 80.2	1 59/64 48.8	3 1/2 88.9	5 7/16 138.1	5/8	15.6 7.1
2 7/16	USFBE5000K-207	44691	6 3/4	5 3/8	7 19/32	2 11/16	1	4 45/64	3 19/32	2 13/64	4 3/32	6 5/64	5/8	19.9
2 1/2	USFBE5000K-208	198786	171.5	136.5	192.9	68.3	25.4	94.1	91.4	55.8	104.1	154.4		9.0
2 11/16	USFBE5000K-211													
2 3/4	USFBE5000K-212	47447	7 5/8	6	8 31/64	2 7/8	1 1/16	4	3 29/32	2 3/8	4 1/2	6 53/64	3/4	26.3
2 15/16	USFBE5000K-215	211044	193.7	152.4	215.5	72.9	27.0	101.6	99.2	60.5	114.3	173.4		11.9
3	USFBE5000K-300													
3 3/16	USFBE5000K-303													
3 7/16	USFBE5000K-307	72640 323103	8 5/8 219.1	7 177.8	9 29/32 251.6	3 17/32 89.7	1 1/4 31.8	4 43/64 118.9	4 35/64 115.6	2 3/4 69.9	5 1/2 139.7	7 15/16 201.6	3/4	41.4 18.8
3 1/2	USFBE5000K-308													
3 11/16	USFBE5000K-311													
3 15/16	USFBE5000K-315	96050 427230	9 1/2 241.3	7 19/32 192.9	10 3/4 273.1	3 25/32 96.0	1 1/4 31.8	5 3/32 129.4	4 61/64 125.8	3 13/64 81.5	5 45/64 144.9	8 7/8 225.4	7/8	51.0 23.1
4	USFBE5000K-400													

* For expansion bearings, this dimension can increase by the corresponding value in table VIII on page I-69.
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SUMINISTROS INDUSTRIALES DÍAZ

Rolling Elements: Spherical Roller

Housing: Ductile Iron Piloted Flange Cartridge

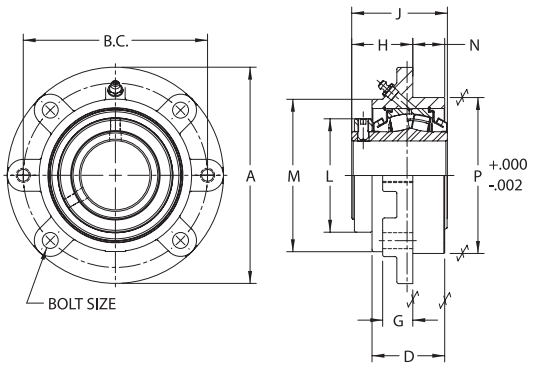
Self Alignment: +/- 2 Degrees

Lock: Setscrew

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USFCE5000 Series Flange Cartridge Units - Collar Mount, Type E Mounting Dimensions

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B.C.	D	G	H *	J	L	M	N *	P	BOLT SIZE	
1 15/16	USFCE5000-115	23520	6 3/8	5 3/8	2 7/16	1	1 31/32	2 7/8	3	4 1/2	1 1/16	4 1/2	3/8	9.6
2	USFCE5000-200	104622	161.9	136.5	61.9	25.4	50.0	73.0	76.2	114.3	27.0	114.3		4.35
2 3/16	USFCE5000-203	28087	7 1/8	6	2 1/2	1	2 1/16	3 1/8	3 1/4	4 7/8	1 1/8	5	1/2	11.8
		124931	181.0	152.4	63.5	25.4	52.4	79.4	82.6	123.8	28.6	127.0		5.35
2 7/16	USFCE5000-207	44691	7 5/8	6 1/2	2 9/16	1 1/16	2 5/32	3 3/8	4	5 3/8	1 1/8	5 1/2	1/2	15.0
2 1/2	USFCE5000-208	198786	193.7	165.1	65.1	27.0	54.8	85.7	101.6	136.5	28.6	139.7		6.83
2 11/16	USFCE5000-211													
2 3/4	USFCE5000-212	47447	8 3/4	7 1/2	2 9/16	15/16	2 7/16	3 7/8	4 17/32	6 1/4	1 1/4	6 3/8	5/8	22.0
2 15/16	USFCE5000-215	211044	222.3	190.5	65.1	23.8	61.9	98.4	115.1	158.8	31.8	161.9		10.02
3	USFCE5000-300													
3 3/16	USFCE5000-303													
3 7/16	USFCE5000-307	72640 323103	10 1/4 260.4	8 5/8 219.1	3 1/8 79.4	1 7/16 36.5	2 15/16 74.6	4 15/32 113.5	5 5/16 134.9	7 1/8 181.0	1 5/16 33.3	7 3/8 187.3	3/4	36.5 16.59
3 1/2	USFCE5000-308													
3 11/16	USFCE5000-311													
3 15/16	USFCE5000-315	96050 427230	10 7/8 276.2	9 3/8 238.1	3 1/2 88.9	1 1/16 27.0	2 21/32 67.5	4 15/16 125.4	6 152.4	7 3/4 196.9	2 1/16 52.4	8 1/8 206.4	3/4	42.7 19.40
4	USFCE5000-400													

* For expansion bearings, the sum of dimension "H" and "N" can increase by the corresponding value in table VIII on page I-69.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

Rolling Elements: Spherical Roller

Housing: Ductile Iron Piloted Flange Cartridge

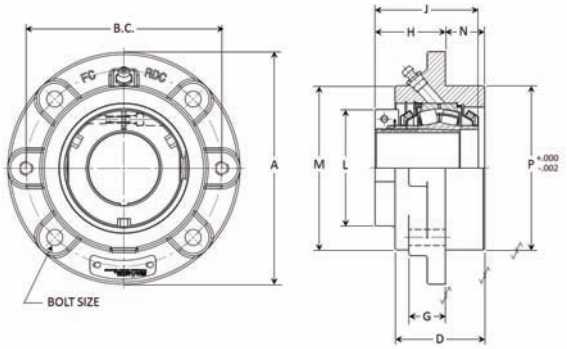
Self Alignment: +/- 2 Degrees

Lock: Adapter

Seal: Felt

Optional Seal: Double Lip Contact

Temperature: -20° to 220° F



USFCE5000K Series Flange Cartridge Units - Klamploc™ Adapter Mount, Type E Mounting Dimensions

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm											UNIT WT. lb/kg
			A	B.C.	D	G	H *	J	L	M	N *	P	BOLT SIZE	
1 15/16	USFCE5000K-115	23520	6 3/8	5 3/8	2 7/16	1	1 59/64	2 13/16	3 13/64	4 1/2	1 1/16	4 1/2	3/8	9.8
2	USFCE5000K-200	104622	161.9	136.5	61.9	25.4	48.8	71.6	81.4	114.3	27.0	114.3		4.4
2 3/16	USFCE5000K-203	28087	7 1/8	6	2 1/2	1	2 3/32	3 5/32	3 1/2	4 7/8	1 1/8	5	1/2	12.3
		124931	181.0	152.4	63.5	25.4	53.3	80.2	88.9	123.8	28.6	127.0		5.6
2 7/16	USFCE5000K-207	44691	7 5/8	6 1/2	2 9/16	1 1/16	2 3/8	3 19/32	4 3/32	5 3/8	1 1/8	5 1/2	1/2	15.5
2 1/2	USFCE5000K-208	198786	193.7	165.1	65.1	27.0	60.3	91.4	104.1	136.5	28.6	139.7		7.1
2 11/16	USFCE5000K-211													
2 3/4	USFCE5000K-212	47447	8 3/4	7 1/2	2 9/16	15/16	2 15/32	3 29/32	4 1/2	6 1/4	1 1/4	6 3/8	5/8	21.1
2 15/16	USFCE5000K-215	211044	222.3	190.5	65.1	23.8	62.7	99.2	114.3	158.8	31.8	161.9		9.6
3	USFCE5000K-300													
3 3/16	USFCE5000K-303													
3 7/16	USFCE5000K-307	72640 323103	10 1/4 260.4	8 5/8 219.1	3 1/8 79.4	1 7/16 36.5	3 1/32 77.1	4 35/64 115.6	5 1/5 139.7	7 1/8 181.0	1 5/16 33.3	7 3/8 187.3	3/4	35.8 16.2
3 1/2	USFCE5000K-308													
3 11/16	USFCE5000K-311													
3 15/16	USFCE5000K-315	96050 427230	10 7/8 276.2	9 3/8 238.1	3 1/2 88.9	1 1/16 27.0	2 11/16 68.3	4 61/64 125.8	5 45/64 144.9	7 3/4 196.9	2 1/16 52.4	8 1/8 206.4	3/4	40.2 18.2
4	USFCE5000K-400													

* For expansion bearings, the sum of dimension "H" and "N" can increase by the corresponding value in table VIII on page I-69.
One expansion unit is to be used in conjunction with one non-expansion unit for applications using an adapter lock unit
Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

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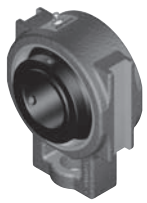
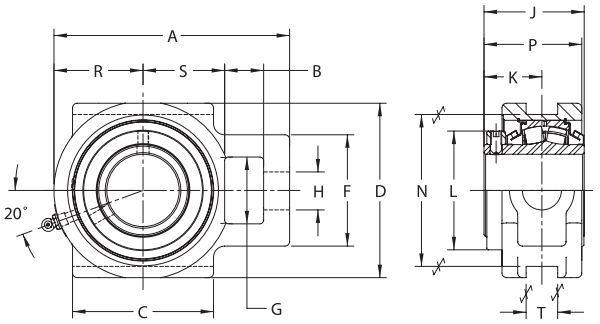
SEALMASTER®

Performance Mounted Spherical Roller Bearings



Rolling Elements: Spherical Roller
Housing: Cast Iron Take-Up
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USTU5000 Series Take-Up Units - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm															UNIT WT. lb/kg
			A	B	C	D	F	G	H	J	K	L	N	P	R	S	T	
1 15/16	USTU5000-115	23520	6 3/16	1 1/16	3 1/2	4 3/4	2 7/8	1 15/16	1 1/16	2 7/8	1 3/4	3	4	2 61/64	2 1/4	2 1/8	11/16	8.3
2	USTU5000-200	104622	157.2	27.0	88.9	120.7	73.0	49.2	27.0	73.0	44.5	76.2	101.6	75.0	57.2	54.0	17.5	3.76
2 3/16	USTU5000-203	28087	6 13/16	1 3/16	3 3/4	5 1/4	3 1/2	2 1/4	1 3/16	3 1/8	1 15/16	3 1/4	4 1/2	3 15/64	2 1/2	2 3/8	13/16	10.7
		124931	173.0	30.2	95.3	133.4	88.9	57.2	30.2	79.4	49.2	82.6	114.3	82.2	63.5	60.3	20.6	4.86
2 7/16	USTU5000-207	44691	7 15/16	1 5/16	4 3/4	5 7/8	3 3/4	2 1/4	1 5/16	3 3/8	1 15/16	4	5 1/8	3 19/64	3	2 3/4	1 1/16	16.8
2 1/2	USTU5000-208	198786	201.6	33.3	120.7	149.2	95.3	57.2	33.3	85.7	49.2	101.6	130.2	83.7	76.2	69.9	27.0	7.63
2 11/16	USTU5000-211																	
2 3/4	USTU5000-212	47447	8 3/4	1 9/16	4 3/4	6 3/4	4 1/4	2 3/4	1 9/16	3 7/8	2 3/8	4 17/32	5 15/16	3 55/64	3 3/16	3	1 13/16	24.6
2 15/16	USTU5000-215	211044	222.3	39.7	120.7	171.5	108.0	69.9	39.7	98.4	60.3	115.1	150.8	98.0	81.0	76.2	46.0	11.16
3	USTU5000-300																	
3 3/16	USTU5000-303																	
3 7/16	USTU5000-307	72640 323103	10 7/16 265.1	1 13/16 46.0	6 1/4 158.8	7 5/8 193.7	4 7/8 123.8	2 7/8 73.0	1 13/16 46.0	4 15/32 113.5	2 21/32 67.5	5 5/16 134.9	6 13/16 173.0	4 29/64 113.1	4 101.6	3 5/8 92.1	1 13/16 46.0	40.9 18.60
3 1/2	USTU5000-308																	
3 11/16	USTU5000-311																	
3 15/16	USTU5000-315	96050 427230	11 13/16 300.0	2 1/8 54.0	7 177.8	9 7/16 239.7	5 5/8 142.9	3 3/8 85.7	2 3/16 55.6	4 15/16 125.4	2 15/16 74.6	6 152.4	8 5/8 219.1	5 3/16 131.8	4 7/16 112.7	4 1/8 104.8	2 1/16 52.4	66.6 30.26
4	USTU5000-400																	

Note: These take-up units can be used with T-1000 take-up frames shown on pages I-45 and I-46.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
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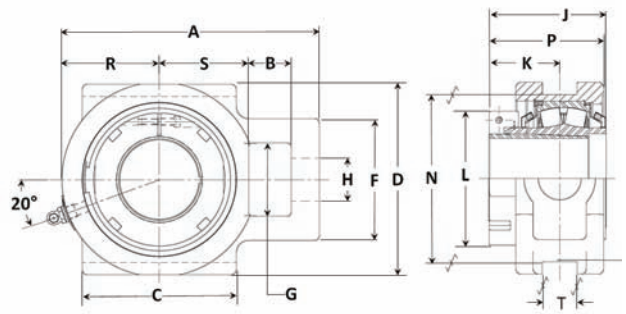
SUMINISTROS INDUSTRIALES DÍAZ

Rolling Elements: Spherical Roller
Housing: Cast Iron Take-Up
Self Alignment: +/- 2 Degrees
Lock: Adapter
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USTU5000K Series Take-Up Units - Klamploc™ Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm															UNIT WT. lb/kg
			A	B	C	D	F	G	H	J	K	L	N	P	R	S	T	
1 15/16	USTU5000K-115	23520	6 3/16	1 1/16	3 1/2	4 3/4	2 7/8	1 15/16	1 1/16	2 13/16	1/11/16	3 13/64	4	2 57/64	2 1/4	2 1/8	11/16	8.2
2	USTU5000K-200	104622	157.2	27.0	88.9	120.7	73.0	49.2	27.0	71.6	42.9	81.4	101.6	73.4	57.2	54.0	17.5	3.7
2 3/16	USTU5000K-203	28087	6 13/16	1 3/16	3 3/4	5 1/4	3 1/2	2 1/4	1 3/16	3 5/32	1 63/64	3 1/2	4 1/2	3 17/64	2 1/2	2 3/8	13/16	10.9
		124931	173.0	30.2	95.3	133.4	88.9	57.2	30.2	80.2	50.4	88.9	114.3	82.9	63.5	60.3	20.6	5.0
2 7/16	USTU5000K-207	44691	7 15/16	1 5/16	4 3/4	5 7/8	3 3/4	2 1/4	1 5/16	3 19/32	2 11/64	4 3/32	5 1/8	3 33/64	3	2 3/4	1 1/16	17.0
2 1/2	USTU5000K-208	198786	201.6	33.3	120.7	149.2	95.3	57.2	33.3	91.4	55.2	104.1	130.2	89.3	76.2	69.9	27.0	7.7
2 11/16	USTU5000K-211																	
2 3/4	USTU5000K-212	47447	8 3/4	1 9/16	4 3/4	6 3/4	4 1/4	2 3/4	1 9/16	3 29/32	2 25/64	4 1/2	5 15/16	3 57/64	3 3/16	3	1 13/16	23.2
2 15/16	USTU5000K-215	211044	222.3	39.7	120.7	171.5	108.0	69.9	39.7	99.2	60.7	114.3	150.8	98.8	81.0	76.2	46.0	10.5
3	USTU5000K-300																	
3 3/16	USTU5000K-303																	
3 7/16	USTU5000K-307	72640 323103	10 7/16 265.1	1 13/16 46.0	6 1/4 158.8	7 5/8 193.7	4 7/8 123.8	2 7/8 73.0	1 13/16 46.0	4 35/64 115.5	2 47/64 69.5	5 1/2 139.7	6 13/16 173.0	4 17/32 115.1	4 101.6	3 5/8 92.1	1 13/16 46.0	39.6 18.0
3 1/2	USTU5000K-308																	
3 11/16	USTU5000K-311																	
3 15/16	USTU5000K-315	96050 427230	11 13/16 300.0	2 1/8 54.0	7 177.8	9 7/16 239.7	5 5/8 142.9	3 3/8 85.7	2 3/16 55.6	4 61/64 125.8	2 61/64 75.0	5 46/64 144.9	8 5/8 219.1	5 13/14 132.2	4 7/16 112.7	4 1/8 104.8	2 1/16 52.4	63.3 28.9
4	USTU5000K-400																	

Note: These take-up units can be used with T-1000 take-up frames shown on pages I-45 and I-46.
One expansion unit is to be used in conjunction with one non-expansion unit for applications using an adapter lock unit
Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

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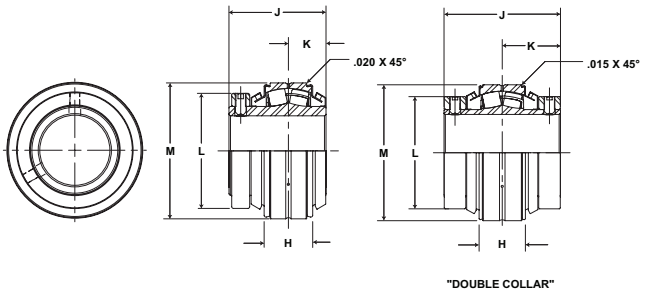
Rolling Elements: Spherical Roller
Housing: Insert Bearing
Self Alignment: +/- 2 Degrees
Lock: Setscrew
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



"DOUBLE COLLAR"

USI5000 Unitized Spherical Roller Bearing Inserts - Collar Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm					UNIT WT. lb/kg
			H	J	K	L	M (NOMINAL)	
1 1/8 1 3/16 1 1/4 1 7/16 1 1/2	USI5000-102 USI5000-103 USI5000-104 USI5000-107 USI5000-108	20368 90597	1 15/64 31.4	2 3/4 69.9	1 25.4	2 49/64 70.2	3.1493 80.0	3.3 1.50
1 11/16 1 3/4	USI5000-111 USI5000-112	22689 100921	1 7/32 31.0	2 7/8 73.0	1 3/64 26.6	2 3/4 69.9	3.3462 85.0	3.0 1.36
1 15/16 2	USI5000-115 USI5000-200	23520 104622	1 17/64 32.1	2 7/8 73.0	1 1/16 27.0	3 76.2	3.5430 90.0	3.2 1.45
2 3/16	USI5000-203	28087 124931	1 23/64 34.5	3 1/8 79.4	1 9/64 29.0	3 1/4 82.6	3.9367 100.0	3.9 1.77
2 7/16 2 1/2	USI5000-207 USI5000-208	44691 198786	1 11/16 42.9	3 3/8 85.7	1 5/16 33.3	4 101.6	4.7241 120.0	7.3 3.32
2 11/16 2 3/4 2 15/16 3	USI5000-211 USI5000-212 USI5000-215 USI5000-300	47447 211044	1 23/32 43.7	3 7/8 98.4	1 25/64 35.3	4 17/32 115.1	5.1178 130.0	9.9 4.50
3 3/16 3 7/16 3 1/2	USI5000-303 USI5000-307 USI5000-308	72640 323103	2 1/8 54.0	4 15/32 113.5	1 45/64 43.3	5 5/16 134.9	6.2987 160.0	17.8 8.09
3 11/16 3 15/16 4	USI5000-311 USI5000-315 USI5000-400	96050 427230	2 13/32 61.1	4 15/16 125.4	1 55/64 47.2	6 152.4	7.0861 180.0	15.8 7.18
4 7/16 4 1/2	USI5000-407 USI5000-408	111537 496117	2 11/16 68.3	6 3/4 171.5	3 3/8 85.7	6 1/2 165.1	7.8734 200.0	35.2 16.00
4 15/16	USI5000-415	158816 706414	3 21/64 84.5	7 27/64 188.5	3 23/32 94.5	7 1/2 190.5	9.0545 230.0	55.4 25.18
5 7/16	USI5000-507	196682 874842	3 21/32 92.9	9 1/32 229.4	4 33/64 114.7	8 1/2 215.9	9.8419 250.0	72.7 33.05
5 15/16	USI5000-515	196682 874842	4 25/64 111.5	9 25/32 248.4	4 57/64 124.2	10 254.0	11.4166 290.0	117.2 53.27
6 7/16 6 1/2 6 15/16 7	USI5000-608 USI5000-700	334229 1486651	4 55/64 123.4	10 1/2 266.7	5 1/4 133.4	11 279.4	12.5976 320.0	162.5 73.87

Note: 1 1/8" - 4" bore sizes have a single lock collar. 4 7/16" - 7" bore sizes have a double lock collar.

Metric dimensions for reference only.
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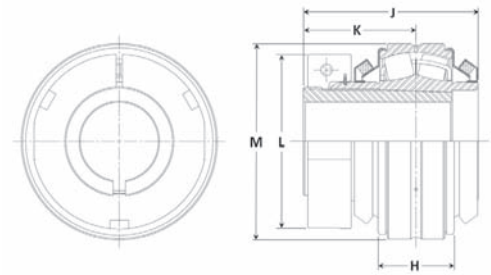
Performance Mounted Spherical Roller Bearings

SEALMASTER®

Rolling Elements: Spherical Roller
Housing: Insert Bearing
Self Alignment: +/- 2 Degrees
Lock: Adapter
Seal: Felt
Optional Seal: Double Lip Contact
Temperature: -20° to 220° F



USI5000K Unitized Spherical Roller Bearing Inserts - Klamploc™Adapter Mount

BORE DIAMETER inch	PART NO.	BASIC DYNAMIC RATING lb/N	DIMENSIONS inch / mm H	J	K	L	M (NOMINAL)	UNIT WT. lb/kg
1 1/8 1 3/16 1 1/4 1 7/16 1 1/2	USI5000K-102 USI5000K-103 USI5000K-104 USI5000K-107 USI5000K-108	20368 90597	1 15/16 49.2	2 13/16 71.4	1 13/16 46.0	2 51/64 71.0	3.1494 80.0	3.0 1.4
1 11/16 1 3/4	USI5000K-111 USI5000K-112	22689 100921	1 7/32 31.0	2 15/16 74.6	1 57/64 48.0	3 76.2	3.3470 85.0	3.0 1.4
1 15/16 2	USI5000K-115 USI5000K-200	23520 104622	1 17/64 32.1	2 13/16 71.4	1 3/4 44.5	3 13/64 81.4	3.5430 90.0	3.0 1.4
2 3/16	USI5000K-203	28087 124931	1 23/64 34.5	3 5/32 80.2	2 1/64 51.2	3 1/2 88.9	3.9367 100.0	4.0 1.8
2 7/16 2 1/2	USI5000K-207 USI5000K-208	44691 198786	1 11/16 42.9	3 19/32 91.3	2 19/64 58.3	4 3/32 104.0	4.7241 120.0	7.4 3.4
2 11/16 2 3/4 2 15/16 3	USI5000K-211 USI5000K-212 USI5000K-215 USI5000K-300	47447 211044	1 23/32 43.7	3 29/32 99.2	2 33/64 63.9	4 1/2 114.3	5.1178 130.0	8.3 3.8
3 3/16 3 7/16 3 1/2	USI5000K-303 USI5000K-307 USI5000K-308	72640 323103	2 1/8 54.0	4 35/64 115.5	2 55/64 72.6	5 1/2 139.7	6.2987 160.0	16.1 7.3
3 11/16 3 15/16 4	USI5000K-311 USI5000K-315 USI5000K-400	96050 427230	2 13/32 61.1	4 61/64 125.8	3 3/32 78.6	5 45/64 144.9	7.0861 180.0	20.1 9.1
4 7/16 4 1/2	USI5000K-407 USI5000K-408	111537 496117	2 11/16 68.3	5 33/64 140.1	3 7/16 87.3	6 1/2 165.1	7.8734 200.0	27.4 12.4
4 15/16	USI5000K-415 USI5000K-500	158816 706414	3 21/64 84.5	6 21/64 160.7	3 29/32 99.2	7 1/2 190.5	9.0545 230.0	45.9 20.8
5 7/16	USI5000A-507	196682 874842	3 21/32 92.9	7 7/8 200.0	2 39/64 66.3	7 47/64 196.5	9.8419 250.0	57.7 26.2
5 15/16	USI5000A-515	261346 1162467	4 25/64 111.5	8 11/16 220.7	3 1/64 76.6	8 1/2 215.9	11.1724 283.8	91.3 41.4
6 7/16 6 1/2 6 15/16 7	USI5000A-607 USI5000A-608 USI5000A-615 USI5000A-700	334229 1486651	4 55/64 123.4	9 45/64 246.5	3 5/16 84.1	9 11/16 246.1	12.5976 320.0	118.7 53.8
7 1/2 7 15/16 8	USI5000A-708 USI5000A-715 USI5000A-800	363818 1618262	5 15/64 133.0	10 9/16 268.3	3 19/32 91.3	11 7/64 282.2	14.1732 360.0	178.9 81.1

Metric dimensions for reference only.
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For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

Bearing Selection Page H-3 | Nomenclature Aid Page H-6 | Features & Benefits Page H-7 | Technical Engineering Page I-47

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Mounted Tapered Roller

Modular bearing assembly consisting of sealed and lubricated inch or metric tapered bearing with setscrew locking collars contained within a variety of housings types, mounting styles, and housing materials. Mounted tapered roller bearings provide an antifriction solution when supporting rotating shafts with combination radial and thrust loads.

Housing Styles

Pillow Block, Flanges, Take Up Assemblies

Locking Styles

Setscrew

Bore Size Range

1 3/16” to 5” and 35mm to 125mm

Housing Materials

Cast Iron, and Cast Steel

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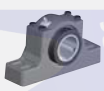
Mounted Tapered Roller Selection Guide

Brand	Image	Series	Housing Style
Sealmaster		RPB	Two Bolt Pillow Block
		RPB	Four Bolt Pillow Block
		ERPB	Expansion Two Bolt Pillow Block
		ERPB	Expansion Four Bolt Pillow Block
		DRPB	Two Bolt Pillow Block
		DRPB	Four Bolt Pillow Block
		EDPB	Expansion Two Bolt Pillow Block
		EDPB	Expansion Four Bolt Pillow Block
		RPBXT	Four Bolt Pillow Block (SAF mounting dimensions)
		ERPBXT	Expansion Four Bolt Pillow Block (SAF mounting dimensions)
		SPB	Two Bolt Pillow Block
		SPB	Four Bolt Pillow Block

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Lock Type					Size Range		
Double Lock Collar	Single Lock Collar	Housing Material	Standard Seal	Seal Options	Inch	Metric	Page
RPB-2	RPBA-2	Cast Iron	Felt	Contact, Nomex	1 3/16" - 3 1/2"	35 mm - 95 mm	I-13, I-15
RPB-4	RPBA-4	Cast Iron	Felt	Contact, Nomex	2 1/4" - 5"	60 mm - 125 mm	I-14, I-16
ERPB-2	ERPBA-2	Cast Iron	Felt	Contact, Nomex	1 3/4" - 3 1/2"	45 mm - 95 mm	I-17, I-19
ERPB-4	ERPBA-4	Cast Iron	Felt	Contact, Nomex	3 15/16" - 5"	100 mm - 125 mm	I-18, I-20
DRPB-2	DRPBA-2	Cast Iron	Felt	Contact, Nomex	1 3/4" - 3 1/2"	45 mm - 95 mm	I-21, I-23
DRPB-4	DRPBA-4	Cast Iron	Felt	Contact, Nomex	3 15/16" - 4"	100 mm - 105 mm	I-22, I-24
N/A	EDPBA-2	Cast Iron	Felt	Contact, Nomex	1 3/4" - 3 1/2"	100 mm - 105 mm	I-25
N/A	EDPBA-4	Cast Iron	Felt	Contact, Nomex	3 15/16" - 4"	100 mm - 105 mm	I-26
RPBXT-4	N/A	Cast Iron	Felt	Contact, Nomex	2 1/4" - 5"	60 mm - 125 mm	I-27
ERPBXT-4	N/A	Cast Iron	Felt	Contact, Nomex	2 1/4" - 5"	60 mm - 125 mm	I-28
SPB-2	N/A	Cast Steel	Felt	Contact, Nomex	1 1/2" - 3 1/2"	40 mm - 95 mm	I-29
SPB-4	N/A	Cast Steel	Felt	Contact, Nomex	3 15/16" - 5"	100 mm - 125 mm	I-30

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Mounted Tapered Roller Selection Guide

Brand	Image	Series	Housing Style
Sealmaster		RFB	Four Bolt Flange
		RFP	Piloted Flange Cartridge
		ERCI	Expansion Cartridge Insert
		RCI	Roller Cartridge Insert
Browning		PBE920	Two Bolt Pillow Block
		PBE920F	Four Bolt Pillow Block
		FBE920	Flange Block
		TUE920	Take Up
		T1000	Take Up Frame

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Lock Type					Size Range		
Double Lock Collar	Single Lock Collar	Housing Material	Standard Seal	Seal Options	Inch	Metric	Page
RFB	RFBA	Cast Iron	Felt	Contact, Nomex	1 3/16" - 4"	35 mm - 105 mm	I-31 to I-32
RFP	RFPA	Cast Iron	Felt	Contact, Nomex	1 3/16" - 5"	35 mm - 125 mm	I-33 to I-34
ERCI	ERCIA	N/A	Felt	Contact, Nomex	1 3/4" - 5"	45 mm - 125 mm	I-35
RCI	RCIA	N/A	Felt	Contact, Nomex	1 3/16" - 5"	35 mm - 125 mm	I-37
PBE920	N/A	Cast Iron	Contact	N/A	1 3/16" - 3 1/2"	N/A	I-42
PBE920F	N/A	Cast Iron	Contact	N/A	2 1/4" - 5"	N/A	I-42
FBE920	N/A	Cast Iron	Contact	N/A	1 3/16" - 4"	N/A	I-43
TUE920	N/A	Cast Iron	Contact	N/A	1 3/8" - 4 7/16"	N/A	I-44
N/A	N/A	N/A	N/A	N/A	1 1/2" - 4 1/2"	N/A	I-45 to I-46

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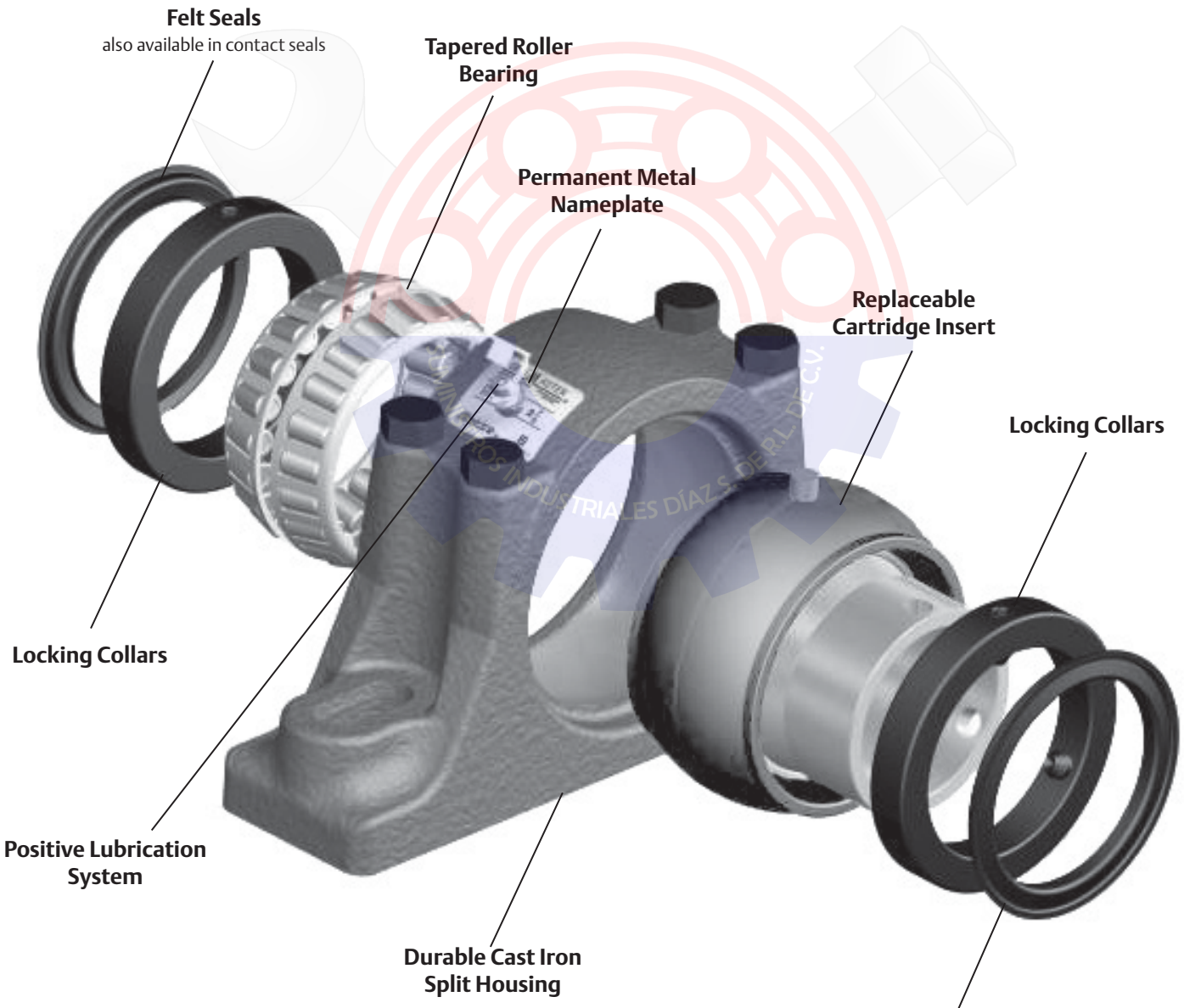
Sealmaster Tapered Roller Bearings

Sealmaster® RPB mounted tapered roller bearings are a dimensionally interchangeable upgrade from competitive Type E bearings. The exclusive features include unitized replaceable inserts, self aligning capability, split housing and the Sealmaster alignment pin which provides for a direct path for lubrication into the bearing and helps prevent outer ring rotation. The Sealmaster RPB is available with two traditional setscrew locking collars for easy installation. The felt seal with flinger provides a good balance between contaminant entry, grease retention and friction. Depending on application requirements, these bearings are available in both inch and metric with a wide variety of housing, sealing, and lubrication options as illustrated on the pages to follow.



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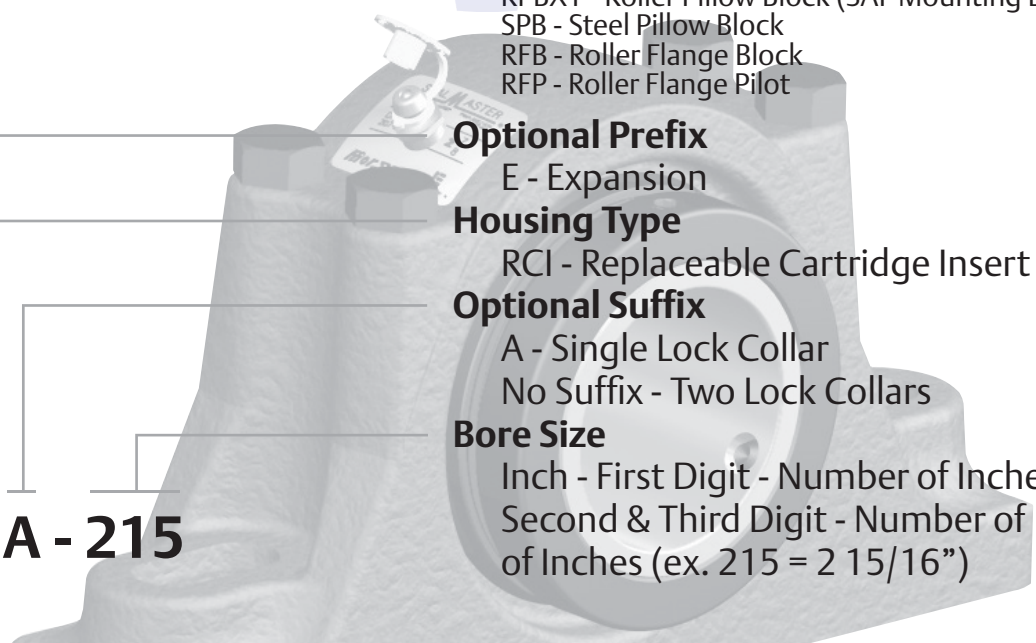
Tapered Roller Bearing Nomenclature

Optional Prefix
E - Expansion
Housing Type (*see below)
Optional Suffix
A - Single Lock Collar
No Suffix - Two Lock Collars
Bore Size
Inch - First Digit - Number of Inches
Second & Third Digit - Number of 1/16" of Inches (ex. 107 = 1 7/16")
Metric - 65 mm = 65 mm
Seal Option
C - Contact Seal
N - Nomex Seal
No Suffix - Felt Seal
Bolts
2 - Two Bolt Base
4 - Four Bolt Base
Options
CR - Corrosion Resistant (see page K-19)
AH - Air Handling
TF - Tight Fit
RC - Reduced Internal Clearance

ERPBA - 107 - C2CR

***Housing Type**
RPB - Roller Pillow Block
DRPB - Roller Pillow Block (DI)
RPBXT - Roller Pillow Block (SAF Mounting Dim.)
SPB - Steel Pillow Block
RFB - Roller Flange Block
RFP - Roller Flange Pilot



Optional Prefix
E - Expansion
Housing Type
RCI - Replaceable Cartridge Insert
Optional Suffix
A - Single Lock Collar
No Suffix - Two Lock Collars
Bore Size
Inch - First Digit - Number of Inches
Second & Third Digit - Number of 1/16" of Inches (ex. 215 = 2 15/16")

ERCI - A - 215

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SUMINISTROS INDUSTRIALES DÍAZ

Features and Benefits

Tapered Roller Bearings

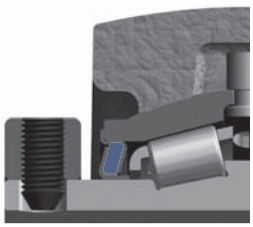
Sealmaster RPB series contains heavy duty tapered roller bearings for radial, thrust and combination loading.

Durable Cast Iron Split Housing

Durable cast iron split housings allow for quick insert replacement when change-out is required. Once installed, the base remains fixed and aligned with the shaft, reducing downtime and maintenance costs. Guide pin in the housing base orientates the proper assembly of the cap during replacement. Pillow block housings have elongated bolt holes for interchangeability with other competitive units. Permanent metal nameplate allows for easy identification after years of operation. Multiple housing styles include 2 and 4 bolt pillow block (RPB), 4 bolt flange (RFB), Piloted flange (RFP). Inch and metric bore size from 1 3/16" – 5" bore and 35 to 125 mm.

Replaceable Cartridge Insert (RCI)

The heart of the RPB is the unitized, self-aligning cartridge insert with integral seals and double locking collars. The replaceable cartridge insert can accommodate +/- 3° static misalignment and is factory sealed and lubricated. The cartridges fit all housing styles and are field replaceable for quick change out. RCI outer races are black oxide treated.



Felt Seals

Patented race mounted felt lined flinger seals help filter out contaminants and are not subject to misalignment distortion. The felt acts as a filter to help exclude contaminants. The rotating flinger helps repel contaminant build-up on the seal surfaces. Felt seal stampings are black oxided.

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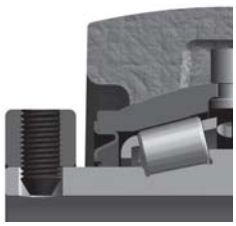
Features and Benefits continued



Single Lip Contact Seal

Single lip race mounted contact seals for dry, dirty and wet conditions. It's composed of a steel inner seal with a bonded elastomeric sealing member. The steel inner seal is press fit into the inside diameter of the outer race, while the bonded elastomeric sealing member is held in the proper rubbing contact position on the outer diameter of the inner race. Contact seal stampings are black oxided.

Positive Lubrication System

Positive lubrication system provides direct grease path to the bearing. The unit is designed with two lubrication ports in the cartridge OD so that one of lube holes in cartridge lines up with grease fitting regardless of insert orientation in the housing. A rubber grommet in housing top recess directs lubricant into bearing cavity. Extra lubrication ports help prevent seal damage by venting excess pressure from over greasing. Sealmaster alignment pin helps prevent outer race rotation.

Collar Mount System

Two locking collars are standard on all units with two setscrews at 120° for balanced three point contact. Precision manufactured diamond faceted point setscrew design contributes to improved clamping and resistance to back out. Single locking collars are available where space limitations are present. Locking collars are black oxided.

Additional Configurations

Expansion Roller Bearing Pillow Blocks

Axial shaft expansion is compensated by a non-expansion (fixed) and expansion (float) arrangement. It is recommended to use both units on one shaft in high temperature applications to help account for linear shaft expansion.

ERCI Cylindrical Cartridge Inserts

Cylindrical cartridge insets (ERCI) are used in standard expansion ERPB housings or can be mounted into customer designed housings.

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Additional Configurations continued

DRPB Series
Interchangeable with most type DI mounting dimensions

DRPBA Series
Interchangeable with most Type K mounting dimensions

RPBXT Series
Interchangeable with four bolt SAF mounting dimensions in shaft sizes from 2 1/4" - 5" (60mm - 125mm).

SPB Series
This series incorporates all features of the standard RPB with cast steel housings in two and four bolt pillow blocks in shaft sizes from 1 1/2" - 5" (40mm - 125mm).

Air Handling
RPB-AH Series designed for HVAC applications. It incorporates all features of the standard RPB with a custom AH fit between the bearing cartridge OD and the bearing housing, which provides lower misalignment torque.
Available in the RPB, RFB & RFP and DRPB Series

RPB-MM Series
Incorporates all the features of the standard RPB but with metric bore sizes from 35-125mm and metric setscrews

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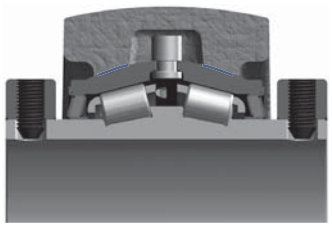
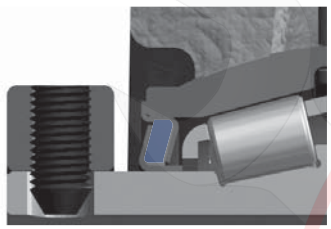
Options

- Custom housing configurations
- Custom lubricants, including synthetic and food grade greases and oil saturated polymers



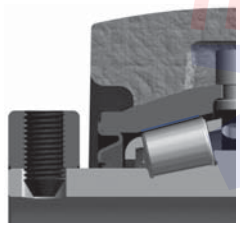
Tight Housing Fit “TF”

(TF suffix) for applications with vibration and rotating loads



High Temperature “N”

High temperature bearing with Nomex* seal and high temperature synthetic grease.



Reduced Bearing Internal Clearance “RC”

(RC suffix) for specific application requirements

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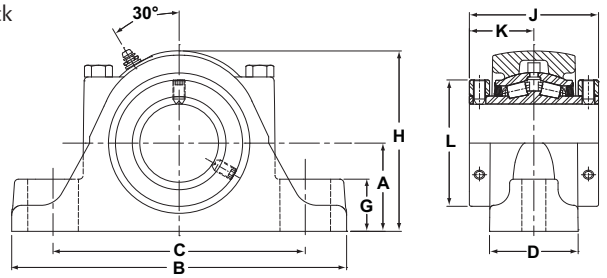
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Two Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



RPB Series Two-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.								
1 3/16		RPB-103-2	RCI-103	2975	1 1/2	6 1/4	4 9/16	4 15/16	1 7/8	7/8	3 1/8	2 3/4	1 3/8	2 1/4	1/2	4.8
1 1/4		RPB-104-2	RCI-104	13233	38.1	158.8	115.9	125.4	47.6	22.2	79.4	69.9	34.9	57.2		2.18
1 3/8		RPB-106-2	RCI-106	4760	1 7/8	7 1/4	5 5/16	5 15/16	2 1/16	1 1/8	3 13/16	3	1 1/2	2 5/8	1/2	7.7
	35	RPB-35MM-2	RCI-35MM	21174	47.6	184.2	134.9	150.8	52.4	28.6	96.8	76.2	76.2	66.7		3.5
1 7/16		RPB-107-2	RCI-107													
1 1/2		RPB-108-2	RCI-108	6140	2 1/8	7 3/4	5 9/16	6 7/16	2 5/16	1 1/4	4 3/8	3 3/8	1 11/16	2 7/8	1/2	10.9
	40	RPB-40MM-2	RCI-40MM	27312	54.0	196.9	141.3	163.5	58.7	31.8	111.1	85.7	42.9	73.0		4.94
1 5/8		RPB-110-2	RCI-110													
1 11/16		RPB-111-2	RCI-111													
1 3/4		RPB-112-2	RCI-112	8070	2 1/4	8 7/8	6 5/16	7 3/16	2 7/16	1 1/4	4 5/8	3 1/2	1 3/4	3 1/4	5/8	13.2
	45	RPB-45MM-2	RCI-45MM	35897	57.2	225.4	160.3	182.6	61.9	31.8	117.5	88.9	44.5	82.6		5.99
1 15/16		RPB-115-2	RCI-115													
	50	RPB-50MM-2	RCI-50MM													
2		RPB-200-2	RCI-200													
	55	RPB-55MM-2	RCI-55MM	8570	2 1/2	9 5/8	6 11/16	7 15/16	2 9/16	1 7/16	5 1/8	3 3/4	1 7/8	3 5/8	5/8	15.7
2 3/16		RPB-203-2	RCI-203	38121	63.5	244.5	169.9	201.6	65.1	36.5	130.2	95.3	47.6	92.1		7.12
2 1/4		RPB-204-2	RCI-204	9030	2 3/4	10 3/8	6 15/16	8 11/16	2 3/4	1 5/8	5 5/8	4	2	3 15/16	5/8	20.7
	60	RPB-60MM-2	RCI-60MM	40167	69.9	263.5	176.2	220.7	69.9	41.3	142.9	101.6	50.8	100.0		9.39
2 7/16		RPB-207-2	RCI-207													
2 1/2		RPB208-2	RCI-208													
	65	RPB-65MM-2	RCI-65MM													
2 11/16		RPB-211-2	RCI-211	9630	3 1/8	11 3/4	8 1/16	9 11/16	3	1 3/4	6 3/8	4 1/2	2 1/4	4 23/32	3/4	29.3
2 3/4		RPB-212-2	RCI-212	42836	79.4	298.5	204.8	246.1	76.2	44.5	161.9	114.3	57.2	119.9		13.29
	70	RPB-70MM-2	RCI-70MM													
2 15/16		RPB-215-2	RCI-215													
	75	RPB-75MM-2	RCI-75MM													
3		RPB-300-2	RCI-300													
	80	RPB-80MM-2	RCI-80MM	15320	3 3/4	13 3/4	10 1/8	11 1/4	4 1/8	2	7 3/4	5	2 1/2	5 7/16	7/8	56.0
3 3/16		RPB-303-2	RCI-303	65147	95.3	349.3	257.2	285.8	104.8	52.4	196.9	127.0	63.5	138.1		25.40
3 1/4		RPB-304-2	RCI-304													
	85	RPB-85MM-2	RCI-85MM													
3 7/16		RPB-307-2	RCI-307													
3 1/2		RPB-308-2	RCI-308													
	90	RPB-90MM-2	RCI-90MM													
	95	RPB-95MM-2	RCI-95MM													

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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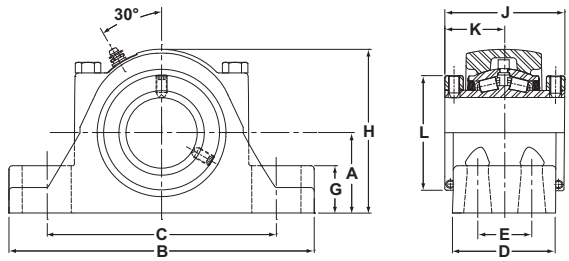
Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



RPB Series Four-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.									
2 1/4		RPB-204-4	RCI-204														
	60	RPB-60MM-4	RCI-60MM														
2 7/16		RPB-207-4	RCI-207	9030 40167	2 3/4 69.9	10 3/8 263.5	7 3/4 196.9	8 3/4 222.3	3 1/2 88.9	1 7/8 47.6	1 5/8 41.3	5 5/8 142.9	4 101.6	2 50.8	3 15/16 100.0	5/8	22.4 10.16
2 1/2		RPB-208-4	RCI-208														
	65	RPB-65MM-4	RCI-65MM														
2 11/16		RPB-211-4	RCI-211														
2 3/4		RPB-212-4	RCI-212														
	70	RPB-70MM-4	RCI-70MM	9630 42836	3 1/8 79.4	11 3/4 298.5	8 3/4 222.3	10 254.0	3 3/4 95.3	2 1/8 54.0	1 3/4 44.5	6 3/8 161.9	4 1/2 114.3	2 1/4 57.2	4 23/32 119.9	5/8	31.5 14.29
2 15/16		RPB-215-4	RCI-215														
	75	RPB-75MM-4	RCI-75MM														
3		RPB-300-4	RCI-300														
	80	RPB-80MM-4	RCI-80MM														
3 3/16		RPB-303-4	RCI-303														
3 1/4		RPB-304-4	RPB-304														
	85	RPB-85MM-4	RCI-85MM	15320 68147	3 3/4 95.3	13 3/4 349.3	10 9/16 268.3	11 1/2 292.1	4 1/2 114.3	2 3/8 60.3	2 1/16 52.4	7 3/4 196.9	5 127.0	2 1/2 63.5	5 7/16 138.1	3/4	59.6 27.03
3 7/16		RPB-307-4	RCI-307														
3 1/2		RPB-308-4	RCI-308														
	90	RPB-90MM-4	RCI-90MM														
	95	RPB-95MM-4	RCI-95MM														
3 15/16		RPB-315-4	RCI-315														
	100	RPB-100MM-4	RCI-100MM	20980 93324	4 1/4 108.0	15 1/4 387.4	11 279.4	13 330.2	4 1/2 114.3	2 1/4 57.2	2 7/16 61.9	8 5/8 219.1	6 1/4 158.8	3 1/8 79.4	5 15/16 150.8	3/4	76.9 34.88
4		RPB-400-4	RCI-400														
	105	RPB-105MM-4	RCI-105MM														
	110	RPB-110MM-4	RCI-110MM														
4 7/16		RPB-407-4	RCI-407	25750 114542	4 3/4 120.7	16 1/2 419.1	11 3/4 298.5	13 7/8 352.4	4 5/8 117.5	2 1/2 63.5	2 3/4 69.9	9 5/8 244.5	6 3/4 171.5	3 3/8 85.7	6 13/32 162.7	3/4	95.6 43.36
4 1/2		RPB-408-4	RCI-408														
	115	RPB-115MM-4	RCI-115MM														
	120	RPB-120MM-4	RCI-120MM														
	125	RPB-125MM-4	RCI-125MM	35520 158001	5 1/2 139.7	18 1/2 469.9	13 1/2 342.9	15 7/8 403.2	5 1/8 130.2	2 3/4 69.9	3 1/8 79.4	11 279.4	7 1/4 184.2	3 5/8 92.1	7 13/32 188.1	7/8	143.6 65.14
4 15/16		RPB-415-4	RCI-415														
5		RPB-500-4	RCI-500														

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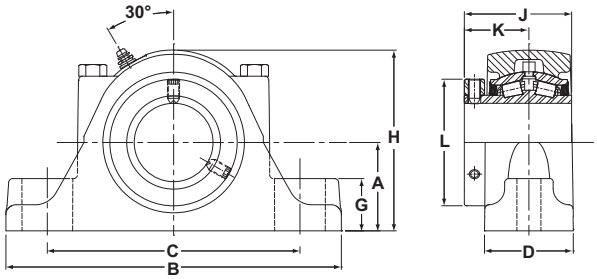
SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Two Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



RPBA Series Two-Bolt Base Pillow Blocks - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.								
1 3/16		RPBA-103-2	RCIA-103	2975	1 1/2	6 1/4	4 9/16	4 15/16	1 7/8	7/8	3 1/8	2 3/8	1 3/8	2 1/4	1/2	4.8
1 1/4		RPBA-104-2	RCIA-104	13233	38.1	158.8	115.9	125.4	47.6	22.2	79.4	60.3	34.9	57.2		2.18
1 3/8		RPBA-106-2	RCIA-106	4760	1 7/8	7 1/4	5 5/16	5 15/16	2 1/16	1 1/8	3 13/16	2 17/32	1 1/2	2 5/8	1/2	7.7
	35	RPBA-35MM-2	RCI-35MM	21174	47.6	184.2	134.9	150.8	52.4	28.6	96.8	64.3	38.1	66.7		3.49
1 7/16		RPBA-107-2	RCIA-107													
1 1/2		RPBA-108-2	RCIA-108													
	40	RPBA-40MM-2	RCI-40MM	6140	2 1/8	7 3/4	5 9/16	6 7/16	2 5/16	1 1/4	4 3/8	2 27/32	1 11/16	2 7/8	1/2	10.9
1 5/8		RPBA-110-2	RCIA-110	27312	54.0	196.9	141.3	163.5	58.7	31.8	111.1	72.2	42.9	73.0		4.94
1 11/16		RPBA-111-2	RCIA-111													
1 3/4		RPBA-112-2	RCIA-112													
	45	RPBA-45MM-2	RCI-45MM	8070	2 1/4	8 7/8	6 5/16	7 3/16	2 7/16	1 1/4	4 5/8	2 61/64	1 3/4	3 1/4	5/8	13.2
1 15/16		RPBA-115-2	RCIA-115	35897	57.2	225.4	160.3	182.6	61.9	31.8	117.5	75.0	44.5	82.6		5.99
	50	RPBA-50MM-2	RCI-50MM													
2		RPBA-200-2	RCIA-200													
	55	RPBA-55MM-2	RCI-55MM	8570	2 1/2	9 5/8	6 11/16	7 15/16	2 9/16	1 7/16	5 1/8	3 1/8	1 7/8	3 5/8	5/8	15.7
2 3/16		RPBA-203-2	RCIA-203	38121	63.5	244.5	169.9	201.6	65.1	36.5	130.2	79.4	47.6	92.1		7.12
2 1/4		RPBA-204-2	RCIA-204													
	60	RPBA-60MM-2	RCI-60MM	9030	2 3/4	10 3/8	6 15/16	8 11/16	2 3/4	1 5/8	5 5/8	3 5/16	2	3 15/16	5/8	20.7
2 7/16		RPBA-207-2	RCIA-207	40167	69.9	263.5	176.2	220.7	69.9	41.3	142.9	84.1	50.8	100.0		9.39
2 1/2		RPBA-208-2	RCIA-208													
	65	RPBA-65MM-2	RCI-65MM													
2 11/16		RPBA-211-2	RCIA-211													
2 3/4		RPBA-212-2	RCIA-212													
	70	RPBA-70MM-2	RCI-70MM	9630	3 1/8	11 3/4	8 1/16	9 11/16	3	1 3/4	6 3/8	3 11/16	2 1/4	4 23/32	3/4	29.3
2 15/16		RPBA-215-2	RCIA-215	42836	79.4	298.5	204.8	246.1	76.2	44.5	161.9	93.7	57.2	119.9		13.29
	75	RPBA-75MM-2	RCI-75MM													
3		RPBA-300-2	RCIA-300													
	80	RPBA-80MM-2	RCI-80MM													
3 3/16		RPBA-303-2	RCIA-303													
3 1/4		RPBA-304-2	RCIA-304													
	85	RPBA-85MM-2	RCI-85MM	15320	3 3/4	13 3/4	10 1/8	11 1/4	4 1/8	2	7 3/4	4 3/16	2 1/2	5 7/16	7/8	56
3 7/16		RPBA-307-2	RCIA-307	68147	95.3	349.3	257.2	285.8	104.8	50.8	196.9	106.4	63.5	138.1		25.40
3 1/2		RPBA-308-2	RCIA-308													
	90	RPBA-90MM-2	RCI-90MM													
	95	RPBA-95MM-2	RCI-95MM													

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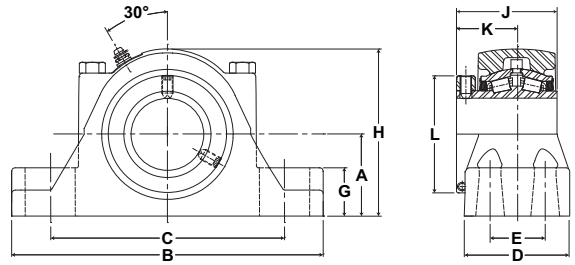
SUMINISTROS INDUSTRIALES DÍAZ

Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



RPBA Series Four-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm												Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.									
2 1/4		RPBA-204-4	RCIA-204														
	60	RPBA-60MM-4	RCI-60MM														
2 7/16		RPBA-207-4	RCIA-207	9030 40167	2 3/4 69.9	10 3/8 263.5	7 3/4 196.9	8 3/4 222.3	3 1/2 88.9	1 7/8 47.6	1 5/8 41.3	5 5/8 142.9	3 5/16 84.1	2 50.8	3 15/16 100.0	5/8	22.4 10.16
2 1/2		RPBA-208-4	RCIA-208														
	65	RPBA-65MM-4	RCI-65MM														
2 11/16		RPBA-211-4	RCIA-211														
2 3/4		RPBA-212-4	RCIA-212														
	70	RPBA-70MM-4	RCI-70MM	9630 42836	3 1/8 79.4	11 3/4 298.5	8 3/4 222.3	10 254.0	3 3/4 95.3	2 1/8 54.0	1 3/4 44.5	6 3/8 161.9	3 11/16 93.7	2 1/2 63.5	4 23/32 119.9	5/8	31.5 14.29
2 15/16		RPBA-215-4	RCIA-215														
	75	RPBA-75MM-4	RCI-75MM														
3		RPBA-300-4	RCIA-300														
	80	RPBA-80MM-4	RCI-80MM														
3 3/16		RPBA-303-4	RCIA-303														
3 1/4		RPBA-304-4	RCIA-304														
	85	RPBA-85MM-4	RCI-85MM	15320 68147	3 3/4 95.3	13 3/4 349.3	10 9/16 268.3	11 1/2 292.1	4 1/2 114.3	2 3/8 60.3	2 1/16 52.4	7 3/4 196.9	4 3/16 106.4	2 1/2 63.5	5 7/16 138.1	3/4	59.8 27.12
3 7/16		RPBA-307-4	RCIA-307														
3 1/2		RPBA-308-4	RCIA-308														
	90	RPBA-90MM-4	RCI-90MM														
	95	RPBA-95MM-4	RCI-95MM														
3 15/16		RPBA-315-4	RCIA-315														
	100	RPBA-100MM-4	RCI-100MM	20980 93324	4 1/4 108.0	15 1/4 387.4	11 279.4	13 330.2	4 1/2 114.3	2 1/4 57.2	2 7/16 61.9	8 5/8 219.1	5 1/4 133.4	3 1/8 79.4	5 15/16 150.8	3/4	76.9 34.88
4		RPBA-400-4	RCIA-400														
	105	RPBA-105MM-4	RCI-105MM														
	110	RPBA-110MM-4	RCI-110MM														
4 7/16		RPBA-407-4	RCIA-407	25750 114542	4 3/4 120.7	16 1/2 419.1	11 3/4 298.5	13 7/8 352.4	4 5/8 117.5	2 1/2 63.5	2 7/8 73.0	9 5/8 244.5	5 1/2 139.7	3 3/8 85.7	6 13/32 162.7	3/4	95.6 43.36
4 1/2		RPBA-408-4	RCIA-408														
	115	RPBA-115MM-4	RCI-115MM														
	120	RPBA-120MM-4	RCI-120MM														
	125	RPBA-125MM-4	RCI-125MM	35520 158001	5 1/2 139.7	18 1/2 469.9	13 1/2 342.9	15 7/8 403.2	5 1/8 130.2	2 3/4 69.9	3 1/8 79.4	11 279.4	6 13/64 157.6	3 5/8 92.1	7 13/32 188.1	7/8	143.6 65.14
4 15/16		RPBA-415-4	RCIA-415														
5		RPBA-500-4	RCIA-500														

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SUMINISTROS INDUSTRIALES DÍAZ

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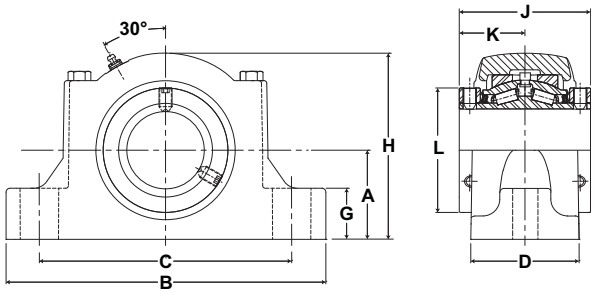
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



ERPB Expansion Series Two-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.									
1 3/4		ERPB-112-2	ERCI-112														
	45	ERPB-45MM-2	ERCI-45MM														
1 15/16		ERPB-115-2	ERCI-115	8070	2 1/4	8 7/8	6 5/16	7 3/16	2 57/64	1 1/4	4 7/8	3 1/2	1 3/4	3 1/4	5/8	3/16	14.9
	50	ERPB-50MM-2	ERCI-50MM	35897	57.2	225.4	160.3	182.6	73.4	31.8	123.8	88.9	44.5	82.6		4.8	6.76
2		ERPB-200-2	ERCI-200														
	55	ERPB-55MM-2	ERCI-55MM	8570	2 1/2	9 5/8	6 11/16	7 15/16	3 1/32	1 7/16	5 5/16	3 3/4	1 7/8	3 5/8	5/8	3/16	17.8
2 3/16		ERPB-203-2	ERCI-203	38121	63.5	244.5	169.9	201.6	77.0	36.5	134.9	95.3	47.6	92.1		4.8	8.07
2 1/4		ERPB-204-2	ERCI-204														
	60	ERPB-60MM-2	ERCI-60MM														
2 7/16		ERPB-207-2	ERCI-207	9030	2 3/4	10 3/8	6 15/16	8 11/16	3 13/32	1 5/8	5 3/4	4	2	3 15/16	5/8	1/4	23.0
2 1/2		ERPB-208-2	ERCI-208	40167	69.9	263.5	176.2	220.7	86.5	41.3	146.1	101.6	50.8	100.0		6.4	10.43
	65	ERPB-65MM-2	ERCI-65MM														
2 11/16		ERPB-211-2	ERCI-211														
2 3/4		ERPB-212-2	ERCI-212														
	70	ERPB-70MM-2	ERCI-70MM	9630	3 1/8	11 3/4	8 1/16	9 11/16	3 31/64	1 3/4	6 9/16	4 33/64	2 1/4	4 23/32	3/4	5/16	32.0
2 15/16		ERPB-215-2	ERCI-215	42836	79.4	298.5	204.8	246.1	88.5	44.5	166.7	114.7	57.3	119.9		7.9	14.51
	75	ERPB-75MM-2	ERCI-75MM														
3		ERPB-300-2	ERCI-300														
	80	ERPB-80MM-2	ERCI-80MM														
3 3/16		ERPB-303-2	ERCI-303														
3 1/4		ERPB-304-2	ERCI-304														
	85	ERPB-85MM-2	ERCI-85MM	15320	3 3/4	13 3/4	10 1/8	11 1/4	4 33/64	2 1/16	7 15/16	5	2 1/2	5 7/16	7/8	5/16	64.0
3 7/16		ERPB-307-2	ERCI-307	68147	95.3	349.3	257.2	285.8	114.7	52.4	201.6	127.0	63.5	138.1		7.9	29.03
3 1/2		ERPB-308-2	ERCI-308														
	90	ERPB-90MM-2	ERCI-90MM														
	95	ERPB-95MM-2	ERCI-95MM														

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Seal: Felt
Optional Seal: Single Lip Contact
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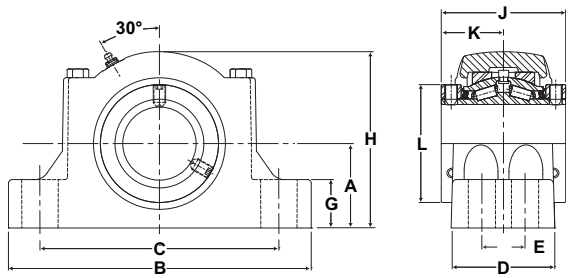

ERPB Expansion Series Four-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm												Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.										
3 15/16		ERPB-315-4	ERCI-315															
	100	ERPB-100MM-4	ERCI-100MM	20980	4 1/4	15 1/4	11	13	5 5/32	2 1/4	2 7/16	8 7/8	6 1/4	3 1/8	5 15/16	3/4	3/8	90.0
4		ERPB-400-4	ERCI-400	93324	108.0	387.4	279.4	330.2	131.0	57.2	61.9	225.4	158.8	79.4	150.8		9.5	40.82
	105	ERPB-105MM-4	ERCI-105MM															
	110	ERPB-110MM-4	ERCI-110MM															
4 7/16		ERPB-407-4	ERCI-407	25750	4 3/4	16 1/2	11 3/4	13 7/8	5 3/8	2 1/2	2 3/4	9 7/8	6 3/4	3 3/8	6 13/32	3/4	3/8	110.6
4 1/2		ERPB-408-4	ERCI-408	114542	120.7	419.1	298.5	352.4	136.5	63.5	69.9	250.8	171.5	85.7	162.7		9.5	50.2
	115	ERPB-115MM-4	ERCI-115MM															
	120	ERPB-120MM-4	ERCI-120MM															
	125	ERPB-125MM-4	ERCI-125MM	35520	5 1/2	18 1/2	13 1/2	15 7/8	6 5/64	2 3/4	3 1/8	11 5/16	7 1/4	3 5/8	7 13/32	7/8	3/8	161.0
4 15/16		ERPB-415-4	ERCI-415	158001	139.7	469.9	342.9	403.2	154.4	69.9	79.4	287.3	184.2	92.1	188.1		9.5	73.03
5		ERPB-500-4	ERCI-500															

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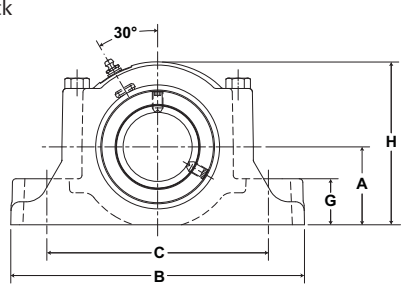
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Two Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



ERPBA Expansion Series Two-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.									
1 3/4		ERPBA-112-2	ERCIA-112														
	45	ERPBA-45MM-2	ERCI-45MM														
1 15/16		ERPBA-115-2	ERCIA-115	8070	2 1/4	8 7/8	6 5/16	7 3/16	2 57/64	1 1/4	4 7/8	2 61/64	1 13/64	3 1/4	5/8	3/16	14.9
				35897	57.2	225.4	160.3	182.6	73.4	31.8	123.8	75.0	30.6	82.6		4.8	6.76
	50	ERPBA-50MM-2	ERCI-50MM														
2		ERPBA-200-2	ERCIA-200														
	55	ERPBA-55MM-2	ERCI-55MM	8570	2 1/2	9 5/8	6 11/16	7 15/16	3 1/32	1 7/16	5 5/16	3 1/8	1 1/4	3 5/8	5/8	3/16	17.8
2 3/16		ERPBA-203-2	ERCIA-203	38121	63.5	244.5	169.9	201.6	77.0	36.5	134.9	79.4	31.8	92.1		4.8	8.07
2 1/4		ERPBA-204-2	ERCIA-204														
	60	ERPBA-60MM-2	ERCI-60MM														
2 7/16		ERPBA-207-2	ERCIA-207	9030	2 3/4	10 3/8	6 15/16	8 11/16	3 13/32	1 5/8	5 3/4	3 5/16	1 5/16	3 15/16	5/8	1/4	23.0
2 1/2		ERPBA-208-2	ERCIA-208	40167	69.9	263.5	176.2	220.7	86.5	41.3	146.1	84.1	33.3	100.0		6.4	10.43
	65	ERPBA-65MM-2	ERCI-65MM														
2 11/16		ERPBA-211-2	ERCIA-211														
2 3/4		ERPBA-212-2	ERCIA-212														
	70	ERPBA-70MM-2	ERCI-70MM	9630	3 1/8	11 3/4	8 1/16	9 11/16	3 31/64	1 3/4	6 9/16	3 11/16	1 7/16	4 23/32	3/4	5/16	32.0
2 15/16		ERPBA-215-2	ERCIA-215	42836	79.4	298.5	204.8	246.1	88.5	44.5	166.7	93.7	36.5	119.9		7.9	14.51
	75	ERPBA-75MM-2	ERCI-75MM														
3		ERPBA-300-2	ERCIA-300														
	80	ERPBA-80MM-2	ERCI-80MM														
3 3/16		ERPBA-303-2	ERCIA-303														
3 1/4		ERPBA-304-2	ERCIA-304														
	85	ERPBA-85MM-2	ERCI-85MM	15320	3 3/4	13 3/4	10 1/8	11 1/4	4 33/64	2 1/16	7 15/16	4 3/16	1 57/64	5 7/16	7/8	5/16	64.0
3 7/16		ERPBA-307-2	ERCIA-307	68147	95.3	349.3	257.2	285.8	114.7	52.4	201.6	106.4	48.0	138.1		7.9	29.03
3 1/2		ERPBA-308-2	ERCIA-308														
	90	ERPBA-90MM-2	ERCI-90MM														
	95	ERPBA-95MM-2	ERCI-95MM														

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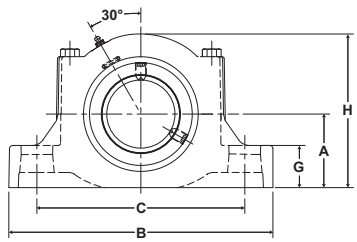
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



ERPBA Expansion Series Four-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm													Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.										
3 15/16		ERPBA-315-4	ERCIA-315															
	100	ERPBA-100MM-4	ERCI-100MM	20980	4 1/4	15 1/4	11	13	5 5/32	2 1/4	2 7/16	8 7/8	5 1/4	2 1/8	5 15/16	3/4	3/8	90.0
4		ERPBA-400-4	ERCIA-400	93324	108.0	387.4	279.4	330.2	131.0	57.2	61.9	225.4	133.4	54.0	150.8		9.5	40.82
	105	ERPBA-105MM-4	ERCI-105MM															
	110	ERPBA-110MM-4	ERCI-110MM															
4 7/16		ERPBA-407-4	ERCIA-407	25750	4 3/4	16 1/2	11 3/4	13 7/8	5 3/8	2 1/2	2 3/4	9 7/8	5 1/2	3 3/8	6 13/32	3/4	3/8	110.6
4 1/2		ERPBA-408-4	ERCIA-408	114542	120.7	419.1	298.5	352.4	136.5	63.5	69.9	250.8	139.7	85.7	162.7		9.5	50.2
	115	ERPBA-115MM-4	ERCI-115MM															
	120	ERPBA-120MM-4	ERCI-120MM															
	125	ERPBA-125MM-4	ERCI-125MM	35520	5 1/2	18 1/2	13 1/2	15 7/8	6 5/64	2 3/4	3 1/8	11 5/16	6 13/64	2 37/64	7 13/32	7/8	3/8	161.0
4 15/16		ERPBA-415-4	ERCIA-415	158001	139.7	469.9	342.9	403.2	154.4	69.9	79.4	287.3	157.6	90.9	188.1		9.5	73.03
5		ERPBA-500-4	ERCIA-500															

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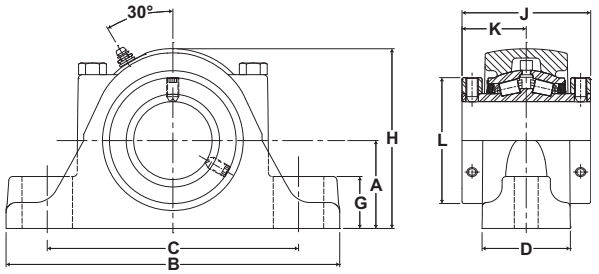
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



DRPB Series Two-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.								
1 3/4		DRPB-112-2	RCI-112													
	45	DRPB-45MM-2	RCI-45MM													
1 15/16		DRPB-115-2	RCI-115	8070	2 7/8	10	6 3/4	8 1/2	2 9/16	1 1/2	5 1/4	3 1/2	1 3/4	3 1/4	5/8	17.5
	50	DRPB-50MM-2	RCI-50MM	35897	73.0	254.0	171.5	215.9	65.1	38.1	133.4	88.9	44.5	82.6		7.94
2		DRPB-200-2	RCI-200													
	55	DRPB-55MM-2	RCI-55MM	8570	3	11	7 3/4	9 1/4	2 9/16	1 9/16	5 5/8	3 3/4	1 7/8	3 5/8	5/8	19.7
2 3/16		DRPB-203-2	RCI-203	38121	76.2	279.4	196.9	235.0	65.1	39.7	142.9	95.3	47.6	92.1		8.94
2 1/4		DRPB-204-2	RCI-204													
	60	DRPB-60MM-2	RCI-60MM													
2 7/16		DRPB-207-2	RCI-207	9030	3 1/4	12	8 1/2	10 3/8	2 7/8	1 3/4	6 1/8	4	2	3 15/16	5/8	25.5
2 1/2		DRPB-208-2	RCI-208	40167	82.6	304.8	215.9	263.5	73.0	44.5	155.6	101.6	50.8	100.0		11.57
	65	DRPB-65MM-2	RCI-65MM													
2 11/16		DRPB-211-2	RCI-211													
2 3/4		DRPB-212-2	RCI-212													
	70	DRPB-70MM-2	RCI-70MM	9630	3 3/4	13 1/2	9 5/16	11 9/16	3 1/8	2	7	4 1/2	2 1/4	4 23/32	3/4	35.2
2 15/16		DRPB-215-2	RCI-215	42836	95.3	342.9	236.5	293.7	79.4	50.8	177.8	114.3	57.2	119.9		15.97
	75	DRPB-75MM-2	RCI-75MM													
3		DRPB-300-2	RCI-300													
	80	DRPB-80MM-2	RCI-80MM													
3 3/16		DRPB-303-2	RCI-303													
3 1/4		DRPB-304-2	RCI-304													
	85	DRPB-85MM-2	RCI-85MM	15320	4 1/2	16	10 7/8	13 7/8	4 3/8	2 1/4	8 1/2	5	2 1/2	5 7/16	7/8	67.8
3 7/16		DRPB-307-2	RCI-307	68147	114.3	406.4	276.2	352.4	111.1	57.2	215.9	127.0	63.5	138.1		30.75
3 1/2		DRPB-308-2	RCI-308													
	90	DRPB-90MM-2	RCI-90MM													
	95	DRPB-95MM-2	RCI-95MM													

Metric dimensions for reference only.
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Rolling Elements: Tapered Roller

Housing: Cast Iron Four Bolt Pillow Block

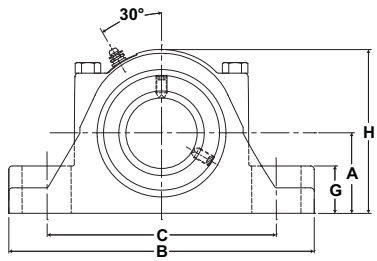
Self Alignment: +/- 3 Degrees

Lock: Setscrew, Double Collar

Seal: Felt

Optional Seal: Single Lip Contact

Temperature: -20°F to 220°F



DRPB Series Four-Bolt Base Pillow Blocks

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm												Unit Wt. lb/kg
inch	mm				A	B	C Min.	C Max.	D	E	G	H	J	K	L	Bolt Size	
3 15/16		DRPB-315-4	RCI-315														
	100	DRPB-100MM-4	RCI-100MM	20980	5	17 1/2	12	15	4 43/64	2	2 3/4	9 3/8	6 1/4	3 1/8	5 15/16	3/4	93.0
4		DRPB-400-4	RCI-400	93324	127.0	444.5	304.8	381.0	118.7	50.8	69.9	238.1	158.8	79.4	150.8		42.18
	105	DRPB-105MM-4	RCI-105MM														

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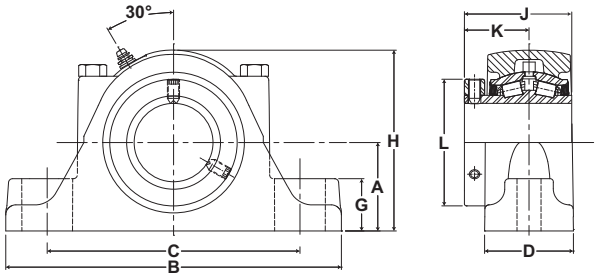
SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Two Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



DRPBA Series Two-Bolt Base Pillow Blocks - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.								
1 3/4		DRPBA-112-2	RCIA-112													
	45	DRPBA-45MM-2	RCI-45MM													
1 15/16		DRPBA-115-2	RCIA-115	8070	2 7/8	10	6 3/4	8 1/2	2 9/16	1 1/2	5 1/4	2 61/64	1 3/4	3 1/4	5/8	17.5
	50	DRPBA-50MM-2	RCI-50MM	35897	73.0	254.0	171.5	215.9	65.1	38.1	133.4	75.0	44.5	82.6		7.94
2		DRPBA-200-2	RCIA-200													
	55	DRPBA-55MM-2	RCI-55MM	8570	3	11	7 3/4	9 1/4	2 9/16	1 9/16	5 5/8	3 1/8	1 7/8	3 5/8	5/8	19.7
2 3/16		DRPBA-203-2	RCIA-203	38121	76.2	279.4	196.9	235.0	65.1	39.7	142.9	79.4	47.6	92.1		8.94
2 1/4		DRPBA-204-2	RCIA-204													
	60	DRPBA-60MM-2	RCI-60MM													
2 7/16		DRPBA-207-2	RCIA-207	9030	3 1/4	12	8 1/2	10 3/8	2 7/8	1 3/4	6 1/8	3 5/16	2	3 15/16	5/8	25.5
2 1/2		DRPBA-208-2	RCIA-208	40167	82.6	304.8	215.9	263.5	73.0	44.5	155.6	84.1	50.8	100.0		11.57
	65	DRPBA-65MM-2	RCI-65MM													
2 11/16		DRPBA-211-2	RCIA-211													
2 3/4		DRPBA-212-2	RCIA-212													
	70	DRPBA-70MM-2	RCI-70MM	9630	3 3/4	13 1/2	9 5/16	11 9/16	3 1/8	2	7	3 11/16	2 1/4	4 23/32	3/4	35.2
2 15/16		DRPBA-215-2	RCIA-215	42836	95.3	342.9	236.5	293.7	79.4	50.8	177.8	93.7	57.2	119.9		15.97
	75	DRPBA-75MM-2	RCI-75MM													
3		DRPBA-300-2	RCIA-300													
	80	DRPBA-80MM-2	RCI-80MM													
3 3/16		DRPBA-303-2	RCIA-303													
3 1/4		DRPBA-304-2	RCIA-304													
	85	DRPBA-85MM-2	RCI-85MM	15320	4 1/2	16	10 7/8	13 7/8	4 3/8	2 1/4	8 1/2	4 3/16	2 1/2	5 7/16	7/8	67.8
3 7/16		DRPBA-307-2	RCIA-307	68147	114.3	406.4	276.2	352.4	111.1	57.2	215.9	106.4	63.5	138.1		30.75
3 1/2		DRPBA-308-2	RCIA-308													
	90	DRPBA-90MM-2	RCI-90MM													
	95	DRPBA-95MM-2	RCI-95MM													

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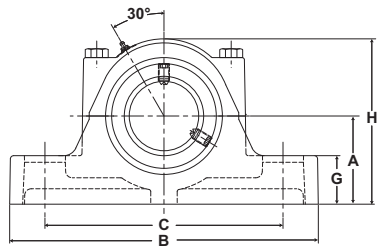
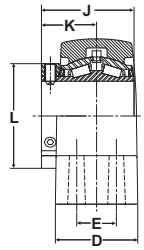
Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F





DRPBA Series Four-Bolt Base Pillow Blocks - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.									
3 15/16		DRPBA-315-4	RCIA-315														
	100	DRPBA-100MM-4	RCI-100MM	20980	5	17 1/2	12	15	4 43/64	2	2 3/4	9 3/8	5 1/4	3 1/8	5 15/16	3/4	93.0
4		DRPBA-400-4	RCIA-400	93324	127.0	444.5	304.8	381.0	118.7	50.8	69.9	238.1	133.4	79.4	150.8		42.2
	105	DRPBA-105MM-4	RCI-105MM														

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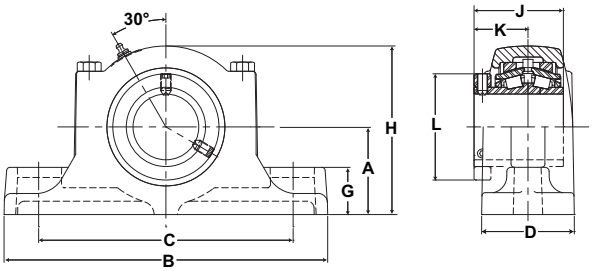
SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Two Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



EDPBA Expansion Series Two-Bolt Base Pillow Blocks - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.									
1 3/4		EDPBA-112-2	ERCIA-112														
	45	EDPBA-45MM-2	ERCI-45MM														
1 15/16		EDPBA-115-2	ERCIA-115	8070	2 7/8	10	6 3/4	8 1/2	2 29/32	1 1/2	5 1/2	2 61/64	1 3/4	3 1/4	5/8	3/16	19.2
				35897	73.0	254.0	171.5	215.9	73.8	38.1	139.7	75.0	44.5	82.6		4.8	8.72
	50	EDPBA-50MM-2	ERCI-50MM														
2		EDPBA-200-2	ERCIA-200														
	55	EDPBA-55MM-2	ERCI-55MM	8570	3	11	7 3/4	9 1/4	3 1/32	1 9/16	5 13/16	3 1/8	1 7/8	3 5/8	5/8	3/16	21.8
2 3/16		EDPBA-203-2	ERCIA-203	38121	76.2	279.4	196.9	235.0	77.0	39.7	147.6	79.4	47.6	92.1		4.8	9.89
2 1/4		EDPBA-204-2	ERCIA-204														
	60	EDPBA-60MM-2	ERCI-60MM														
2 7/16		EDPBA-207-2	ERCIA-207	9030	3 1/4	12	8 1/2	10 3/8	3 7/16	1 3/4	6 1/4	3 5/16	2	3 15/16	5/8	1/4	27.8
2 1/2		EDPBA-208-2	ERCIA-208	40167	82.6	304.8	215.9	263.5	87.3	44.5	158.8	84.1	50.8	100.0		6.4	12.61
	65	EDPBA-65MM-2	ERCI-65MM														
2 11/16		EDPBA-211-2	ERCIA-211														
2 3/4		EDPBA-212-2	ERCIA-212														
	70	EDPBA-70MM-2	ERCI-70MM	9630	3 3/4	13 1/2	9 5/16	11 9/16	3 1/2	2	7 3/16	3 11/16	2 1/4	4 23/32	3/4	5/16	38.0
2 15/16		EDPBA-215-2	ERCIA-215	42836	95.3	342.9	236.5	293.7	88.9	50.8	182.6	93.7	57.2	119.9		7.9	17.24
	75	EDPBA-75MM-2	ERCI-75MM														
3		EDPBA-300-2	ERCIA-300														
	80	EDPBA-80MM-2	ERCI-80MM														
3 3/16		EDPBA-303-2	ERCIA-303														
3 1/4		EDPBA-304-2	ERCIA-304														
	85	EDPBA-85MM-2	ERCI-85MM	15320	4 1/2	16	10 7/8	13 7/8	4 1/2	2 1/4	8 11/16	4 3/16	2 1/2	5 7/16	7/8	5/16	75.8
3 7/16		EDPBA-307-2	ERCIA-307	68147	114.3	406.4	276.2	352.4	114.3	57.2	220.7	106.4	63.5	138.1		7.9	34.38
3 1/2		EDPBA-308-2	ERCIA-308														
	90	EDPBA-90MM-2	ERCI-90MM														
	95	EDPBA-95MM-2	ERCI-95MM														

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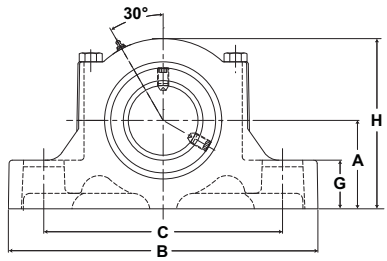
Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



EDPBA Expansion Series Four-Bolt Base Pillow Blocks - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm													Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.										
3 15/16		EDPBA-315-4	ERCIA-315															
	100	EDPBA-100MM-4	ERCI-100MM	20980	5	17 1/2	12	15	5 3/16	2	2 3/4	9 5/8	5 1/4	3 3/25	5 15/16	3/4	3/8	106.0
4		EDPBA-400-4	ERCIA-400	93321	127.0	444.5	304.8	381.0	131.8	50.8	69.9	244.5	133.4	79.2	150.8		9.84	48.08
	105	EDPBA-105MM-4	ERCI-105MM															

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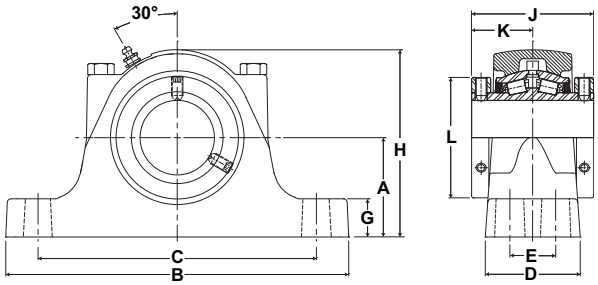
SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



RPBXT Series Four-Bolt Base Pillow Blocks - SAF Mounting Dimensions

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.									
2 1/4		RPBXT-204-4	RCI-204														
	60	RPBXT-60MM-4	RCI-60MM														
2 7/16		RPBXT-207-4	RCI-207	9030 40167	3 1/4 82.6	11 1/4 285.8	8 5/8 219.1	9 5/8 244.5	3 1/8 79.4	1 7/8 47.6	1 1/4 31.8	6 1/8 155.6	4 101.6	2 50.8	3 15/16 100.0	1/2	25.5 11.57
2 1/2		RPBXT-208-4	RCI-208														
	65	RPBXT-65MM-4	RCI-65MM														
2 11/16		RPBXT-211-4	RCI-211														
2 3/4		RPBXT-212-4	RCI-212														
	70	RPBXT-70MM-4	RCI-70MM	9630 42836	3 3/4 95.3	13 330.2	10 254.0	11 279.4	3 1/2 88.9	2 1/8 54.0	1 1/2 38.1	7 177.8	4 1/2 114.3	2 1/4 57.2	4 23/32 119.9	5/8	36.2 16.42
2 15/16		RPBXT-215-4	RCI-215														
	75	RPBXT-75MM-4	RCI-75MM														
3		RPBXT-300-4	RCI-300														
	80	RPBXT-80MM-4	RCI-80MM														
3 3/16		RPBXT-303-4	RCI-303														
3 1/4		RPBXT-304-4	RCI-304														
	85	RPBXT-85MM-4	RCI-85MM	15320 68147	4 1/2 114.3	15 1/4 387.4	11 3/4 298.5	12 3/4 323.9	4 3/8 111.1	2 3/8 60.3	1 3/4 44.5	8 1/2 215.9	5 127.0	2 1/2 63.5	5 7/16 138.1	3/4	67.8 30.75
3 7/16		RPBXT-307-4	RCI-307														
3 1/2		RPBXT-308-4	RCI-308														
	90	RPBXT-90MM-4	RCI-90MM														
	95	RPBXT-95MM-4	RCI-95MM														
3 15/16		RPBXT-315-4	RCI-315														
	100	RPBXT-100MM-4	RCI-100MM	20980 93324	4 15/16 125.4	16 1/2 419.1	12 7/8 327.0	14 1/8 358.8	4 3/4 120.7	2 3/4 69.9	2 50.8	9 5/16 236.5	6 1/4 158.8	3 1/8 79.4	5 15/16 150.8	3/4	93 42.18
4		RPBXT-400-4	RCI-400														
	105	RPBXT-105MM-4	RCI-105MM														
	110	RPBXT-110MM-4	RCI-110MM														
4 7/16		RPBXT-407-4	RCI-407	25750 114542	6 152.4	18 3/8 466.7	14 1/2 368.3	16 406.4	5 1/4 133.4	3 1/4 82.6	2 1/2 63.5	10 7/8 276.2	6 3/4 171.5	3 3/8 85.7	6 13/32 162.7	7/8	114.7 52.03
4 1/2		RPBXT-408-4	RCI-408														
	115	RPBXT-115MM-4	RCI-115MM														
	120	RPBXT-120MM-4	RCI-120MM														
	125	RPBXT-125MM-4	RCI-125MM	35520 158001	6 152.4	20 1/8 511.2	15 5/8 396.9	17 3/8 441.3	6 152.4	3 3/8 85.7	2 1/2 63.5	11 1/2 292.1	7 1/4 184.2	3 5/8 92.1	7 13/32 188.1	1	172.4 78.20
4 15/16		RPBXT-415-4	RCI-415														
5		RPBXT-500-4	RCI-500														

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Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
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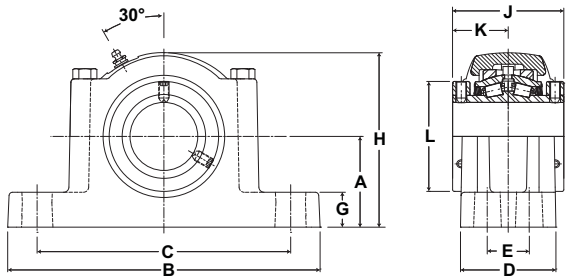
Temperature: -20°F to 220°F



ERPBXT Expansion Series Four-Bolt Base Pillow Blocks - SAF Mounting Dimensions

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm												Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	Total Expansion	
inch	mm						Min.	Max.										
2 1/4		ERPBXT-204-4	ERCI-204															
	60	ERPBXT-60MM-4	ERCI-60MM															
2 7/16		ERPBXT-207-4	ERCI-207	9030 40167	3 1/4 82.6	11 1/4 285.8	8 5/8 219.1	9 5/8 244.5	3 27/64 86.9	1 7/8 47.6	1 1/4 31.8	6 1/4 158.8	4 101.6	2 50.8	3 15/16 100.0	1/2	1/4 6.35	27.7 12.56
2 1/2		ERPBXT-208-4	ERCI-208															
	65	ERPBXT-65MM-4	ERCI-65MM															
2 11/16		ERPBXT-211-4	ERCI-211															
2 3/4		ERPBXT-212-4	ERCI-212															
	70	ERPBXT-70MM-4	ERCI-70MM	9630 42836	3 3/4 95.3	13 330.2	10 254.0	11 279.4	3 1/2 88.9	2 1/8 54.0	1 1/2 38.1	7 3/16 182.6	4 1/2 114.3	2 1/4 57.2	4 23/32 119.9	5/8	5/16 7.94	39.0 17.69
2 15/16		ERPBXT-215-4	ERCI-215															
	75	ERPBXT-75MM-4	ERCI-75MM															
3		ERPBXT-300-4	ERCI-300															
	80	ERPBXT-80MM-4	ERCI-80MM															
3 3/16		EPRBXT-303-4	ERCI-303															
3 1/4		ERPBXT-304-4	ERCI-304															
	85	ERPBXT-85MM-4	ERCI-85MM	15320 68147	4 1/2 114.3	15 1/4 387.4	11 3/4 298.5	12 3/4 323.9	4 1/2 114.3	2 3/8 60.3	1 3/4 44.5	8 11/16 220.7	5 127.0	2 1/2 63.5	5 7/16 138.1	3/4	5/16 7.94	75.3 34.16
3 7/16		ERPBXT-307-4	ERCI-307															
3 1/2		ERPBXT-308-4	ERCI-308															
	90	ERPBXT-90MM-4	ERCI-90MM															
	95	ERPBXT-95MM-4	ERCI-95MM															
3 15/16		ERPBXT-315-4	ERCI-315															
	100	ERPBXT-100MM-4	ERCI-100MM	20980 93324	4 15/16 125.4	16 1/2 419.1	12 7/8 327.0	14 1/8 358.8	5 3/16 131.8	2 3/4 69.9	2 50.8	9 9/16 242.9	6 1/4 158.8	3 1/8 79.4	5 15/16 150.8	3/4	3/8 9.84	106.0 48.08
4		ERPBXT-400-4	ERCI-400															
	105	ERPBXT-105MM-4	ERCI-105MM															
	110	ERPBXT-110MM-4	ERCI-110MM															
4 7/16		ERPBXT-407-4	ERCI-407	25750 114542	6 152.4	18 3/8 466.7	14 1/2 368.3	16 406.4	5 13/32 137.3	3 1/4 82.6	2 1/2 63.5	11 1/8 282.6	6 3/4 171.5	3 3/8 85.7	6 13/32 162.7	7/8	3/8 9.84	104.0 47.17
4 1/2		ERPBXT-408-4	ERCI-408															
	115	ERPBXT-115MM-4	ERCI-115MM															
	120	ERPBXT-120MM-4	ERCI-120MM															
	125	ERPBXT-125MM-4	ERCI-125MM	35520 158001	6 152.4	20 1/8 511.2	15 5/8 396.9	17 3/8 441.3	6 3/32 154.8	3 3/8 85.7	2 1/2 63.5	11 13/16 300.0	7 1/4 184.2	3 5/8 92.1	7 13/32 188.1	1	3/8 9.84	190.0 86.18
4 15/16		ERPBXT-415-4	ERCI-415															
5		ERPBXT-500-4	ERCI-500															

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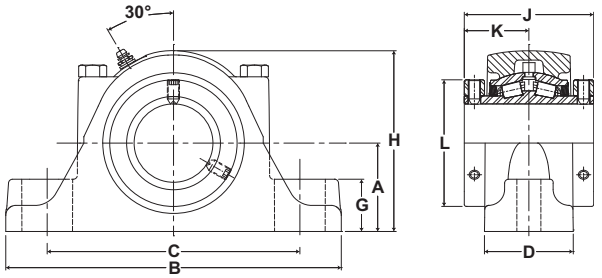
SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Steel Two Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



SPB Series Two-Bolt Base Pillow Blocks - Cast Steel Housing

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Unit Wt. lb/kg
					A	B	C		D	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.								
1 1/2		SPB-108-2	RCI-108													
	40	SPB-40MM-2	RCI-40MM	6140	2 1/8	7 3/4	5 9/16	6 7/16	2 5/16	1 1/4	4 3/8	3 3/8	1 11/16	2 7/8	1/2	12.0
1 5/8		SPB-110-2	RCI-110	27312	54.0	196.9	141.3	163.5	58.7	31.8	111.1	85.7	42.9	73.0		5.44
1 11/16		SPB-111-2	RCI-111													
1 3/4		SPB-112-2	RCI-112													
	45	SPB-45MM-2	RCI-45MM													
1 15/16		SPB-115-2	RCI-115	8070	2 1/4	8 7/8	6 5/16	7 3/16	2 7/16	1 1/4	4 5/8	3 1/2	1 3/4	3 1/4	5/8	14.5
	50	SPB-50MM-2	RCI-50MM	35897	57.2	225.4	160.3	182.6	61.9	31.8	117.5	88.9	44.5	82.6		6.58
2		SPB-200-2	RCI-200													
	55	SPB-55MM-2	RCI-55MM	8570	2 1/2	9 5/8	6 11/16	7 15/16	2 9/16	1 7/16	5 1/8	3 3/4	1 7/8	3 5/8	5/8	17.3
2 3/16		SPB-203-2	RCI-203	38121	63.5	244.5	169.9	201.6	65.1	36.5	130.2	95.3	47.6	92.1		7.85
2 1/4		SPB-204-2	RCI-204													
	60	SPB-60MM-2	RCI-60MM													
2 7/16		SPB-207-2	RCI-207	9030	2 3/4	10 3/8	6 15/16	8 11/16	2 3/4	1 5/8	5 5/8	4	2	3 15/16	5/8	22.8
2 1/2		SPB-208-2	RCI-208	40167	69.9	263.5	176.2	220.7	69.9	41.3	142.9	101.6	50.8	100.0		10.34
	65	SPB-65MM-2	RCI-65MM													
2 11/16		SPB-211-2	RCI-211													
2 3/4		SPB-212-2	RCI-212													
	70	SPB-70MM-2	RCI-70MM	9630	3 1/8	11 3/4	8 1/16	9 11/16	3	1 3/4	6 3/8	4 1/2	2 1/4	4 23/32	3/4	32.2
2 15/16		SPB-215-2	RCI-215	42836	79.4	298.5	204.8	246.1	76.2	44.5	161.9	114.3	57.2	119.9		14.61
	75	SPB-75MM-2	RCI-75MM													
3		SPB-300-2	RCI-300													
	80	SPB-80MM-2	RCI-80MM													
3 3/16		SPB-303-2	RCI-303													
3 1/4		SPB-304-2	RCI-304													
	85	SPB-85MM-2	RCI-85MM	15320	3 3/4	13 3/4	10 1/8	11 1/4	4 1/8	2 1/16	7 3/4	5	2 1/2	5 7/16	7/8	65.6
3 7/16		SPB-307-2	RCI-307	68147	95.3	349.3	257.2	285.8	104.8	52.4	196.9	127.0	63.5	138.1		29.76
3 1/2		SPB-308-2	RCI-308													
	90	SPB-90MM-2	RCI-90MM													
	95	SPB-95MM-2	RCI-95MM													

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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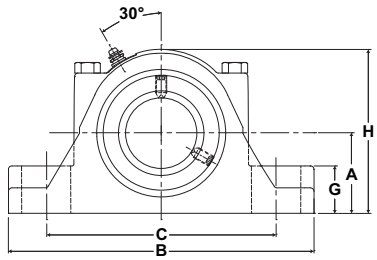
Rolling Elements: Tapered Roller
Housing: Cast Steel Four Bolt Pillow Block
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



SPB Series Four-Bolt Base Pillow Blocks - Cast Steel Housing

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
					A	B	C		D	E	G	H	J	K	L	Bolt Size	
inch	mm						Min.	Max.									
3 15/16		SPB-315-4	RCI-315														
	100	SPB-100MM-4	RCI-100MM	20980	4 1/4	15 1/4	11	13	4 1/2	2 1/4	2 7/16	8 5/8	6 1/4	3 1/8	5 15/16	3/4	84.6
4		SPB-400-4	RCI-400	93324	108.0	387.4	279.4	330.2	114.3	57.2	61.9	219.1	158.8	79.4	150.8		38.37
	105	SPB-105MM-4	RCI-105MM														
	110	SPB-110MM-4	RCI-110MM														
4 7/16		SPB-407-4	RCI-407	25750	4 3/4	16 1/2	11 3/4	13 7/8	4 5/8	2 1/4	2 3/4	9 5/8	6 3/4	3 3/8	6 13/32	3/4	105.2
4 1/2		SPB-408-4	RCI-408	114542	120.7	419.1	298.5	352.4	117.5	57.2	69.9	244.5	171.5	85.7	162.7		47.7
	115	SPB-115MM-4	RCI-115MM														
	120	SPB-120MM-4	RCI-120MM														
	125	SPB-125MM-4	RCI-125MM	35520	5 1/2	18 1/2	13 1/2	15 7/8	5 1/8	2 3/4	3 1/8	11	7 1/4	3 5/8	7 13/32	7/8	158.0
4 15/16		SPB-415-4	RCI-415	158001	139.7	469.9	342.9	403.2	130.2	69.9	79.4	279.4	184.2	92.1	188.1		71.67
5		SPB-500-4	RCI-500														

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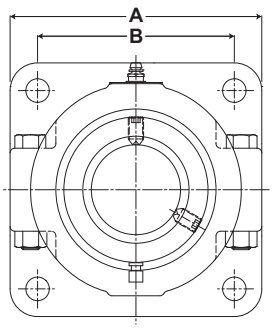
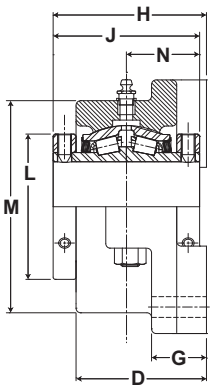
Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F





RFB Series Four-Bolt Flange Units

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
inch	mm				A	B	B.C.	D	G	H	J	L	M	N	Bolt Size	
1 3/16		RFB-103	RCI-103	2975	4	2 7/8	4 1/16	2 5/16	1	2 13/16	2 25/32	2 1/4	3 1/4	1 25/64	3/8	6.0
1 1/4		RFB-104	RCI-104	13233	101.6	73.0	103.2	58.7	25.4	71.4	70.6	57.2	82.6	35.3		2.72
1 3/8		RFB-106	RCI-106	4760	4 5/8	3 1/2	4 61/64	2 9/16	1	3 1/16	3	2 5/8	3 3/4	1 1/2	1/2	8.1
	35	RFB-35MM	RCI-35MM	21174	117.5	88.9	125.8	65.1	25.4	77.8	76.2	66.7	95.3	38.1		3.67
1 7/16		RFB-107	RCI-107													
1 1/2		RFB-108	RCI-108													
	40	RFB-40MM	RCI-40MM	6140	5 3/8	4 1/8	5 53/64	2 15/16	1 3/16	3 1/2	3 3/8	2 7/8	4 1/2	1 11/16	1/2	12.3
1 5/8		RFB-110	RCI-110	27312	136.5	104.8	148.0	74.6	30.2	88.9	85.7	73.0	114.3	42.9		5.58
1 11/16		RFB-111	RCI-111													
1 3/4		RFB-112	RCI-112													
	45	RFB-45MM	RCI-45MM	8070	5 5/8	4 3/8	6 3/16	3 1/16	1 3/16	3 5/8	3 1/2	3 1/4	4 3/4	1 3/4	1/2	14.5
1 15/16		RFB-115	RCI-115	35897	142.9	111.1	157.2	77.8	30.2	92.1	88.9	82.6	120.7	44.5		6.58
	50	RFB-50MM	RCI-50MM													
2		RFB-200	RCI-200													
	55	RFB-55MM	RCI-55MM	8570	6 1/4	4 7/8	6 57/64	3 1/4	1 3/8	3 7/8	3 3/4	3 5/8	5 1/4	1 7/8	5/8	19.0
2 3/16		RFB-203	RCI-203	38121	158.8	123.8	175.0	82.6	34.9	98.4	95.3	92.1	133.4	47.6		8.62
2 1/4		RFB-204	RCI-204													
	60	RFB-60MM	RCI-60MM	9030	6 7/8	5 3/8	7 39/64	3 9/16	1 1/2	4 3/16	4	3 15/16	5 3/4	2	5/8	24.0
2 7/16		RFB-207	RCI-207	40167	174.6	136.5	193.3	90.5	38.1	106.4	101.6	100.0	146.1	50.8		10.89
2 1/2		RFB-208	RCI-208													
	65	RFB-65MM	RCI-65MM													
2 11/16		RFB-211	RCI-211													
2 3/4		RFB-212	RCI-212													
	70	RFB-70MM	RCI-70MM	9630	7 3/4	6	8 31/64	3 15/16	1 5/8	4 11/16	4 1/2	4 23/32	6 1/2	2 1/4	3/4	33.4
2 15/16		RFB-215	RCI-215	42836	196.9	152.4	215.5	100.0	41.3	119.1	114.3	119.9	165.1	57.2		15.15
	75	RFB-75MM	RCI-75MM													
3		RFB-300	RCI-300													
	80	RFB-80MM	RCI-80MM													
3 3/16		RFB-303	RCI-303													
3 1/4		RFB-304	RCI-304													
	85	RFB-85MM	RCI-85MM	15320	9 1/4	7	9 29/32	4 1/2	1 7/8	5 1/4	5	5 7/16	8	2 1/2	3/4	57.4
3 7/16		RFB-307	RCI-307	68147	235.0	177.8	251.6	114.3	47.6	133.4	127.0	138.1	203.2	63.5		26.04
3 1/2		RFB-308	RCI-308													
	90	RFB-90MM	RCI-90MM													
	95	RFB-95MM	RCI-95MM													
3 15/16		RFB-315	RCI-315													
	100	RFB-100MM	RCI-100MM	20980	10 1/4	7 3/4	10 61/64	5 5/8	2 1/8	6 1/2	6 1/4	5 15/16	8 7/8	3 1/8	7/8	81.8
4		RFB-400	RCI-400	93324	260.4	196.9	278.2	142.9	54.0	165.1	158.8	150.8	225.4	79.4		37.10
	105	RFB-105MM	RCI-105MM													

Metric dimensions for reference only.
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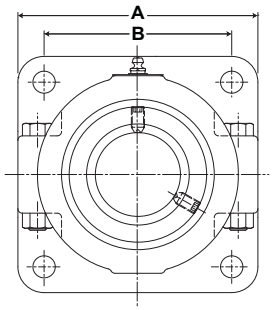
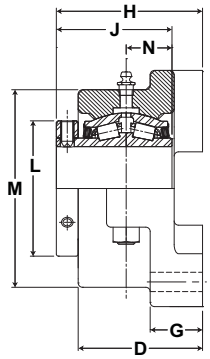
Rolling Elements: Tapered Roller
Housing: Cast Iron Four Bolt Flange
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F





RFBA Series Four-Bolt Flange Units - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm											Unit Wt. lb/kg
inch	mm				A	B	B.C.	D	G	H	J	L	M	N	Bolt Size	
1 3/16		RFBA-103	RCIA-103	2975	4	2 7/8	4 1/16	2 5/16	1	2 13/16	2 1/4	2 1/4	3 1/4	55/64	3/8	6.0
1 1/4		RFBA-104	RCIA-104	13233	101.6	73.0	103.2	58.7	25.4	71.4	57.2	57.2	82.6	21.8		2.72
1 3/8		RFBA-106	RCIA-106	4760	4 5/8	3 1/2	4 61/64	2 9/16	1	3 1/16	2 17/32	2 5/8	3 3/4	1 1/32	1/2	8.1
1 7/16		RFBA-107	RCIA-107	21174	117.5	88.9	125.8	65.1	25.4	77.8	64.3	66.7	95.3	26.2		3.67
1 1/2		RFBA-108	RCIA-108	6140	5 3/8	4 1/8	5 53/64	2 15/16	1 3/16	3 1/2	2 27/32	2 7/8	4 1/2	1 5/32	1/2	12.3
1 5/8		RFBA-110	RCIA-110	27312	136.5	104.8	148.0	74.6	30.2	88.9	72.2	73.0	114.3	29.4		5.58
1 11/16		RFBA-111	RCIA-111													
1 3/4		RFBA-112	RCIA-112													
	45	RFBA-45MM	RCI-45MM	8070	5 5/8	4 3/8	6 3/16	3 1/16	1 3/16	3 5/8	2 61/64	3 1/4	4 3/4	1 13/64	1/2	14.5
1 15/16		RFBA-115	RCIA-115	35897	142.9	111.1	157.2	77.8	30.2	92.1	75.0	82.6	120.7	30.6		6.58
	50	RFBA-50MM	RCI-50MM													
2		RFBA-200	RCIA-200													
	55	RFBA-55MM	RCI-55MM	8570	6 1/4	4 7/8	6 57/64	3 1/4	1 3/8	3 7/8	3 1/8	3 5/8	5 1/4	1 1/4	5/8	19.0
2 3/16		RFBA-203	RCIA-203	38121	158.8	123.8	175.0	82.6	34.9	98.4	79.4	92.1	133.4	31.8		8.62
2 1/4		RFBA-204	RCIA-204													
	60	RFBA-60MM	RCI-60MM	9030	6 7/8	5 3/8	7 39/64	3 9/16	1 1/2	4 3/16	3 5/16	3 15/16	5 3/4	1 5/16	5/8	24.0
2 7/16		RFBA-207	RCIA-207	40167	174.6	136.5	193.3	90.5	38.1	106.4	84.1	100.0	146.1	33.3		10.89
2 1/2		RFBA-208	RCIA-208													
	65	RFBA-65MM	RCI-65MM													
2 11/16		RFBA-211	RCIA-211													
2 3/4		RFBA-212	RCIA-212													
	70	RFBA-70MM	RCI-70MM	9630	7 3/4	6	8 31/64	3 15/16	1 5/8	4 11/16	3 11/16	4 23/32	6 1/2	1 7/16	3/4	33.4
2 15/16		RFBA-215	RCIA-215	42836	196.9	152.4	215.5	100.0	41.3	119.1	93.7	119.9	165.1	36.5		15.15
	75	RFBA-75MM	RCI-75MM													
3		RFBA-300	RCIA-300													
	80	RFBA-80MM	RCI-80MM													
3 3/16		RFBA-303	RCIA-303													
3 1/4		RFBA-304	RCIA-304													
	85	RFBA-85MM	RCI-85MM	15320	9 1/4	7	9 29/32	4 1/2	1 7/8	5 1/4	4 3/16	5 7/16	8	1 11/16	3/4	57.4
3 7/16		RFBA-307	RCIA-307	68147	235.0	177.8	251.6	114.3	47.6	133.4	106.4	138.1	203.2	42.9		26.04
3 1/2		RFBA-308	RCIA-308													
	90	RFBA-90MM	RCI-90MM													
	95	RFBA-95MM	RCI-95MM													
3 15/16		RFBA-315	RCIA-315													
	100	RFBA-100MM	RCI-100MM	20980	10 1/4	7 3/4	10 61/64	5 5/8	2 1/8	6 1/2	5 1/4	5 15/16	8 7/8	2 1/8	7/8	81.8
4		RFBA-400	RCIA-400	93324	260.4	196.9	278.2	142.9	54.0	165.1	133.4	150.8	225.4	54.0		37.10
	105	RFBA-105MM	RCI-105MM													

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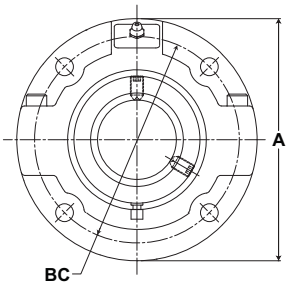
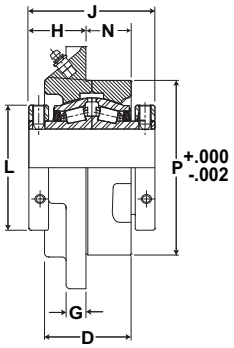
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cast Iron Piloted Flange
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F





RFP Series Piloted Flange Cartridge Units

Bore Diameter inch	Bore Diameter mm	Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm A	B.C.	D	G	H	J	L	N	P	Bolt Size	Unit Wt. lb/kg
1 3/16 1 1/4		RFP-103 RFP-104	RCI-103 RCI-104	2975 13233	5 127.0	4 1/8 104.8	1 3/4 44.5	7/16 11.1	1 5/16 33.3	2 3/4 69.9	2 1/4 57.2	7/8	3 3/8 85.7	3/8	5.5 2.49
1 3/8 1 7/16	35	RFP-106 RFP-35MM RFP-107	RCI-106 RCI-35MM RCI-107	4760 21174	5 1/4 133.4	4 3/8 111.1	2 50.8	1/2 12.7	1 1/2 38.1	3 76.2	2 5/8 66.7	15/16	3 5/8 92.1	3/8	6.8 3.08
1 1/2 1 5/8 1 11/16	40	RFP-108 RFP-40MM RFP-110 RFP-111	RCI-108 RCI-40MM RCI-110 RCI-111	6140 27312	6 1/8 155.6	5 1/8 130.2	2 1/4 57.2	1/2 12.7	1 9/16 39.7	3 3/8 85.7	2 7/8 73.0	1 1/8 28.6	4 1/4 108.0	7/16	10.1 4.58
1 3/4 1 15/16 2	45 50 	RFP-112 RFP-45MM RFP-115 RFP-50MM RFP-200	RCI-112 RCI-45MM RCI-115 RCI-50MM RCI-200	8070 35897	6 3/8 161.9	5 3/8 136.5	2 5/16 58.7	9/16 14.3	1 9/16 39.7	3 1/2 88.9	3 1/4 82.6	1 1/4 31.8	4 1/2 114.3	7/16	11.6 5.26
2 3/16	55	RFP-55MM RFP-203	RCI-55MM RCI-203	8570 38121	7 1/8 181.0	6 152.4	2 1/2 63.5	9/16 14.3	1 11/16 42.9	3 3/4 95.3	3 5/8 92.1	1 15/16 49.2	5 127.0	1/2	14.5 6.58
2 1/4 2 7/16 2 1/2	60 65	RFP-204 RFP-60MM RFP-207 RFP-208 RFP-65MM	RCI-204 RCI-60MM RCI-207 RCI-208 RCI-65MM	9030 40167	7 5/8 193.7	6 1/2 165.1	2 3/4 69.9	5/8 15.9	1 13/16 46.0	4 101.6	3 15/16 100.0	1 7/16 36.5	5 1/2 139.7	1/2	19 8.62
2 11/16 2 3/4 2 15/16 3	 70 75 	RFP-211 RFP-212 RFP-70MM RFP-215 RFP-75MM RFP-300	RCI-211 RCI-212 RCI-70MM RCI-215 RCI-75MM RCI-300	9630 42836	8 3/4 222.3	7 1/2 190.5	2 7/8 73.0	3/4 19.1	2 50.8	4 1/2 114.3	4 23/32 119.9	1 9/16 39.7	6 3/8 161.9	5/8	26.7 12.11
 3 3/16 3 1/4 3 7/16 3 1/2	80 85 90 95	RFP-80MM RFP-303 RFP-304 RFP-85MM RFP-307 RFP-308 RFP-90MM RFP-95MM	RCI-80MM RCI-303 RCI-304 RCI-85MM RCI-307 RCI-308 RCI-90MM RCI-95MM	15320 68147	10 1/4 260.4	8 5/8 219.1	3 3/8 85.7	7/8 22.2	2 7/16 61.9	5 127.0	5 7/16 138.1	1 5/8 41.3	7 3/8 187.3	3/4	42.6 19.32
3 15/16 4	100 105	RFP-315 RFP-100MM RFP-400 RFP-105MM	RCI-315 RCI-100MM RCI-400 RCI-105MM	20980 93324	10 7/8 276.2	9 3/8 238.1	4 3/8 111.1	15/16 23.8	2 11/16 68.3	6 1/4 158.8	5 15/16 150.8	2 7/16 61.9	8 1/8 206.4	3/4	55.2 25.04
4 7/16 4 1/2	110 115	RFP-110MM RFP-407 RFP-408 RFP-115MM	RCI-110MM RCI-407 RCI-408 RCI-115MM	25750 114542	13 1/2 342.9	11 3/4 298.5	4 5/8 117.5	1 25.4	3 1/32 77.0	6 3/4 171.5	6 13/32 162.7	2 3/8 60.3	10 1/4 260.4	3/4	91 41.28
4 15/16 5	120 125	RFP-120MM RFP-125MM RFP-415 RFP-500	RCI-120MM RCI-125MM RCI-415 RCI-500	35520 158001	14 3/4 374.7	12 3/4 323.9	5 3/8 136.5	1 1/4 31.8	2 31/32 75.4	7 1/4 184.2	7 13/32 188.1	2 7/8 73.0	11 279.4	7/8	115 52.16

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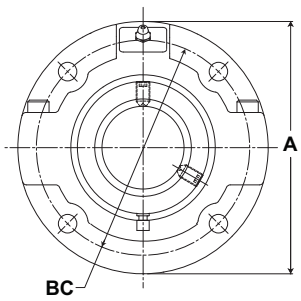
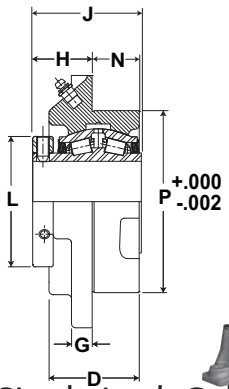
Rolling Elements: Tapered Roller
Housing: Cast Iron Piloted Flange
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F





RFPA Series Piloted Flange Cartridge Units - Single Lock Collar

Bore Diameter		Part No.	Bearing Insert No.	Basic Dynamic Rating lb/N	Dimensions inch / mm										Unit Wt. lb/kg
inch	mm				A	B.C.	D	G	H	J	L	N	P	Bolt Size	
1 3/16		RFPA-103	RCIA-103	2975	5	4 1/8	1 3/4	7/16	1 5/16	2 3/8	2 1/4	7/8	3 3/8	3/8	5.5
1 1/4		RFPA-104	RCIA-104	13233	127.0	104.8	44.5	11.1	33.3	60.3	57.2	22.2	85.7		2.49
1 3/8		RFPA-106	RCIA-106	4760	5 1/4	4 3/8	2	1/2	1 1/2	2 17/32	2 5/8	15/16	3 5/8	3/8	6.8
1 7/16		RFPA-107	RCIA-107	21174	133.4	111.1	50.8	12.7	38.1	64.3	66.7	23.8	92.1		3.08
1 1/2		RFPA-108	RCIA-108	6140	6 1/8	5 1/8	2 1/4	1/2	1 9/16	2 27/32	2 7/8	1 1/8	4 1/4	7/16	10.1
1 5/8		RFPA-110	RCIA-110	27312	155.6	130.2	57.2	12.7	39.7	72.2	73.0	28.6	108.0		4.58
1 11/16		RFPA-111	RCIA-111												
1 3/4		RFPA-112	RCIA-112												
	45	RFPA-45MM	RCI-45MM	8070	6 3/8	5 3/8	2 5/16	9/16	1 9/16	2 61/64	3 1/4	1 9/16	4 1/2	7/16	11.6
1 15/16		RFPA-115	RCIA-115	35897	161.9	136.5	58.7	14.3	39.7	75.0	82.6	39.7	114.3		5.26
	50	RFPA-50MM	RCI-50MM												
2		RFPA-200	RCIA-200												
	55	RFPA-55MM	RCI-55MM	8570	7 1/8	6	2 1/2	9/16	1 11/16	3 1/8	3 5/8	1 5/16	5	1/2	14.5
2 3/16		RFPA-203	RCIA-203	38121	181.0	152.4	63.5	14.3	42.9	79.4	92.1	33.3	127.0		6.58
2 1/4		RFPA-204	RCIA-204												
	60	RFPA-60MM	RCI-60MM	9030	7 5/8	6 1/2	2 3/4	5/8	1 13/16	3 5/16	3 15/16	1 7/16	5 1/2	1/2	19
2 7/16		RFPA-207	RCIA-207	40167	193.7	165.1	69.9	15.9	46.0	84.1	100.0	36.5	139.7		8.62
2 1/2		RFPA-208	RCIA-208												
	65	RFPA-65MM	RCI-65MM												
2 11/16		RFPA-211	RCIA-211												
2 3/4		RFPA-212	RCIA-212												
	70	RFPA-70MM	RCI-70MM	9630	8 3/4	7 1/2	2 7/8	3/4	2	3 11/16	4 23/32	1 9/16	6 3/8	5/8	26.7
2 15/16		RFPA-215	RCIA-215	42836	222.3	190.5	73.0	19.1	50.8	93.7	119.9	39.7	161.9		12.11
	75	RFPA-75MM	RCI-75MM												
3		RFPA-300	RCIA-300												
	80	RFPA-80MM	RCI-80MM												
3 3/16		RFPA-303	RCIA-303												
3 1/4		RFPA-304	RCIA-304												
	85	RFPA-85MM	RCI-85MM	15320	10 1/4	8 5/8	3 3/8	7/8	2 7/16	4 3/16	5 7/16	1 5/8	7 3/8	3/4	42.6
3 7/16		RFPA-307	RCIA-307	68147	260.4	219.1	85.7	22.2	61.9	106.4	138.1	41.3	187.3		19.32
3 1/2		RFPA-308	RCIA-308												
	90	RFPA-90MM	RCI-90MM												
	95	RFPA-95MM	RCI-95MM												
3 15/16		RFPA-315	RCIA-315												
	100	RFPA-100MM	RCI-100MM	20980	10 7/8	9 3/8	4 3/8	15/16	2 11/16	5 1/4	5 15/16	2 7/16	8 1/8	3/4	55.2
4		RFPA-400	RCIA-400	93324	276.2	238.1	111.1	23.8	68.3	133.4	150.8	61.9	206.4		25.04
	105	RFPA-105MM	RCI-105MM												
	110		RCI-110MM												
4 7/16		RFPA-407	RCIA-407	25750	13 1/2	11 3/4	4 5/8	1	3 1/32	5 1/2	6 13/32	2 3/8	10 1/4	3/4	91
4 1/2		RFPA-408	RCIA-408	114542	342.9	298.5	117.5	25.4	77.0	139.7	162.7	60.3	260.4		41.28
	115		RCI-115MM												
	120		RCI-120MM												
	125		RCI-125MM	35520	14 3/4	12 3/4	5 3/8	1 1/4	2 31/32	6 13/64	7 13/32	2 7/8	11	7/8	115
4 15/16		RFPA-415	RCIA-415	158001	374.7	323.9	136.5	31.8	75.4	157.6	188.1	73.0	279.4		52.16
5		RFPA-500	RCIA-500												

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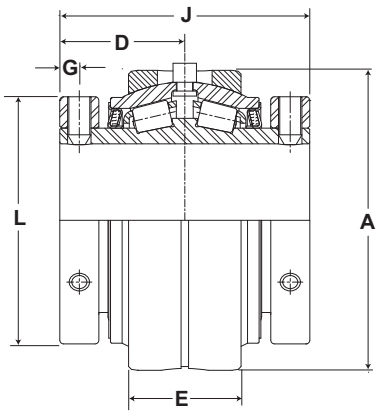
Rolling Elements: Tapered Roller
Housing: Cylindrical Cartridge Insert
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F



ERCI Series Replacement Cartridge Insert

Bore Diameter		Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm						Unit Wt. lb/kg
inch	mm			A +.000 / -.001	D	E	G	J	L	
1 3/4		ERCI-112								
	45	ERCI-45MM								
1 15/16		ERCI-115	8070	3.937	1 3/4	1 3/4	5/16	3 1/2	3 1/4	6.5
	50	ERCI-50MM	35897	100.0	44.5	44.5	7.9	88.9	82.6	2.95
2		ERCI-200								
	55	ERCI-55MM	8570	4.437	1 7/8	1 3/4	5/16	3 3/4	3 5/8	7.7
2 3/16		ERCI-203	38121	112.7	47.6	44.5	7.9	95.3	92.1	3.49
2 1/4		ERCI-204								
	60	ERCI-60MM								
2 7/16		ERCI-207	9030	4.782	2	1 13/16	5/16	4	3 15/16	10.0
2 1/2		ERCI-208	40167	121.5	50.8	46.0	7.9	101.6	100.0	4.54
	65	ERCI-65MM								
2 11/16		ERCI-211								
2 3/4		ERCI-212								
	70	ERCI-70MM	9630	5.374	2 1/4	2	7/16	4 1/2	4 23/32	13.0
2 15/16		ERCI-215	42836	136.5	57.2	50.8	11.1	114.3	119.9	5.90
	75	ERCI-75MM								
3		ERCI-300								
	80	ERCI-80MM								
3 3/16		ERCI-303								
	85	ERCI-85MM	15320	6.593	2 1/2	2 1/4	7/16	5	5 7/16	22.0
3 7/16		ERCI-307	68147	167.5	63.5	57.2	11.1	127.0	138.1	9.98
3 1/2		ERCI-308								
	90	ERCI-90MM								
	95	ERCI-95MM								
3 15/16		ERCI-315								
	100	ERCI-100MM	20980	7.187	3 1/8	3 1/8	1/2	6 1/4	5 15/16	30.0
4		ERCI-400	93321	182.5	79.4	79.4	12.7	158.8	150.8	13.61
	105	ERCI-105MM								
	110	ERCI-110MM								
4 7/16		ERCI-407	25750	7.999	3 3/8	3 1/4	1/2	6 3/4	6 13/32	38.4
4 1/2		ERCI-408	114542	203.2	85.7	82.6	12.7	171.5	162.7	17.42
	115	ERCI-115MM								
	120	ERCI-120MM								
	125	ERCI-125MM	35520	9.061	3 5/8	3 3/4	5/8	7 1/4	7 13/32	55.0
4 15/16		ERCI-415	158001	230.1	92.1	95.3	15.9	184.2	188.1	24.95
5		ERCI-500								

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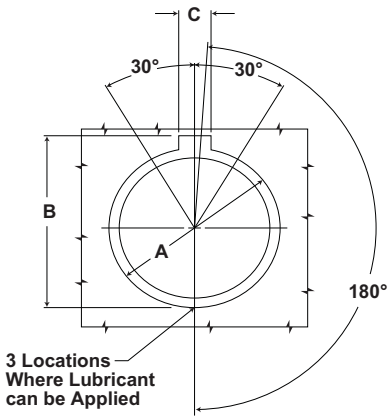
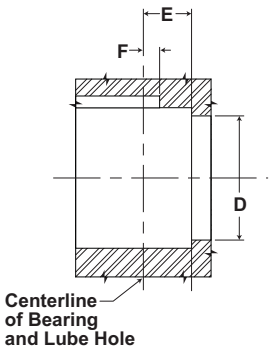
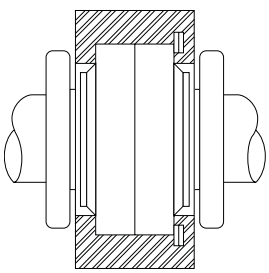


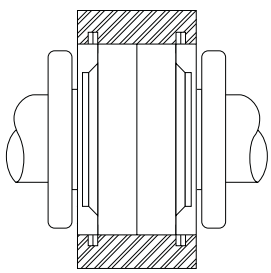


ERCI Series Housing Bore Dimensions

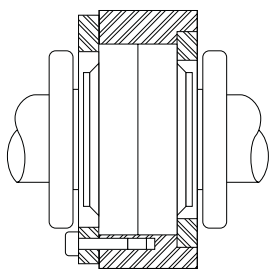
Bore Diameter		Dimensions inch / mm					
inch	mm	A +.002 / -.000 +.05 / -.000	B +.01 / -.00 +.25 / -.00	C +.01 / -.00 +.25 / -.00	D ±.01 ±.25	E ±.01 ±.25	F ±.005 ±.127
1 3/4 1 15/16 2	45 50	3.939 100.05	4.12 104.65	.44 11.18	3.63 42.20	.97 24.64	.25 6.35
2 3/16	55	4.439 112.75	4.62 117.35	.56 14.22	4.00 101.10	.97 24.64	.38 9.65
2 1/4 2 7/16 2 1/2	60 65	4.782 121.46	5.01 127.25	.56 14.22	4.38 111.25	1.03 26.16	.38 9.65
2 11/16 2 3/4 2 15/16 3	70 75	5.376 136.55	5.50 139.70	.56 14.22	5.12 130.05	1.16 29.46	.38 9.65
3 3/16 3 7/16 3 1/2	80 85 90 95	6.595 167.51	6.89 175.01	.75 19.05	6.00 152.40	1.28 32.51	.50 12.70
3 15/16 4	100 105	7.189 182.60	7.46 189.48	.75 19.05	6.62 168.15	1.75 44.45	.50 12.70
4 7/16 4 1/8	110 115	8.001 203.23	8.28 210.31	.75 19.05	7.25 184.15	1.81 45.97	.50 12.70
4 15/16 5	120 125	9.063 230.20	9.34 237.24	.75 19.05	8.50 215.90	2.06 52.35	.50 12.70



Cartridge Fixed Between Shoulder and Snap Ring



Cartridge Set For Expansion And Held Between Snap Rings



Cartridge Fixed Between Two Types of Collars

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SEALMASTER® RPB Bearings

Rolling Elements: Tapered Roller
Housing: Cylindrical Cartridge Insert
Self Alignment: +/- 3 Degrees
Lock: Setscrew, Single and Double Collar
Seal: Felt
Optional Seal: Single Lip Contact
Temperature: -20°F to 220°F

RCI and RCIA Series Replacement Cartridge Inserts - Inch

Bore Diameter inch	RCI Felt Seal	Contact Seal	Hi-Temp Seal	Unit Wt. lb/kg
1 3/16	RCI-103	RCI-103-C	RCI-103-N	2.0 .91
1 1/4	RCI-104	RCI-104-C	RCI-104-N	1.9 .86
1 3/8	RCI-106	RCI-106-C	RCI-106-N	2.9 1.32
1 7/16	RCI-107	RCI-107-C	RCI-107-N	2.7 1.22
1 1/2	RCI-108	RCI-108-C	RCI-108-N	4.5 2.04
1 5/8	RCI-110	RCI-110-C	RCI-110-N	4.2 1.91
1 11/16	RCI-111	RCI-111-C	RCI-111-N	4.0 1.81
1 3/4	RCI-112	RCI-112-C	RCI-112-N	5.3 2.40
1 15/16	RCI-115	RCI-115-C	RCI-115-N	4.8 2.18
2 7/16	RCI-207	RCI-207-C	RCI-207-N	7.4 3.36
2 1/2	RCI-208	RCI-208-C	RCI-208-N	7.2 3.27
2 11/16	RCI-211	RCI-211-C	RCI-211-N	11.5 5.22
2 3/4	RCI-212	RCI-212-C	RCI-212-N	11.3 5.13
2 15/16	RCI-215	RCI-215-C	RCI-215-N	10.3 4.67
3	RCI-300	RCI-300-C	RCI-300-N	10.0 4.54
3 3/16	RCI-303	RCI-303-C	RCI-303-N	19.6 8.89
3 7/16	RCI-307	RCI-307-C	RCI-307-N	17.8 8.07
3 1/2	RCI-308	RCI-308-C	RCI-308-N	17.3 7.85
3 15/16	RCI-315	RCI-315-C	RCI-315-N	23.1 10.48
4	RCI-400	RCI-400-C	RCI-400-N	22.6 10.25
4 7/16	RCI-407	RCI-407-C	RCI-407-N	30.4 13.79
4 1/2	RCI-408	RCI-408-C	RCI-408-N	29.9 13.56
4 15/16	RCI-415	RCI-415-C	RCI-415-N	45.6 20.68
5	RCI-500	RCI-500-C	RCI-500-N	44.4 20.14

Bore Diameter inch	RCIA Felt Seal	Contact Seal	Hi-Temp Seal	Unit Wt. lb/kg
1 3/16	RCIA-103	RCIA-103-C	RCIA-103-N	2.0 .91
1 1/4	RCIA-104	RCIA-104-C	RCIA-104-N	1.9 .86
1 3/8	RCIA-106	RCIA-106-C	RCIA-106-N	2.9 1.32
1 7/16	RCIA-107	RCIA-107-C	RCIA-107-N	2.7 1.22
1 1/2	RCIA-108	RCIA-108-C	RCIA-108-N	4.5 2.04
1 5/8	RCIA-110	RCIA-110-C	RCIA-110-N	4.2 1.91
1 11/16	RCIA-111	RCIA-111-C	RCIA-111-N	4.0 1.81
1 3/4	RCIA-112	RCIA-112-C	RCIA-112-N	5.3 2.40
1 15/16	RCIA-115	RCIA-115-C	RCIA-115-N	4.8 2.18
2 7/16	RCIA-207	RCIA-207-C	RCIA-207-N	7.4 3.36
2 1/2	RCIA-208	RCIA-208-C	RCIA-208-N	7.2 3.27
2 11/16	RCIA-211	RCIA-211-C	RCIA-211-N	11.5 5.22
2 3/4	RCIA-212	RCIA-212-C	RCIA-212-N	11.3 5.13
2 15/16	RCIA-215	RCIA-215-C	RCIA-215-N	10.3 4.67
3	RCIA-300	RCIA-300-C	RCIA-300-N	10.0 4.54
3 3/16	RCIA-303	RCIA-303-C	RCIA-303-N	19.6 8.89
3 7/16	RCIA-307	RCIA-307-C	RCIA-307-N	17.8 8.07
3 1/2	RCIA-308	RCIA-308-C	RCIA-308-N	17.3 7.85
3 15/16	RCIA-315	RCIA-315-C	RCIA-315-N	23.1 10.48
4	RCIA-400	RCIA-400-C	RCIA-400-N	22.6 10.25
4 7/16	RCIA-407	RCIA-407-C	RCIA-407-N	30.4 13.79
4 1/2	RCIA-408	RCIA-408-C	RCIA-408-N	29.9 13.56
4 15/16	RCIA-415	RCIA-415-C	RCIA-415-N	45.6 20.68
5	RCIA-500	RCIA-500-C	RCIA-500-N	44.4 20.14

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RCI-M and RCIA-M - Replacement Cartridge Inserts - Metric

Bore Diameter mm	RCI-M Felt Seal	Contact Seal	Hi-Temp Seal
35	RCI-35MM	RCI35MM-C	RCI35MM-N
40	RCI-40MM	RCI40MM-C	RCI40MM-N
45	RCI-45MM	RCI45MM-C	RCI45MM-N
50	RCI-50MM	RCI50MM-C	RCI50MM-N
55	RCI-55MM	RCI55MM-C	RCI55MM-N
60	RCI-60MM	RCI60MM-C	RCI60MM-N
65	RCI-65MM	RCI65MM-C	RCI65MM-N
70	RCI-70MM	RCI70MM-C	RCI70MM-N
75	RCI-75MM	RCI75MM-C	RCI75MM-N
80	RCI-80MM	RCI80MM-C	RCI80MM-N
95	RCI-85MM	RCI85MM-C	RCI85MM-N
90	RCI-90MM	RCI90MM-C	RCI90MM-N
95	RCI-95MM	RCI95MM-C	RCI95MM-N
100	RCI-100MM	RCI100MM-C	RCI100MM-N
105	RCI-105MM	RCI105MM-C	RCI105MM-N
110	RCI-110MM	RCI110MM-C	RCI110MM-N
115	RCI-115MM	RCI115MM-C	RCI115MM-N
120	RCI-120MM	RCI120MM-C	RCI120MM-N
125	RCI-125MM	RCI125MM-C	RCI125MM-N

Bore Diameter mm	RCIA-M Felt Seal	Contact Seal	Hi-Temp Seal
35	RCIA-35MM	RCIA35MM-C	RCIA35MM-N
40	RCIA-40MM	RCIA40MM-C	RCIA40MM-N
45	RCIA-45MM	RCIA45MM-C	RCIA45MM-N
50	RCIA-50MM	RCIA50MM-C	RCIA50MM-N
55	RCIA-55MM	RCIA55MM-C	RCIA55MM-N
60	RCIA-60MM	RCIA60MM-C	RCIA60MM-N
65	RCIA-65MM	RCIA65MM-C	RCIA65MM-N
70	RCIA-70MM	RCIA70MM-C	RCIA70MM-N
75	RCIA-75MM	RCIA75MM-C	RCIA75MM-N
80	RCIA-80MM	RCIA80MM-C	RCIA80MM-N
95	RCIA-85MM	RCIA85MM-C	RCIA85MM-N
90	RCIA-90MM	RCIA90MM-C	RCIA90MM-N
95	RCIA-95MM	RCIA95MM-C	RCIA95MM-N
100	RCIA-100MM	RCIA100MM-C	RCIA100MM-N
105	RCIA-105MM	RCIA105MM-C	RCIA105MM-N
110	RCIA-110MM	RCIA110MM-C	RCIA110MM-N
115	RCIA-115MM	RCIA115MM-C	RCIA115MM-N
120	RCIA-120MM	RCIA120MM-C	RCIA120MM-N
125	RCIA-125MM	RCIA125MM-C	RCIA125MM-N

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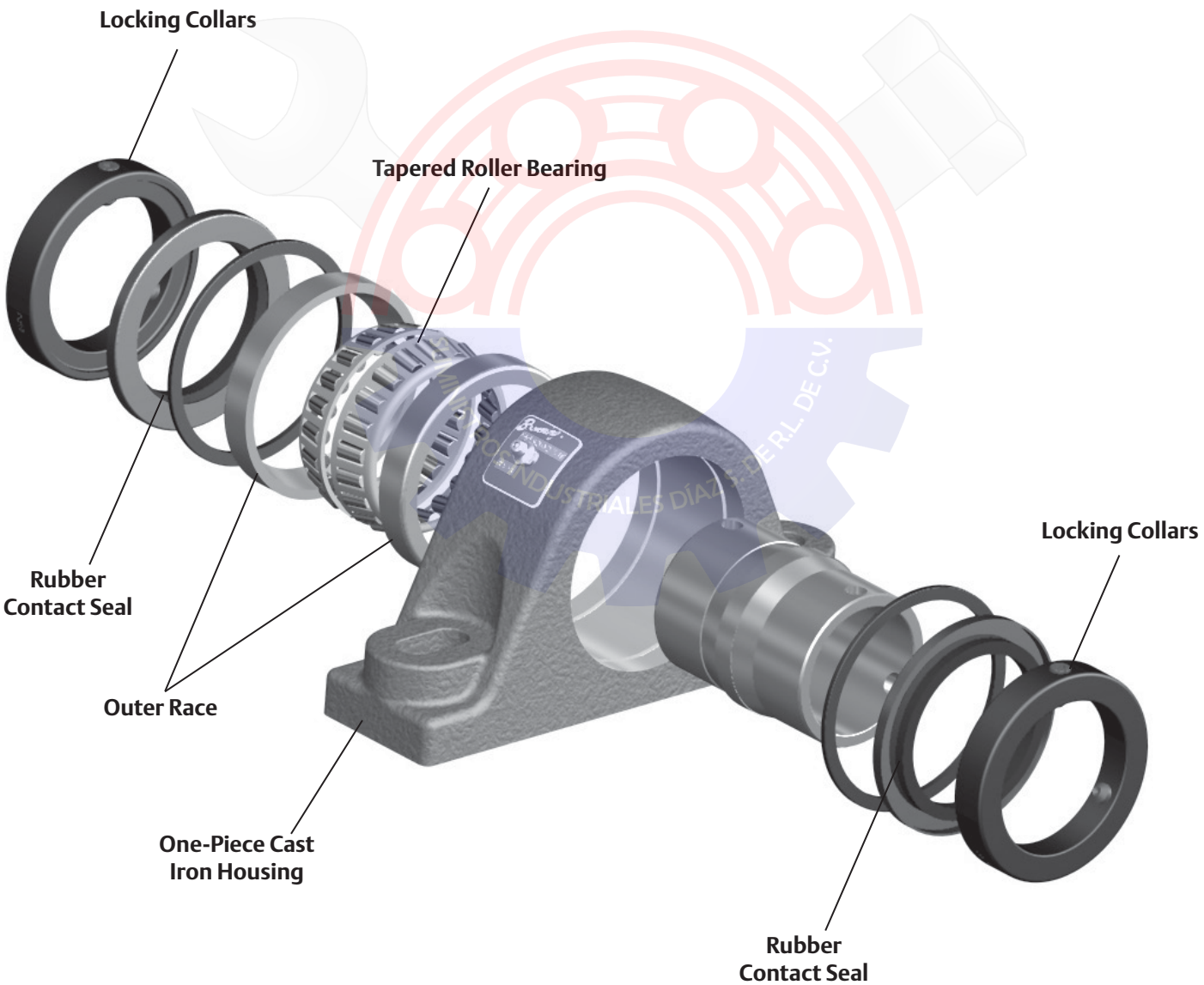
Browning® E920 Series Tapered Roller Bearing

Browning® 920 series mounted tapered roller bearings feature one-piece durable cast iron non-expansion housings with Type E mounting dimensions and limited misalignment. The E920 series contains setscrew locking collars for easy installation and contact face riding seals to provide a good balance between contaminant entry, grease retention and friction. Depending on your application requirements, these bearings are available in a wide variety of bore sizes and housing configurations as illustrated on the pages to follow.



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SUMINISTROS INDUSTRIALES DÍAZ

E920 Series Tapered Roller Nomenclature

Housing Assembly

Housing Type
- PB - Pillow Block
- FB - Four Bolt Flange
- TU - Take-Up

Series
- E920 - Setscrew

Pillow Block Bolts
- F - Four Bolts

Bore Size (Inches)

PB E920 F X 2 7/16

Take-Up Frames

Nominal & Actual Adjustments (Inches)

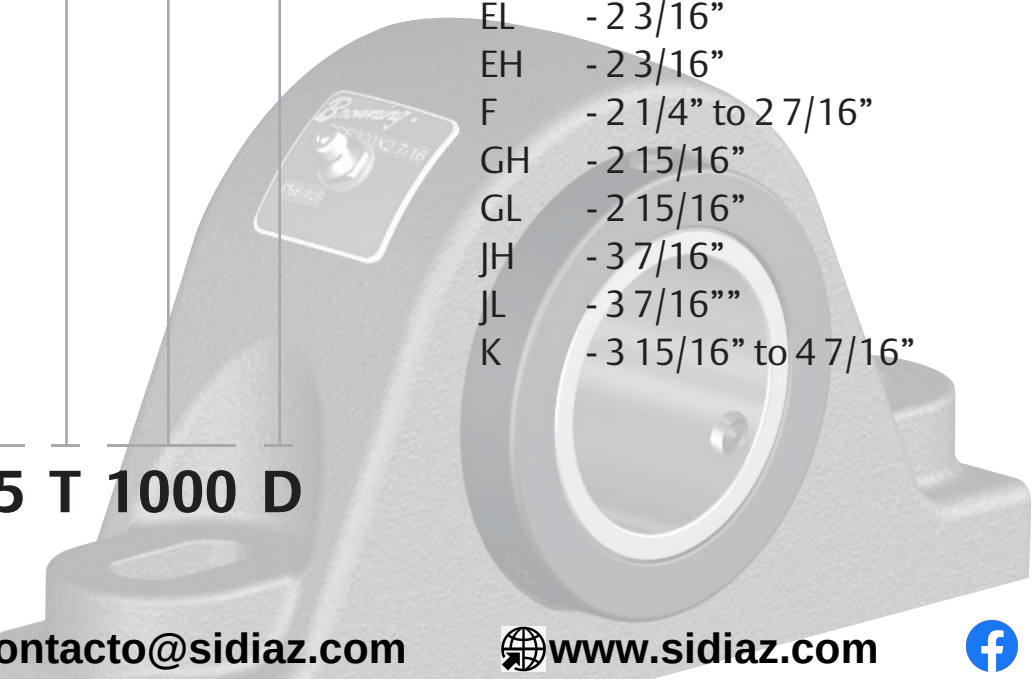
Take-Up Frame

Series
- 1000 - Center Pull (TUE920)

Compatible Range

D	- Up to 2”
EL	- 2 3/16”
EH	- 2 3/16”
F	- 2 1/4” to 2 7/16”
GH	- 2 15/16”
GL	- 2 15/16”
JH	- 3 7/16”
JL	- 3 7/16””
K	- 3 15/16” to 4 7/16”

12-16.5 T 1000 D



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SUMINISTROS INDUSTRIALES DÍAZ

Features and Benefits

Tapered Roller Bearings

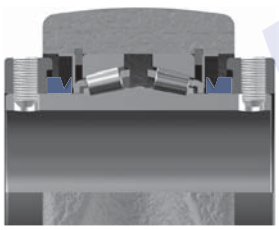
Browning® E920 Series mounted tapered roller bearings are available from 1 3/16” to 5” in a two and four bolt pillow blocks, four bolt flanges and take-up housing styles. All units are completely assembled, adjusted and lubricated at the factory and are ready for use.

Heavy Duty Tapered Roller Bearings

Heavy duty tapered roller bearings for radial, thrust and combination loading.

One-Piece Cast Iron Housing

Durable one-piece cast iron housings provide support load.



Contact Seal

Rubber contact face riding seals rotate with the shaft to help retain lubricant and help exclude contaminants.

Collar Mount System

Two locking collars are standard on all units with two setscrews at 120° for balanced three point contact and holding power. Locking collars are black oxide treated.

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SUMINISTROS INDUSTRIALES DÍAZ

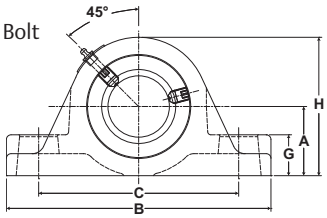
Rolling Elements: Tapered Roller

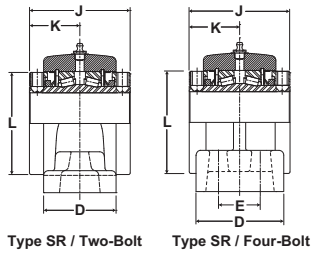
Housing: Cast Iron, Two And Four Bolt Pillow Blocks

Lock: Setscrew, Double Collar

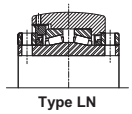
Seal: Contact

Temperature: -20°F to 200°F





Type SR / Two-Bolt Type SR / Four-Bolt



Type LN

PBE920 Series Two and Four-Bolt Base Pillow Blocks

Bore Diameter	Part No.	Basic Dynamic Rating lb/N	Type*	Dimensions inch / mm												Unit Wt. lb/kg
				A	B	C		D	E	G	H	J	K	L	Bolt Size	
inch						Min.	Max.								2 Bolt	4 Bolt	
1 3/16 1 1/4	PBE920x 1 3/16 PBE920x 1 1/4	2975 13233	SR	1 1/2 38.1	6 3/8 161.9	4 5/16 109.5	5 127.0	1 7/8 47.6	-----	7/8 22.2	3 76.2	2 3/4 69.9	1 25/64 35.3	2 1/4 57.2	1/2	-----	4.0 1.81
1 3/8 1 7/16	PBE920x 1 3/8 PBE920x 1 7/16	4760 21172	SR	1 7/8 47.6	7 3/8 187.3	5 127.0	6 152.4	2 1/8 54.0	-----	1 1/8 28.6	3 3/4 95.3	3 76.2	1 1/2 38.1	2 3/4 69.9	1/2	-----	6.9 3.1
1 1/2 1 5/8 1 11/16	PBE920x 1 1/2 PBE920x 1 5/8 PBE920x 1 11/16	6140 27311	SR	2 1/8 54.0	7 7/8 200.0	5 11/16 144.5	6 1/2 165.1	2 1/2 63.5	-----	1 1/4 31.8	4 1/4 108.0	3 3/8 85.7	1 11/16 42.9	3 3/16 81.0	1/2	-----	9.5 4.31
1 3/4 1 15/16 2	PBE920x 1 3/4 PBE920x 1 15/16 PBE920x 2	8070 35895	SR	2 1/4 57.2	8 7/8 225.4	6 3/16 157.2	7 1/4 184.2	2 1/2 63.5	-----	1 1/4 31.8	4 1/2 114.3	3 1/2 88.9	1 3/4 44.5	3 7/16 87.3	5/8	-----	10.9 4.94
2 3/16	PBE920x 2 3/16	8570 38119	SR	2 1/2 63.5	9 5/8 244.5	6 11/16 169.9	8 203.2	2 5/8 66.7	-----	1 7/16 36.5	5 127.0	3 3/4 95.3	1 7/8 47.6	3 3/4 95.3	5/8	-----	14.0 6.35
2 1/4 2 7/16 2 1/2	PBE920x 2 1/4 PBE920x 2 7/16 PBE920x 2 1/2	9030 40165	SR	2 3/4 69.9	10 1/2 266.7	7 1/8 181.0	8 3/4 222.3	2 7/8 73.0	-----	1 5/8 41.3	5 1/2 139.7	4 101.6	2 50.8	4 1/16 103.2	5/8	-----	19.0 8.62
2 11/16 2 3/4 2 15/16 3	PBE920x 2 11/16 PBE920x 2 3/4 PBE920x 2 15/16 PBE920x 3	9630 42834	SR	3 1/8 79.4	12 304.8	8 7/16 214.3	9 3/4 247.7	3 76.2	-----	1 3/4 44.5	6 1/4 158.8	4 1/2 114.3	2 1/4 57.2	4 23/32 119.9	3/4	-----	26.0 11.79
3 3/16 3 7/16 3 1/2	PBE920x 3 3/16 PBE920x 3 7/16 PBE920x 3 1/2	15320 68143	LN	3 3/4 95.3	14 355.6	9 3/4 247.7	11 1/2 292.1	3 5/8 92.1	-----	2 1/8 54.0	7 1/2 190.5	5 127.0	2 1/2 63.5	5 7/16 138.1	7/8	-----	44.0 19.96
2 1/4 2 7/16 2 1/2	PBE920Fx 2 1/4 PBE920Fx 2 7/16 PBE920Fx 2 1/2	9030 40165	SR	2 3/4 69.9	10 1/2 266.7	7 1/8 181.0	8 3/4 222.3	3 1/2 88.9	1 7/8 47.6	1 5/8 41.3	5 1/2 139.7	4 101.6	2 50.8	4 1/16 103.2	-----	5/8	19 8.62
2 11/16 2 3/4 2 15/16 3	PBE920Fx 2 11/16 PBE920Fx 2 3/4 PBE920Fx 2 15/16 PBE920Fx 3	9630 42834	SR	3 1/8 79.4	12 304.8	8 203.2	9 7/8 250.8	4 101.6	2 1/8 54.0	1 3/4 44.5	6 1/4 158.8	4 1/2 114.3	2 1/4 57.2	4 23/32 119.9	-----	5/8	26 11.79
3 3/16 3 7/16 3 1/2	PBE920Fx 3 3/16 PBE920Fx 3 7/16 PBE920Fx 3 1/2	15320 68143	LN	3 3/4 95.3	14 355.6	9 11/16 246.1	11 7/16 290.5	4 1/2 114.3	2 3/8 60	2 1/8 54.0	7 1/2 190.5	5 127.0	2 1/2 63.5	5 7/16 138.1	-----	3/4	44 19.96
3 15/16 4	PBE920Fx 3 15/16 PBE920Fx 4	20980 93319	LN	4 1/4 108.0	15 1/4 387.4	10 7/16 265.1	12 7/8 327.0	4 1/2 114.3	2 1/4 57.2	2 7/16 61.9	8 1/2 215.9	6 1/4 158.8	3 1/8 79.4	5 15/16 150.8		3/4	65 29.48
4 7/16 4 1/2	PBE920Fx 4 7/16 PBE920Fx 4 1/2	25750 114536	LN	4 3/4 120.7	16 5/8 422.3	11 1/4 285.8	13 7/8 352.4	4 5/8 117.6	2 1/2 63.5	2 3/4 69.9	9 3/8 238.1	6 3/4 171.5	3 3/8 85.7	6 13/32 162.7	-----	3/4	65 29
4 15/16 5	PBE920Fx 4 15/16 PBE920Fx 5	35520 157993	LN	5 1/2 139.7	18 1/2 469.9	13 330.2	15 7/8 403.2	5 1/8 130.2	2 3/4 69.9	3 1/8 79.4	10 7/8 276.2	7 1/4 184.2	3 5/8 92.1	7 13/32 188.1	-----	7/8	132 59.87

Bearing Selection Page I-3 | Nomenclature Aid Page I-40 | Features & Benefits Page I-41 | Technical Engineering Page I-47

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SUMINISTROS INDUSTRIALES DÍAZ

Browning®

E920 Series Bearings

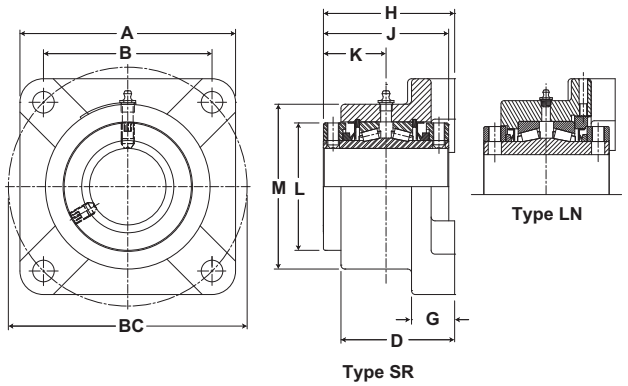
Rolling Elements: Tapered Roller

Housing: Cast Iron, Four Bolt, Flange Block

Lock: Setscrew, Double Collar

Seal: Contact

Temperature: -20°F to 200°F



FBE920 Series Four-Bolt Flange Units

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Type*	Dimensions inch / mm										Unit Wt. lb/kg
				A	B.C.	B	D	G	H	J	L	M	Bolt Size	
1 3/16 1 1/4	FBE920x 1 3/16 FBE920x 1 1/4	2975 13233	SR	3 3/4 95.3	4 1/16 103.3	2 7/8 73.0	2 3/8 60.3	1 1/32 26.2	2 27/32 72.2	2 3/4 69.9	2 1/4 57.2	3 76.2	3/8	4.5 2.04
1 3/8 1 7/16	FBE920x 1 3/8 FBE920x 1 7/16	4760 21172	SR	4 5/8 117.5	4 61/64 125.8	3 1/2 88.9	2 5/8 66.7	1 1/16 27.0	3 5/64 78.2	3 76.2	2 3/4 69.9	3 5/8 92.1	1/2	6.7 3.04
1 1/2 1 5/8 1 11/16	FBE920x 1 1/2 FBE920x 1 5/8 FBE920x 1 11/16	6140 27311	SR	5 3/8 136.5	5 53/64 148.0	4 1/8 104.8	3 76.2	1 3/16 30.2	3 29/64 87.7	3 3/8 85.7	3 3/16 81.0	4 1/4 108.0	1/2	10.0 4.54
1 3/4 1 15/16 2	FBE920x 1 3/4 FBE920x 1 15/16 FBE920x 2	8070 35895	SR	5 5/8 142.9	6 3/16 157.2	4 3/8 111.1	3 1/8 79.4	1 3/16 30.2	3 5/8 92.1	3 1/2 88.9	3 7/16 87.3	4 1/2 114.3	1/2	12.0 5.44
2 3/16	FBE920x 2 3/16	8570 38119	SR	6 1/4 158.8	6 57/64 175.0	4 7/8 123.8	3 5/16 84.1	1 1/4 31.8	3 7/8 98.3	3 3/4 95.0	3 3/4 95.3	4 7/8 123.8	5/8	16.0 7.26
2 1/4 2 7/16 2 1/2 2 1/2	FBE920x 2 1/4 FBE920x 2 7/16 FBE920x 2 1/2 FBE920x 2 1/2	9030 40165	SR	6 7/8 174.6	7 39/64 193.3	5 3/8 136.5	3 5/8 92.1	1 1/2 38.1	4 3/16 106.3	4 101.6	4 1/16 103.2	5 1/4 133.4	5/8	21.0 9.53
2 11/16 2 3/4 2 15/16 3	FBE920x 2 11/16 FBE920x 2 3/4 FBE920x 2 15/16 FBE920x 3	9630 42834	SR	7 3/4 196.9	8 31/64 215.5	6 152.4	3 15/16 100.0	1 5/8 41.3	4 11/16 119.1	4 1/2 114.3	4 23/32 119.9	6 1/8 155.6	3/4	28.0 12.70
3 3/16 3 7/16 3 1/2	FBE920x 3 3/16 FBE920x 3 7/16 FBE920x 3 1/2	15320 68143	LN	9 1/4 235.0	9 29/32 251.6	7 177.8	4 9/16 115.9	1 7/8 47.6	5 1/4 133.4	5 127.0	5 7/16 138.1	7 1/2 190.5	3/4	46.0 20.87
3 15/16 4	FBE920x 3 15/16 FBE920x 4	20980 93319	LN	10 1/4 260.4	10 31/32 278.6	7 3/4 196.9	5 11/16 144.5	2 3/16 55.6	6 9/16 166.7	6 1/4 158.6	5 15/16 150.8	8 1/4 209.6	7/8	64.0 29.03

*Type LN and SR are different internal mounting configurations as shown in line drawings.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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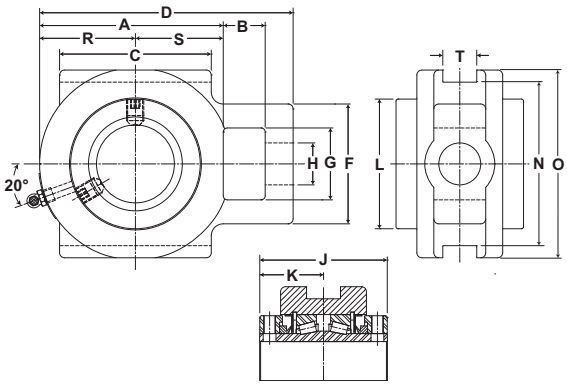
Rolling Elements: Tapered Roller
Housing: Cast Iron, Take Ups
Lock: Setscrew, Double Collar
Seal: Contact
Temperature: -20°F to 200°F



TUE920 Series Take Up Units

Bore Diameter inch	Part No.	Basic Dynamic Rating lb/N	Dimensions inch / mm															Unit Wt. lb/kg
			A	B	C	D	F	G	H	J	K	L	N	O	R	S	T	
1 3/8*	TUE920x 1 3/8	4760	3 3/4	5/8	2 3/4	5 3/32	2 7/16	1 7/16	13/16	3	1 1/2	2 3/4	3 1/2	4 1/8	1 3/4	1 29/32	17/32	6.0
1 7/16*	TUE920x 1 7/16	21172	95.8	15.9	69.9	129.4	61.9	36.5	20.6	76.2	38.1	69.9	88.9	104.8	47.3	48.4	13.5	2.72
1 1/2	TUE920x 1 1/2	6140	4 5/16	1 1/16	3 1/4	6	2 7/8	1 15/16	1 1/16	3 3/8	1 11/16	3 3/16	4	4 3/4	2 1/4	2 1/8	11/16	9.0
1 11/16	TUE920x 1 11/16	27311	109.5	27.0	82.6	152.4	73.0	49.2	27.0	85.7	42.9	81.0	101.6	120.7	55.5	54.0	17.5	4.08
1 3/4	TUE920x 1 3/4																	
1 15/16	TUE920x 1 15/16	8070	4 3/8	1 1/16	3 1/2	6 3/16	2 7/8	1 15/16	1 1/16	3 1/2	1 3/4	3 7/16	4	4 3/4	2 1/2	2 1/8	11/16	12.0
2	TUE920x 2	35895	111.3	27.0	88.9	157.2	73.0	49.2	27.0	88.9	44.5	87.3	101.6	120.7	57.3	54.0	17.5	5.44
2 3/16	TUE920x 2 3/16	8570	4 7/8	1 3/16	3 3/4	6 13/16	3 1/2	2 1/4	1 3/16	3 3/4	1 7/8	3 3/4	4 1/2	5 1/4	2 1/2	2 3/8	13/16	16.0
		38119	123.7	30.2	95.3	173.0	88.9	57.2	30.2	95.3	47.6	95.3	114.3	133.4	63.4	60.3	20.6	7.26
2 7/16	TUE920x 2 7/16	9030	5 3/4	1 5/16	4 3/4	7 15/16	3 3/4	2 1/4	1 5/16	4	2	4 1/16	5 1/8	5 7/8	3	2 3/4	1 1/16	21.0
2 1/2	TUE920x 2 1/2	40165	146.1	33.3	120.7	201.6	95.3	57.2	33.3	101.6	50.8	103.2	130.0	149.2	76.2	69.9	27.0	9.53
2 11/16	TUE920x 2 11/16																	
2 3/4	TUE920x 2 3/4	9630	6 3/16	1 9/16	4 3/4	8 3/4	4 1/4	2 3/4	1 9/16	4 1/2	2 1/4	4 23/32	5 15/16	6 3/4	3 1/4	3	1 13/16	30.0
2 15/16	TUE920x 2 15/16	42834	157.2	39.7	120.7	222.3	108.0	69.9	39.7	114.3	57.2	119.9	150.6	171.5	81.0	76.2	46.0	13.61
3	TUE920x 3																	
3 7/16	TUE920x 3 7/16	15320	7 5/8	1 13/16	6 1/4	10 7/16	4 7/8	2 7/8	1 13/16	5	2 1/2	5 7/16	6 13/16	7 5/8	4	3 5/8	1 13/16	44.0
		68143	193.8	46.0	158.8	265.1	123.8	73.0	46.0	127.0	63.5	138.1	173.0	193.7	101.7	92.1	46.0	19.96
3 15/16	TUE920x 3 15/16	20980	8 9/16	2 1/8	7	11 13/16	5 5/8	3 3/8	2 3/16	6 1/4	3 1/8	5 15/16	8 5/8	9 7/16	4 1/2	4 1/8	2 1/16	70.0
		93319	217.2	54.0	177.8	300.0	142.9	85.7	55.6	158.8	79.4	150.8	219.1	239.7	112.4	104.8	52.4	31.75
4 7/16	TUE920x 4 7/16	25750	8 9/16	2 1/8	7	11 13/16	5 5/8	3 3/8	2 3/16	6 3/4	3 3/8	6 13/32	8 5/8	9 7/16	4 1/2	4 1/8	2 1/16	74.0
		114536	217.2	54.0	177.8	300.0	142.9	85.7	55.6	171.5	85.7	162.7	219.1	239.7	112.4	104.8	52.4	33.57

Part Numbers are specified by TUE 920 and bore size: Example, TUE920 x 1 3/16.
These Take-Up Bearings are to be used with Take-Up Frames shown on page I-45 and I-46.
Bearing unit and frame must be ordered separately.
* Take -Up frames not available in these sizes.

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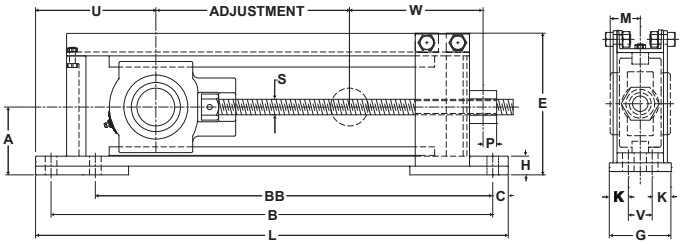
Browning®

E920 Series Bearings

Housing: All Steel Take-Up Frame, Removable Top Permits Assembling Of Take-Up Unit On Shelf Before Inserting In Take-Up Frame



T1000 Take Up Frames

Bore Diameter	Part No.	Dimensions inch / mm																	Unit Wt.
		Adjustment		A	B	BB	C	E	G	H	K	L	M	P	S	U	V	W	Bolts Req'd		
inch		Nominal	Actual																No.	Size	lb/kg
1 3/4	12-16.5T1000D	12	16.5	3 15/16	27 1/2	26 1/2						29 1/2									60.0
		304.8	419.1	100.0	698.5	673.1						749.3									27.22
1 15/16	18-22.5T1000D	18	22.5	3 15/16	33 1/2	32 1/2	1	8 9/32	4	1 1/4	-----	35 1/2	1 7/8	1 1/4	1-8NC	5 3/8	-----	5 5/8	2	5/8	70.0
		457.2	571.5	100.0	850.9	825.5	25.4	210.3	101.6	31.8		901.7	47.6	31.8		136.5		142.9			31.75
2	24-28.5T1000D	24	28.5	3 15/16	39 1/2	38 1/2						41 1/2									80.0
		609.6	723.9	100.0	1,003.3	977.9						1,054.1									36.29
	12-17T1000EL	12	17.0	4 3/16	27 1/2							29 1/2									65.0
		304.8	431.8	106.4	698.5							749.3									29.48
2 3/16	18-23T1000EL	18	23.0	4 3/16	33 1/2	-----	1	8 21/32	4	1 3/8	-----	35 1/2	2	1 5/8	1 1/8-7NC	4 9/16	-----	5 15/16	2	5/8	77.0
		457.2	584.2	106.4	850.9		25.4	219.9	101.6	34.9		901.7	50.8	41.3		115.9		150.8			34.93
	24-29T1000EL	24	29.0	4 3/16	39 1/2							41 1/2									86.0
		609.6	736.6	106.4	1,003.3							1,054.1									39.01
	12-17T1000EH	12	17.0	4 7/16	27 1/2							29 1/2									68.0
		304.8	431.8	112.7	698.5							749.3									30.8
2 3/16	18-23T1000EH	18	23.0	4 7/16	33 1/2	-----	1	8 29/32	4	1 5/8	-----	35 1/2	2	1 5/8	1 1/8-7NC	4 9/16	-----	5 15/16	2	5/8	80.0
		457.2	584.2	112.7	850.9		25.4	226.2	101.6	41.3		901.7	50.8	41.3		115.9		150.8			36.29
	24-29T1000EH	24	29.0	4 7/16	39 1/2							41 1/2									91.0
		609.6	736.6	112.7	1,003.3							1,054.1									41.28
	12-16.6T1000F	12	16.6	4 3/8	28 1/2							30 1/2									71.0
		304.8	421.64	111.1	723.9							774.7									32.21
2 7/16	18-22.6T1000F	18	22.6	4 3/8	34 1/2							36 1/2									81.0
		457.2	574.04	111.1	876.3	-----	1	9 9/32	4	1 1/8	-----	927.1	2 1/8	1 3/4	1 1/4-7NC	5 5/16	-----	6 9/16	2	3/4	36.74
2 1/2	24-28.6T1000F	24	28.6	4 3/8	40 1/2		25.4	235.7	101.6	28.6		42 1/2	54.0	44.5		134.9		166.7			91.0
		609.6	726.44	111.1	1,028.7							1,079.5									41.28
	30-34.6T1000F	30	34.6	4 3/8	46 1/2							48 1/2									111.0
		762.0	878.84	111.1	1,181.1							1,231.9									50.35
2 11/16	12-15.5T1000GL	12	15.5	4 15/16	30 1/2							32 1/2									105.0
		304.8	393.7	125.4	774.7							825.5									47.63
2 3/4	18-21.5T1000GL	18	21.5	4 15/16	36 1/2							38 1/2									120.0
		457.2	546.1	125.4	927.1	-----	1	10 11/16	5	31/32	1 1/2	977.9	2 3/8	1/2	1 1/2-6NC	6 1/2	2	8 1/2	4	5/8	54.43
2 15/16	24-27.5T1000GL	24	27.5	4 15/16	42 1/2		25.4	271.5	127.0	24.6	38.1	44 1/2	60.3	12.7		165.1	50.8	215.9			135.0
		609.6	698.5	125.4	1,079.5							1,130.3									61.23
3	30-33.5T1000GL	30	33.5	4 15/16	48 1/2							50 1/2									150.0
		762	850.9	125.4	1,231.9							1,282.7									68.04

Part Numbers are specified by "T1000" with travel adjustment and bore size.
Example 12-16.6T1000 has 12"-16.6" adjustment and will accommodate a TUE920x 2 7/16" or USTU5000-207 bearing unit.
These Take-Up Frames are to be used with TUE Take-Up Units shown on page I-44 and USTU Take-Up Units shown on page H-21.
Bearing unit and frame must be ordered separately.
Frames give greater ACTUAL adjustment, often permitting use of shorter, more compact frames.
Frames with over 12" nominal adjustment have a third foot in the center for extra support.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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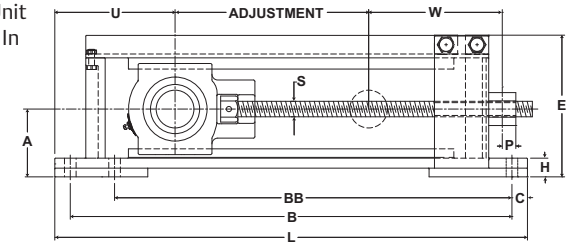
Housing: All Steel Take-Up Frame, Removable Top Permits Assembling Of Take-Up Unit On Shelf Before Inserting In Take-Up Frame



T1000 Take Up Frames Continued

Bore Diameter	Part No.	Dimensions inch / mm																		Unit Wt.
		Adjustment		A	B	BB	C	E	G	H	K	L	M	P	S	U	V	W	Bolts Req'd	
inch		Nominal	Actual																No.	Size	lb/kg
2 11/16	12-15.5T1000GH	12	15.5	5 1/8	30 1/2	-----	1	10 7/8	5	1 5/32	1 1/2	32 1/2	2 3/8	1/2	1 1/2-6NC	6 1/2	2	8 1/2	4	5/8	109.0
		304.8	393.7	130.2	774.7		25.4	276.2	127.0	29.4	38.1	825.5	60.3	12.7		165.1	50.8	215.9			49.44
2 3/4	18-21.5T1000GH	18	21.5	5 1/8	36 1/2							38 1/2									126.0
		457.2	546.1	130.2	927.1							977.9									57.15
2 15/16	24-27.5T1000GH	24	27.5	5 1/8	42 1/2							44 1/2									141.0
		609.6	698.5	130.2	1,079.5							1130.3									63.96
3	30-33.5T1000GH	30	33.5	5 1/8	48 1/2							50 1/2									156.0
		762.0	850.9	130.2	1,231.9							1,282.7									70.76
3 3/16	12-15.5T1000JL	12	15.5	5 7/16	32	-----	1 1/8	11 5/8	5	1 1/32	1 1/2	34 1/4	2 19/32	1	1 3/4-5NC	7 5/16	2	9 3/16	4	3/4	138.0
		304.8	393.7	138.1	812.8		28.6	295.3	127.0	26.2	38.1	870.0	65.9	25.4		185.7	50.8	233.4			62.60
3 7/16	18-21.5T1000JL	18	21.5	5 7/16	38							40 1/4									156.0
		457.2	546.1	138.1	965.2							1022.4									70.76
3 1/2	24-27.5T1000JL	24	27.5	5 7/16	44							46 1/4									173.0
		609.6	698.5	138.1	1117.6							1174.8									78.47
	30-33.5T1000JL	30	33.5	5 7/16	50							52 1/4									191.0
		762	850.9	138.1	1,270.0							1,327.2									86.64
3 3/16	12-15.5T1000JH	12	15.5	5 5/8	32	-----	1 1/8	11 13/16	5	1 7/32	1 1/2	34 1/4	2 19/32	1	1 3/4-5NC	7 5/16	2	9 3/16	4	3/4	145.0
		304.8	393.7	142.9	812.8		28.6	300.0	127.0	31.0	38.1	867	65.9	25.4		185.7	50.8	233.4			65.77
3 7/16	18-21.5T1000JH	18	21.5	5 5/8	38							40 1/4									163.0
		457.2	546.1	142.9	965.2							1022.4									73.94
3 1/2	24-27.5T1000JH	24	27.5	5 5/8	44							46 1/4									179.0
		609.6	698.5	142.9	1,117.6							1174.8									81.19
	30-33.5T1000JH	30	33.5	5 5/8	50							52 1/4									197.0
		762.0	850.9	142.9	1,270.0							1327.2									89.36
3 11/16	12-18T1000K	12	18.0	7	36	-----	1 1/4	14 15/32	6	1 7/16	1 3/4	38 1/2	2 31/32	1 5/8	2-4 1/2NC	7 1/2	2 1/2	10 7/16	4	3/4	191.0
		304.8	457.2	177.8	914.4		31.8	367.5	152.4	36.5	44.5	977.9	75.4	41.3		190.5	63.5	265.1			86.64
3 15/16	18-24T1000K	18	24	7	42							44 1/2									223.0
		457.2	609.6	177.8	1,066.8							1,130.3									101.15
4	24-30T1000K	24	30	7	48							50 1/2									249.0
		609.6	762	177.8	1219.2							1,282.7									112.94
4 7/16	30-36T1000K	30	36	7	54							56 1/2									274.0
4 1/2		762	914.4	177.8	1,371.6							1,435.1									124.28

Part Numbers are specified by "T1000" with travel adjustment and bore size.
Example 12-16.6T1000 has 12"-16.6" adjustment and will accommodate a TUE920x 2 7/16" or USTU5000-207 bearing unit.
These Take-Up Frames are to be used with TUE Take-Up Units shown on page I-44 and USTU Take-Up Units shown on page H-21.
Bearing unit and frame must be ordered separately.
Frames give greater ACTUAL adjustment, often permitting use of shorter, more compact frames.
Frames with over 12" nominal adjustment have a third foot in the center for extra support.

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Load Ratings and Life

Life Calculations

The L10 (rating) life for any given application and bearing selection can be calculated in terms of millions of revolutions by using the bearing Basic Dynamic Rating and applied radial load (or, equivalent radial load in the case of radial bearing applications having combined radial and thrust loads). The L10 life for any given application can be calculated in terms of hours, using the bearing Basic Dynamic Rating, applied load (or equivalent radial load) and suitable speed factors. The BDR for double row spherical roller bearings is based on one million revolutions and the equation to calculate their L10 life is as follows:

Spherical Roller Bearing

$$L_{10} = \left(\frac{C}{P}\right)^{10/3} \times \frac{1{,}000{,}000}{60 \times n} = \left(\frac{C}{P}\right)^{10/3} \times \frac{16667}{n}$$

Where: L_{10} = The # of hours that 90% of identical bearings under ideal conditions will operate at a specific speed and condition before fatigue is expected to occur.

C = Basic Dynamic Rating (lbs) 1,000,000 Revolutions

P = Constant Equivalent Radial Load (lbs)

n = Speed (RPM)

The BDR for tapered roller bearings is based on 90 million revolutions instead of one million for other types of bearings. Therefore there is a specific equation used to calculate their L10 life.

Tapered Roller Bearing

$$L_{10} = \left(\frac{C90}{P}\right)^{10/3} \times \frac{90{,}000{,}000}{60 \times n} = \left(\frac{C90}{P}\right)^{10/3} \times \frac{1{,}500{,}000}{n}$$

Where: L_{10} = The # of hours that 90% of identical bearings under ideal conditions will operate at a specific speed and condition before fatigue is expected to occur.

C90 = 2-Row Basic Dynamic Rating (lbs) 90,000,000 Revolutions

P = Constant Equivalent Radial Load (lbs)

n = Speed (RPM)*

* For speeds less than 50 RPM, use 50 RPM when doing L10 calculations.

Note: L10 life does not apply to rod ends and plain spherical bearings due to the sliding motion between components versus a rolling motion. Normal operation of these types of bearings results in wear of the raceways or fatigue or fracture of the outer member. Give consideration to this in the design of the equipment.

Shock and Vibration

Vibration and shock loading can act a additional loading to the steady expected applied load. When shock or vibration is present, multiply the theoretical life by the factors below to determine adjusted theoretical life.

Mounted Roller Bearing Shock Vibration Factors	
Steady Loading	1.0
Light Shock / Vibration	0.5
Moderate Shock / Vibration	0.3

Additionally, the ABMA provides application factors for all types of bearings which need to be considered to determine an adjusted Rated Life (Lna). L10 life rating is based on laboratory conditions yet other factors are encountered in actual bearing application that will reduce bearing life. Lna life rating takes into account reliability factors, material type, and operating conditions.

$$L_{na} = a_1 \times a_2 \times a_3 \times L_{10}$$

Where:

L_{na} = Adjusted Rated Life.

a_1 = Reliability Factor. Adjustment factor applied where estimated fatigue life is based on reliability other than 90% (See Table No 1).

a_2 = Material Factor. Life adjustment for bearing race material. Regal Power Transmission Solutions bearing races are manufactured from bearing quality steel. Therefore the a_2 factor is 1.0.

Table No. 1 Life Adjustment Factor for Reliability

Reliability %	L_{na}	a_1
90	L10	1
95	L5	0.62
96	L4	0.53
97	L3	0.44
98	L2	0.33
99	L1	0.21
50	L50	5

a_3 = Life Adjustment Factor for Operating Conditions. This factor should take into account the adequacy of lubricant, presence of foreign matter, conditions causing changes in material properties, and unusual loading or mounting conditions. Assuming a properly selected and mounted bearing having adequate seals and lubricant operating below 250°F and tight fitted to the shaft, the a_3 factor should be 1.0.

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Load Ratings and Life Continued

Mounted bearings are typically "slip fitted" to the shaft and rely on design features such as the inner race length and locking device for support.

Vibration and shock loading can act as an additional loading to the steady expected applied load. When shock or vibration is present, an a^3 Life Adjustment Factor can be applied. Shock loading has many variables which often are not easily determined. Typically, it is best to rely on one's experience with the particular application. Consult Application Engineering for assistance with applications involving shock or vibration loading.

The a^3 factor takes into account a wide range of application and mounting conditions as well as bearing features and design. Accurate determination of this factor is normally achieved through testing and in-field experience. Regal Power Transmission Solutions offers a wide range of options which can maximize bearing performance. Consult Application Engineering for more information. See sample calculations on page I-54.

Combined Load – Tapered Roller Bearings

1. Calculate the bearing internal thrust reaction (FIR):

$$FIR = \frac{0.6 \times F}{K}$$

- applied radial load
- factor K in Table No. 6

2. If the thrust load (Fa) is less than or equal to FIR, then calculate the equivalent radial load as follows:

$$P = (0.5 \times F_r) + (0.83 \times K \times F_a)$$

3. If the thrust load (Fa) is greater than FIR then calculate the equivalent radial load as follows:

$$P = (0.4 \times F_r) + (K \times F_a)$$

4. Calculate the expected L10 life using the single row basic dynamic load rating:

$$L10 = \left(\frac{\text{single row load rating}}{P} \right)^{10/3} \times \frac{3000 \times 500}{n}$$

Table No. 2 - Sealmaster RPB and Browning E920 Tapered Roller Bearing Load Ratings

Bore Size		Radial Rating (pounds)		(1) Thrust Rating (pounds)	Factor K	Allowable Thrust on Pillow Block Housing	
inch	mm	2 Row	1 Row			2 Bolt Base	4 Bolt Base
1 3/16 - 1 1/4	-	2975	1710	1390	1.23	960	-
1 3/8 - 1 7/16	35	4760	2740	2080	1.31	1600	-
1 1/2 - 1 11/16	40	6140	3530	2600	1.36	1580	-
1 3/4 - 2	45 - 50	8070	4640	2540	1.83	2500	-
2 3/16	55	8570	4910	2980	1.65	2360	-
2 1/4 - 2 1/2	60 - 65	9030	5220	3470	1.51	2350	5700
2 11/16 - 3	70 - 75	9630	5510	4260	1.30	3340	5700
3 3/16 - 3 1/2	80 - 95	15320	8790	7410	1.19	4450	10980
3 15/16 - 4	100 - 105	20980	12100	9800	1.23	-	7250
4 7/16 - 4 1/2	110 - 115	25750	14800	13100	1.13	-	6680
4 15/16 - 4 1/2	120 - 125	35520	20400	16000	1.27	-	9000

(1) For thrust load pillow block applications, the bearing thrust rating must be compared to the allowable thrust load capacity of the housing. In a number of sizes, the allowable thrust capacity of the pillow block is less than the thrust rating of the bearing. When this circumstance exists, do not exceed the pillow block housing thrust capacity. In thrust applications utilizing flange or piloted flange housings, please contact application engineering for allowable housing thrust limits.

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Load Ratings and Life Continued

Combined Load – Double Row Spherical Roller Bearings

1. Calculate Fa/Fr and compare the value to the "e" value found in following tables. Fa/Fr must be less than 1.

2. Choose values for "X" and "Y" from Table 3.

Table No. 3 - Sealmaster USRB Spherical Roller Bearing Load Ratings

Bore Size (inch)	Basic Dynamic Rating	Basic Static Rating		$F_a/F_r \le e$		$F_a/F_r > e$		Combined Static Load Factors	
	C (lb)	C_o (lb)	e	X	Y	X	Y	X_o	Y_o
1 1/8 - 1 1/2	20368	23609	.34	1.0	2.0	0.67	2.9	1.0	1.9
1 11/16 - 1 3/4	22689	28021	.32	1.0	2.1	0.67	3.2	1.0	2.1
1 15/16 - 2	23520	29918	.31	1.0	2.2	0.67	3.2	1.0	2.1
2 3/16	28087	34981	.30	1.0	2.3	0.67	3.4	1.0	2.2
2 7/16 - 2 1/2	44691	59535	.31	1.0	2.2	0.67	3.3	1.0	2.2
2 11/16 - 3	47447	65610	.29	1.0	2.3	0.67	3.4	1.0	2.3
3 3/16 - 3 /12	72640	105628	.29	1.0	2.3	0.67	3.5	1.0	2.3
3 11/16 - 4	96050	136151	.30	1.0	2.3	0.67	3.4	1.0	2.2
4 7/16 - 4 1/2	111537	161283	.30	1.0	2.3	0.67	3.4	1.0	2.2
4 15/16 - 5	158816	247307	.32	1.0	2.1	0.67	3.2	1.0	2.1
5 7/16	196682	290447	.33	1.0	2.0	0.67	3.0	1.0	2.0
5 15/16	261346	390391	.35	1.0	1.9	0.67	2.9	1.0	1.9
6 7/16 - 7	334229	498544	.35	1.0	1.9	0.67	2.9	1.0	1.9
7 1/2 - 8	363818	587106	.35	1.0	1.9	0.67	2.9	1.0	1.9

3. Calculate equivalent load using the following equation:

$$P = XFr + YFa$$

4. Calculate the L10 life using the life equation on page I-48.

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Load Ratings and Life Continued

Variable Load Formula

Root mean load (RML) is to be used when a number of varying loads are applied to a bearing for varying time limits. Maximum loading still must be considered for bearing size selection.

$$RML^{*} = \sqrt[10/3]{\frac{(L_1^{10/3}N_1)+(L_2^{10/3}N_2)+(L_3^{10/3}N_3)}{100}}$$

Where,
RML = Root Mean Load (lbs.)
L1, L2, etc. = Load in pounds
N1, N2, etc. = Percent of total time operated at loads L1, L2, etc.

* Apply RML to rating at mean speed to determine resultant life.

Mean Speed Formula

The following formula is to be used when operating speed varies over time.

$$\text{Mean Speed} = \frac{S_1N_1+S_2N_2+S_3N_3}{100}$$

S_1S_2, etc = Speeds in RPM
N_1N_2, etc = Percentage of total time operated at speeds S_1S_2, etc

Bearing Life In Oscillating Applications

The equivalent rotative speed (ERS) is used in life calculations when the bearing does not make complete revolutions during operation. The ERS is then used as the bearing operating speed in the calculation of the L10 (Rating) Life. The formula is based on sufficient angular rotation to have roller paths overlap.

ERS = Equivalent Rotative Speed
N = Total number of degrees per minute through which the bearing will rotate.

$$ERS = \frac{N}{360}$$

In the above formula, allowance is made for the total number of stress applications on the weakest race per unit time, which, in turn, determines fatigue life and the speed factors. The theory behind fretting corrosion is best explained by the fact that the rolling elements in small angles of oscillation retrace a path over an unchanging area of the inner or outer races where the lubricant is prevented by inertia from flowing in behind the roller as the bearing oscillates in one direction. Upon reversal, this small area of rolling contact is traversed by the same roller in the dry state. The friction of the two unlubricated surfaces causes fretting corrosion and produces failures which are unpredictable from a normal life standpoint.

With a given bearing selected for an oscillating application, the best lubrication means is a light mineral oil under positive flow conditions. With a light oil, there is a tendency for all areas in the bearing load zone to be immersed in lubricant at all times. The full flow lubrication dictates that any oxidized material which may form is immediately carried away by the lubricant, and since these oxides are abrasive, further wear tends to be avoided. If grease lubrication must be used, it is best to consult with either the bearing manufacturer or the lubricant manufacturer to determine the best possible type of lubricant. Greases have been compounded to resist the detrimental effect of fretting corrosion for such applications.

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Load Ratings and Life Continued

Static Load Rating

The “static load rating” for rolling element bearings is that uniformly distributed static radial load acting on a non-rotating bearing, which produces a contact stress of 580,000 psi at the center of the most heavily loaded rolling element. At this stress level, plastic deformation begins to be significant. Experience has shown that the plastic deformation at this stress level can be tolerated in most bearing applications without impairment of subsequent bearing operation. In certain applications where subsequent rotation of the bearing is slow and where smoothness and friction requirements are not too exacting, a higher static load limit can be tolerated. Where extreme smoothness is required or friction requirements are critical, a lower static load limit may be necessary.

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Load Ratings and Life Continued

Minimum Bearing Load:

Skidding, or sliding, of the rolling elements on the raceway instead of a true rolling motion can cause excessive wear. Applications with high speeds and light loading are particularly prone to skidding. As a general guideline, rolling element bearings should be radially loaded at least 2% of Basic Dynamic Rating for roller bearings. For applications where load is light relative to the bearings dynamic load rating, consult Application Engineering for assistance.

Computing Bearing Loads

In the computation of bearing loads in any application of an Regal Power Transmission Solutions unit, the principal factor determining the selection of the unit is the equivalent radial load to which the bearing will be subjected. These radial loads result from any one or any combination of the following sources:

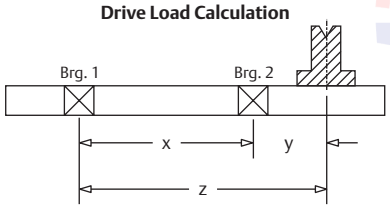
1. Weights of machine parts supported by bearings.
2. Tension due to belt or chain pull.
3. Centrifugal force from out of balance, eccentric or cam action.

The resulting load from any one, or any combination of the above sources is further determined by knowing:

1. The magnitude of the load.
2. Direction of the load.
3. The point of load application.
4. The distance between bearing centers.

Bearing loads are the result of force acting on the shaft. Direction, magnitude, and location with respect to the bearings must be considered when calculating bearing loads. The following cases are typical examples of loads encountered and methods of calculating bearing loads.

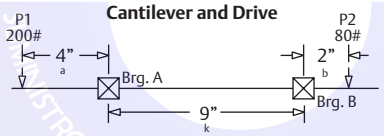
CASE #1
Drive Load Calculation



$$P = \frac{126{,}000 \times HP}{RPM \times d} \times K$$ = Apply P to Case 2, 3 or 4 if applicable

HP = horsepower
RPM = revolutions per minute
d = pitch of pulley in inches
K = constant for type of drive used
K = 1.5 for V-belts
K = 2 to 3 for flat transmission belts
K = 1.1 for chain drives

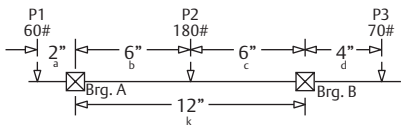
CASE #2
Cantilever and Drive



$$\text{Load on Bearing A} = \frac{P_1 \times (a + k) - (P_2 \times b)}{k}$$
$$= \frac{200 \times (4 + 9) - (80 \times 2)}{9}$$
$$= 271 \text{ lbs.}$$

$$\text{Load on Bearing B} = \frac{P_2 \times (k + b) - (P_1 \times a)}{k}$$
$$= \frac{80 \times (9 + 2) - (200 \times 4)}{9}$$
$$= 9 \text{ lbs.}$$

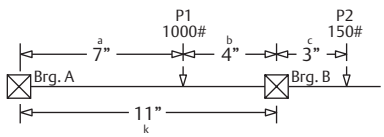
CASE #3
Straddle, Cantilever Drive



$$\text{Load on Bearing A} = \frac{P_1 \times (k + a) + (P_2 \times c) - (P_3 \times d)}{k}$$
$$= \frac{60 \times (12 + 2) + (180 \times 6) - (70 \times 4)}{12}$$
$$= 137 \text{ lbs.}$$

$$\text{Load on Bearing B} = \frac{-(P_1 \times a) + (P_2 + b) + P_3 \times (k + d)}{k}$$
$$= \frac{-(60 \times 2) + (180 \times 6) + 70 \times (12 + 4)}{12}$$
$$= 173 \text{ lbs.}$$

CASE #4
Straddle Mount, Cantilever Drive



$$\text{Load on Bearing A} = \frac{(P_1 \times b) - (P_2 \times c)}{k}$$
$$= \frac{(1000 \times 4) - (150 \times 3)}{11}$$
$$= 323 \text{ lbs.}$$

$$\text{Load on Bearing B} = \frac{(P_1 \times a) + (c + k) \times (P_2)}{k}$$
$$= \frac{(1000 \times 7) + (3 + 11) \times (150)}{11}$$
$$= 827 \text{ lbs.}$$

CASE #5
Vibrating Drives

Load due to Centrifugal and Inertial Forces - In a shaker or gyrating screen bearing application, the load on the bearings is increased by sudden stopping, starting, and reversing of typically large loads. This can be expressed as a basic physical law:

Force = Mass x Accelerations

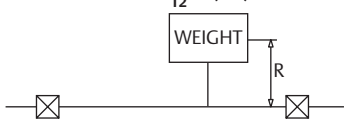
In order to use this law, we develop from it the following equation:

$$F = .000341 \times WR(RPM)^2$$

Where: F = Load of force in lbs.
W = Weight of rotating mass in lbs.
R = Radius of rotation or throw in feet
RPM = Shaft rotation in revolutions per minute

What is the centrifugal bearing load on a shaker screen which weighs 2,500 lbs., has a throw of 1/4 in. and whose shaft speed is 500 RPM?

$$F = .000341 \times 2{,}500 \times \frac{.250}{12} \times (500)^2 = 4{,}440 \text{ lbs.}$$



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Load Ratings and Life Continued

Mounted Roller Bearing Selection - New Applications:

Using variations of the life formulas and application information, it is possible to select bearings based on desired life, load applied, and shaft speed. **This method is applicable only when thrust load is less than or equal to 1/2 the radial load.**

1. Determine required application hours (Lna).

2. Calculate L10 using adjustment factors:

$$L10 = \frac{L_a}{a_1 \times a_2 \times a_3}$$

3. Calculate Basic Dynamic Radial Rating (Creq).

$$Creq = P \times \left(\frac{L10 \times N}{3{,}000 \times 500} \right)^{3/10}$$

P = Constant Equivalent Radial Load (lbs)
N = Speed (RPM)

4. Use Table 2 on page I-49, find a basic Dynamic Radial Rating Value greater than or equal to Creq calculated in step # 3.

5. Select any bearing from the row in step # 4 or larger.

6. Proceed with housing, seal, and lock selection pages I-3 to I-5.

Typical operating temperature range for standard bearings is -20° to 200° F for Browning and -20°F to 220°F for Sealmaster Gold. For operating temperatures outside this range, contact Application Engineering. For Maximum speed information, see tables on page I-58.

Application Examples:

Question #1:
What is the bearing life (L_{10} hours) for an RPB207-2 Tapered Roller Bearing with no shock conditions and the following application criteria?

Design Radial Load (P) = 5,000 lbs.
Speed (n) = 100 RPM
Shaft Size = 2 7/16"
Operating Temperature = 125°F

Solution:
1. Begin with the L_{10} life formula:

$$L_{10} = (C/P)^{10/3} \times \frac{500 \times 3{,}000}{n}$$

2. RPB207-2 has 2 7/16" shaft size. From Table 2 on page I-49, the radial rating is 9,030 lbs.

$$L_{10} \text{ hrs.} = \left(\frac{9{,}030}{5{,}000} \right)^{10/3} \times \frac{500 \times 3{,}000}{100} = 107{,}601$$

Question #2:
What is the bearing life (L_{10} hours) for an USRB5000-207 Spherical Roller Bearing with no shock conditions and the same application criteria?

Solution:
1. Begin with the L_{10} life formula:

$$L_{10} = (C/P)^{10/3} \times \frac{16{,}667}{n}$$

2. USRB5000-207 has 2 7/16" shaft size. From Table 3 on page I-50, the radial rating is 44,691 lbs.

$$L_{10} \text{ hrs.} = \left(\frac{44{,}691}{5{,}000} \right)^{10/3} \times \frac{16{,}667}{100} = 246{,}997$$

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Load Ratings and Life Continued

Combined Radial and Thrust Load Application Examples:

Question #1:
What is the bearing life (L_{10} hours) for an RPB207-2 Tapered Roller Bearing with no shock conditions and the following application criteria?

Design Radial Load (Fr) = 5,000 lbs.
Design Thrust Load (Fa) = 1,000 lbs.
Speed (n) = 100 RPM
Shaft Size = 2 7/16"
Operating Temperature = 125°F

Solution:
1. Find the K factor value from Table 2 on page I-49, K = 1.51

2. Calculate the internal thrust reaction (FIR):

$$FIR = \frac{0.6 \times F_r}{K}$$ - applied radial load
- factor K in Table No. 2

$$FIR = \frac{0.6 \times 5000}{1.51} = 1{,}987 \text{ lbs.}$$

3. Since the thrust load is less than the internal thrust reaction (FIR) use the following formula from page I-49 to calculate the equivalent radial load:

$$P = (0.5 \times F_r) + (.83 \times K \times F_a)$$
$$P = (0.5 \times 5000) + (.83 \times 1.51 \times 1000) = 3{,}753 \text{ lbs.}$$

4. Calculate the expected L_{10} life using the single row rating. Single row rating = 5,220 lbs. This is found in Table 2 on page I-49.

$$L_{10} = \left(\frac{\text{single row load rating}}{P}\right)^{10/3} \times \frac{500 \times 3000}{n}$$

$$L_{10} = \left(\frac{5{,}220}{3{,}753}\right)^{10/3} \times \frac{500 \times 3000}{100} = 45{,}054 \text{ hrs.}$$

Question #2:
What is the bearing life (L_{10} hours) for an USRB5000-207 Spherical Roller Bearing with no shock conditions and the same application criteria?

Solution:
1. Calculate Fa/Fr and compare the value to the "e" value found in Table 3 on page I-50.

Fa/Fr = 1,000/5,000 = .20

2. Choose values for "x" and "y" based on Step 1 above from Table 3 on page I-50.

3. Calculate the equivalent load.

$$P = (x\,Fr) + (y\,Fa)$$
$$= (1 \times 5{,}000) + (2.2 \times 1000)$$
$$= 7{,}200 \text{ lbs.}$$

4. Calculate the expected L_{10} life using the rating from the equation on page I-48.

$$L_{10} = (C/P)^{10/3} \times \frac{16{,}667}{n}$$
$$= \left(\frac{44{,}691}{7{,}200}\right)^{10/3} \times \frac{16{,}667}{100}$$
$$= 73{,}251 \text{ hrs.}$$

Shock Load Considerations

Question #3:
What is the bearing life (L_{10} hours) for the bearing in Question #1 and #2 with moderate shock conditions and the same application criteria from above?

Solution:
1. Calculate the Adjusted Rate Life

$$Lna = a_1 \times a_2 \times a_3 \times L_{10}$$

2. (a_1) = Life Adjustment Factor for Reliability = 1.0

3. (a_2) = Life Adjustment Factor for Operating Conditions = 1.0

4. (a_3) = For moderate shock (from mounted Roller Bearing Shock Vibration Factors Table on page I-48) = 0.5

RPB207-2 Tapered Roller Bearing:
L_{10} = .5 x 45,054 = 22,527 hrs.

USRB5000-207 Spherical Roller Bearing:
L_{10} = .5 x 73,251 = 36,626 hrs.

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Table 4 - Sealmaster RPB and Browning E920 Tapered Roller Bearing Load / Speed Chart

Bore Size		"K" Factor	Basic Dynamic Rating		Thrust Rating	Revolutions Per Minute														
			Double Row	Single Row*		Hours	50	100	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4000
inch	mm		lb/N	lb/N	lb/N															
1 3/16 1 1/4	-	1.23	2975 13233	1710 7006	1390 6183	5000	3360	3360	3360	3142	2552	2260	2073	1836	1753	1684	1575	1491	1424	1368
						10000	3360	3360	2975	2552	2073	1836	1684	1491	1424	1368	1279	1211	1156	1111
						30000	2975	2416	2140	1836	1491	1320	1211	1072	1024	984	920	871	832	799
						50000	2552	2073	1836	1575	1279	1133	1039	920	878	844	789	747	714	685
						100000	2073	1684	1491	1279	1039	920	844	747	714	685	641	607	580	556
1 3/8 1 7/16	35	1.31	4760 21174	2740 12188	2080 9252	5000	5376	5376	5376	5028	4084	3616	3317	2937	2804	2694	2520	2386	2278	-
						10000	5376	5376	4760	4084	3317	2937	2694	2386	2278	2188	2047	1938	1850	-
						30000	4760	3866	3424	2937	2386	2112	1938	1716	1638	1574	1472	1394	1331	-
						50000	4084	3317	2937	2520	2047	1812	1662	1472	1406	1350	1263	1196	1142	-
						100000	3317	26741	2386	2047	1662	1472	1350	1196	1142	1097	1026	971	927	-
1 1/2 1 11/16	40	1.36	6140 27312	3530 15702	2600 11565	5000	6934	6934	6934	6485	5268	4664	4279	3789	3617	3475	3250	3077	-	-
						10000	6934	6934	6140	5268	4279	3789	3475	3077	2938	2823	2640	2500	-	-
						30000	6140	4987	4416	3789	3077	2725	2500	2213	2113	2030	1899	1798	-	-
						50000	5268	4279	3789	3250	2640	2338	2144	1899	1813	1742	1629	1542	-	-
						100000	4279	3475	3077	2640	2144	1899	1742	1542	1473	1415	1323	1253	-	-
1 3/4 1 15/16 2	45 50	1.83	8070 35897	4640 20640	2540 11298	5000	9114	9114	9114	8524	6923	6130	5624	4979	4754	4568	4272	-	-	-
						10000	9114	9114	8070	6923	5624	4979	4568	4045	3862	3710	3470	-	-	-
						30000	8070	6555	5804	4979	4045	3581	3285	2909	2777	2668	2496	-	-	-
						50000	6923	5624	4979	4272	3470	3072	2818	2496	2383	2289	2141	-	-	-
						100000	5624	4568	4045	3470	2818	2496	2289	2027	1935	1859	1739	-	-	-
2 3/16	55	1.65	8570 38121	4910 21841	2980 13256	5000	9679	9679	9679	9052	7352	6510	5972	5288	5049	4851	4537	-	-	-
						10000	9679	9679	8570	7352	5972	5288	4851	4295	4101	3940	3685	-	-	-
						30000	8570	6961	9194	5288	4295	3803	3489	3089	2950	2834	2650	-	-	-
						50000	7352	5972	5288	4537	3685	3263	2993	2650	2530	2431	2274	-	-	-
						100000	5972	4851	4295	3685	2993	2650	2431	2153	2055	1975	1847	-	-	-
2 1/4 2 7/16 2 1/2	60 65	1.51	9030 40167	5220 23220	3470 15435	5000	10198	10198	10198	9538	7747	6860	6293	5572	5320	5111	-	-	-	-
						10000	10198	10198	9030	7747	6293	5572	5111	4526	4321	4152	-	-	-	-
						30000	9030	7335	6495	5572	4526	4007	3676	3255	3108	2986	-	-	-	-
						50000	7747	6293	5572	4780	3883	3438	3154	2793	2666	2562	-	-	-	-
						100000	6293	5111	4526	3883	3154	2793	2562	2268	2166	2081	-	-	-	-
2 11/16 2 15/16 3	70 75	1.30	9630 42836	5510 24510	4260 18949	5000	10876	10876	10876	10171	8262	7316	6711	5942	5674	-	-	-	-	-
						10000	10876	10876	9630	8262	6711	5942	5451	4826	4608	-	-	-	-	-
						30000	9360	7822	6926	5942	4826	4274	3920	3471	3314	-	-	-	-	-
						50000	8262	6711	5942	5098	4141	3666	3363	2978	2843	-	-	-	-	-
						100000	6711	5451	4826	4141	3363	2978	2732	2419	2310	-	-	-	-	-
3 3/16 3 7/16 3 1/2	80 85 90 95	1.19	15320 68147	8790 39100	4710 20951	5000	17302	17302	17302	16181	13143	11638	10676	9453	-	-	-	-	-	-
						10000	17302	17302	15320	13143	10676	9453	8671	7678	-	-	-	-	-	-
						30000	15320	12444	11018	9453	7678	6799	6273	5522	-	-	-	-	-	-
						50000	13143	10676	9453	8110	6587	5833	5351	4738	-	-	-	-	-	-
						100000	10676	8671	7678	6587	5351	4738	4346	3848	-	-	-	-	-	-
3 15/16 4	100 105	1.23	20980 93324	12100 53823	9800 43593	5000	23694	23694	23694	22159	17999	15938	14620	12945	-	-	-	-	-	-
						10000	23694	23694	20980	17999	14620	12945	11875	10515	-	-	-	-	-	-
						30000	20980	17041	15089	12945	10515	9311	5841	7563	-	-	-	-	-	-
						50000	17999	14620	12945	11106	9021	7988	7327	6488	-	-	-	-	-	-
						100000	14620	11875	10515	9021	7327	6488	5952	5270	-	-	-	-	-	-
4 7/16 4 1/2	110 115	1.13	25750 114542	14800 65834	13100 58272	5000	29081	29081	29081	27198	22091	19561	17944	-	-	-	-	-	-	-
						10000	29081	29081	25750	22091	17944	15889	14575	-	-	-	-	-	-	-
						30000	25750	20915	18520	15889	12906	11427	10483	-	-	-	-	-	-	-
						50000	22091	17944	15889	13631	11072	9804	8993	-	-	-	-	-	-	-
						100000	17944	14575	12906	11072	8993	7963	7305	-	-	-	-	-	-	-
4 15/16 5	120 125	1.27	35520 158001	20400 90744	16000 71172	5000	40114	40114	40114	37517	30473	26983	24752	-	-	-	-	-	-	-
						10000	40114	40114	35520	30473	24752	21917	20105	-	-	-	-	-	-	-
						30000	35520	28851	25547	21917	17802	15763	14460	-	-	-	-	-	-	-
						50000	30473	24752	21917	18803	15273	13524	12405	-	-	-	-	-	-	-
						100000	24752	20105	17802	15273	12405	10985	10076	-	-	-	-	-	-	-

This chart displays the Sealmaster RPB and Browning E920 Series Tapered Roller Bearings load capacity for a given L10 life speed and shaft size. Values in the table represent load at ideal conditions. The shaded areas indicate maximum speed for the Sealmaster RPB series only. For combined load determination, see the Bearing Selection section on page I-49. Areas designated by "-" exceed maximum speed value.

*Single Row Basic Dynamic Rating required for determining combined loads as shown on page I-49.

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Table 5 - Sealmaster USRB Spherical Roller Bearing Load / Speed Chart

Series	Bore Size	L_{10} Hours	Revolutions per Minute													
			50	100	150	250	500	750	1000	1500	1750	2000	2500	3000	3500	4000
107	1 1/8 1 3/16 1 1/4 1 3/8 1 7/16 1 1/2	5000 10000 30000 50000 100000	9039 7342 5281 4530 3680	7342 5964 4289 3680 2989	6501 5281 3798 3258 2647	5577 4530 3258 2795 2271	4530 3680 2647 2271 1844	4011 3258 2343 2010 1633	3680 2989 2150 1844 1498	3258 2647 1903 1633 1326	3111 2527 1817 1559 1266	2989 2428 1746 1498 1217	2795 2271 1633 1401 1138	2647 2150 1546 1326 1077	2527 2053 1476 1266 1029	2428 1972 1418 1217 988
111	1 11/16 1 3/4	5000 10000 30000 50000 100000	10069 8179 5882 5046 4099	8179 6643 4778 4099 3329	7242 5882 4231 3630 2948	6213 5046 3630 3114 2529	5046 4099 2948 2529 2054	4468 3630 2610 2240 1819	4099 3329 2395 2054 1669	3630 2948 2120 1819 1478	3465 2815 2025 1737 1411	3329 2704 1945 1669 1355	3114 2529 1819 1561 1268	2948 2395 1722 1478 1200	2815 2286 1644 1411 1146	2704 2197 1580 1355 1101
115	1 15/16 2	5000 10000 30000 50000 100000	10438 8478 6098 5231 4249	8478 6886 4953 4249 3451	7507 6098 4386 3762 3056	6441 5231 3762 3228 2622	5231 4249 3056 2622 2130	4632 3762 2706 2322 1886	4249 3451 2482 2130 1730	3762 3056 2198 1886 1532	3592 2918 2099 1800 1462	3451 2803 2016 1730 1405	3228 2622 1886 1618 1314	3056 2482 1785 1532 1244	2918 2370 1705 1462 1188	2803 2277 1638 1405 1141
203	2 3/16	5000 10000 30000 50000 100000	12465 10124 7282 6247 5074	10124 8224 5915 5074 4122	8965 7282 5237 4493 3650	7691 6247 4493 3855 3131	6247 5074 3650 3131 2543	5532 4493 3232 2772 2252	5074 4122 2964 2543 2066	4493 3650 2625 2252 1829	4290 3485 2506 2150 1746	4122 3348 2408 2066 1678	3855 3131 2252 1932 1569	3650 2964 2132 1829 1486	3485 2830 2036 1746 1419	3348 2719 1956 1678 1363
207	2 7/16 2 1/2	5000 10000 30000 50000 100000	19833 16110 11586 9940 8074	16110 13085 9411 8074 6558	14265 11586 8333 7149 5807	12238 9940 7149 6133 4982	9940 8074 5807 4982 4047	8802 7149 5142 4411 3583	8074 6558 4717 4047 3287	7149 5807 4177 3583 2910	6826 5545 3988 3421 2779	6558 5327 3831 3287 2670	6133 4982 3583 3074 2497	5807 4717 3392 2910 2364	5545 4504 3239 2778 2257	- - - - -
215	2 11/16 2 3/4 2 15/16 3	5000 10000 30000 50000 100000	21056 17103 12301 10553 8572	17103 13892 9991 8572 6962	15144 12301 8847 7590 6165	12992 10553 7590 6512 5289	10553 8572 6165 5289 4296	9344 7590 5459 4683 3804	8572 6962 5008 4296 3489	7590 6165 4434 3804 3090	7247 5886 4234 3632 2950	6962 5655 4067 3489 2834	6512 5289 3804 3264 2651	6165 5008 3602 3090 2510	- - - - -	- - - - -
307	3 3/16 3 7/16 3 1/2	5000 10000 30000 50000 100000	32237 26184 18832 16157 13123	26184 21268 15297 13123 10659	23185 18832 13545 11620 9439	19891 16157 11620 9969 8098	16157 13123 9439 8098 6577	14306 11620 8358 7170 5824	13123 10659 7666 6577 5342	11620 9439 6788 5824 4730	11095 9012 6482 5561 4517	10659 8658 6227 5342 4339	9969 8098 5824 4996 4058	- - - - -	- - - - -	- - - - -
315	3 11/16 3 15/16 4	5000 10000 30000 50000 100000	42626 34623 24902 21364 17353	34623 28123 20226 17353 14095	30657 24902 17910 15365 12480	26302 21364 15365 13182 10707	21364 17353 12480 10707 8697	18917 15365 11051 9481 7701	17353 14095 10137 8697 7064	15365 12480 8976 7701 6255	14671 11916 8571 7353 5972	14095 11448 8234 7064 5738	13182 10707 7701 6607 5366	- - - - -	- - - - -	- - - - -
407	4 7/16 4 1/2	5000 10000 30000 50000 100000	49499 40205 28917 24808 20150	40205 32657 23488 20150 16367	35601 28917 20798 17843 14493	30542 24808 17843 15307 12434	24808 20150 14493 12434 10099	21967 17843 12833 11009 8942	20150 16367 11772 10099 8203	17843 14493 10423 8942 7264	17036 13838 9952 8538 6935	16367 13294 9562 8203 6663	- - - - -	- - - - -	- - - - -	- - - - -
415	4 15/16 5	5000 10000 30000 50000 100000	70481 57248 41174 35324 28692	57248 46500 33444 28692 23305	50691 41174 29613 25406 20636	43489 35324 25406 21796 17704	35324 28692 20636 17704 14380	31278 25406 18272 15676 12733	28692 23305 16762 14380 11680	25406 20636 14842 12733 10342	24258 19703 14171 12158 9875	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
507	5 7/16 5 1/2	5000 10000 30000 50000 100000	87285 70897 50991 43746 35533	70897 57587 41418 35533 28862	62777 50991 36674 31463 25556	53858 43746 31463 26993 21925	43746 35533 25556 21925 17809	38736 31463 22629 19414 15769	35533 28862 20758 17809 14465	31463 25556 18381 15769 12808	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
515	5 15/16	5000 10000 30000 50000 100000	115982 94207 67756 58129 47215	94207 76520 55035 47215 38351	83417 67756 48731 41808 33958	71565 58129 41808 35867 29133	58129 47215 33958 29133 23664	51471 41808 30069 25797 20953	47215 38351 27583 23664 19221	41808 33958 24424 20953 17019	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
615	6 7/16 6 1/2 6 15/16 7	5000 10000 30000 50000 100000	143889 116874 84059 72115 58576	116874 94931 68277 58576 47578	103488 84059 60457 51867 42129	88784 72115 51867 44498 36143	72115 58576 42129 36143 29357	63856 51867 37304 32004 25995	58576 47578 34219 29357 23846	51867 42129 30300 25995 21115	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
708	7 1/2 7 15/16 8	5000 10000 30000 50000 100000	161458 131145 94322 80921 65728	131145 106523 76613 65728 53388	116124 94322 67839 58200 47273	99625 80921 58200 49931 40556	80921 65728 47273 40556 32942	71653 58200 41859 35911 29169	65728 53388 38398 32942 26757	58200 47273 34000 29169 23693	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -

This chart displays the Sealmaster Unitized Spherical Roller Bearing (USRB) load capacity for a given L10 life, speed and shaft size. Values in the Table represent estimated load at ideal conditions. The shaded areas indicate maximum speed for USRB felt seals. For combined load determination, see the Bearing Selection section on page I-50. Areas designated by "—" exceed maximum speed value. For actual maximum speed limits see table on page I-58.

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Speed Limit Tables

Table 6 - Sealmaster RPB Tapered Roller Bearing Maximum Speed Rating

Maximum Operational Speed*		
Bore Size		Speed (RPM)
inch	mm	
1 3/16 - 1 1/4	-	4000
1 3/8 - 1 7/16	35	3500
1 1/2 - 1 11/16	40	3000
1 3/4 - 2 3/16	45 - 50	2500
2 1/4 - 2 1/2	60 - 65	2000
2 11/16 - 3	70 - 75	1750
3 3/16 - 3 1/2	80 - 95	1500
3 15/16 - 4 1/2	100 - 115	1250
4 15/16 - 5	120 - 125	1000

* Tapered Roller Bearing maximum speeds are not limited by seals, value listed is for all seal designs.

Table 7 - Browning E920 Tapered Roller Bearing Maximum Speed Rating

Maximum Operational Speed	
Bore Size	Speed (RPM)
inch	
1 3/16 - 1 1/4	3500
1 3/8 - 1 7/16	3000
1 1/2 - 1 11/16	2500
1 3/4 - 2 3/16	2000
2 1/4 - 2 1/2	1750
2 11/16 - 3	1500
3 3/16 - 4	1000
4 7/16 - 5	750

Table 8 - Sealmaster USRB Spherical Roller Bearing Maximum Speed Rating

Maximum Operational Speed		
Bore Size	Felt Seal (RPM)	Contact Seal (RPM)
inch		
1 1/8 - 1 1/2	4000	3000
1 11/16 - 1 3/4	4000	2750
1 15/16 - 2	4000	2500
2 3/16	3750	2200
2 7/16 - 2 1/2	3250	1750
2 11/16 - 3	3000	1600
3 3/16 - 3 1/2	2500	1350
3 11/16 - 4	2250	1200
4 7/16 - 4 1/2	2000	1100
4 15/16 - 5	1750	900

Values in these tables represent speeds at ideal conditions. Other application factors may reduce the speed rating of a bearing. Seal limits evaluated at a load of c/10.

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Sealmaster RPB Tapered Roller Bearing Installation

Mounting Lock Collar Units:

NOTICE

• These bearings are designed for maximum permissible static misalignment of ± 3 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 3 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table I, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

Table I

Recommended Shaft Tolerances	
Nominal Bore Diameter	Tolerance (inch)
1 3/16 - 2	+0.000 / -0.0005
2 3/16 - 4	+0.000 / -0.001
4 7/16 - 5	+0.000 / -0.0015

Step 2: Check Support Surfaces

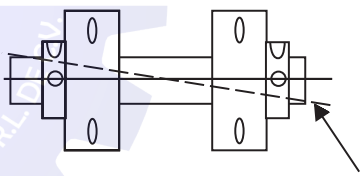
Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.

Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible. Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



Step 5: Position Insert

If expansion units are used, the insert must be located in the housing to allow for axial shaft expansion and/or contraction. Position bearing insert to obtain the required axial expansion in desired directions. It may be necessary to unload the bearing while moving the assembly.

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Installation Instructions continued

Step 6: Tighten Setscrews

Setscrews in multiple bearing applications should be aligned as shown in Figure 1.

Tighten bearing units to the shaft as follows:

a) Torque the first setscrew to one half of the recommended torque in Table II.

b) Torque the second setscrew to the full recommended torque. Go back to the first setscrew and tighten to the full recommended torque.

If the bearing unit has two lock collars, repeat the same procedure for the second lock collar. Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

Figure 1

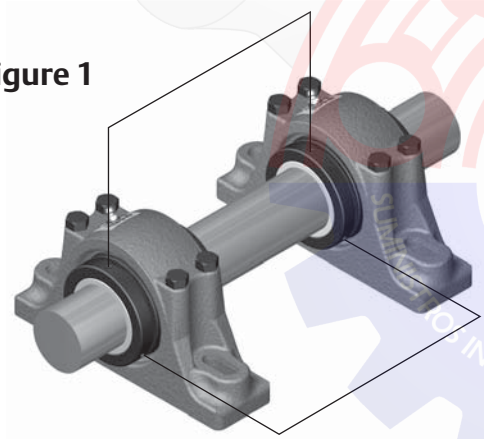


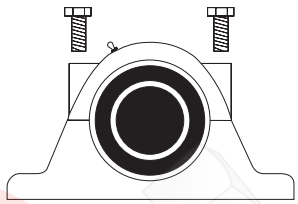
Table II

Lock Collar Setscrew Torque			
Bore Size		Hex Size	Foot-Pounds
inch	mm		
1 3/16 - 1 11/16	35 - 40	5/32	12
1 3/4 - 2 1/2	45 - 65	3/16	19
2 11/16 - 3 1/2	70 - 95	1/4	43
3 15/16 - 4	100 - 105	5/16	83
4 7/16 - 5	110 - 125	3/8	155

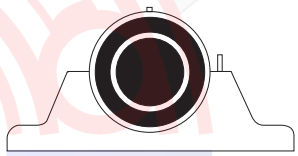
Replacing Existing Sealmaster Inserts:

Note: Replacement Sealmaster bearing inserts are intended for use in Sealmaster housings only.

Step 1: Remove Housing Cap Bolts



Step 2: Remove Top Half of Housing



Step 3: Remove Bearing from Shaft

Loosen the setscrews and slide the bearing off the shaft.

Step 4: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table I, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Also be sure to inspect the housing for damages. Wipe housing bore clean as necessary and check that the lubrication hole is clean and free of debris.

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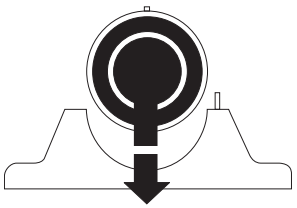
Installation Instructions continued

Step 5: Load New Insert

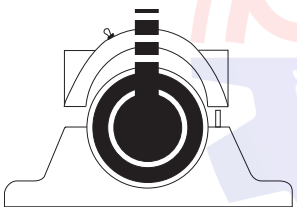
Slide bearing onto shaft and seat the bearing in the housing base.



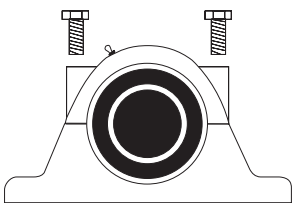
Step 6: Install Top Half of Housing

Check to assure that the rubber grommet is properly seated in the lube hole in the top half of the housing. Position the insert so that the lock pin lines up with the lock pin slot in the top half of the housing. Be sure that the lock pin is not positioned in the lube hole.

Be sure to check the bearing inserts for proper alignment. Align the bearings.



Install the top half of the housing. Tighten down the cap bolts to the recommended torque in Tables III, IV, V, or VI, based on the housing type. Rotate the shaft by hand to check for freedom of rotation.



Step 7: Refer to Steps 5 and 6 from the Previous Installation Section

Table III

Pillow Block Housing		
Bore Size		Housing Cap Tightening Torque (Foot-Pounds)
inch	mm	
1 3/16 - 1 1/4	-	17
1 3/8 - 2 3/16	35 - 55	30
2 1/4 - 3	60 - 75	75
3 3/16 - 4 1/2	80 - 115	265
4 15/16 - 5	120 - 125	390

Table IV

Flange Bearing Housing		
Bore Size		Housing Cap Tightening Torque (Foot-Pounds)
inch	mm	
1 3/16 - 2	35 - 50	30
2 3/16 - 3	55 - 75	75
3 3/16 - 4	80 - 105	150

Table V

Piloted Flange Housing			
Bore Size		Outside Bolts Tightening Torque (Foot-Pounds)	Inside Bolts Tightening Torque (Foot-Pounds)
inch	mm		
1 3/16 - 2	35 - 50	17	4
2 3/16 - 3	55 - 75	50	8
3 3/16 - 4	80 - 105	75	17
4 7/16 - 5	110 - 125	150	75

Table VI

Expansion Pillow Block Housing		
Bore Size		Housing Cap Tightening Torque (Foot-Pounds)
inch	mm	
1 3/16 - 1 1/4	-	17
1 3/4 - 2 3/16	35 - 55	30
2 1/4 - 3	60 - 75	75
3 3/16 - 3 1/2	80 - 95	265
3 15/16 - 4 1/2	100 - 115	150
4 15/16 - 5	120 - 125	265

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Sealmaster RPB Tapered Roller Bearing Lubrication:

Pre-Mounting Checklist:

All Sealmaster RPB Mounted Tapered Roller Bearings are delivered with a high quality lithium complex grease with an EP additive. The bearing is ready for use with no initial lubrication required. The grease consists of a lithium complex thickener, mineral oil, and NLGI grade 2 consistency.

Compatibility of grease is critical; therefore consult with Application Engineering and your grease supplier to insure greases are compatible. For best performance it is recommended to relubricate with lithium complex thickened grease with a comparable NLGI consistency and base oil properties.

Relubricatable Sealmaster bearings are supplied with grease fittings or zerks for ease of lubrication with hand or automatic grease guns. Always wipe the fitting and grease nozzle clean.

Caution: If possible, it is recommended to lubricate the bearing while rotating, until grease purge is observed from the seals. If this is not an option due to safety reasons, follow the alternate lubrication procedure below.

Alternate Lubrication Procedure:

Stop rotating equipment. Add one half the recommended amount shown in Table VII. Start the bearing and run for a few minutes. Stop the bearing and add the second half of the recommended amount. A temperature rise after lubrication, sometimes 30°F (17°C), is normal. Bearing should operate at temperatures less than 200°F (94°C) and should not exceed 250° (121°C) for intermittent operation. For lubrication guidelines, see Tables VIII.

Note: Table VIII are general recommendations. Experience and testing may be required for specific applications.

Note: Grease charges in Table VII are based on the use of lithium complex thickened grease with a NLGI grade 2 consistency.

Expansion Bearing Applications:

Before installation, make certain proper expansion is accounted for. Expansion units should be placed in a location where relative movement between the bearing insert and the housing can be tolerated. For most applications using expansion type units, the fixed unit (non-expansion unit) is placed at the drive end of the shaft. Use Table IX to review the total available bearing expansion. If the application requires additional expansion, consult Application Engineering.

Table VII

Grease Charge for Relubrication		
Bore Size		Grease Charge (Mass - Ounces)
inch	mm	
1 3/16 - 1 1/4	-	0.10
1 3/8 - 1 7/16	35	0.20
1 1/2 - 1 11/16	40	0.30
1 3/4 - 2	45 - 50	0.50
2 3/16	55	0.55
2 1/4 - 2 1/2	60 - 65	0.65
2 11/16 - 3	70 - 75	0.85
3 3/16 - 3 1/2	80 - 95	1.25
3 15/16 - 4	100 - 105	2.50
4 7/16 - 4 1/2	110 - 115	3.00
4 15/16 - 5	120 - 125	4.75

Table VIII

Relubrication Recommendations			
Environment	Temperature (°F)	Speed (% Catalog Max)	HI Suffix
Dirty	-20 to 250	0 - 100%	Daily to 1 Week
Clean	-20 to 125	0 - 25%	4 to 10 Months
		26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
	125 to 175	0 - 25%	2 to 6 Weeks
		26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
		76 - 100%	
	175 to 250	0 - 100%	Daily to 1 Week

Table IX

Total Available Pillow Block Housing Expansion			
Bore Size		Expansion	
inch	mm	inch	mm
1 3/16 - 2 3/16	35 - 55	3/16	4.76
2 1/4 - 2 1/2	60 - 65	1/4	6.35
2 11/16 - 3 1/2	70 - 95	5/16	7.94
3 15/16 - 5	100 - 125	3/8	9.53

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Browning E920 Tapered Roller Bearing Installation

Mounting Lock Collar Units:

NOTICE

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table I, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

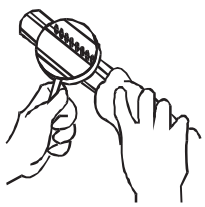


Table I

Recommended Shaft Tolerances	
Nominal Bore Diameter	Tolerance (inch)
1 3/16 - 2	+0.000 / -0.0005
2 3/16 - 4	+0.000 / -0.001
4 7/16 - 5	+0.000 / -0.0015

Step 2: Check Support Surfaces

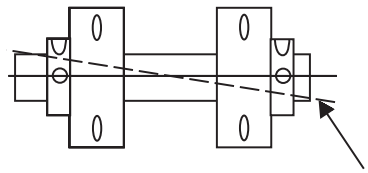
Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.

Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible.
Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



Step 5: Tighten Setscrews

Setscrews in multiple bearing applications should be aligned as shown in Figure 1. Tighten bearing units to the shaft as follows:

a) Torque the first setscrew to one half of the recommended torque in Table II.
b) Torque the second setscrew to the full recommended torque. Go back to the first setscrew and tighten to the full recommended torque.

Repeat the same procedure for the second lock collar. Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

Figure 1

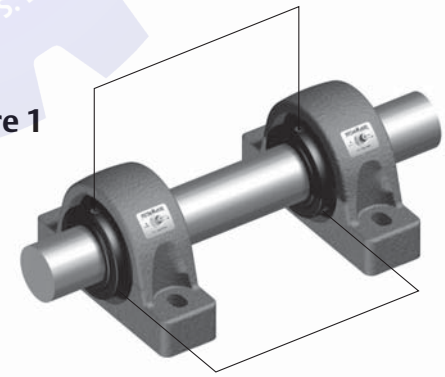


Table II

Lock Collar Setscrew Torque	
Bore Size	Foot-Pounds
1 3/16 - 1 11/16	12
1 3/4 - 2 1/2	19
2 11/16 - 3 1/2	45
3 15/16 - 4	95
4 7/16 - 5	150

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Browning E920 Tapered Roller Bearing Lubrication:

Pre-Mounting Checklist:

All Browning E920 Tapered Roller Bearings are delivered with a high quality lithium grease with an EP additive. The bearing is ready for use with no initial lubrication required. The grease consists of a lithium thickener, mineral oil, and NLGI grade 2 consistency.

Compatibility of grease is critical; therefore consult with Application Engineering and your grease supplier to insure greases are compatible. For best performance it is recommended to relubricate with lithium thickened grease with a comparable NLGI consistency and base oil properties.

Relubricatable Browning bearings are supplied with grease fittings or zerks for ease of lubrication with hand or automatic grease guns. Always wipe the fitting and grease nozzle clean.

CAUTION: If possible, it is recommended to lubricate the bearing while rotating, until grease purge is observed from the seals. If this is not an option due to safety reasons, follow the alternate lubrication procedure below.

Alternate Lubrication Procedure:

Stop rotating equipment. Add one half of the recommended amount shown in Table III. Start the bearing and run for a few minutes. Stop the bearing and add the second half of the recommended amount. A temperature rise after lubrication, sometimes 30°F (17°C), is normal. Bearing should operate at temperatures less than 200°F (94°C) and should not exceed 250° (121°C) for intermittent operation. For lubrication guidelines, see Table IV.

Note: Table IV are general recommendations. Experience and testing may be required for specific applications.

Note: Grease charges in Table III are based on the use of lithium thickened grease with a NLGI grade 2 consistency.

Table III

Grease Charge for Relubrication	
Bore Size	**Grease Charge (Mass - Ounces)**
1 3/16 - 1 1/4	0.26
1 3/8 - 1 7/16	0.30
1 1/2 - 1 11/16	0.36
1 3/4 - 2	0.42
2 3/16	0.69
2 1/4 - 2 1/2	0.75
2 11/16 - 3	0.92
3 3/16 - 3 1/2	1.50
3 15/16 - 4	1.92
4 7/16 - 4 1/2	2.79
4 15/16 - 5	4.17

Table IV

Relubrication Recommendations			
Environment	**Temperature (°F)**	**Speed (% Catalog Max)**	**Frequency**
Dirty	-20 to 250	0 - 100%	Daily to 1 Week
Clean	-20 to 125	0 - 25%	4 to 10 Months
		26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
	125 to 175	0 - 25%	2 to 6 Weeks
		26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
		76 - 100%	
	175 to 250	0 - 100%	Daily to 1 Week

Table V

Maximum Operational Speed	
Bore Size	**Speed (RPM)**
1 3/16 - 1 1/4	3500
1 3/8 - 1 7/16	3000
1 1/2 - 1 11/16	2500
1 3/4 - 2 3/16	2000
2 1/4 - 2 1/2	1750
2 11/16 - 3	1500
3 3/16 - 4	1000
4 7/16 - 5	750

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Sealmaster USRB Spherical Roller Bearing Installation

Mounting Lock Collar Units:

NOTICE

• These bearings are designed for maximum permissible misalignment of ± 2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table I, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

Table I

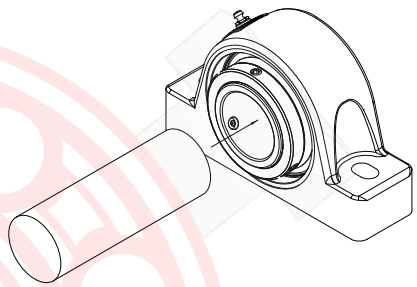
Recommended Shaft Tolerances	
Nominal Bore Diameter	Tolerance (inch)
1 1/8 - 2	+0.000 / -0.0005
2 3/16 - 4	+0.000 / -0.001
4 7/16 - 5	+0.000 / -0.0015

Step 2: Check Support Surfaces

Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

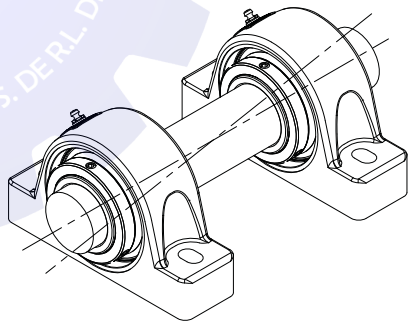
Step 3: Install Unit

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.



Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible.



Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.

Step 5: Position Insert

If expansion units are used, the insert must be located in the housing to allow for axial shaft expansion and/or contraction. Position bearing insert to obtain the required axial expansion in desired directions. It may be necessary to unload the bearing while moving the assembly.

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Installation Instructions continued

Step 6: Tighten Setscrews

Setscrews in multiple bearing applications should be aligned as shown in Figure 1. Tighten bearing units to the shaft as follows:

a) Torque the first setscrew to one half of the recommended torque in Table II.
b) Torque the second setscrew to the full recommended torque. Go back to the first setscrew and tighten to the full recommended torque.

Figure 1

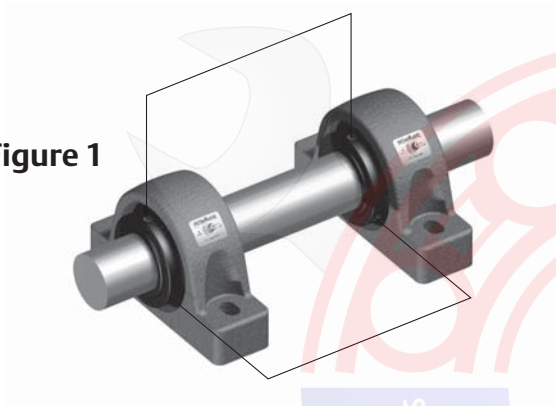

Table II

Lock Collar Setscrew Torque		
Bore Size	**Hex Size**	**Foot-Pounds**
1 1/8 - 1 3/4	5/32	14
1 15/16 - 2 1/2	3/16	25
2 11/16 - 3 1/2	1/4	55
3 11/16 - 4 1/2	5/16	120
4 15/16	3/8	180

If the bearing unit has two lock collars, repeat the same procedure for the second lock collar. Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

Mounting Adapter Lock Units:

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table I, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

NOTICE: Do not apply any additional lubricant (ex. Grease, oil, or anti-seize) to bearing tapered surfaces, bore or shafting. Bearing components have a light oil, rust preventative coating that should not be removed. Application of additional lubricant may cause reduction in bearing performance and may lead to equipment failure.

Table III

Recommended Shaft Tolerances (Adapter Lock)	
Nominal Bore Diameter	**Tolerance (inch)**
1 1/8 - 2	+0.000 / -0.003
2 3/16 - 4	+0.000 / -0.004
4 7/16 - 5	+0.000 / -0.005

Step 2: Check Support Surfaces

Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

NOTICE: One expansion unit is to be used in conjunction with one non-expansion unit for applications using adapter lock units. Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.

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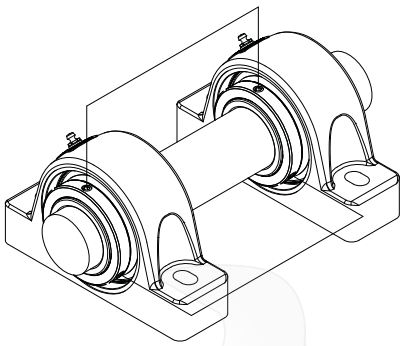
Installation Instructions continued

Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible.

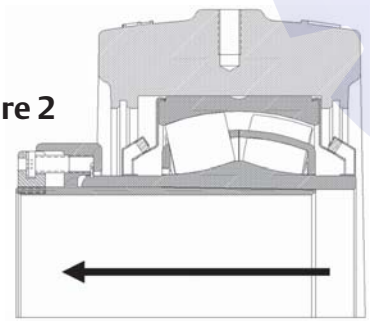


Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.

Step 5: Position Insert

Expansion inserts must be located in the housing to allow for axial shaft expansion and/or contraction. If the direction of shaft expansion or contraction is in the direction shown in Figure 2, locate the bearing insert as shown. If the direction of shaft expansion or contraction is opposite to that shown in Figure 2, center the insert in the housing.

Figure 2



Step 6: Tighten Cap Screws

Tighten bearing units to the shaft as follows:

a) Tighten the cap screws in the specified order, as shown in Figure 3. Continue tightening until all cap screws have become snug.

b) Using a torque wrench, tighten each cap screw in the specified order to one half of the recommended torque in Table IV.

c) In the same order, repeat the procedure tightening each cap screw to the full recommended torque. Once complete, follow the same pattern and verify that each cap screw has met the full recommended torque value and all cap screws have achieved equivalent resistance.

Check shaft for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

Figure 3

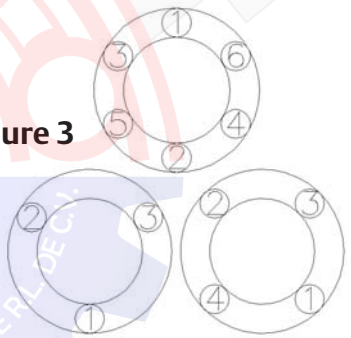


Table IV

Adapter Lock Cap Screw Information			
Bore Size	Torque (inch - Pounds)	Hex Size	# Cap Screws
1 1/8 - 1 1/2	45	1/8	3
1 11/16 - 1 3/4	40	1/8	3
1 15/16 - 2	30	1/8	3
2 3/16	45	1/8	3
2 7/16 - 2 1/2	60	1/8	4
2 11/16 - 3	55	1/8	4
3 3/16 - 3 1/2	80	3/16	4
3 11/16 - 4	80	3/16	4
4 7/16 - 4 1/2	115	3/16	4
4 15/16 - 5	130	3/16	6

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Installation Instructions continued

Replacing Existing Sealmaster Inserts:

Step 1: Loosen and Remove Housing Mounting Bolts

Step 2: Remove Bearing from Shaft
For lock collar units, loosen the setscrews. For adapter lock units, loosen the cap screws in the specified order as shown in Figure 3. Once locking mechanism is loosened, slide the bearing off the shaft.

Step 3: Remove the Bearing Insert from the Housing
Carefully remove retaining ring and spacer (non-expansion units) from the housing bore. Clean rings before reuse. Remove insert from housing.

Step 4: Inspect and Prepare Housing
Housings should be inspected for damage prior to installation. Wipe housing bore clean as necessary and check that the lubrication hole is clean and free of debris. Wetting of the housing bore with oil or grease may be done to ease installation of bearing insert.

Step 5: Load New Insert
Slide the bearing insert into the housing.

Step 6: Secure Bearing in Housing
Replace the spacer into housing (non-expansion units only). Install retaining rings into the grooves in the housing bore.

Step 7: Refer to Steps 1 - 6 from the Previous Installation Sections for the Respective Locking Mechanism

Sealmaster USRB Spherical Roller Bearing Lubrication:

Pre-Mounting Checklist:

All Sealmaster Spherical Roller Bearings are delivered with a high quality lithium complex grease with an EP additive. The bearing is ready for use with no initial lubrication required. The grease consists of a lithium complex thickener, mineral oil, and NLGI grade 2 consistency.

Compatibility of grease is critical; therefore consult with Application Engineering and your grease supplier to insure greases are compatible. For best performance it is recommended to relubricate with lithium complex thickened grease with a comparable NLGI consistency and base oil properties.

Relubricatable Sealmaster bearings are supplied with grease fittings or zerks for ease of lubrication with hand or automatic grease guns. Always wipe the fitting and grease nozzle clean.

Caution: If possible, it is recommended to lubricate the bearing while rotating, until grease purge is observed from the seals. If this is not an option due to safety reasons, follow the alternate lubrication procedure below.

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Installation Instructions continued

Alternate Lubrication Procedure:

Stop rotating equipment. Add one half the recommended amount shown in Table V. Start the bearing and run for a few minutes. Stop the bearing and add the second half of the recommended amount. A temperature rise after lubrication, sometimes 30°F (17°C), is normal. Bearing should operate at temperatures less than 200°F (94°C) and should not exceed 250° (121°C) for intermittent operation. For lubrication guidelines, see Table VI.

Note: Table VI are general recommendations. Experience and testing may be required for specific applications.

Note: Grease charges in Table V are based on the use of lithium complex thickened grease with a NLGI grade 2 consistency.

Expansion Bearing Applications:

Before installation, make certain proper expansion is accounted for. Expansion units should be placed in a location where relative movement between the bearing insert and the housing can be tolerated. For most applications using expansion type units, the fixed unit (non-expansion unit) is placed at the drive end of the shaft. Use Table VIII to review the total available bearing expansion. If the application requires additional expansion, consult Application Engineering.

NOTICE: One expansion unit is to be used in conjunction with one non-expansion unit for applications using adapter lock units. Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

Table V

Grease Charge for Relubrication	
Bore Size	**Grease Charge (Mass - Ounces)**
1 1/8 - 1 1/2	0.20
1 11/16 - 1 3/4	0.20
1 15/16 - 2	0.25
2 3/16	0.40
2 7/16 - 2 1/2	0.60
2 11/16 - 3	0.75
3 3/16 - 3 1/2	1.25
3 11/16 - 4	2.00
4 7/16 - 4 1/2	2.75
4 15/16 - 5	4.00

Table VI

Relubrication Recommendations			
Environment	**Temperature (°F)**	**Speed (% Catalog Max)**	**Frequency**
Dirty	-20 to 250	0 - 100%	Daily to 1 Week
Clean	-20 to 125	0 - 25%	4 to 10 Months
		26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
	125 to 175	0 - 25%	2 to 6 Weeks
		26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
		76 - 100%	
	175 to 250	0 - 100%	Daily to 1 Week

Table VII

Maximum Operational Speed		
Bore Size	**Felt Seal (RPM)**	**Contact Seal (RPM)**
1 1/8 - 1 1/2	4000	3000
1 11/16 - 1 3/4	4000	2750
1 15/16 - 2	4000	2500
2 3/16	3750	2200
2 7/16 - 2 1/2	3250	1750
2 11/16 - 3	3000	1600
3 3/16 - 3 1/2	2500	1350
3 11/16 - 4	2250	1200
4 7/16 - 4 1/2	2000	1100
4 15/16 - 5	1750	900

Table VIII

Total Available Housing Expansion (inch)		
Bore Size	**Setscrew**	**Adapter Lock**
1 1/8 - 1 1/2	3/16	5/32
1 11/16 - 3 1/2	1/4	7/32
3 11/16 - 4	5/16	1/4
4 7/16 - 5	3/8	9/32

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Sealmaster USRB Spherical Roller Bearing Split Pillow Block Housing Installation

Mounting Lock Collar Units:

NOTICE

• These bearings are designed for maximum permissible misalignment of ± 2 degrees. Installation, handling or operation of the bearing in excess of the maximum of ± 2 degrees can cause reduction in bearing performance and may lead to equipment failure.

• Do not strike or hammer on any component of the bearing and/or shaft. Impact can result in damage to the bearing that may cause reduction in bearing performance and may lead to equipment failure.

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table I, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

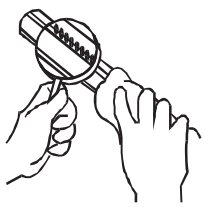


Table I

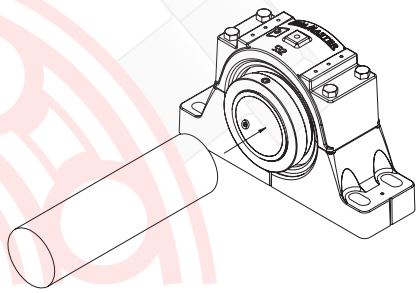
Recommended Shaft Tolerances	
Nominal Bore Diameter	**Tolerance (inch)**
1 7/16 - 2	+0.0000 / -0.0005
2 7/16 - 4	+0.000 / -0.001
4 7/16 - 5 15/16	+0.0000 / -0.0015
6 7/16 - 7	+0.000 / -0.002

Step 2: Check Support Surfaces

Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

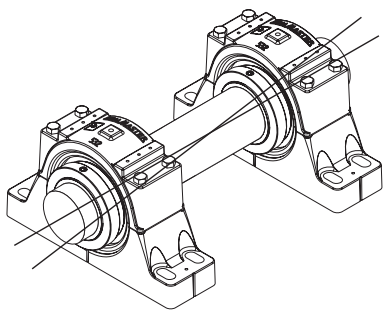
To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.



Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible.

Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



Step 5: Position Insert

Expansion units must be located in the housing to allow for axial shaft expansion and/or contraction. Position bearing insert to obtain the required axial expansion in desired directions. It may be necessary to unload the bearing while moving the assembly.

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Installation Instructions continued

Step 6: Tighten Setscrews

Setscrews in multiple bearing applications should be aligned as shown in Figure 1. Tighten bearing units to the shaft as follows:

a) Torque the first setscrew to one half of the recommended torque in Table II.
b) Torque the second setscrew to the full recommended torque. Go back to the first setscrew and tighten to the full recommended torque.

If the bearing unit has two lock collars, repeat the same procedure for the second lock collar. Check shaft again for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

Figure 1

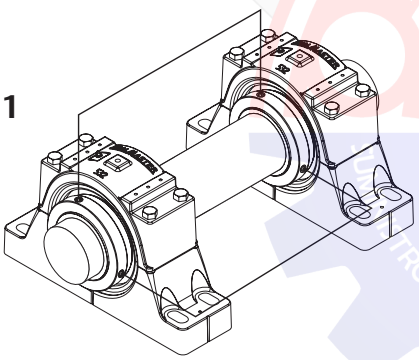

Table II

Lock Collar Setscrew Torque		
Bore Size	**Hex Size**	**Foot-Pounds**
1 7/16 - 1 3/4	5/32	14
1 15/16 - 2 1/2	3/16	25
2 15/16 - 3 1/2	1/4	55
3 15/16 - 4 1/2	5/16	120
4 15/16 - 5 15/16	3/8	180
6 7/16 - 7	1/2	428

Mounting Adapter Lock Units:

Step 1: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table III, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Wipe clean as necessary.

NOTICE: Do not apply any additional lubricant (ex. Grease, oil, or anti-seize) to bearing tapered surfaces, bore or shafting. Bearing components have a light oil, rust preventative coating that should not be removed. Application of additional lubricant may cause reduction in bearing performance and may lead to equipment failure.

Table III

Recommended Shaft Tolerances	
Nominal Bore Diameter	**Tolerance (inch)**
1 7/16 - 2	+0.000 / -0.003
2 7/16 - 4	+0.000 / -0.004
4 7/16 - 5 15/16	+0.000 / -0.005
6 7/16 - 8	+0.000 / -0.006

Step 2: Check Support Surfaces

Make sure the base of the housing and the support surfaces are clean and free from burrs. If the housing elevation is adjusted with shims these must cover the entire contact area between the housing and the support surface.

Step 3: Install Unit

NOTICE: One expansion unit is to be used in conjunction with one non-expansion unit for applications using adapter lock units. Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

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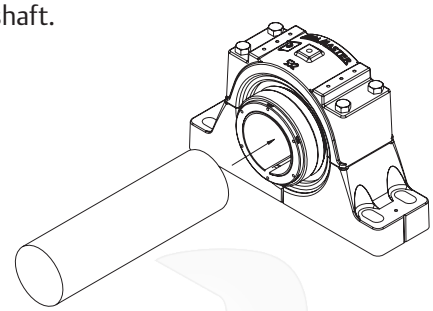
Installation Instructions continued

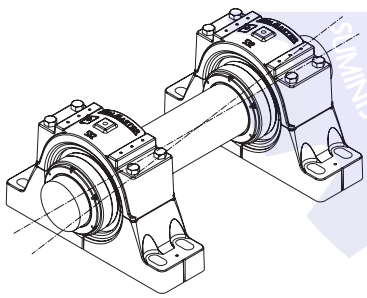
To aid installation, keep weight off bearing during mounting. Slide unit onto shaft by pushing on the inner ring. If it is difficult to mount bearing on shaft, use a piece of emery cloth to reduce any high spots on the shaft.



Step 4: Fasten Unit in Place

Install housing mounting bolts and check bearing alignment. Align the bearing units as closely as possible.

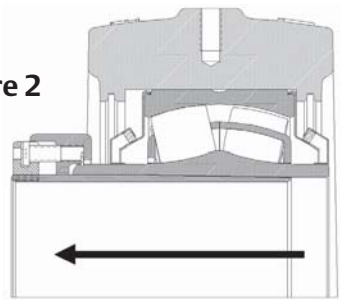
Tighten mounting bolts to recommended fastener torques. Check the shaft for freedom of rotation by rotating shaft with hand in both directions.



Step 5: Position Insert

Expansion inserts must be located in the housing to allow for axial shaft expansion and/or contraction. If the direction of shaft expansion or contraction is in the direction shown in Figure 2, locate the bearing insert as shown. If the direction of shaft expansion or contraction is opposite to that shown in Figure 2, center the insert in the housing.

Figure 2



Step 6: Tighten Cap Screws

Tighten bearing units to the shaft as follows:

a) Tighten the cap screws in the specified order, as shown in Figure 3. Continue tightening until all cap screws have become snug.

b) Using a torque wrench, tighten each cap screw in the specified order to one half of the recommended torque in Table IV.

c) In the same order, repeat the procedure tightening each cap screw to the full recommended torque. Once complete, follow the same pattern and verify that each cap screw has met the full recommended torque value and all cap screws have achieved equivalent resistance.

Check shaft for freedom of rotation and then tighten the second bearing unit in the same fashion. When all bearings are tightened, perform a final check to the shaft for freedom of rotation.

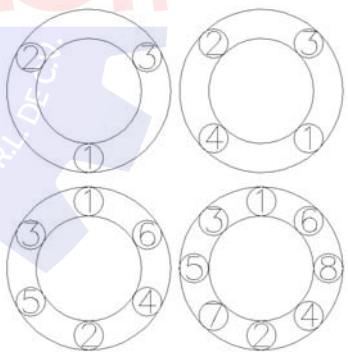


Figure 3

Table IV

Adapter Lock Cap Screw Information			
Bore Size	Torque (inch - Pounds)	Hex Size	# Cap Screws
1 7/16 - 1 1/2	45	1/8	3
1 15/16 - 2	30	1/8	3
2 7/16 - 2 1/2	60	1/8	4
2 15/16 - 3	55	1/8	4
3 7/16 - 3 1/2	80	3/16	4
3 15/16 - 4	80	3/16	4
4 7/16 - 4 1/2	115	3/16	4
4 15/16 - 5	130	3/16	6
5 7/16 - 5 1/2	115	3/16	6
5 15/16	175	3/16	8
6 7/16 - 7	225	1/4	8
7 1/2 - 8	275	1/4	8

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Installation Instructions continued

Replacing Existing Sealmaster Inserts:

Step 1: Remove Housing Cap Bolts

Step 2: Remove Top Half of Housing

Step 3: Remove Bearing from Shaft

For lock collar units, loosen the setscrews. For adapter lock units, loosen the cap screws in the specified order as shown in Figure 3. Once locking mechanism is loosened, slide the bearing off the shaft.

Step 4: Inspect Shaft and Bore

Shaft should be within tolerance range shown in Table III, clean and free of nicks and burrs. Mount bearings on unused section of shafting or repair/replace shafting as required. Inspect both the shaft and bearing bore for debris or contaminants. Also be sure to inspect the housing for damages. Wipe housing bore clean as necessary and check that the lubrication hole is clean and free of debris.

Step 5: Load New Insert

Slide bearing onto shaft and seat the bearing in the housing base.

Step 6: Install Top Half of Housing

Be sure to check the bearing inserts for proper alignment. Align the bearings.

Install the top half of the housing. Tighten down the cap bolts to the recommended torque in Tables V. Rotate the shaft by hand to check for freedom of rotation.

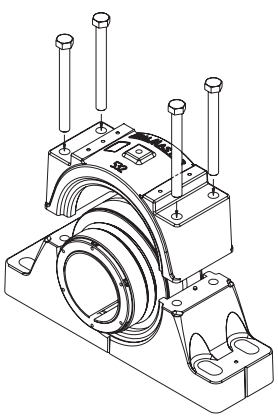

Table V

Cap Bolt Tightening Torque		
Casting	Bore Size	Foot-Pounds
509	1 7/16 - 1 1/2	31
511	1 15/16 - 2	31
515	2 7/16 - 2 1/2	75
517	2 15/16 - 3	75
520	3 7/16 - 3 1/2	109
522	3 15/16 - 4	150
526	4 7/16 - 4 1/2	150
528	4 15/16 - 5	266
532	5 7/16 - 5 1/2	266
534	5 15/16	266
536	6 7/16 - 6 1/2	266
538	6 15/16 - 7	600
544	7 1/2 - 8	600

Step 7: Refer to Steps 5 and 6 from the Previous Installation Sections for the Respective Locking Mechanism

Sealmaster USRB Spherical Roller Bearing Split Pillow Block Housing Lubrication:

Pre-Mounting Checklist:

Lubrication:

All Sealmaster Spherical Roller Bearings are delivered with a high quality lithium complex grease with an EP additive. The bearing is ready for use with no initial lubrication required. The grease consists of a lithium complex thickener, mineral oil, and NLGI grade 2 consistency.

Compatibility of grease is critical; therefore consult with Application Engineering and your grease supplier to insure greases are compatible. For best performance it is recommended to relubricate with lithium complex thickened grease with a comparable NLGI consistency and base oil properties.

Relubricatable Sealmaster bearings are supplied with

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Installation Instructions continued

grease fittings or zerks for ease of lubrication with hand or automatic grease guns. Always wipe the fitting and grease nozzle clean.

Caution: If possible, it is recommended to lubricate the bearing while rotating, until grease purge is observed from the seals. If this is not an option due to safety reasons, follow the alternate lubrication procedure below.

Alternate Lubrication Procedure:

Stop rotating equipment. Add one half the recommended amount shown in Table VI. Start the bearing and run for a few minutes. Stop the bearing and add the second half of the recommended amount. A temperature rise after lubrication, sometimes 30°F (17°C), is normal. Bearing should operate at temperatures less than 200°F (94°C) and should not exceed 250° (121°C) for intermittent operation. For lubrication guidelines, see Table VII.

Note: Table VII are general recommendations. Experience and testing may be required for specific applications.

Note: Grease charges in Table VI are based on the use of lithium complex thickened grease with a NLGI grade 2 consistency.

Expansion Bearing Applications:

Before installation, make certain proper expansion is accounted for. Expansion units should be placed in a location where relative movement between the bearing insert and the housing can be tolerated. For most applications using expansion type units, the fixed unit (non-expansion unit) is placed at the drive end of the shaft. Use Table IX to review the total available bearing expansion. If the application requires additional expansion, consult Application Engineering.

NOTICE: One expansion unit is to be used in conjunction with one non-expansion unit for applications using adapter lock units. Failure to utilize one expansion and one non-expansion unit is likely to result in reduced bearing performance.

Table VI

Grease Charge for Relubrication	
Bore Size	**Grease Charge (Mass - Ounces)**
1 7/16 - 1 1/2	0.20
1 15/16 - 2	0.30
2 7/16 - 2 1/2	0.60
2 15/16 - 3	0.80
3 7/16 - 3 1/2	1.20
3 15/16 - 4	2.00
4 7/16 - 4 1/2	2.75
4 15/16 - 5	4.00
5 7/16 - 5 1/2	6.10
5 15/16	10.60
6 7/16 - 7	13.90
7 1/2 - 8	17.60

Table VII

Relubrication Recommendations			
Environment	**Temperature (°F)**	**Speed (% Catalog Max)**	**HI Suffix**
Dirty	-20 to 250	0 - 100%	Daily to 1 Week
Clean	-20 to 125	0 - 25%	4 to 10 Months
		26 - 50%	1 to 4 Months
		51 - 75%	1 Week to 1 Month
		76 - 100%	Daily to 1 Week
	125 to 175	0 - 25%	2 to 6 Weeks
		26 - 50%	1 Week to 1 Month
		51 - 75%	Daily to 1 Week
		76 - 100%	
	175 to 250	0 - 100%	Daily to 1 Week

Table VIII

Maximum Operational Speed		
Bore Size	**Felt Seal (RPM)**	**Contact Seal (RPM)**
1 7/16 - 1 1/2	4000	3000
1 15/16 - 2	4000	2500
2 7/16 - 2 1/2	3250	1750
2 15/16 - 3	3000	1600
3 7/16 - 3 1/2	2500	1350
3 15/16 - 4	2250	1200
4 7/16 - 4 1/2	2000	1100
4 15/16 - 5	1750	900
5 7/16 - 5 1/2	1500	900
5 15/16	1300	800
6 7/16 - 7	1200	750
7 1/2 - 8	1100	750

Table IX

Total Available Housing Expansion (inch)			
Casting	**Bore Size**	**Setscrew**	**Adapter Lock**
509	1 7/16 - 1 1/2	7/32	3/16
511	1 15/16 - 2	1/4	7/32
515	2 7/16 - 2 1/2	5/16	9/32
517	2 15/16 - 3	3/8	11/32
520	3 7/16 - 3 1/2	3/8	11/32
522	3 15/16 - 4	3/8	5/16
526	4 7/16 - 4 1/2	3/8	9/32
528	4 15/16 - 5	3/8	9/32
532	5 7/16 - 5 1/2	3/8	9/32
534	5 15/16	3/8	9/32
536	6 7/16 - 6 1/2	3/8	9/32
538	6 15/16 - 7	3/8	9/32
544	7 1/2 - 8	3/8	9/32

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Vibration Analysis

The following equations are used to calculate the fundamental frequencies for Mounted Tapered Roller Bearings.

1. All information can be linked to three factors:
   - Shaft Size
   - Unit number
   - Insert number
2. Use the information from Step 1 to select the vibration geometry information (R, I, O and F) from the Table 9.
3. Use the information to calculate the fundamental bearing frequencies:
   - Roller Spin Frequency (Hz) = R x RPM
   - Inner Roller Pass Frequency (Hz) = I x RPM
   - Outer Roller Pass Frequency (Hz) = O x RPM
   - Fundamental Train Frequency (Hz) = F x RPM

Bearing Symbols for Vibration Analysis

RPM = Shaft Speed (Revolutions per Minute)
R = Roller Spin Frequency Factor
I = Inner Roller Pass Frequency Factor
O = Outer Roller Pass Frequency Factor
F = Fundamental Train Frequency Factor

Table 9 - Sealmaster RPB and Browning E920 Vibration Geometry Information

Bore Size		Factor for Roller Spin	Factor for Inner Roller Pass	Factor for Outer Roller Pass	Factor for F.T.F.
inch	mm	R	I	O	F
1 3/16 - 1 1/4	-	0.1258	0.1782	0.1384	0.0073
1 3/8 - 1 7/16	35	0.1173	0.1892	0.1442	0.0072
1 1/2 - 1 11/16	40	0.1132	0.1710	0.1290	0.0072
1 3/4 - 2	45 - 50	0.1083	0.1626	0.1207	0.0071
2 3/16	55	0.1216	0.1792	0.1375	0.0072
2 1/4 - 2 1/2	60 - 65	0.1345	0.1958	0.1542	0.0073
2 11/16 - 3	70 - 75	0.1578	0.2202	0.1798	0.0075
3 3/16 - 3 1/2	80 - 95	0.1706	0.2368	0.1966	0.0076
3 15/16 - 4	100 - 105	0.1645	0.2376	0.1958	0.0075
4 7/16 - 4 1/2	110 - 115	0.1601	0.2289	0.1878	0.0075
4 15/16 - 5	120 - 125	0.1587	0.2292	0.1875	0.0075

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Vibration Analysis

The following equations are used to calculate the fundamental frequencies for Mounted Spherical Roller Bearings.

1. All information can be linked to three factors:
   - Shaft Size
   - Unit number
   - Insert number
2. Use the information from Step 1 to select the vibration geometry information (R, I, O and F) from Table 10.
3. Use the information to calculate the fundamental bearing frequencies:
   - Roller Spin Frequency (Hz) = R x RPM
   - Inner Roller Pass Frequency (Hz) = I x RPM
   - Outer Roller Pass Frequency (Hz) = O x RPM
   - Fundamental Train Frequency (Hz) = F x RPM

Bearing Symbols for Vibration Analysis

RPM = Shaft Speed (Revolutions per Minute)
R = Roller Spin Frequency Factor
I = Inner Roller Pass Frequency Factor
O = Outer Roller Pass Frequency Factor
F = Fundamental Train Frequency Factor

Table 10 - USRB Vibration Geometry Information

Bore Size	Factor for Roller Spin	Factor for Inner Roller Pass	Factor for Outer Roller Pass	Factor for F.T.F.
	R	I	O	F
1 1/8 - 1 1/2	0.0977	0.1549	0.1117	0.0070
1 11/16 - 1 3/4	0.1077	0.1722	0.1278	0.0071
1 15/16 - 2	0.1151	0.1804	0.1363	0.0072
2 3/16	0.1106	0.1717	0.1283	0.0071
2 7/16 - 2 1/2	0.1105	0.1812	0.1354	0.0071
2 11/16 - 3	0.1204	0.1983	0.1517	0.0072
3 3/16 - 3 1/2	0.1205	0.1889	0.1444	0.0072
3 11/16 - 4	0.1088	0.1816	0.1351	0.0071
4 7/16 - 4 1/2	0.1138	0.1806	0.1360	0.0072
4 15/16 - 5	0.1171	0.1894	0.1439	0.0072
5 7/16 - 5 1/2	0.1037	0.1730	0.1270	0.0071
5 15/16	0.1009	0.1735	0.1265	0.0070
6 7/16 - 7	0.1020	0.1733	0.1267	0.0070
7 1/2 - 8	0.1115	0.1809	0.1357	0.0071

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Rod Ends and Spherical Plain Bearings

Rod ends and spherical plain bearings are designed to support a load, accommodate angular motion, misalignment and oscillation in mechanical motion systems. Rod ends consist of a threaded housing with an integral spherical plain bearing or a threaded housing formed around a ball. Spherical plain bearings consist of an outer race and hardened spherical ball. Spherical plain bearings provide a similar function as rod ends and require housing support.

Bearing Configurations

Male And Female Thread Types In Right And Left Hand Threads With The Option Of Grease Fittings.

Mounting Requirements

Light Press Or Mechanical Fit, Threaded Rod.

Bore Size Range

3/16” To 2”

Materials Housing & Balls

Carbon Steel, Alloy Steel, Stainless Steel

Races

Carbon Steel, Bronze, Delrin*, Stainless And PTFE Liners

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SEALMASTER® Rod End Bearings

Rod End Selection Guide

Brand	Image	Product Series	Housing / Race Material	Bore Size Range
Sealmaster Rod Ends		AR / ARE	HT Steel / Steel	3/16” - 3/4”
		ARE-20	HT Steel / Steel	3/16” - 3/4”
		TR / TRE	Steel / Steel	3/16” - 1”
		CFF-T / CFM-T	Steel / PTFE Liner	3/16” - 1”
		TF / TM	Steel / Bronze	3/16” - 3/4”
		CFF / CFM	Steel	3/16” - 1”
		CTFD / CTMD	Steel / Delrin*	3/16” - 3/4”

HT = Heat Treated
SS = Stainless Steel

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Design Characteristics				Features					
Static Load	Reversing Load	Shock Load	Relative Base Cost	Construction	Max Temp. (°F)	Grease Fitting	Left Hand Thread	Y-Stud	Page No.
●	●	●	$$$	3 Piece	350	Optional	Standard	---	J-13, J-15
●	●	●	$$$	3 Piece	350	Optional	Standard	---	J-14
◒	◒	◒	$	3 Piece	350	Optional	Standard	Optional	J-16 to J-17
◒	◒	◒	$$	2 Piece	250	---	Standard	Optional	J-18 to J-19
◒	◒	◒	$	3 Piece	350	Optional	Standard	Optional	J-20 to J-21
◒	◒	◒	$	2 Piece	350	Optional	Standard	Optional	J-22 to J-23
○	○	○	$	3 Piece	150	---	--Standard-	Optional	J-24 to J-25

○ = Not Recommended

◒ ◒ ◒ ◒ ●

Poor ←——→ Best

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SEALMASTER® Rod End Bearings

Spherical Plain Bearings Selection Guide

Brand	Image	Product Series	Outer / Race Material	Bore Size Range
Sealmaster Spherical Plain Bearings		SBG	Bronze / Steel Ball	3/16” - 1”
		SBG-S	HT Steel / Steel Ball	3/16” - 1”
		SBG-SA	HT Steel / Steel Ball	1/2” - 1”
		SBG-SS	SS / SS Ball	3/16” - 1”
		COR	SS / SS Ball	3/16” - 1”
		COM	Steel / Steel Ball	3/16” - 1”
		FLBG	Steel Outer / Bronze Race / Steel Ball	3/16” - 1”
Sealmaster Heavy Duty Spherical Plain Bearings		BTS-LS	Steel / Steel Ball	3/4” - 1 1/2”
		BH-LS	Steel / Steel Ball	1”- 2”

HT = Heat Treated
SS = Stainless Steel

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Design Characteristics				Features				
Static Load	Reversing Load	Shock Load	Relative Base Cost	Construction	Max Temp. (°F)	Groove on Ball ID and Inter-connecting Hole	Seal	Page No.
◒	◒	○	$	2 Piece	350	---	---	J-32
●	◒	◒	$	2 Piece	350	---	---	J-32
●	◒	◒	$	2 Piece	350	Standard	---	J-32
◒	◒	◒	$$	2 Piece	500	---	---	J-32
◒	◒	◒	$$	2 Piece	500	---	---	J-33
◒	◒	◒	$	2 Piece	350	---	---	J-34
◒	◒	◒	$$	3 Piece	350	---	---	J-35
◒	◒	◒	$$$	2 Piece	250	---	Standard	J-36
●	●	●	$$$	2 Piece	350	---	---	J-37

○ = Not Recommended

○ ◒ ◒ ◒ ●

Poor ←——→ Best

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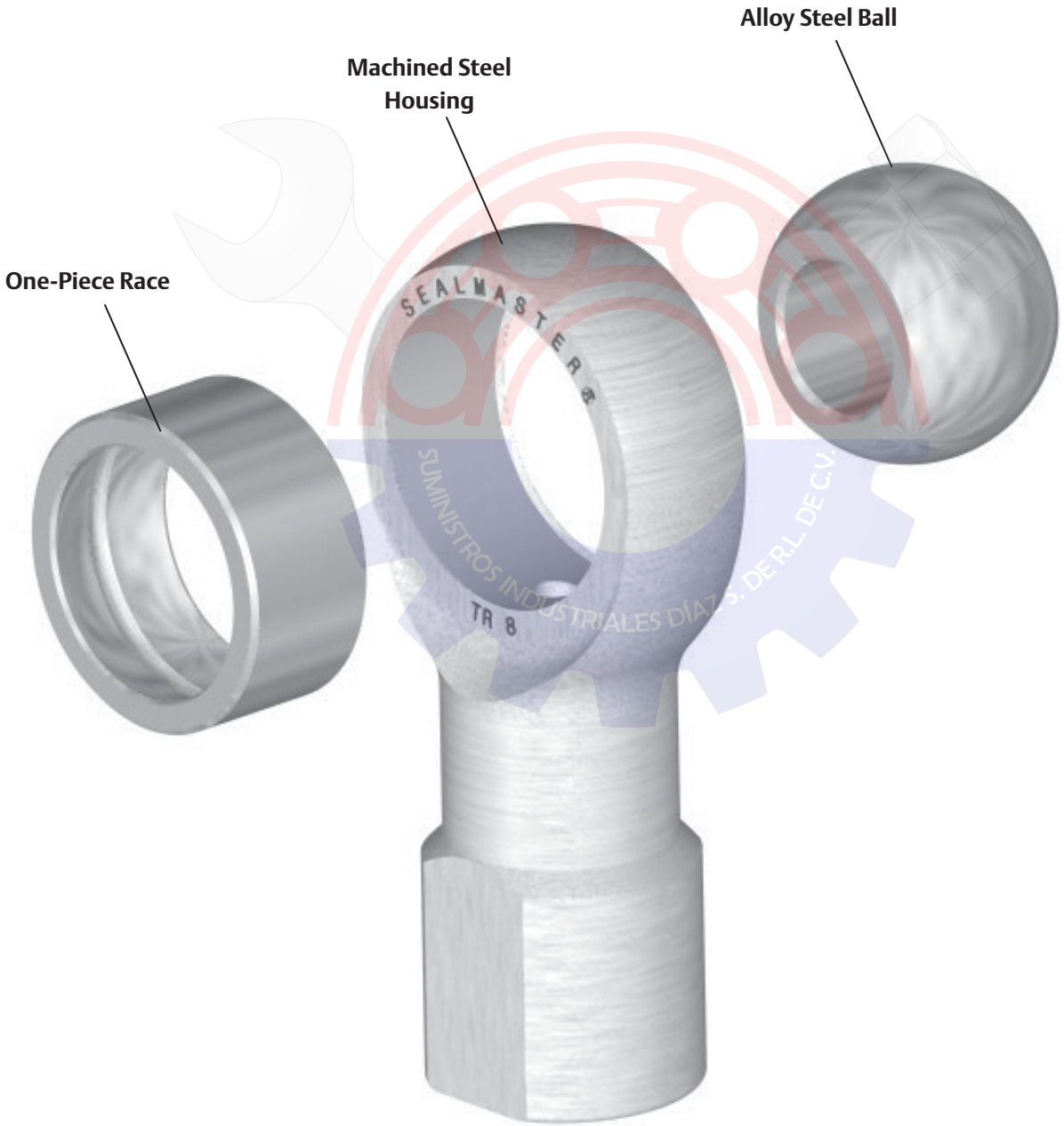
SEALMASTER® *Rod End Bearings*

Sealmaster Rod Ends Bearings

Sealmaster two and three piece rod end bearing housing designs have been optimized for overall strength. This housing advantage and variety of outer race materials including brass, steel, DELRIN*, and PTFE liners provide a wide selection of application solutions. Sealmaster rod end bearings can be joined together or connected with a threaded rod or tube as linkage assemblies for flexibility in motion transfer. In addition Sealmaster rod end bearings can accommodate angular misalignment to provide ease in assembly and smooth motion transfer in a variety of applications.



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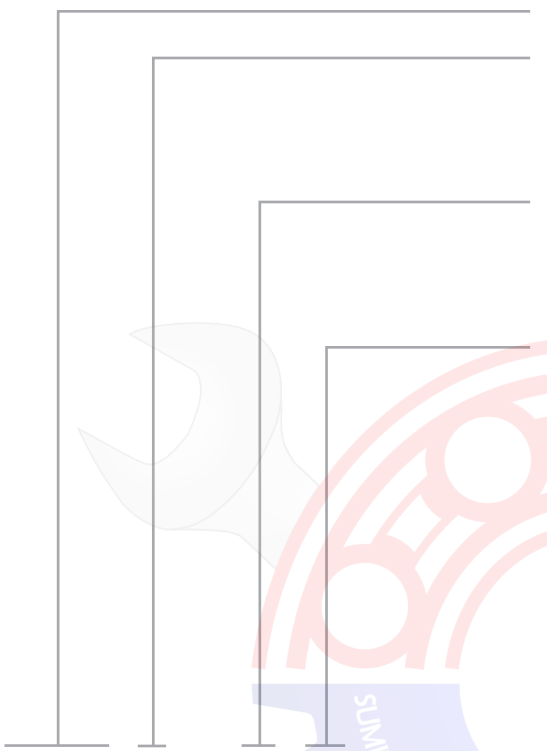
Rod End Bearing Nomenclature



Series * (see table below)
Thread Option
L - Left Hand
Right hand (no designation)
Bore Size
Number of 1/16" of inches (ex. 5 = 5/16")
Optional Suffix
T - PTFE Liner (CFF-T / CFM-T series only)
Y - Y-Stud (not available on AR, ARE or ARE-20N)
20 - Large Shank (ARE series only)
R - Reverse Grease Fitting Location with Y-Stud
N - Grease Fitting

TRE L - 8 N

*Series	Description
TR	**T**hree Piece **R**od End (Internal Threads)
TRE	**T**hree Piece **R**od End (Male **E**xternal Threads)
AR	**A**lloy **R**od End (Internal Threads)
ARE	**A**lloy **R**od End (**E**xternal Threads)
CFF	**C**ommercial **F**emale (Internal Threads)
CFM	**C**ommercial **M**ale (External Threads)
TF	**T**hree Piece **F**emale (Internal Threads)
TM	**T**hree Piece **M**ale (External Threads)
CTFD	**C**ommercial **T**hree Piece **F**emale **D**elrin* (Internal Threads)
CTMD	**C**ommercial **T**hree Piece **M**ale **D**ELRIN (External Threads)

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Rod End Bearings

Features and Benefits

Three-Piece Rod Ends

Sealmaster three-piece rod ends incorporate a one-piece race formed around a hardened steel chrome plated ball in a controlled manufacturing process. Three-piece construction offers flexibility for alternative race materials designed to help solve specific application problems. Consult Application Engineering for material combinations available to meet your application needs.

Machined Steel Housing

- Protective coated for corrosion resistance
- Higher average tensile strength and fatigue life vs. competition
- Wrench flat on female rod ends facilitates assembly
- Full catalog thread depth for maximum thread engagement

One-piece Race

- Reduces pound-out in applications with high frequency oscillation, vibration or shock loading
- Improved spherical ball-race conformity for even load distribution
- Precision ball-race fit
- Less wear than rod ends with two-piece race designs
- Manufactured in steel, aluminum bronze and self lubricating Delrin®

Ball

- Alloy steel heat treated and chrome plated for corrosion resistance
- Better wear resistance properties than carbon steel tin nickel plated balls

Two-Piece Rod Ends

Sealmaster two-piece design rod ends consist of a machined housing formed around a hardened steel chrome plated ball. This construction offers more load capacity than three-piece designs with like housing materials because of greater housing cross section.

Machined Steel Housing

- Protective coated for corrosion resistance
- Wrench flat on female rod ends facilitates assembly

Ball

- Alloy steel, heat treated, chrome plated for wear resistance properties

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SUMINISTROS INDUSTRIALES DÍAZ

Multiple Configurations

AR

ARE

ARE-N

Sealmaster AR, ARE and ARE-20N Precision Series Extra Capacity Rod Ends

- Three-piece design rod ends with heat treated alloy steel housing for high static, radial loads. The construction also helps reduce "pound-out" in applications with high frequency oscillation, vibration or shock loading.
- One-piece carbon steel outer race with protective coating for corrosion resistance
- Alloy steel, heat treated, chrome plated ball for wear resistance properties
- Wrench flat on female rod ends facilitates assembly
- Bore sizes form 3/16” to 3/4”
- Grease fittings available on ¼” through ¾” bore sizes
- Male and female versions with right and left hand threads
- The ARE-20N Series offers an oversized shank for additional shank strength

CFF-T

CFM-T

Sealmaster CFF-T and CFM-T Precision Two Piece Rod Ends

- Two piece construction with self-lubricating PTFE liner for applications where grease lubrication is not practical or desirable
- Manufactured with consistent, no load, rotational torque values for accurate linkage control
- Machined carbon steel housings with protective coating for corrosion resistance
- Alloy steel, heat treated, chrome plated ball for wear resistance properties
- Wrench flat on female rod ends facilitates assembly
- Bore sizes form 3/16” to 3/4”
- Male and female versions with right and left hand threads

TR

TRE

Sealmaster TR and TRE Precision Series Rod Ends

- Three-piece construction to help reduce “pound-out” in applications with high frequency oscillation, vibration or shock loading
- One-piece carbon steel outer race with protective coating for corrosion resistance
- Alloy steel, heat treated, chrome plated ball for wear resistance properties
- Wrench flat on female rod ends facilitates assembly
- Bore sizes from 3/16" to 1"
- Grease fittings available on ¼” through 1” bore sizes
- Male and female versions in both right and left hand threads

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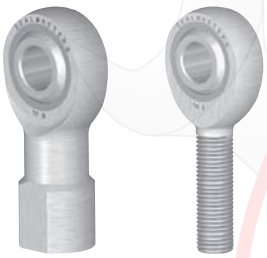
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® *Rod End Bearings*

Multiple Configurations continued

Sealmaster TF/TM, CFF/CFM, CFTD, CTMD Commercial Series Rod Ends

- Two and three-piece design
- Variety of material and construction combinations
- Machined carbon steel housings with protective coating for corrosion resistance
- Alloy steel, heat treated, chrome plated ball for wear resistance properties
- Wrench flat on female rod ends facilitates assembly
- Bore sizes from 3/16" to 3/4"
- Grease fitting available on CFF/CFM and TF/TM series in 1/4" through 3/4" bore sizes
- Male and female versions in both right and left hand threads



TF TM

TF and TM

- TF and TM series is designed with one-piece bronze race for lower coefficient of friction.

CFF CFM

CFF and CFM

- CFF and CFM series with two piece construction has a greater housing cross section and increased load capacity than three piece rod ends with like housing materials.
- The commercial CFF, CFM series provides a lower cost alternative to the precision grade three piece rod ends with like housing material.

CTFD CTMD

CTFD and CTMD

- CTFD and CTMD series with self-lubricating Delrin* race for light duty applications where oil and grease should be avoided.
- The rod end utilizes a DELRIN acetal resin race material with lower coefficient of friction than metal to metal versions.
- Delrin material withstands vibration without galling or fretting and absorbs little moisture compared to bearings with nylon races.

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Multiple Configurations continued

CFF-Y

Sealmaster Rod Ends with Y-Studs

- Y-studs are available on Sealmaster TR/TRE, TR-N/TRE-N, CFF/CFM, CFF-N/CFM-N and CTFD/CTMD rod ends bore sizes from 3/16" to 3/4".
- They are designed to facilitate right angle connections and accommodates up to ± 25 degrees of angular misalignment in any direction.
- The Y-stud contains a hex wrench flat to facilitate assembly advantages and are manufactured from carbon steel and plated for corrosion protection.
- Caution when selecting rod ends with Y-studs: Catalog load ratings are not applicable with Y-studs because of the reduced stud strength due to bending. For load ratings with Y-stud contact Application Engineering.

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Design Modifications

Sealmaster rod ends can be ordered with the following design modifications at an extra cost.

Stock Modifications	Design Modifications	Option Offered on These Series	Ordering Instructions and Example for Specifying
	Zerk Type Fitting	AR, ARE, ARE-20, TR, TRE, TF, TM, CFF, CFM	Add "N" to part number suffix Example: TRE-8N (available on sizes 4-16 only) Caution: Catalog load ratings of rod ends are not applicable when grease fittings are specified, because of the reduced cross section of the head. When selecting rod ends with grease fittings, consult Application Engineering for static load capacities.
	Y-Studs	TR, TRE, TF, TM, CFF, CFM, CFF-T, CFM-T, CTFD, CTMD	Add "Y" to part number suffix Example: TRE-8Y (see page J-37 for stud specifications) Caution when selecting rod ends with Y-studs: Catalog load ratings are not applicable with Y-studs because of the reduced stud strength due to bending. For load ratings with Y-stud contact Application Engineering.
Special Modifications	**Design Modifications**	**Option Offered on These Series**	**Ordering Instructions and Example for Specifying**
	Alloy Steel Race	AR, ARE, ARE-20, TR, TRE	Add "S" to part number suffix Example ARE-8S
	Stainless Steel Race	AR, ARE, ARE-20, TR, TRE	Add "SS" to part number suffix Example TRE-6SS

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Rod End Bearings

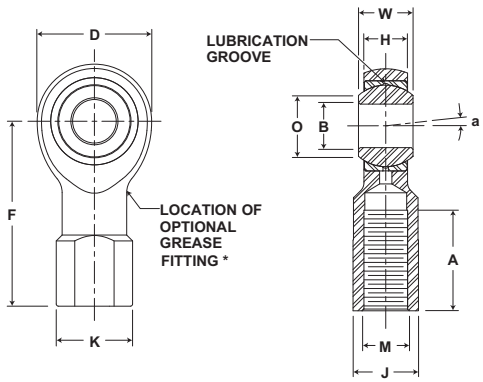
SEALMASTER®

Basic Construction Type: Female 3 pc. Extra Capacity, Precision

Outer Member Material: Alloy Steel, Heat Treated Protective Plating for Corrosion Resistance

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



AR, AR-N Series Rod Ends

Part No.	Dimensions inch / mm											Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	K	J	Ball Diam.	O			
	+.0015 -.0005	+.000 -.005	+.005 -.005	+.010 -.010	+.010 -.010	Min.	Class UNF-3B	Ref.	+.010 -.010	Ref.	Ref.		Deg. +/-	
AR-3	.1900	.312	.250	.625	1.062	.531	#10-32	.375	.312	.437	.306	3700	6 1/2	.030
	4.826	7.92	6.35	15.88	26.97	13.49		9.53	7.92	11.10	7.77	16458		.014
AR-4	.2500	.375	.281	.750	1.312	.719	1/4-28	.469	.375	.500	.331	5370	8	.060
	6.350	9.53	7.14	19.05	33.32	18.26		11.91	9.53	12.70	8.41	23887		.027
AR-5	.3125	.437	.344	.875	1.375	.719	5/16-24	.531	.437	.625	.447	7500	7	.080
	7.938	11.10	8.74	22.23	34.93	18.26		13.49	11.10	15.88	11.35	33362		.036
AR-6	.3750	.500	.406	1.000	1.625	.906	3/8-24	.688	.562	.718	.517	9570	6	.140
	9.525	12.70	10.31	25.40	41.28	23.01		17.48	14.27	18.24	13.13	42569		.064
AR-7	.4375	.562	.437	1.125	1.812	1.031	7/16-20	.750	.625	.812	.586	11000	7	.180
	11.113	14.27	11.10	28.58	46.02	26.19		19.05	15.88	20.62	14.88	48930		.082
AR-8	.5000	.625	.500	1.312	2.125	1.156	1/2-20	.875	.750	.937	.698	13500	6	.290
	12.700	15.88	12.70	33.32	53.98	29.36		22.23	19.05	23.80	17.73	60051		.132
AR-10	.6250	.750	.562	1.500	2.500	1.469	5/8-18	1.000	.875	1.125	.839	17300	8	.430
	15.875	19.05	14.27	38.10	63.50	37.31		25.40	22.23	28.58	21.31	76954		.195
AR-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.125	1.000	1.312	.978	23200	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		28.58	25.40	33.32	24.84	103199		.290

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the AR-N series; Example: AR-8N.
2. Grease fittings are available on sizes 4 through 12 only.
*3. Load ratings apply to the AR series only. For AR-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter “L” to part number prefix; Example: ARL-8.
5. For design modifications, see page J-13.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Rod End Bearings

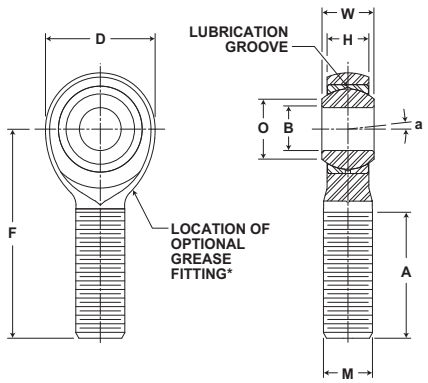
Basic Construction Type: Male 3 pc. Extra Capacity, Precision

Outer Member Material: Alloy Steel, Heat Treated Protective Plating for Corrosion Resistance

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated

Feature: Large Shank



ARE-20, ARE-20N Series Male Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0015 -.0005	+.000 -.005	+.005 -.005	+.010 -.010	+.010 -.010	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
ARE-3-20	.1900	.312	.250	.625	1.250	.719	1/4-28	.437	.306	3700	6 1/2	.030
	4.826	7.92	6.35	15.88	31.75	18.26		11.10	7.77	16458		.014
ARE-4-20	.2500	.375	.281	.750	1.562	.969	5/16-24	.500	.331	5370	8	.060
	6.350	9.53	7.14	19.05	39.67	24.61		12.70	8.41	23887		.027
ARE-5-20	.3125	.437	.344	.875	1.875	1.219	3/8-24	.625	.447	7500	7	.090
	7.938	11.10	8.74	22.23	47.63	30.96		15.88	11.35	33362		.041
ARE-6-20	.3750	.500	.406	1.000	1.938	1.219	7/16-20	.718	.517	9570	6	.130
	9.525	12.70	10.31	25.40	49.23	30.96		18.24	13.13	42569		.059
ARE-7-20	.4375	.562	.437	1.125	2.125	1.344	1/2-20	.812	.586	11000	7	.180
	11.113	14.27	11.10	28.58	53.98	34.14		20.62	14.88	48930		.082
ARE-8-20	.5000	.625	.500	1.312	2.438	1.469	5/8-18	.937	.698	13500	6	.300
	12.700	15.88	12.70	33.32	61.93	37.31		23.80	17.73	60051		.136
ARE-10-20	.6250	.750	.562	1.500	2.625	1.594	3/4-16	1.125	.839	17300	8	.460
	15.875	19.05	14.27	38.10	66.68	40.49		28.58	21.31	76954		.209
ARE-12-20	.7500	.875	.687	1.750	2.875	1.719	7/8-14	1.312	.978	23200	7	.720
	19.050	22.23	17.45	44.45	73.03	43.66		33.32	24.84	103199		.327

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the ARE-20N series; Example: ARE-8-20N.
2. Grease fittings are available on sizes 4 through 12 only.
*3. Load ratings apply to the ARE-20 series only. For ARE-20N load ratings contact Application Engineering.
4. To order left hand threaded units add letter "L" to part number prefix; Example: AREL-8-20.
5. For design modifications, see page J-13.

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Rod End Bearings

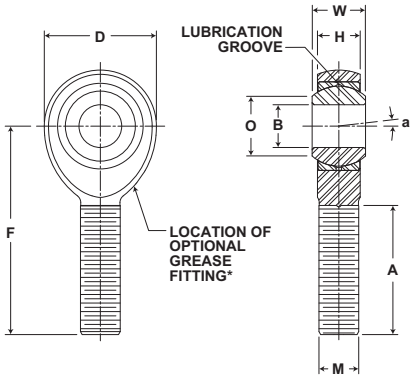
SEALMASTER®

Basic Construction Type: Male 3 pc. Extra Capacity, Precision

Outer Member Material: Alloy Steel, Heat Treated Protective Plating for Corrosion Resistance

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



ARE, ARE-N Series Male Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0015 -.0005	+.000 -.005	+.005 -.005	+.010 -.010	+.010 -.010	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
ARE-3	.1900	.312	.250	.625	1.250	.719	#10-32	.437	.306	2850	6 1/2	.030
	4.826	7.92	6.35	15.88	31.75	18.26		11.10	7.77	12677		.014
ARE-4	.2500	.375	.281	.750	1.562	.969	1/4-28	.500	.331	4480	8	.050
	6.350	9.53	7.14	19.05	39.67	24.61		12.70	8.41	19928		.023
ARE-5	.3125	.437	.344	.875	1.875	1.219	5/16-24	.625	.447	7280	7	.080
	7.938	11.10	8.74	22.23	47.63	30.96		15.88	11.35	32383		.036
ARE-6	.3750	.500	.406	1.000	1.938	1.219	3/8-24	.718	.517	9580	6	.120
	9.525	12.70	10.31	25.40	49.23	30.96		18.24	13.13	42614		.054
ARE-7	.4375	.562	.437	1.125	2.125	1.344	7/16-20	.812	.586	11000	7	.170
	11.113	14.27	11.10	28.58	53.98	34.14		20.62	14.88	48930		.077
ARE-8	.5000	.625	.500	1.312	2.438	1.469	1/2-20	.937	.698	13500	6	.260
	12.700	15.88	12.70	33.32	61.93	37.31		23.80	17.73	60051		.118
ARE-10	.6250	.750	.562	1.500	2.625	1.594	5/8-18	1.125	.839	17300	8	.410
	15.875	19.05	14.27	38.10	66.68	40.49		28.58	21.31	76954		.186
ARE-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.312	.978	23200	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		33.32	24.84	103199		.290

NOTES

1. Rod ends with Zerk type grease fittings can be obtained by ordering the ARE-N series; Example: ARE-8N.
2. Grease fittings are available on sizes 4 through 12 only.
*3. Load ratings apply to the ARE series only. For ARE-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter “L” to part number prefix; Example: AREL-8.
5. For design modifications, see page J-13.

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SUMINISTROS INDUSTRIALES DÍAZ

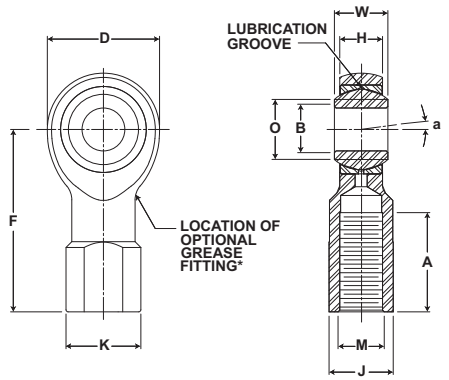
SEALMASTER® Rod End Bearings

Basic Construction Type: Female 3 pc. General Purpose, Precision

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



TR, TR-N Series Female Rod Ends

Part No.	Dimensions inch / mm											Max Static Radial Load	Misalignment Angle a	Unit Wt.
	B	W	H	D	F	A	M	K	J	Ball Diam.	O			
	+.0015 -.0005	+.000 -.005	+.005 -.005	+.010 -.010	+.015 -.015	Min.	Class UNF-2B	Ref.	+.010 -.010	Ref.	Ref.	lb/N	Deg. +/-	lb/kg
TR-3	.1900	.312	.250	.625	1.062	.531	#10-32	.375	.312	.437	.306	1850	6 1/2	.030
	4.826	7.92	6.35	15.88	26.97	13.49		9.53	7.92	11.10	7.77	8229		.014
TR-4	.2500	.375	.281	.750	1.312	.719	1/4-28	.469	.375	.500	.331	2700	8	.060
	6.350	9.53	7.14	19.05	33.32	18.26		11.91	9.53	12.70	8.41	12010		.027
TR-5	.3125	.437	.344	.875	1.375	.719	5/16-24	.531	.437	.625	.447	3350	7	.080
	7.938	11.10	8.74	22.23	34.93	18.26		13.49	11.10	15.88	11.35	14902		.036
TR-6	.3750	.500	.406	1.000	1.625	.906	3/8-24	.688	.562	.718	.517	4450	6	.140
	9.525	12.70	10.31	25.40	41.28	23.01		17.48	14.27	18.24	13.13	19795		.064
TR-7	.4375	.562	.437	1.125	1.812	1.031	7/16-20	.750	.625	.812	.586	5350	7	.180
	11.113	14.27	11.10	28.58	46.02	26.19		19.05	15.88	20.62	14.88	23798		.082
TR-8	.5000	.625	.500	1.312	2.125	1.156	1/2-20	.875	.750	.937	.698	7400	6	.290
	12.700	15.88	12.70	33.32	53.98	29.36		22.23	19.05	23.80	17.73	32917		.132
TR-10	.6250	.750	.562	1.500	2.500	1.469	5/8-18	1.000	.875	1.125	.839	8050	8	.430
	15.875	19.05	14.27	38.10	63.50	37.31		25.40	22.23	28.58	21.31	35808		.195
TR-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.125	1.000	1.312	.978	11300	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		28.58	25.40	33.32	24.84	50265		.290
** TR-16	1.0000	1.375	1.000	2.750	4.125	2.094	1 1/4-12	1.688	1.500	1.875	1.269	21000	8 1/2	2.250
	25.400	34.93	25.40	69.85	104.78	53.19		42.88	38.10	47.63	32.23	93413		1.021

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the TR-N series; Example: TR-8N.
2. Grease fittings are available on sizes 4 through 16 only.
*3. Load ratings apply to the TR series only. For TR-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter “L” to part number prefix; Example: TRL-8.
5. Add letter "Y" to the part number suffix to indicate stud. Example: TR-8Y.
6. For design modifications, see page J-13.
**7. Tolerances for "D" dimensions is +.030, -.010. For "H" dimensions is +.030, -.010.

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Rod End Bearings

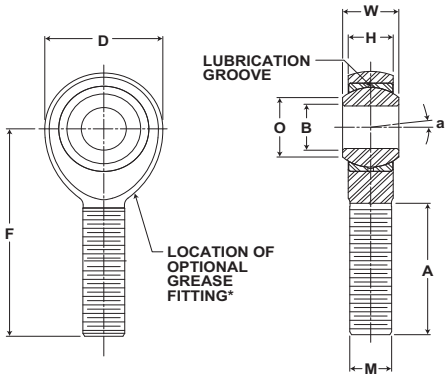
SEALMASTER®

Basic Construction Type: Male 3 pc. General Purpose, Precision

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



TRE, TRE-N Series Female Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0015 -.0005	+.000 -.005	+.005 -.005	+.010 -.010	+.015 -.015	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
TRE-3	.1900	.312	.250	.625	1.250	.719	#10-32	.437	.306	900	6 1/2	.030
	4.826	7.92	6.35	15.88	31.75	18.26		11.10	7.77	4003		.014
TRE-4	.2500	.375	.281	.750	1.562	.969	1/4-28	.500	.331	1700	8	.050
	6.350	9.53	7.14	19.05	39.67	24.61		12.70	8.41	7562		.023
TRE-5	.3125	.437	.344	.875	1.875	1.219	5/16-24	.625	.447	2500	7	.080
	7.938	11.10	8.74	22.23	47.63	30.96		15.88	11.35	11121		.036
TRE-6	.3750	.500	.406	1.000	1.938	1.219	3/8-24	.718	.517	4000	6	.120
	9.525	12.70	10.31	25.40	49.23	30.96		18.24	13.13	17793		.054
TRE-7	.4375	.562	.437	1.125	2.125	1.344	7/16-20	.812	.586	5000	7	.170
	11.113	14.27	11.10	28.58	53.98	34.14		20.62	14.88	22241		.077
TRE-8	.5000	.625	.500	1.312	2.438	1.469	1/2-20	.937	.698	7000	6	.260
	12.700	15.88	12.70	33.32	61.93	37.31		23.80	17.73	31138		.118
TRE-10	.6250	.750	.562	1.500	2.625	1.594	5/8-18	1.125	.839	8050	8	.410
	15.875	19.05	14.27	38.10	66.68	40.49		28.58	21.31	35808		.186
TRE-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.312	.978	11300	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		33.32	24.84	50265		.290
** TRE-16	1.0000	1.375	1.000	2.750	4.125	2.094	1 1/4-12	1.875	1.269	21000	8 1/2	2.250
	25.400	34.93	25.40	69.85	104.78	53.19		47.63	32.23	93413		1.021

NOTES

1. Rod ends with Zerk type grease fittings can be obtained by ordering the TRE-N series; Example: TRE-8N.
2. Grease fittings are available on sizes 4 through 16 only.
*3. Load ratings apply to the TRE series only. For TRE-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter “L” to part number prefix; Example: TREL-8.
5. Add letter “Y” to the part number suffix to indicate stud; Example: TRE-8Y.
6. For design modifications, see page J-13.
** 7. Tolerances for “D” Dimension is +.030, -.010. For “H” Dimension is +.030, -.010.

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SUMINISTROS INDUSTRIALES DÍAZ

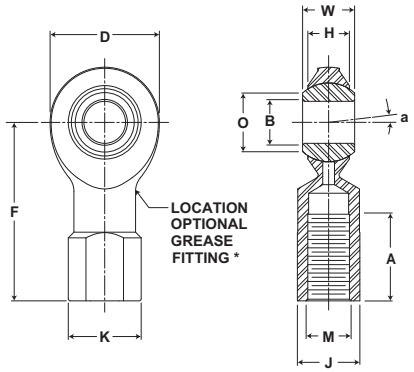
SEALMASTER® Rod End Bearings

Basic Construction Type: Female 2 pc. General Purpose, Precision

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated

Feature: PTFE Fabric Liner



CFF-T Series Female Rod Ends

Part No.	Dimensions inch / mm											Max Static Radial Load lb/N	Misalignment Angle a Deg. +/-	Unit Wt. lb/kg
	B +.0015 -.0005	W +.000 -.005	H +.015 -.015	D +.031 -.031	F +.015 -.015	A Min.	M Class UNF-2B	K Ref.	J +.010 -.010	Ball Diam. Ref.	O Ref.			
CFF-3T	.1900 4.826	.312 7.92	.250 6.35	.625 15.88	1.062 26.97	.469 11.91	#10-32	.375 9.53	.312 7.92	.437 11.10	.306 7.77	865 3848	6 1/2	.030 .014
CFF-4T	.2500 6.350	.375 9.53	.281 7.14	.750 19.05	1.312 33.32	.656 16.66	1/4-28	.469 11.91	.375 9.53	.500 12.70	.331 8.41	1550 6895	8	.060 .027
CFF-5T	.3125 7.938	.437 11.10	.344 8.74	.875 22.23	1.375 34.93	.656 16.66	5/16-24	.531 13.49	.437 11.10	.625 15.88	.447 11.35	2080 9252	7	.080 .036
CFF-6T	.3750 9.525	.500 12.70	.406 10.31	1.000 25.40	1.625 41.28	.781 19.84	3/8-24	.688 17.48	.562 14.27	.718 18.24	.517 13.13	2950 13122	6	.140 .064
CFF-7T	.4375 11.113	.562 14.27	.437 11.10	1.125 28.58	1.812 46.02	.906 23.01	7/16-20	.750 19.05	.625 15.88	.812 20.62	.586 14.88	3160 14056	7	.180 .082
CFF-8T	.5000 12.700	.625 15.88	.500 12.70	1.312 33.32	2.125 53.98	1.031 26.19	1/2-20	.875 22.23	.750 19.05	.937 23.80	.698 17.73	4920 21885	6	.290 .132
CFF-10T	.6250 15.875	.750 19.05	.562 14.27	1.500 38.10	2.500 63.50	1.344 34.14	5/8-18	1.000 25.40	.875 22.23	1.125 28.58	.839 21.31	5460 24287	8	.430 .195
CFF-12T	.7500 19.050	.875 22.23	.687 17.45	1.750 44.45	2.875 73.03	1.531 38.89	3/4-16	1.125 28.58	1.000 25.40	1.312 33.32	.978 24.84	8300 36920	7	.640 .290
CFF-16T	1.0000 25.400	1.375 34.93	1.000 25.40	2.750 69.85	4.125 104.78	2.000 50.80	1 1/4-12	1.688 42.88	1.500 38.10	1.875 47.63	1.269 32.23	21000 93413	8 1/2	2.250 1.021

NOTES
1. To order left hand threaded units add letter “L” to part number prefix; Example: CFFL-8T.
2. “T” in part number prefix indicates PTFE liner.
3. Add letter “Y” to the part number suffix to indicate stud; Example: CFF-8TY.
4. For design modifications, see page J-13.

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SUMINISTROS INDUSTRIALES DÍAZ

Rod End Bearings

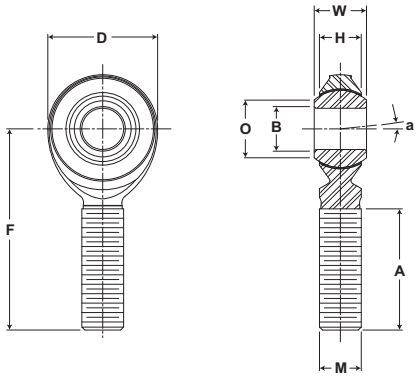
SEALMASTER®

Basic Construction Type: Male 2 pc. General Purpose, Precision

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated

Feature: PTFE Fabric Liner



CFM-T Series Male Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0015 -.0005	+.000 -.005	+.015 -.015	+.031 -.031	+.015 -.015	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
CFM-3T	.1900	.312	.250	.625	1.250	.719	#10-32	.437	.306	865	6 1/2	.030
	4.826	7.92	6.35	15.88	31.75	18.26		11.10	7.77	3848		.014
CFM-4T	.2500	.375	.281	.750	1.562	.969	1/4-28	.500	.331	1550	8	.050
	6.350	9.53	7.14	19.05	39.67	24.61		12.70	8.41	6895		.023
CFM-5T	.3125	.437	.344	.875	1.875	1.219	5/16-24	.625	.447	2080	7	.080
	7.938	11.10	8.74	22.23	47.63	30.96		15.88	11.35	9252		.036
CFM-6T	.3750	.500	.406	1.000	1.938	1.219	3/8-24	.718	.517	2950	6	.120
	9.525	12.70	10.31	25.40	49.23	30.96		18.24	13.13	13122		.054
CFM-7T	.4375	.562	.437	1.125	2.125	1.344	7/16-20	.812	.586	3160	7	.170
	11.113	14.27	11.10	28.58	53.98	34.14		20.62	14.88	14056		.077
CFM-8T	.5000	.625	.500	1.312	2.438	1.469	1/2-20	.937	.698	4920	6	.260
	12.700	15.88	12.70	33.32	61.93	37.31		23.80	17.73	21885		.118
CFM-10T	.6250	.750	.562	1.500	2.625	1.594	5/8-18	1.125	.839	5460	8	.410
	15.875	19.05	14.27	38.10	66.68	40.49		28.58	21.31	24287		.186
CFM-12T	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.312	.978	8300	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		33.32	24.84	36920		.290
CFM-16T	1.0000	1.375	1.000	2.750	4.125	2.094	1 1/4-12	1.875	1.269	21000	8 1/2	2.250
	25.400	34.93	25.40	69.85	104.78	53.19		47.63	32.23	93413		1.021

NOTES
1. To order left hand threaded units add letter “L” to part number prefix. Example: CFML-8T.
2. “T” in part number prefix indicates PTFE liner.
3. Add letter “Y” to the part number suffix to indicate stud; Example: CFM-8TY.
4. For design modifications, see page J-13.

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SUMINISTROS INDUSTRIALES DÍAZ

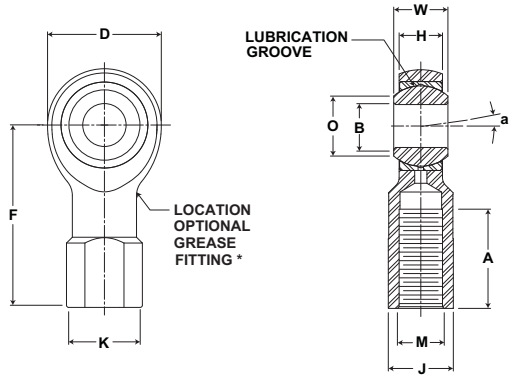
SEALMASTER® Rod End Bearings

Basic Construction Type: Female 3 pc. General Purpose, Commercial

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Bronze

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



TF, TF-N Series Female Rod Ends

Part No.	Dimensions inch / mm											Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	K	J	Ball Diam.	O			
	+.0025 -.0005	+.000 -.005	+.010 -.010	+.031 -.031	+.015 -.015	Min.	Class UNF-2B	Ref.	+.010 -.010	Ref.	Ref.		Deg. +/-	
TF-3	.1900	.312	.250	.625	1.062	.531	#10-32	.375	.312	.437	.306	1850	6 1/2	.030
	4.826	7.92	6.35	15.88	26.97	13.49		9.53	7.92	11.10	7.77	8229		.014
TF-4	.2500	.375	.281	.750	1.312	.719	1/4-28	.469	.375	.500	.331	2700	8	.060
	6.350	9.53	7.14	19.05	33.32	18.26		11.91	9.53	12.70	8.41	12010		.027
TF-5	.3125	.437	.344	.875	1.375	.719	5/16-24	.531	.437	.625	.447	3350	7	.080
	7.938	11.10	8.74	22.23	34.93	18.26		13.49	11.10	15.88	11.35	14902		.036
TF-6	.3750	.500	.406	1.000	1.625	.906	3/8-24	.688	.562	.718	.517	4450	6	.140
	9.525	12.70	10.31	25.40	41.28	23.01		17.48	14.27	18.24	13.13	19795		.064
TF-7	.4375	.562	.437	1.125	1.812	1.031	7/16-20	.750	.625	.812	.586	5350	7	.180
	11.113	14.27	11.10	28.58	46.02	26.19		19.05	15.88	20.62	14.88	23798		.082
TF-8	.5000	.625	.500	1.312	2.125	1.156	1/2-20	.875	.750	.937	.698	7400	6	.290
	12.700	15.88	12.70	33.32	53.98	29.36		22.23	19.05	23.80	17.73	32917		.132
TF-10	.6250	.750	.562	1.500	2.500	1.469	5/8-18	1.000	.875	1.125	.839	8050	8	.430
	15.875	19.05	14.27	38.10	63.50	37.31		25.40	22.23	28.58	21.31	35808		.195
TF-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.125	1.000	1.312	.978	11300	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		28.58	25.40	33.32	24.84	50265		.290

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the TF-N series; Example: TF-8N.
2. Grease fittings are available on sizes 4 through 12 only.
*3. Load ratings apply to the TF series only. For TF-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter "L" to part number prefix; Example: TFL-8.
5. Add letter "Y" to the part number suffix to indicate stud; Example: TF-8Y.
6. For design modifications, see page J-13.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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Rod End Bearings

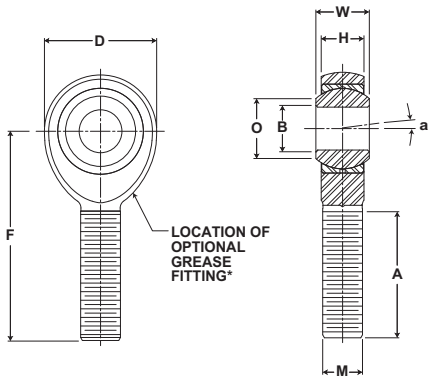
SEALMASTER®

Basic Construction Type: Male 3 pc. General Purpose, Commercial

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Bronze

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



TM, TM-N Series Male Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0025 -.0005	+.000 -.005	+.010 -.010	+.031 -.031	+.015 -.015	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
TM-3	.1900	.312	.250	.625	1.250	.719	#10-32	.437	.306	900	6 1/2	.030
	4.826	7.92	6.35	15.88	31.75	18.26		11.10	7.77	4003		.014
TM-4	.2500	.375	.281	.750	1.562	.969	1/4-28	.500	.331	1700	8	.050
	6.350	9.53	7.14	19.05	39.67	24.61		12.70	8.41	7562		.023
TM-5	.3125	.437	.344	.875	1.875	1.219	5/16-24	.625	.447	2500	7	.080
	7.938	11.10	8.74	22.23	47.63	30.96		15.88	11.35	11121		.036
TM-6	.3750	.500	.406	1.000	1.938	1.219	3/8-24	.718	.517	4000	6	.120
	9.525	12.70	10.31	25.40	49.23	30.96		18.24	13.13	17793		.054
TM-7	.4375	.562	.437	1.125	2.125	1.344	7/16-20	.812	.586	5000	7	.170
	11.113	14.27	11.10	28.58	53.98	34.14		20.62	14.88	22241		.077
TM-8	.5000	.625	.500	1.312	2.438	1.469	1/2-20	.937	.698	7000	6	.260
	12.700	15.88	12.70	33.32	61.93	37.31		23.80	17.73	31138		.118
TM-10	.6250	.750	.562	1.500	2.625	1.594	5/8-18	1.125	.839	8050	8	.410
	15.875	19.05	14.27	38.10	66.68	40.49		28.58	21.31	35808		.186
TM-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.312	.978	11300	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		33.32	24.84	50265		.290

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the TM-N series; Example: TM-8N.
2. Grease fittings are available on sizes 4 through 12 only.
*3. Load ratings apply to the TM series only. For TM-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter “L” to part number prefix; Example: TML-8.
5. Add letter “Y” to the part number suffix to indicate stud; Example: TM-8Y.
6. For design modifications, see page J-13.

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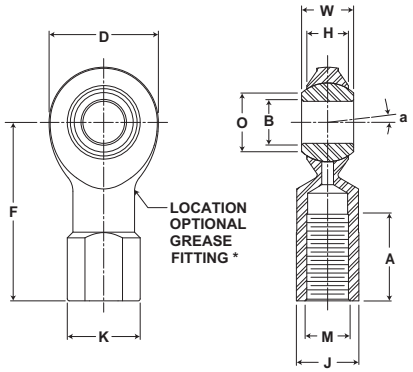
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Rod End Bearings

Basic Construction Type: Female 2 pc. General Purpose, Commercial

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



CFF, CFF-N Series Female Rod Ends

Part No.	Dimensions inch / mm											Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	K	J	Ball Diam.	O			
	+.0025 -.0005	+.005 -.005	+.015 -.015	+.031 -.031	+.015 -.015	Min.	Class UNF-2B	Ref.	+.010 -.010	Ref.	Ref.		Deg. +/-	
CFF-3	.1900	.312	.250	.625	1.062	.469	#10-32	.375	.312	.437	.306	2000	6 1/2	.030
	4.826	7.92	6.35	15.88	26.97	11.91		9.53	7.92	11.10	7.77	8896		.014
CFF-4	.2500	.375	.281	.750	1.312	.656	1/4-28	.469	.375	.500	.331	3200	8	.060
	6.350	9.53	7.14	19.05	33.32	16.66		11.91	9.53	12.70	8.41	14234		.027
CFF-5	.3125	.437	.344	.875	1.375	.656	5/16-24	.531	.437	.625	.447	3800	7	.080
	7.938	11.10	8.74	22.23	34.93	16.66		13.49	11.10	15.88	11.35	16903		.036
CFF-6	.3750	.500	.406	1.000	1.625	.781	3/8-24	.688	.562	.718	.517	5000	6	.140
	9.525	12.70	10.31	25.40	41.28	19.84		17.48	14.27	18.24	13.13	22241		.064
CFF-7	.4375	.562	.437	1.125	1.812	.906	7/16-20	.750	.625	.812	.586	6500	7	.180
	11.113	14.27	11.10	28.58	46.02	23.01		19.05	15.88	20.62	14.88	28913		.082
CFF-8	.5000	.625	.500	1.312	2.125	1.031	1/2-20	.875	.750	.937	.698	9000	6	.290
	12.700	15.88	12.70	33.32	53.98	26.19		22.23	19.05	23.80	17.73	40034		.132
CFF-10	.6250	.750	.562	1.500	2.500	1.344	5/8-18	1.000	.875	1.125	.839	10000	8	.430
	15.875	19.05	14.27	38.10	63.50	34.14		25.40	22.23	28.58	21.31	44482		.195
CFF-12	.7500	.875	.687	1.750	2.875	1.531	3/4-16	1.125	1.000	1.312	.978	14000	7	.640
	19.050	22.23	17.45	44.45	73.03	38.89		28.58	25.40	33.32	24.84	62275		.290
CFF-16	1.0000	1.375	1.000	2.750	4.125	2.000	1 1/4-12	1.688	1.500	1.875	1.269	25200	8 1/2	2.250
	25.400	34.93	25.40	69.85	104.78	50.80		42.88	38.10	47.63	32.23	112095		1.021

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the CFF-N series; Example: CFF-8N.
2. Grease fittings are available on sizes 4 through 16 only.
*3. Load ratings apply to the CFF series only. For CFF-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter "L" to part number prefix; Example: CFFL-8.
5. Add letter "Y" to the part number suffix to indicate stud; Example: CFF-8Y.
6. For design modifications, see page J-13.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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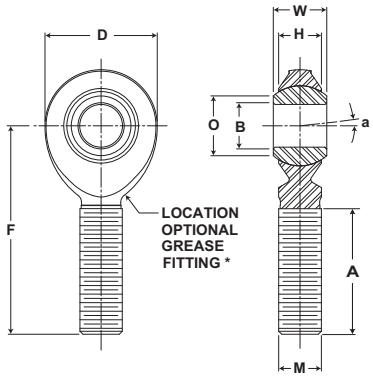
Basic Construction Type: Male 2 pc. General Purpose, Commercial

Outer Member Material Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



CFM, CFM-N Series Male Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0025 -.0005	+.005 -.005	+.015 -.015	+.031 -.031	+.015 -.015	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
CFM-3	.1900	.312	.250	.625	1.250	.719	#10-32	.437	.306	950	6 1/2	.030
	4.826	7.92	6.35	15.88	31.75	18.26		11.10	7.77	4226		.014
CFM-4	.2500	.375	.281	.750	1.562	.969	1/4-28	.500	.331	2000	8	.050
	6.350	9.53	7.14	19.05	39.67	24.61		12.70	8.41	8896		.023
CFM-5	.3125	.437	.344	.875	1.875	1.219	5/16-24	.625	.447	3000	7	.080
	7.938	11.10	8.74	22.23	47.63	30.96		15.88	11.35	13345		.036
CFM-6	.3750	.500	.406	1.000	1.938	1.219	3/8-24	.718	.517	5000	6	.110
	9.525	12.70	10.31	25.40	49.23	30.96		18.24	13.13	22241		.050
CFM-7	.4375	.562	.437	1.125	2.125	1.344	7/16-20	.812	.586	6500	7	.160
	11.113	14.27	11.10	28.58	53.98	34.14		20.62	14.88	28913		.073
CFM-8	.5000	.625	.500	1.312	2.438	1.469	1/2-20	.937	.698	9000	6	.240
	12.700	15.88	12.70	33.32	61.93	37.31		23.80	17.73	40034		.109
CFM-10	.6250	.750	.562	1.500	2.625	1.594	5/8-18	1.125	.839	10000	8	.400
	15.875	19.05	14.27	38.10	66.68	40.49		28.58	21.31	44482		.181
CFM-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.312	.978	14000	7	.630
	19.050	22.23	17.45	44.45	73.03	43.66		33.32	24.84	62275		.286
CFM-16	1.0000	1.375	1.000	2.750	4.125	2.094	1 1/4-12	1.875	1.269	25200	8 1/2	2.250
	25.400	34.93	25.40	69.85	104.78	53.19		47.63	32.23	112095		1.021

NOTES
1. Rod ends with Zerk type grease fittings can be obtained by ordering the CFM-N series; Example: CFM-8N.
2. Grease fittings are available on sizes 4 through 16 only.
*3. Load ratings apply to the CFM series only. For CFM-N load ratings contact Application Engineering.
4. To order left hand threaded units add letter “L” to part number prefix; Example: CFML-8.
5. Add letter “Y” to the part number suffix to indicate stud; Example: CFM-8Y.
6. For design modifications, see page J-13.

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SEALMASTER® Rod End Bearings

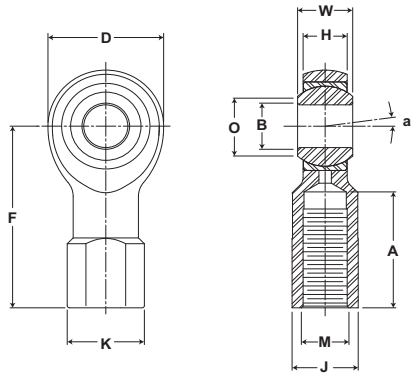
Basic Construction Type: Female 3 pc. General Purpose, Commercial

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Delrin*

Ball Material: Alloy Steel, Heat Treated, Chrome Plated

Feature: Self-Lubricating



CTFD Series Female Rod Ends

Part No.	Dimensions inch / mm											Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	K	J	Ball Diam.	O			
	+.0025 -.0005	+.005 -.005	+.010 -.010	+.031 -.031	+.015 -.015	Min.	Class UNF-2B	Ref.	+.010 -.010	Ref.	Ref.		Deg. +/-	
CTFD-3	.1900	.312	.250	.625	1.062	.531	#10-32	.375	.312	.437	.306	800	6 1/2	.030
	4.826	7.92	6.35	15.88	26.97	13.49		9.53	7.92	11.10	7.77	3559		.014
CTFD-4	.2500	.375	.281	.750	1.312	.719	1/4-28	.469	.375	.500	.331	1060	8	.060
	6.350	9.53	7.14	19.05	33.32	18.26		11.91	9.53	12.70	8.41	4715		.027
CTFD-5	.3125	.437	.344	.875	1.375	.719	5/16-24	.531	.437	.625	.447	1570	7	.080
	7.938	11.10	8.74	22.23	34.93	18.26		13.49	11.10	15.88	11.35	6984		.036
CTFD-6	.3750	.500	.406	1.000	1.625	.906	3/8-24	.688	.562	.718	.517	2150	6	.140
	9.525	12.70	10.31	25.40	41.28	23.01		17.48	14.27	18.24	13.13	9564		.064
CTFD-7	.4375	.562	.437	1.125	1.812	1.031	7/16-20	.750	.625	.812	.586	2600	7	.180
	11.113	14.27	11.10	28.58	46.02	26.19		19.05	15.88	20.62	14.88	11565		.082
CTFD-8	.5000	.625	.500	1.312	2.125	1.156	1/2-20	.875	.750	.937	.698	3420	6	.290
	12.700	15.88	12.70	33.32	53.98	29.36		22.23	19.05	23.80	17.73	15213		.132
CTFD-10	.6250	.750	.562	1.500	2.500	1.469	5/8-18	1.000	.875	1.125	.839	4620	8	.430
	15.875	19.05	14.27	38.10	63.50	37.31		25.40	22.23	28.58	21.31	20551		.195
CTFD-12	.7500	.875	.687	1.750	2.875	1.719	3/4-16	1.125	1.000	1.312	.978	6600	7	.640
	19.050	22.23	17.45	44.45	73.03	43.66		28.58	25.40	33.32	24.84	29358		.290

NOTES
1. To order left hand threaded units add letter “L” to part number prefix; Example: CTFDL-8.
2. Add letter “Y” to the part number suffix to indicate stud; Example: CTFD-8Y.
3. For design modifications, see page J-13.
4. Caution: Prolonged exposure to ultraviolet light can cause loss of mechanical properties in DELRIN material. Consult Application Engineering for application assistance.

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Rod End Bearings SEALMASTER®

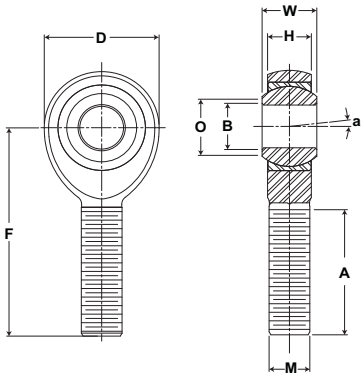
Basic Construction Type: Male 3 pc. General Purpose, Commercial

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Delrin*

Ball Material: Alloy Steel, Heat Treated, Chrome Plated

Feature: Self-Lubricating



CTMD Series Male Rod Ends

Part No.	Dimensions inch / mm									Max Static Radial Load lb/N	Misalignment Angle a	Unit Wt. lb/kg
	B	W	H	D	F	A	M	Ball Diam.	O			
	+.0025 -.0005	+.005 -.005	+.010 -.010	+.031 -.031	+.015 -.015	Min.	Class UNF-3A	Ref.	Ref.		Deg. +/-	
CTMD-3	.1900 4.826	.312 7.92	.250 6.35	.625 15.88	1.250 31.75	.719 18.26	#10-32	.437 11.10	.306 7.77	800 3559	6 1/2	.030 .014
CTMD-4	.2500 6.350	.375 9.53	.281 7.14	.750 19.05	1.562 39.67	.969 24.61	1/4-28	.500 12.70	.331 8.41	1060 4715	8	.050 .023
CTMD-5	.3125 7.938	.437 11.10	.344 8.74	.875 22.23	1.875 47.63	1.219 30.96	5/16-24	.625 15.88	.447 11.35	1570 6984	7	.080 .036
CTMD-6	.3750 9.525	.500 12.70	.406 10.31	1.000 25.40	1.938 49.23	1.219 30.96	3/8-24	.718 18.24	.517 13.13	2150 9564	6	.120 .054
CTMD-7	.4375 11.113	.562 14.27	.437 11.10	1.125 28.58	2.125 53.98	1.344 34.14	7/16-20	.812 20.62	.586 14.88	2600 11565	7	.170 .077
CTMD-8	.5000 12.700	.625 15.88	.500 12.70	1.312 33.32	2.438 61.93	1.469 37.31	1/2-20	.937 23.80	.698 17.73	3420 15213	6	.260 .118
CTMD-10	.6250 15.875	.750 19.05	.562 14.27	1.500 38.10	2.625 66.68	1.594 40.49	5/8-18	1.125 28.58	.839 21.31	4620 20551	8	.410 .186
CTMD-12	.7500 19.050	.875 22.23	.687 17.45	1.750 44.45	2.875 73.03	1.719 43.66	3/4-16	1.312 33.32	.978 24.84	6600 29358	7	.640 .290

NOTES
1. To order left hand threaded units add letter “L” to part number prefix; Example: CTMDL-8.
2. Add letter “Y” to the part number suffix to indicate stud; Example: CTMD-8Y.
3. For design modifications, see page J-13.
4. Caution: Prolonged exposure to ultraviolet light can cause loss of mechanical properties in DELRIN® material. Consult Application Engineering for application assistance.

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SUMINISTROS INDUSTRIALES DÍAZ

Sealmaster Spherical Plain Bearings

Sealmaster spherical plain bearings perform a similar function as rod end bearings and must be supported in a housing. Sealmaster spherical plain bearings are designed with a variety of outer race materials including steel, heat treated steel, bronze, stainless steel and heat treated stainless steel for flexibility in a wide range of application requirements. In addition Sealmaster spherical plain bearings can accommodate angular misalignment to provide ease in assembly and smooth motion transfer in a variety of applications.

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Spherical Plain Bearing Nomenclature

Series

SBG - **S**pherical **B**earing **G**rooved Race OD
COM - **Com**mercial
COR - **Cor**rosion Resistant
BTS - **B**ellow **T**ype **S**eal
BH - **B**earing **H**eavy Duty
FLBG - **B**earing **G**rooved Race OD

Bore Size

Number of 1/16" of inches (ex. 5 = 5/16")

Optional Suffix*

S - Heat Treated Outer Race (SBG only)
SS - Stainless Steel Outer Race and Ball (SBG only)
A - Groove in Ball ID and Interconnection Hole (SBG-S only)
LS - Low Carbon Steel Race (standard on BTS and BH)

SBG - 16 S

* Options listed may not be available on all sizes and configurations, refer to product tables or consult Application Engineering for more information.

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SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® *Spherical Plain Bearings*

Features and Benefits

One-piece Race

- Helps reduce pound-out in applications with high frequency oscillation, vibration or shock loading
- Improved spherical ball-race conformity for even load distribution
- Precision ball-race fit
- Outer race lubrication grooves and interconnecting hole in outer race to direct grease to the ball and race area. The outer races are chamfered to facilitate installation and retention into housings
- Steel, heat treated steel, stainless steel, and heat treated stainless steel materials

Ball

- Alloy steel heat treated and chrome plated for corrosion resistance
- Heat treated stainless steel balls for corrosion resistance

Multiple Configurations

Sealmaster SBG Precision Spherical Plain Bearings

- SBG series contain a bronze outer race and alloy steel, heat treated, chrome plated ball for wear resistance properties. This material combination provides for low coefficient of friction.

Sealmaster SBG-S Precision Spherical Plain Bearings

- SBG-S series utilize an alloy steel, heat treated outer race with protective coating for corrosion resistance and alloy steel, heat treated, chrome plated ball for wear resistance properties

Sealmaster SBG-SS Precision Spherical Plain Bearings

- SBG-SS series is manufactured with a 300 series stainless steel outer race for corrosion resistance and a stainless steel, heat treated ball for corrosion resistance.

Sealmaster SBG-SA Precision Spherical Plain Bearings

- SBG-SA series is the same as the SBG-S series and has a groove in ball ID and interconnecting hole to facilitate lubrication from the shaft into the bearing

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Multiple Configurations continued

Sealmaster COR Precision Spherical Plain Bearings

- COR series spherical plain bearings have a stainless steel, heat treated outer race for strength and corrosion resistance and stainless steel, heat treated ball for corrosion resistance

Sealmaster FLBG Precision Spherical Plain Bearings

- FLBG series is available in with a carbon steel outer race with protective coating for corrosion resistance and bronze race. Also contains an alloy steel, heat treated, chrome plated ball for wear resistance properties

Sealmaster COM Commercial Series Spherical Plain Bearings

- Bore sizes from 3/16” to 1”
- Materials include a carbon steel outer race with protective coating for corrosion resistance with an alloy steel, heat treated, chrome plated ball for wear resistance properties
- Outer race lubrication grooves and interconnecting hole in outer race direct grease to the ball and race area. The outer races are chamfered to facilitate installation and retention into housings

Sealmaster BH-LS Heavy Duty Spherical Plain Bearings

- Heavy duty bearings with radial static load capacities up to 221,000 lbs.
- Available in 1”, 1-3/16”, 1-1/4”, 1-1/2”, 1-3/4” and 2” bore sizes
- Materials include a carbon steel outer race with protective coating for corrosion resistance and alloy steel, heat treated, chrome plated ball for wear resistance properties
- Outer race lubrication grooves and interconnecting hole in outer race direct grease to the ball and race area. The outer races are chamfered to facilitate installation and retention into housings.

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SUMINISTROS INDUSTRIALES DÍAZ

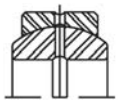
Multiple Configurations continued

Sealmaster BTS-LS Sealed Spherical Plain Bearings

- This is a sealed design for applications where the bearing is exposed to dirt, dust, moisture and contaminants. They are available in four bore sizes (3/4", 1", 1-1/4" and 1-1/2")
- Materials include a carbon steel outer race with protective coating for corrosion resistance and alloy steel, heat treated, chrome plated ball for wear resistance properties
- Integral nitrile rubber "bellows type" seals misalign with the bearing and help reduce contaminant entry as well as seal in lubricant.
- Outer race lubrication grooves and interconnecting hole in outer race direct grease to the ball and race area. The outer races are chamfered to facilitate installation and retention into housings.

Design Modifications

Sealmaster spherical plain bearings can be ordered with the following design modifications at an extra cost.

Special Modifications	Design Modifications	Option Offered on These Series	Ordering Instructions and Example for Specifying
	Groove on Ball I.D. and Interconnecting Hole	SBG	Add “A” to part number suffix Example: SBG-8A

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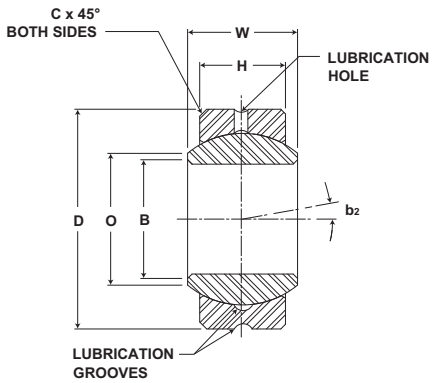
Spherical Plain Bearings

SEALMASTER®

Basic Construction Type: 2 pc. General Purpose, Precision

Race Material: Variable, See Below

Ball Material: Variable, See Below



SBG, SBG-S, SBG-SA, SBG-SS Series Spherical Plain Bearings

Part No.	Part No.	Part No.	Part No.	Dimensions inch / mm							Max Static Radial Load lb/N				Misalignment Angle b_2	Unit Wt. lb/kg
				B	D	W	H	C	Ball Diam.	O						
				+.0000 -.0005	+.0000 -.0005	+.000 -.005	+.005 -.005	Ref.	Ref.	Ref.	SBG	SBG-S	SBG-SA	SBG-SS	Deg. +/-	
SBG-3	SBG-3S	-	SBG-3SS	.1900	.5625	.281	.218	.025	.406	.293	2750	6480	-	4400	11 1/2	.020
				4.826	14.288	7.14	5.54	.64	10.31	7.44	12233	28824		19572		.009
SBG-4	SBG-4S	-	SBG-4SS	.2500	.6562	.343	.250	.025	.500	.364	4200	10000	-	6700	13 1/2	.020
				6.350	16.667	8.71	6.35	.64	12.70	9.25	18683	44482		29803		.009
SBG-5	SBG-5S	-	SBG-5SS	.3125	.7500	.375	.281	.025	.562	.419	5800	13900	-	9200	12	.030
				7.938	19.050	9.53	7.14	.64	14.27	10.64	25800	61830		40924		.014
SBG-6	SBG-6S	-	SBG-6SS	.3750	.8125	.406	.312	.030	.656	.515	7750	18700	-	12400	10	.040
				9.525	20.638	10.31	7.92	.76	16.66	13.08	34474	83182		55158		.018
SBG-7	SBG-7S	-	SBG-7SS	.4375	.9062	.437	.343	.035	.687	.530	9300	22300	-	14900	9 1/2	.050
				11.113	23.017	11.10	8.71	.89	17.45	13.46	41368	99195		66279		.023
SBG-8	SBG-8S	SBG-8SA	SBG-8SS	.5000	1.0000	.500	.390	.035	.781	.600	11200	26900	26900	17900	10	.070
				12.700	25.400	12.70	9.91	.89	19.84	15.24	49820	119657	119657	79623		.032
SBG-10	SBG-10S	SBG-10SA	SBG-10SS	.6250	1.1875	.625	.500	.035	.968	.739	20000	48000	48000	32000	9	.120
				15.875	30.163	15.88	12.70	.89	24.59	18.77	88964	213515	213515	142343		.054
SBG-12	SBG-12S	SBG-12SA	SBG-12SS	.7500	1.4375	.750	.593	.045	1.187	.920	30000	78000	78000	48000	9	.210
				19.050	36.513	19.05	15.06	1.14	30.15	23.37	133447	346961	346961	213515		.095
SBG-14	SBG-14S	SBG-14SA	SBG-14SS	.8750	1.5625	.875	.703	.045	1.312	.980	43000	103000	103000	69000	9 1/2	.270
				22.225	39.688	22.23	17.86	1.14	33.32	24.89	191274	458167	458167	306927		.122
SBG-16	SBG-16S	SBG-16SA	SBG-16SS	1.0000	1.7500	1.000	.797	.045	1.500	1.118	52000	125000	125000	83000	9 1/2	.380
				25.400	44.450	25.40	20.24	1.14	38.10	28.40	231308	556028	556028	369202		.172

NOTES:
1. Add letter “A” to suffix to indicate cross drilled oil hole in ball and race and a grooved I.D. on ball.
2. For design modifications, see page J-31.
3. For mounting information, see Recommended Housing Bore Diameters page J-43.

Material Specifications

SBG
Outer Race - Aluminum bronze
Ball - Alloy steel, heat treated, chrome plated

SBG-S
Outer Race - Alloy steel, heat treated with protective plating for corrosion resistance
Ball - Alloy steel, heat treated, chrome plated

SBG-SA
Outer Race - Alloy steel, heat treated with protective plating for corrosion resistance
Ball - Alloy steel, heat treated, chrome plated

SBG-SS
Outer Race - 300 series stainless steel
Ball - Stainless steel, heat treated

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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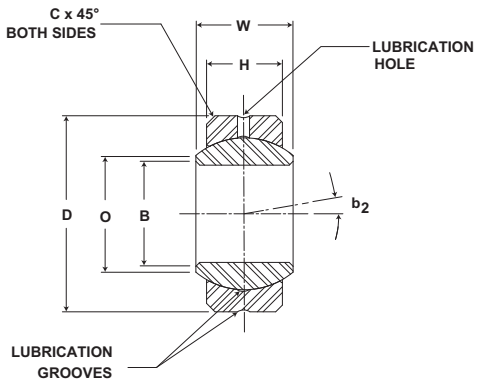
SUMINISTROS INDUSTRIALES DÍAZ

SEALMASTER® Spherical Plain Bearings

Basic Construction Type: 2 pc. Corrosion Resistant, Precision

Race Material: Stainless Steel, Heat Treated

Ball Material: Stainless Steel, Heat Treated



COR Series Spherical Plain Bearings

Part No.	Dimensions inch / mm							Max Static Radial Load lb/N	Misalignment Angle b_2	Unit Wt. lb/kg
	B	D	W	H	C	Ball Diam.	O			
	+.0000 -.0005	+.0000 -.0005	+.000 -.005	+.005 -.005	Ref.	Ref.	Ref.		Deg. +/-	
COR-3	.1900	.5625	.281	.218	.025	.406	.293	4800	11 1/2	.020
	4.826	14.288	7.14	5.54	.64	10.31	7.44	21351		.009
COR-4	.2500	.6562	.343	.250	.025	.500	.364	7500	13 1/2	.020
	6.350	16.667	8.71	6.35	.64	12.70	9.25	33362		.009
COR-5	.3125	.7500	.375	.281	.025	.562	.419	10400	12	.030
	7.938	19.050	9.53	7.14	.64	14.27	10.64	46262		.014
COR-6	.3750	.8125	.406	.312	.030	.656	.515	14000	10	.040
	9.525	20.638	10.31	7.92	.76	16.66	13.08	62275		.018
COR-8	.5000	1.0000	.500	.390	.035	.781	.600	20000	10	.070
	12.700	25.400	12.70	9.91	.89	19.84	15.24	88964		.032
COR-10	.6250	1.1875	.625	.500	.035	.968	.739	36000	9	.120
	15.875	30.163	15.88	12.70	.89	24.59	18.77	160136		.054
COR-12	.7500	1.4375	.750	.593	.045	1.187	.920	54000	9	.210
	19.050	36.513	19.05	15.06	1.14	30.15	23.37	240204		.095
COR-14	.8750	1.5625	.875	.703	.045	1.312	.980	77000	9 1/2	.270
	22.225	39.688	22.23	17.86	1.14	33.32	24.89	342513		.122
COR-16	1.0000	1.7500	1.000	.797	.045	1.500	1.118	93500	9 1/2	.380
	25.400	44.450	25.40	20.24	1.14	38.10	28.40	415909		.172

NOTES

1. For mounting information, see Recommended Housing Bore Diameters, page J-43.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

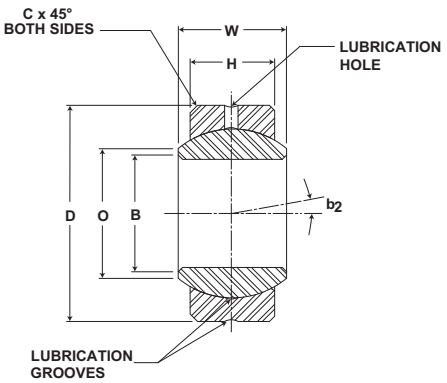
Spherical Plain Bearings

SEALMASTER®

Basic Construction Type: 2 pc. General Purpose, Commercial

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



COM Series Spherical Plain Bearings

Part No.	Dimensions inch / mm							Max Static Radial Load lb/N	Misalignment Angle b_2 Deg. +/-	Unit Wt. lb/kg
	B	D	W	H	C	Ball Diam.	O			
	+.0015 -.0005	+.0000 -.0007	+.000 -.005	+.005 -.005	Ref.	Ref.	Ref.			
COM-3	.1900 4.826	.5625 14.288	.281 7.14	.218 5.54	.025 .64	.406 10.31	.293 7.44	3250 14457	11 1/2	.020 .009
COM-4	.2500 6.350	.6562 16.667	.343 8.71	.250 6.35	.025 .64	.500 12.70	.364 9.25	4900 21796	13 1/2	.020 .009
COM-5	.3125 7.938	.7500 19.050	.375 9.53	.281 7.14	.025 .64	.562 14.27	.419 10.64	6450 28691	12	.030 .014
COM-6	.3750 9.525	.8125 20.638	.406 10.31	.312 7.92	.030 .76	.656 16.66	.515 13.08	8250 36698	10	.040 .018
COM-7	.4375 11.113	.9062 23.017	.437 11.10	.343 8.71	.035 .89	.687 17.45	.530 13.46	10200 45372	9 1/2	.050 .023
COM-8	.5000 12.700	1.0000 25.400	.500 12.70	.390 9.91	.035 .89	.781 19.84	.600 15.24	13600 60496	10	.070 .032
COM-10	.6250 15.875	1.1875 30.163	.625 15.88	.500 12.70	.035 .89	.968 24.59	.739 18.77	21000 93413	9	.120 .054
COM-12	.7500 19.050	1.4375 36.513	.750 19.05	.593 15.06	.045 1.14	1.187 30.15	.920 23.37	30000 133447	9	.210 .095
COM-14	.8750 22.225	1.5625 39.688	.875 22.23	.703 17.86	.045 1.14	1.312 33.32	.980 24.89	41100 182822	9 1/2	.270 .122
COM-16	1.0000 25.400	1.7500 44.450	1.000 25.40	.797 20.24	.045 1.14	1.500 38.10	1.118 28.40	54700 243318	9 1/2	.380 .172

NOTES

1. For mounting information, see Recommended Housing Bore Diameters, page J-43.

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SUMINISTROS INDUSTRIALES DÍAZ

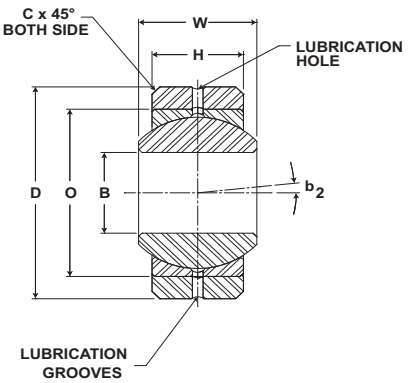
SEALMASTER® Spherical Plain Bearings

Basic Construction Type: 3 pc. General Purpose, Precision

Outer Member Material: Carbon Steel with Protective Plating for Corrosion Resistance

Race Material: Bronze

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



FLBG Series Spherical Plain Bearings

Part No.	Dimensions inch / mm							Max Static Radial Load lb/N	Misalignment Angle b_2	Unit Wt. lb/kg
	B	D	W	H	C	Ball Diam.	O			
	+.0000 -.0005	+.0000 -.0005	+.000 -.005	+.005 -.005	Ref.	Ref.	Ref.		Deg. +/-	
FLBG-3	.1900	.6250	.281	.187	.020	.406	.293	2960	16 1/2	.020
	4.826	15.875	7.14	4.75	.51	10.31	7.44	13167		.009
FLBG-4	.2500	.7500	.375	.281	.020	.500	.331	5240	14 1/2	.040
	6.350	19.050	9.53	7.14	.51	12.70	8.41	23309		.018
FLBG-5	.3125	.8750	.437	.313	.025	.625	.447	6550	14 1/2	.050
	7.938	22.225	11.10	7.95	.64	15.88	11.35	29136		.023
FLBG-6	.3750	1.0000	.500	.375	.025	.718	.517	8600	12 1/2	.080
	9.525	25.400	12.70	9.53	.64	18.24	13.13	38255		.036
FLBG-7	.4375	1.1875	.562	.437	.040	.812	.586	11100	11	.120
	11.113	30.163	14.27	11.10	1.02	20.62	14.88	49375		.054
FLBG-8	.5000	1.3125	.687	.531	.045	.937	.637	15600	12 1/2	.180
	12.700	33.338	17.45	13.49	1.14	23.80	16.18	69392		.082
FLBG-10	.6250	1.5625	.875	.687	.045	1.187	.802	25700	12	.330
	15.875	39.688	22.23	17.45	1.14	30.15	20.37	114319		.150
FLBG-12	.7500	2.2500	1.250	.937	.050	1.625	1.038	47600	15	.970
	19.050	57.150	31.75	23.80	1.27	41.28	26.37	211735		.440
FLBG-16	1.0000	2.3750	1.125	.875	.065	1.750	1.345	48200	10	.940
	25.400	60.325	28.58	22.23	1.65	44.45	34.16	214404		.426

NOTES
1. For mounting information, see Recommended Housing Bore Diameters, page J-43.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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SUMINISTROS INDUSTRIALES DÍAZ

Spherical Plain Bearings

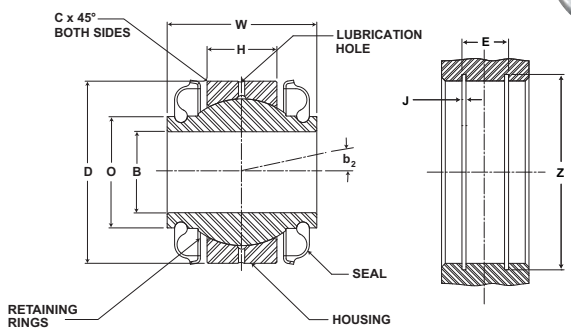
SEALMASTER®

Basic Construction Type: 2 pc. Heavy Duty, Precision

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated

Feature: Nitrile Rubber Seals



BTS-LS Series Spherical Plain Bearings

Part No.	Dimensions inch / mm											Max Static Radial Load lb/N	Misalignment Angle b_2 Deg. +/-	Unit Wt. lb/kg	Recommended Snap Ring
	B	D	W	H	C	Ball Diam.	O	Housing Width	E	Z	J				
	+.0000 -.0007	+.0000 -.0007	+.000 -.005	+.005 -.005	Ref.	Ref.	Ref.		Groove Spacing	Groove Diam.	Groove Width				
BTS-12LS	.7500 19.050	1.5000 38.100	1.250 31.75	.500 12.70	.015 .38	1.250 31.75	1.000 25.40	1.250 31.75	.507 12.88	1.576/1.584 40.03/40.23	.056/.060 1.42/1.52	31500 140119	13 1/2	.250 .113	TRUARC #5000-150
										1.551/1.556 39.4/39.52	.045/.048 1.14/1.22				SPIROLOX #RR-150
BTS-16LS	1.0000 25.400	2.2500 57.150	1.875 47.63	.875 22.23	.015 .38	1.813 46.05	1.375 34.93	1.687 42.85	.882 22.40	2.364/2.376 60.05/60.35	.086/.091 2.18/2.31	83500 371427	12	.950 .431	TRUARC #5000-225
										2.324/2.330 59.03/59.18	.055/.058 1.4/1.47				SPIROLOX #RR-225
BTS-20LS	1.2500 31.750	2.3750 60.325	1.875 47.63	.875 22.23	.015 .38	2.000 50.80	1.625 41.28	1.687 42.85	.882 22.40	2.499/2.511 63.47/63.78	.086/.091 2.18/2.31	94000 418133	9 1/2	.990 .449	TRUARC #5000-237
										2.453/2.459 62.31/62.46	.055/.058 1.4/1.47				SPIROLOX #RR-237
BTS-24LS	1.5000 38.100	2.7500 69.850	1.875 47.63	1.000 25.40	.015 .38	2.375 60.33	2.000 50.80	1.875 47.63	1.007 25.58	2.894/2.906 73.51/73.81	.103/.108 2.62/2.74	130000 578269	7 1/2	1.440 .653	TRUARC #5000-275
										2.841/2.847 72.16/72.31	.055/.058 1.4/1.47				SPIROLOX #RR-275

NOTES
1. Retaining rings are NOT furnished with the bearings.
2. For mounting information, see Recommended Housing Bore Diameters, page J-43.

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SUMINISTROS INDUSTRIALES DÍAZ

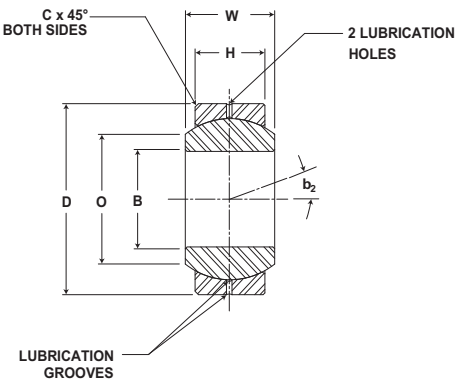
SEALMASTER®

Spherical Plain Bearings

Basic Construction Type: 2 pc. Heavy Duty, Precision

Race Material: Carbon Steel with Protective Plating for Corrosion Resistance

Ball Material: Alloy Steel, Heat Treated, Chrome Plated



BH-LS Series Spherical Plain Bearings

Part No.	Dimensions inch / mm							Max Static Radial Load lb/N	Misalignment Angle b_2	Unit Wt. lb/kg
	B	D	W	H	C	Ball Diam.	O			
	+.0000 -.0007	+.0000 -.0007	+.000 -.005	+.007 -.007	Ref.	Ref.	Ref.		Deg. +/-	
BH-16LS	1.0000 25.400	2.0000 50.800	1.000 25.40	.781 19.84	.035 .89	1.687 42.85	1.360 34.54	69500 309151	9	.550 .249
BH-19LS	1.1875 30.163	2.3750 60.325	1.187 30.15	.937 23.80	.035 .89	2.000 50.80	1.610 40.89	100000 444822	8 1/2	.940 .426
BH-20LS	1.2500 31.750	2.3750 60.325	1.187 30.15	.937 23.80	.035 .89	2.000 50.80	1.610 40.89	100000 444822	8 1/2	.900 .408
BH-24LS	1.5000 38.100	2.7500 69.850	1.375 34.93	1.094 27.79	.035 .89	2.312 58.72	1.860 47.24	135000 600510	8	1.360 .617
BH-28LS	1.7500 44.450	3.1250 79.375	1.562 39.67	1.250 31.75	.040 1.02	2.625 66.68	2.110 53.59	178000 791783	8	1.950 .885
BH-32LS	2.0000 50.800	3.5000 88.900	1.750 44.45	1.375 34.93	.040 1.02	2.937 74.60	2.360 59.94	221000 983057	8 1/2	2.640 1.197

NOTES
1. For mounting information, see Recommended Housing Bore Diameters, page J-43.

Metric dimensions for reference only.
Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.
For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.

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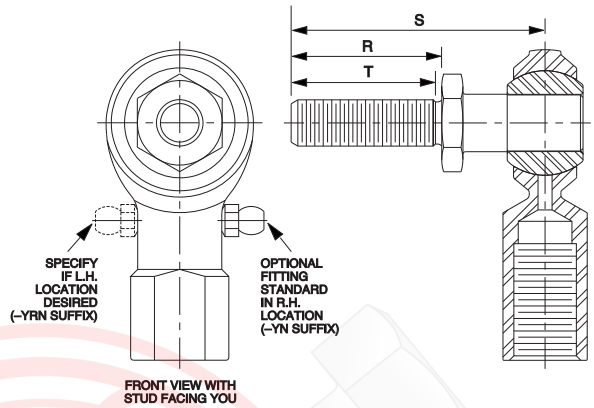
Rod Ends and Spherical Plain Bearing Engineering Section

Sealmaster Rods Ends with Y-Studs



Stud Size	Dimensions in inch			
	R +.031 -.031	S +.031 -.031	T Min.	Thread Size Class UNF-2A
-3	.500	.968	7/16	#10-32
-4	.562	1.047	1/2	1/4-28
-5	.687	1.234	19/32	5/16-24
-6	.906	1.540	13/16	3/8-24
-7	1.125	1.930	1	7/16-20
-8	1.125	2.000	1	1/2-20
-10	1.500	2.500	1 3/8	5/8-18
-12	1.812	3.000	1 5/8	3/4-16

Rod Ends with Y-Studs are available in the following series:

CTFD-Y, CTFDL-Y
CTMD-Y, CTMDL-Y
CFF-Y, CFFL-Y
CFF-YN, CFFL-YN
CFM-Y, CFML-Y
CFM-YN, CFML-YN
CFF-TY, CFFL-TY
CFM-TY, CFML-TY
TF-Y, TFL-Y
TF-YN, TFL-YN
TM-Y, TML-Y
TM-YN, TML-YN
TR-Y, TRL-Y
TR-YN, TRL-YN
TRE-Y, TREL-Y
TRE-YN, TREL-YN

- Sealmaster Y-studs are available with the above rod end series to facilitate right angle connections in a variety of linkage applications.
- To order, add the letter Y to the rod end part number; Example: TR-8Y.
- Sealmaster Y-studs are manufactured from carbon steel and plated for corrosion resistance.
- They are secured in the rod end bore, threaded and manufactured with a hex wrench flat.
- Rod ends with Y-studs can accommodate up to ± 25 degrees of angular misalignment in any direction for linkage design flexibility.
- Y-stud thread sizes are the same as the corresponding rod end and are available in right hand threads only.

Caution: When selecting rod ends with Y-studs: Catalog load ratings are not applicable with Y-studs because of the reduced stud strength due to bending. For load ratings with Y-studs contact Application Engineering.

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Rod Ends and Spherical Plain Bearing Engineering Section

Sealmaster rod ends can be joined together or connected with a threaded rod or tube to form linkage assemblies allowing design engineers flexibility in transferring motion between points with long center distances.

Normal operation of rod ends results in wear of the raceways or fatigue or fracture of the outer member. Give consideration to this in the design of the equipment. Spherical plain bearings provide a similar function as rod ends and must be supported in a housing. Spherical plain bearings afford customers greater load rating per equivalent rod end bore size. This occurs because rod end load capacity is controlled by the head and shank geometry. Spherical plain bearings have a larger bearing area and generally are less restricted by the housing material or dimensions in which they are mounted.

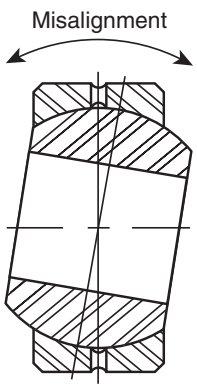
Load Ratings
Rod Ends

Static radial load ratings are applied perpendicular to the bearing ball bore and are a function of strength of race and housing materials. Sealmaster static load ratings listed in this catalog are maximum working loads and factors of safety should be applied as necessary. External conditions including mounting components, bolts, pins and housings should be considered separately when designing this product into an application. Static axial load ratings are applied parallel or through the bearing ball bore. In general, rod ends are not intended to carry axial loads. Applications of rod ends with axial loading should be reviewed with Application Engineering.

Spherical Bearings

Static radial load ratings listed in the catalog are based on a maximum permanent set in the bearing race of .2% of normal ball diameter.

Static axial load ratings are approximately 20% of the radial static load ratings listed with each unit. Caution should be exercised in designing adequate housings to support spherical bearings.



Angular Misalignment

Sealmaster rod ends and spherical plain bearings are primarily selected for their ability to withstand misalignment. As an example, a rod end and a shaft may not always be positioned at right angles and misalignment capability is important. Misalignment can occur through wear, tolerance build-up, structural deflection, or in design. The angle of misalignment in a rod end is controlled by the outside diameter of the head and ball width. The maximum degree of misalignment is obtained when the head contacts the inside of the fork or clevis in which it is mounted. Greater than catalog misalignment can be accomplished by adding a spacer washer between the ball flat and the clevis I.D. or by selecting a rod end with a Y-Stud. The angle of misalignment in a spherical bearing is calculated somewhat differently than a rod end. Illustrated on the following page are common mountings for spherical bearings and the corresponding formula for calculating the angle of misalignment.

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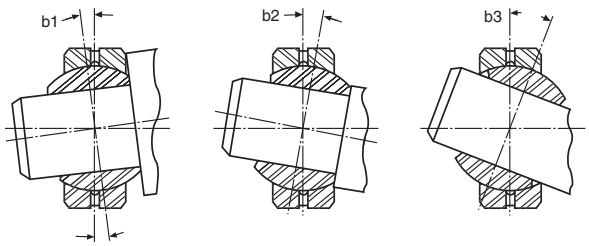
Rod Ends and Spherical Plain Bearing Engineering Section

Spherical Plain Bearing Misalignment Capabilities



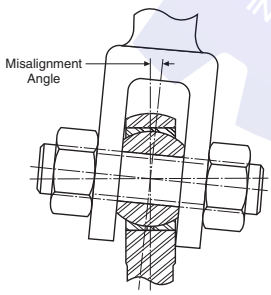
SERIES SBG, SBG-S, SBG-SS, SBG-SA, COM, COR (degrees)			
PART NO.	(+/-) b1	(+/-) b2	(+/-) b3
-3	7 1/2	11 1/2	29 1/2
-4	9	13 1/2	30
-5	8	12	26
-6	7 1/2	10	26 1/2
-7	6 1/2	9 1/2	20 1/2
-8	7	10	20
-10	6 1/2	9	18 1/2
-12	7	9	21
-14	7	9 1/2	16
-16	7	9 1/2	16

SERIES FLBG (degrees)			
PART NO.	(+/-) b1	(+/-) b2	(+/-) b3
-3	9 1/2	16 1/2	34 1/2
-4	8	14 1/2	26
-5	9	14 1/2	30
-6	8	12 1/2	27
-7	6 1/2	11	25
-8	7 1/2	12 1/2	23
-10	7 1/2	12	23
-12	8 1/2	15	27 1/2
-16	6 1/2	10	25

SERIES BH-LS (degrees)			
PART NO.	(+/-) b1	(+/-) b2	(+/-) b3
-16	6 1/2	9	26
-19	6 1/2	8 1/2	25 1/2
-20	6 1/2	8 1/2	23 1/2
-24	6	8	21 1/2
-28	6	8	20
-32	6 1/2	8 1/2	19

SERIES BTS-LS (degrees)			
PART NO.	(+/-) b1	(+/-) b2	(+/-) b3
-12	-	13 1/2	-
-16	-	12	-
-20	-	9 1/2	-
-24	-	7 1/2	-

Rod End Misalignment Capabilities



SERIES AR, ARE, ARE-20, TR, TRE, CFF-T, CFM-T, TF, TM, CFF, CFM, CTFD, CTMD (degrees)	
PART NO.	(+/-) a
-3	6 1/2
-4	8
-5	7
-6	6
-7	7
-8	6
-10	8
-12	7
-16	8 1/2

Reference Letters

B = Bore of Ball
C = Chamfer on Outer Race
D = Head or Diameter of Outer Race
E = Ball Diameter
H = Housing Width
$V = \sqrt{(D-2C)^2 + H^2}$
W = Ball Width

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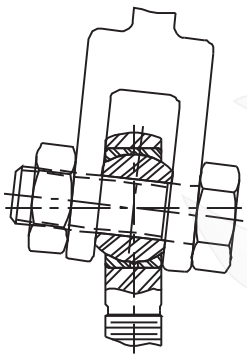
Rod Ends and Spherical Plain Bearing Engineering Section

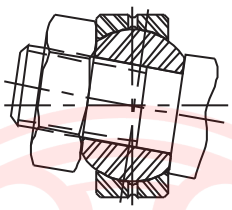
Common Retention Methods

Clevis mounting is a common practice in securing rod ends in an application. Generally they are assembled into the clevis (or yoke) with a bolt or machined pin.

Clevis Installation



Shoulder on Shaft with Lock Nut



Rod End Grease Fitting Table			
Bore Size	**Fitting Number**	**Thread Size**	**Hex size**
1/4" - 7/16"	#3018 (no ball check)	#6-40 UNF-2A	1/4"
1/2" - 1"	#3016 (no ball check)	#10-32 UNF-2A	1/4"

Lubrication

Sealmaster metal three-piece rod ends are greased from the factory and can be furnished with grease fittings on sizes #4 through #16 to facilitate relubrication in the field. Sealmaster CFF/CFM two-piece rod ends are oil coated and are also available with grease fittings. Sealmaster spherical bearings are oil coated except the stainless steel series which are dry. The BH-LS and BTS-LS series are greased from the factory.

Periodic relubrication helps prevent excessive wear, protects balls and races from corrosion, purges contamination and wear debris and helps to seal against contamination. Relubrication is recommended whenever possible for most applications. The length of interval between greasing is dependent on the application parameters and external conditions. Self-Lubricating PTFE and Delrin* rod ends are generally used where grease relubrication is not practical or desirable. Zerk type threaded grease fittings (designated as "N" suffix) are available on all rod end series except for PTFE and DELRIN. Replacement grease fittings can be ordered by identifying the appropriate rod end series and size.

Caution: Catalog load ratings of rod ends are not applicable when grease fittings are specified, because of the reduced cross section of the head. When selecting rod ends with grease fittings, consult Application Engineering for static load capacities.

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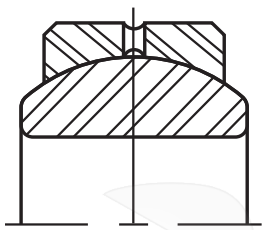
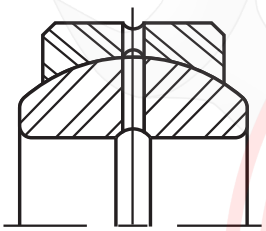
Rod Ends and Spherical Plain Bearing Engineering Section

Sealmaster spherical plain bearings are manufactured with two lubrication systems which provide a path for lubrication to the ball and race area.



Outer races are manufactured with lubrication grooves and an interconnecting hole in the outer race to direct grease to the ball and race area. Standard on the following series: COM, SBG, SBG-S, SBG-SS, COR, FLBG, HH-LS, BTS-LS



A groove on the ball I.D. and interconnecting hole on “A” series only, directs lubrication from the shaft to the ball and race area. Standard on the SBG-SA

Application

Sealmaster rod ends and spherical plain bearings are designed to provide an efficient smooth transfer of motion in a wide variety of applications and equipment. This motion is usually associated with various types of linkage controls. Commonly referred to as plain or sliding bearings, they are designed primarily to assist and provide motion transfer, support a load, allow for angular motion and angular misalignment. Sealmaster rod ends and spherical bearings serve the industrial market. Typical applications for rod ends and spherical plain bearings can be found in:

- Textile Equipment
- Food Processing
- Bakery Equipment
- Recreational Equipment
- Farm/Garden Machinery
- Bottling Equipment
- Printing Machinery
- Material Handling
- Mining Machinery
- Packaging Machinery
- Labeling Machinery
- Industrial Fans
- Construction Equipment
- Exercise Machines
- Dairy Machinery
- Agricultural Equipment
- Transportation Equipment
- Off-Road Equipment

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Rod Ends and Spherical Plain Bearing Engineering Section

Recommended Housing Diameters - Spherical Plain Bearings

Spherical Bearings		Housing Bore (inch)			
Series	Bearing O.D.	Steel Housing		Aluminum Housing	
SBG, SBG-S, SBG-SS, SBG-SA	+.0000 -.0005	Min	Max	Min	Max
3	.5625	.5616	.5620	.5614	.5619
4	.6562	.6553	.6557	.6551	.6556
5	.7500	.7491	.7495	.7489	.7494
6	.8125	.8116	.8120	.8114	.8119
7	.9062	.9053	.9057	.9051	.9056
8	1.0000	.9991	.9995	.9989	.9994
10	1.1875	1.1866	1.1870	1.1864	1.1869
12	1.4375	1.4366	1.4370	1.4364	1.4369
14	1.5625	1.5616	1.5620	1.5614	1.5619
16	1.7500	1.7491	1.7495	1.7489	1.7494
FLBG	+.0000 -.0005	Min	Max	Min	Max
3	.6250	.6241	.6245	.6239	.6244
4	.7500	.7491	.7495	.7489	.7494
5	.8750	.8741	.8745	.8739	.8744
6	1.0000	.9991	.9995	.9989	.9994
7	1.1875	1.1865	1.1870	1.1863	1.1869
8	1.3125	1.3115	1.3120	1.3113	1.3119
10	1.5625	1.5613	1.5620	1.5611	1.5619
12	2.2500	2.2488	2.2495	2.2486	2.2494
16	2.3750	2.3738	2.3745	2.3736	2.3744
COM	+.0000 -.0007	Min	Max	Min	Max
3	.5625	.5615	.5619	.5613	.5618
4	.6562	.6552	.6556	.6550	.6555
5	.7500	.7490	.7494	.7488	.7493
6	.8125	.8115	.8119	.8113	.8118
7	.9062	.9052	.9056	.9050	.9055
8	1.0000	.9990	.9994	.9988	.9993
10	1.1875	1.1864	1.1869	1.1862	1.1868
12	1.4375	1.4364	1.4369	1.4362	1.4368
14	1.5625	1.5614	1.5619	1.5612	1.5618
16	1.7500	1.7489	1.7494	1.7487	1.7493

Spherical Bearings		Housing Bore (inch)			
Series	Bearing O.D.	Steel Housing		Aluminum Housing	
COR	+.0000 -.0005	Min	Max	Min	Max
3	.5625	.5616	.5620	.5614	.5619
4	.6562	.6553	.6557	.6551	.6556
5	.7500	.7491	.7495	.7489	.7494
6	.8125	.8116	.8120	.8114	.8119
8	1.0000	.9991	.9995	.9989	.9994
10	1.1875	1.1866	1.1870	1.1864	1.1869
12	1.4375	1.4366	1.4370	1.4364	1.4369
14	1.5625	1.5616	1.5620	1.5614	1.5619
16	1.7500	1.7491	1.7495	1.7489	1.7494
BTS-LS	+.0000 -.0007	Min	Max	Min	Max
12	1.5000	1.4988	1.4993	1.4986	1.4992
16	2.2500	2.2488	2.2493	2.2486	2.2492
20	2.3750	2.3738	2.3743	2.3736	2.3742
24	2.7500	2.7488	2.7493	2.7486	2.7492
BH-LS	+.0000 -.0007	Min	Max	Min	Max
16	2.0000	1.9988	1.9993	1.9986	1.9992
19	2.3750	2.3738	2.3743	2.3736	2.3742
20	2.3750	2.3738	2.3743	2.3736	2.3742
24	2.7500	2.7488	2.7493	2.7486	2.7492
28	3.1250	3.1238	3.1243	3.1236	2.1242
32	3.5000	3.4988	3.4993	3.4986	3.4992

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