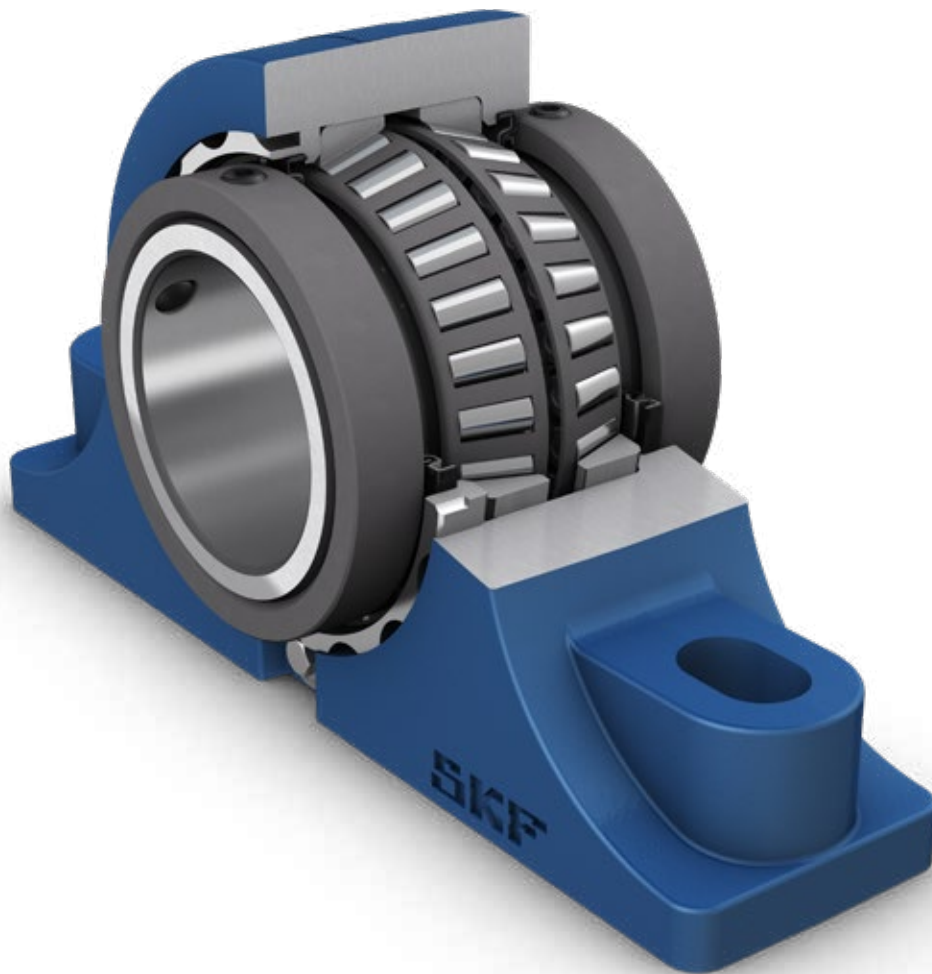


# SKF Mounted tapered roller bearings



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This catalog is intended to be used as a product reference guide only and as such contains only very basic information. This catalog is not intended to be used as a design manual. The data in this catalog is based on current information at the time of press. SKF reserves the right to make changes necessitated by technological developments. Consult SKF USA Inc. prior to design change or order placement.

Additional information on mounting, dismounting, lubrication, and maintenance of SKF products can be found in the SKF Bearing Installation and Maintenance Guide (publication #140-710).

Any reference in this catalog to SKF Applications Engineering is making reference to the SKF USA Inc. Applications Engineering Department that can be reached through the SKF Technical Hotline at 1-888-753-2000.

## How to reach SKF USA Inc.

Customer service: 1-888-753-3477  
Technical hotline: 1-888-753-2000  
Email: [skfusainfo@skf.com](mailto:skfusainfo@skf.com)  
Website: [www.skfusa.com](http://www.skfusa.com)  
Online store: [www.ptplace.com](http://www.ptplace.com)

## How to reach SKF Canada

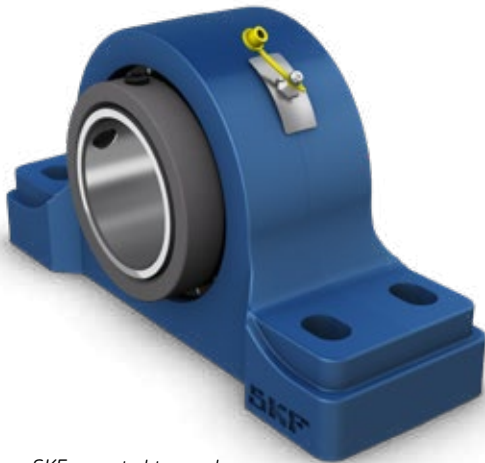
Customer service: 1-866-832-6753  
English Email: [SKFClientSales@skf.com](mailto:SKFClientSales@skf.com)  
French Email: [SKFClientSalesMTL@skf.com](mailto:SKFClientSalesMTL@skf.com)  
Technical hotline: [skfenghotline@skf.com](mailto:skfenghotline@skf.com)  
Website: [www.skf.ca](http://www.skf.ca)  
Online store: [www.ptplace.com](http://www.ptplace.com)

# Introducing SKF mounted tapered roller bearings

## Reliable rotation for the world's dirtiest jobs

The mounted tapered roller bearings at work in conveyors and other material handling equipment must withstand extremely punishing conditions. Unfortunately, most mounted tapered roller bearing seals are not up to the challenge. In fact, most mounted tapered roller bearings fail because their seals have failed first and allowed contaminants inside. The resulting downtime can devastate productivity and profitability, which is why SKF developed a mounted tapered roller bearing with sealing performance that's exponentially better than the competition.

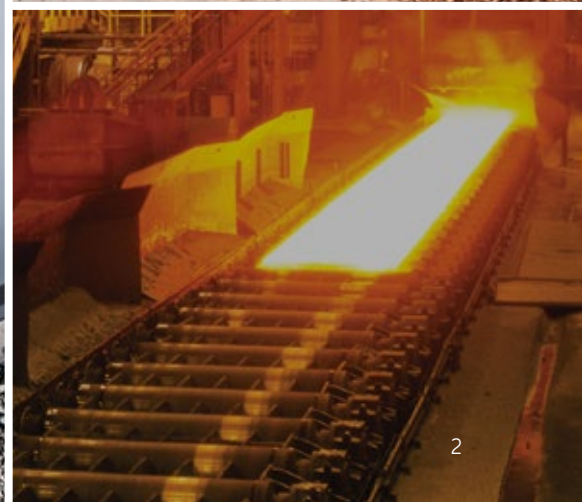
As our first-ever mounted tapered roller bearing – commonly known as Type E – these new units combine SKF bearing expertise with proven CR Seals technology. The result is a bearing built to deliver longer service life through superior contamination exclusion. SKF tests show that the CR Seals will resist contaminant ingress for significantly longer than our next best competitor. Interchangeable with all Type E sizes, SKF mounted tapered roller bearings are also competitively priced. All of which means that the world's toughest process industries now have a Type E bearing that supports reliable rotation and a better bottom line.



*SKF mounted tapered roller bearing; 4 bolt pillow block (P4BE)*



SKF  
performed over  
**10x**  
the competition  
in seal testing





# SKF bearings + CR seals = An exponentially

The tapered roller bearings in our new Type E units are among the world's best. But the reason that they're the best choice for heavily contaminated applications is because we've paired them with CR Seals technology.

Backed by over a century of proven sealing expertise, the CR seals in SKF mounted tapered roller bearings provide robust, long-lasting protection against contaminant ingress and lost productivity, backed by our performance warranty.



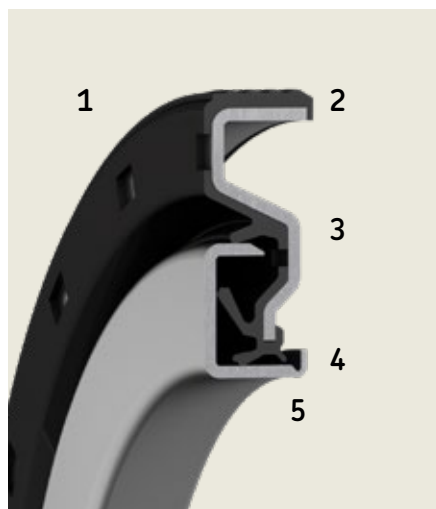
\* See page 26 for details.

*SKF mounted tapered roller bearing; four bolt flange (F4BE)*

## An improved mix of technologies

As a bearing manufacturer that also manufactures seals, SKF has a deep understanding of how temperatures, speeds, pressures, lubricants, shaft surfaces and other conditions impact seal life and performance. This knowledge, backed by years of R&D in sealing materials, design and tribology, goes into every bearing and sealing solution we develop.

For our first-ever Type E bearing, we started with SKF tapered roller bearings. Built with world class manufacturing techniques, optimized rolling contact surfaces and high loading capacity, these bearings run at higher speeds with lower operating temperatures. In the application, they deliver longer service life, less maintenance, and lower operating costs.



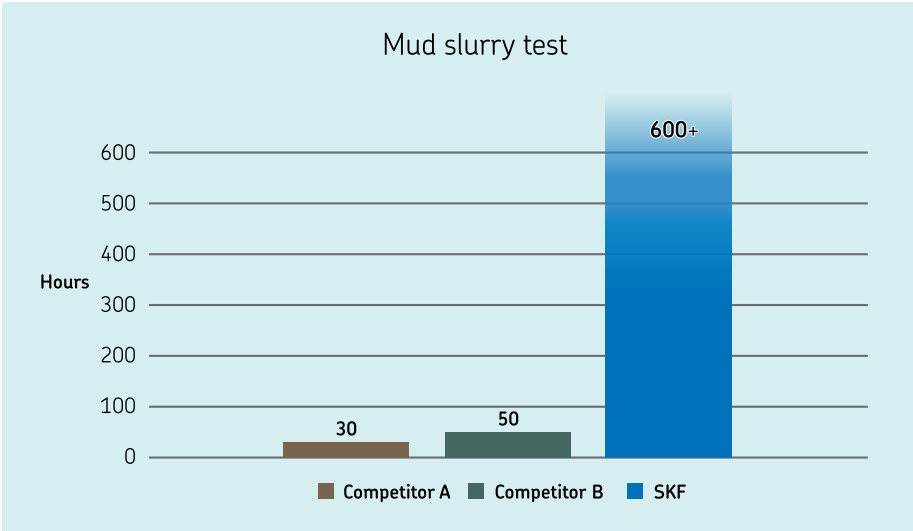
## The CR Seals in the unit offer several lines of defense against contamination

- 1) Hydrogenated nitrile rubber (HNBR):** The high performance HNBR sealing material provides excellent resistance to wear and high temperatures for long service life.
- 2) Full rubber outside diameter:** Improves static sealing inside the housing.
- 3) Multiple sealing lips:** Designed to exclude the harshest contamination (dirt, mud, water, sand, and powder) for maximum protection in the toughest environments.
- 4) Relubrication:** Seal is designed to accommodate bearing relubrication without risk of damage to the sealing lips. The seal is grease purgeable.
- 5) Unitized design:** Rotating wear sleeve is integrated with the seal body to create a very robust cassette seal.

# better Type E bearing unit

## Superior sealing performance

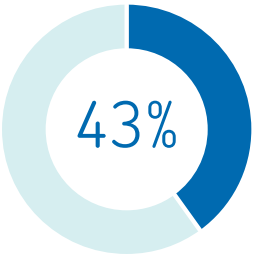
Field reports indicate that contamination is the primary mode of failure for Type E units. As a leading bearing supplier that also manufactures seals, SKF understands how seals play a critical role in a Type E's performance. To make sure our units perform in the demanding environments they're in, we subjected our seals and our competitors' seals to worst-case industrial environments. On the competitors' seals, the test had to be stopped anywhere from 5 – 50 hours due to seal leakage while the CR Seal from SKF performed over 10x the next best competitor.



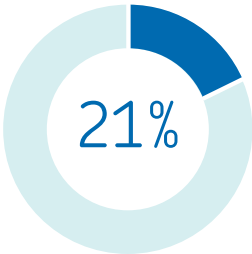
CR Seal from SKF outperformed competitors by at least 10x.  
Tests for the CR Seals were suspended at 600+ hours with zero contamination or leakage.

## Trust the robust reliability of CR Seals

A Type E bearing needs a seal that not only can handle the rigorous contamination demands, but truly performs. With CR Seals, SKF delivers just that. A seal with multiple lips to provide excellent protection from contamination.



Lubrication



Contamination

Seal related failures are the main reason why bearings fail in heavy industries

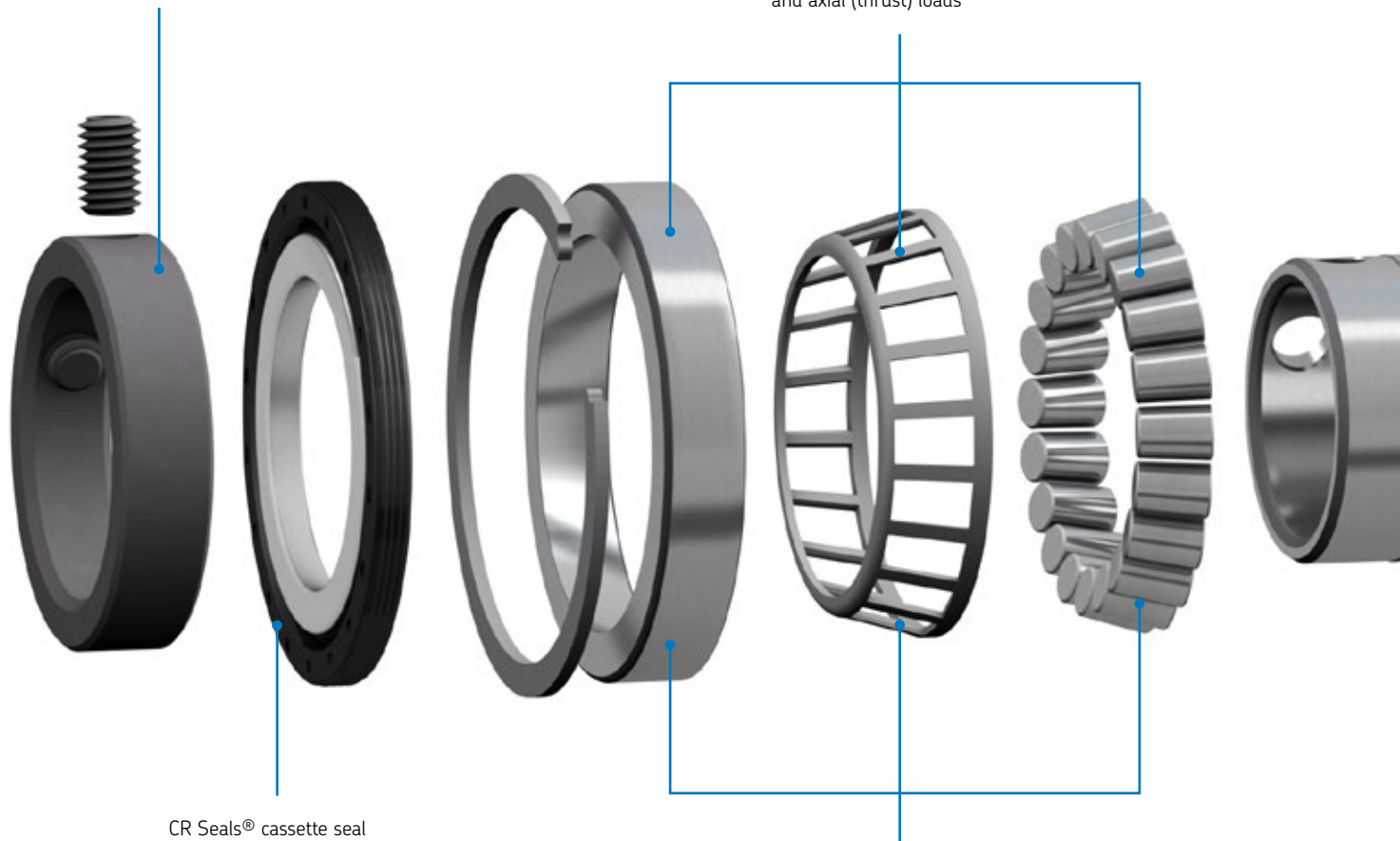
# What sets SKF apart?

SKF has taken its expertise in rotational equipment to manufacture a world-class mounted tapered roller bearing that the industry can rely on. The new Type E from SKF has quality components that

can not only withstand, but truly perform, in the industry's dirtiest applications. Take a closer look at the engineering expertise that went in to delivering a Type E that you can depend on.

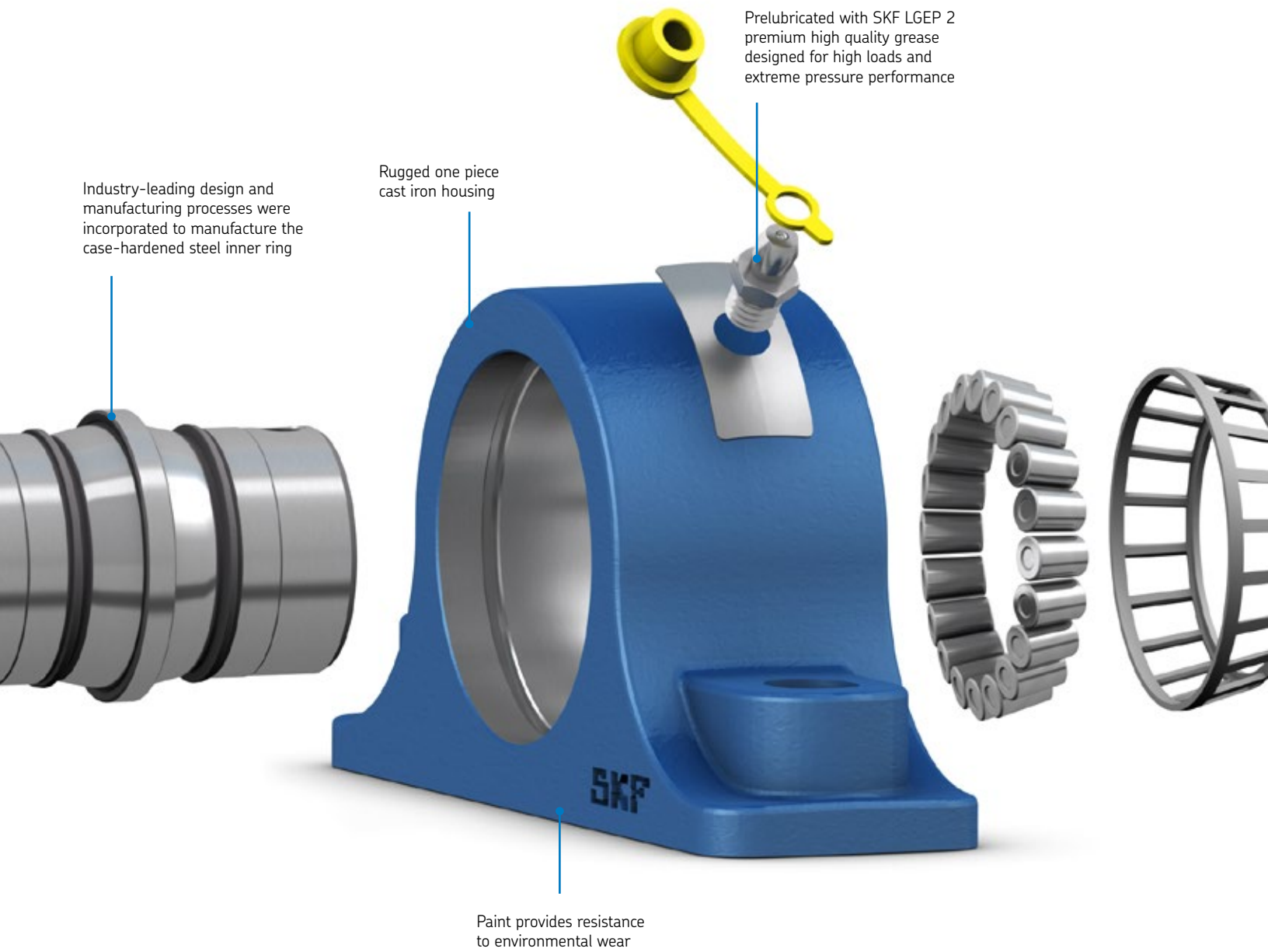
62° set-screw locking angle for excellent locking power. Locking collar is Black Oxide coated.

Double row, tapered roller bearing design for high radial and axial (thrust) loads



CR Seals® cassette seal rigorously tested to outperform and offer superior protection from contamination

Industry-leading bearing design and manufacture



# Mounting instructions

## Step 1a\*

Remove any burrs or rust on the shaft with an emery cloth or a fine file.



## Step 1b

Wipe shaft with clean cloth and check the shaft diameter.



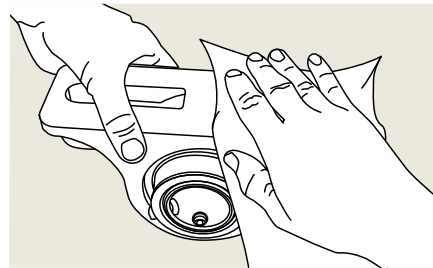
## Step 1c

Lubricate the shaft with a light oil.



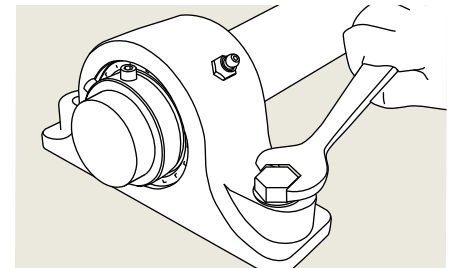
## Step 2

Clean the base of the roller bearing unit and the support surface on which it rests. Be sure the supporting surface is flat. If the roller bearing unit elevation needs to be adjusted by shims, the shims **MUST** extend the full length and width of the support surface. With flanged units, clean the flange mating surface and the support surface.



## Step 3

Slide the bearing and housing onto the shaft and position them where the roller bearing unit is to be secured. It will be necessary to remove the bearing load while moving the bearing. Bolt the roller bearing unit securely to the support. With flanged units, be sure the support surface is flat. Bolt the flanged housing securely to the support.



## Step 4

Tighten each set screw alternately with proper hex head socket wrench until they stop turning and the hex head socket wrench starts to spring. The spring of the hex head socket wrench can be easily seen and felt if an extension is used. When both set screws are tightened on the shaft, the bearing is firmly seated.\*\*

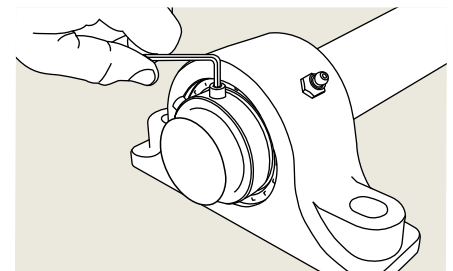


Table 1

Recommended shaft tolerances	
Shaft diameter	Tolerance
Up to 1 1/2" (35 mm)	+0.0000" to -0.0005" (+0 to -0.013 mm)
1 5/8 to 4" (40 to 100 mm)	+0.0000" to -0.0010" (+0 to -0.025 mm)
4 7/16 to 5" (110 to 125 mm)	+0.0000" to -0.0015" (+0 to -0.038 mm)

\* Illustrations for instructional purposes; be sure proper PPE is used.

\*\* **CAUTION:** Proper tightness of set screws is necessary to assure adequate bearing service life and axial locating ability. To achieve the full permissible axial load carrying rating without an abutment shoulder, the set screw tightening torques listed in Table 2 on the following page should be applied.

When the inboard locking collar is inaccessible and cannot be tightened like in the case of a F6BRPE piloted flange with a blind hole installation, the unused inboard locking collar should be removed from the bearing inner ring before installation. This avoids an unused component coming loose during operation.



Table 2

## Tightening torque for set screws

Shaft size		Set screw size	Torque		Axial holding power <sup>1</sup>	
in	mm	(2) per collar	in-lb	Nm	lb	N
1 <sup>3</sup> / <sub>16</sub> to 1 <sup>11</sup> / <sub>16</sub>	35-40	<sup>5</sup> / <sub>16</sub> " – 18 UNC	155	18	2,625	11,600
1 <sup>3</sup> / <sub>4</sub> to 2 <sup>1</sup> / <sub>2</sub>	45-65	<sup>3</sup> / <sub>8</sub> " – 16 UNC	275	31	3,500	15,500
2 <sup>11</sup> / <sub>16</sub> to 3 <sup>1</sup> / <sub>2</sub>	70-90	<sup>1</sup> / <sub>2</sub> " – 13 UNC	615	69	5,250	23,350
3 <sup>15</sup> / <sub>16</sub> to 5	100-125	<sup>5</sup> / <sub>8</sub> " – 11 UNC	1315	148	7,000	31,100

<sup>1</sup> Axial holding power is based on use of two properly tightened collars and set screws, with 62° angle between screws on each collar. When a single collar is used (F4BRPE) or when the inboard collar is inaccessible (F6BRPE) due to a blind hole installation, half of the value listed should be used.

## To remove the bearing unit

First, loosen the set screws and unbolt the housing from its support. The complete roller bearing unit can then be removed from the shaft. It will be necessary to relieve the bearing load while removing the unit.

## Lubrication instructions

The standard SKF roller bearing units are lubricated with SKF grease LGEP 2, which is a lithium based NLGI #2 grease with EP additives and a base oil viscosity of 200 cSt (mm<sup>2</sup>/s) at 40°C.

The roller bearing units are equipped with a grease fitting which allows the roller bearing

to be relubricated in service. The recommended grease relubrication amount can be found in **Table 3**. The recommended relubrication interval depends on the bearing size, loading, shaft orientation, rotational speed, operating temperature, and level of contamination exposure. Contact SKF Application Engineering for the recommended relubrication interval, or it can be calculated using the SKF DialSet program: [maprotools.com/dialset](http://maprotools.com/dialset).

When relubricating the roller bearing unit, LGEP 2 grease or equivalent compatible grease should be used.

**CAUTION: CARE MUST BE TAKEN TO USE GREASES THAT ARE COMPATIBLE.**

SKF suggests relubricating the roller bearing unit while it is rotating to help distribute the new grease inside the unit. Use caution and follow safety practices when performing maintenance tasks around rotating equipment.

When relubricating the roller bearing unit, avoid using excessive pressure from the grease gun or pump to avoid displacement or damage of the bearing seals.

The LGEP 2 grease has an operating temperature range of -4 to 230°F (-20 to 110°C). If the bearing operating temperature exceeds these temperature limits, consult SKF Application Engineering for a lubrication recommendation.

For availability of SKF greases, contact your local SKF representative or Authorized SKF Distributor.

Table 3

## Recommended grease lubrication amount

Shaft diameter range	Grease amount (oz.)
1 <sup>3</sup> / <sub>16</sub> to 1 <sup>1</sup> / <sub>4</sub> "	0.1
1 <sup>3</sup> / <sub>8</sub> to 1 <sup>11</sup> / <sub>16</sub> "	0.2
1 <sup>3</sup> / <sub>4</sub> to 2 <sup>1</sup> / <sub>2</sub> "	0.3
2 <sup>11</sup> / <sub>16</sub> to 3"	0.4
3 <sup>3</sup> / <sub>16</sub> to 3 <sup>1</sup> / <sub>2</sub> "	0.6
3 <sup>15</sup> / <sub>16</sub> to 4 <sup>1</sup> / <sub>2</sub> "	1.0
4 <sup>15</sup> / <sub>16</sub> to 5"	1.5

# Housing styles

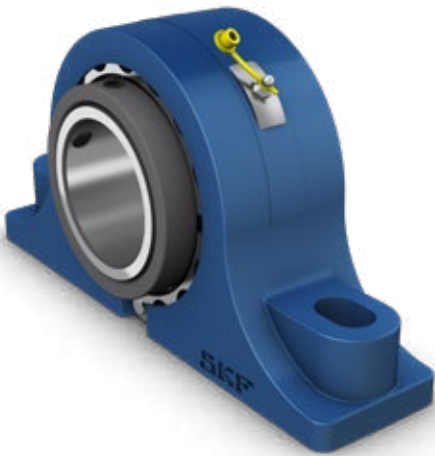
The complete units are designed to interchange existing products. The shaft centerlines and bolt holes conform to industry standards to

perform quick bearing change out. The SKF mounted tapered roller bearing is available in the most

common housing shapes, whether you need a pillow block, flange, or take-up, SKF has you covered.

## P2BE

1 <sup>3</sup>/<sub>16</sub> in – 3 <sup>1</sup>/<sub>2</sub> in  
35 mm – 90 mm



## F4BRPE

1 <sup>3</sup>/<sub>16</sub> in – 4 in  
35 mm – 100 mm



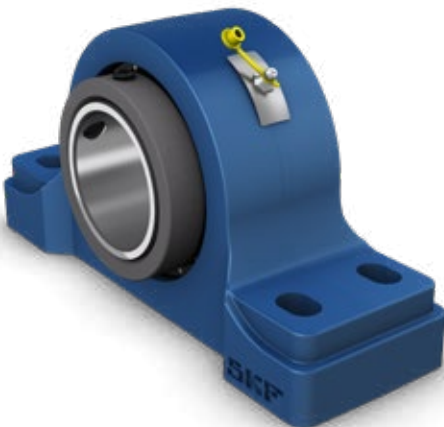
## F4BE

1 <sup>3</sup>/<sub>16</sub> in – 4 <sup>1</sup>/<sub>2</sub> in  
35 mm – 115 mm



## P4BE

2 <sup>1</sup>/<sub>4</sub> in – 5 in  
60 mm – 125 mm



## F6BRPE

4 <sup>7</sup>/<sub>16</sub> in – 5 in  
110 mm – 125 mm



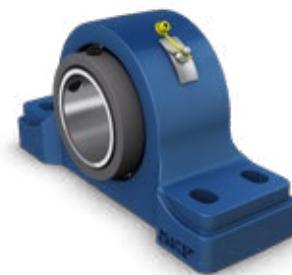
## TATUE

1 <sup>3</sup>/<sub>4</sub> in – 4 in  
45 mm – 100 mm



# Mounted tapered roller bearing nomenclature guide

(Type E)

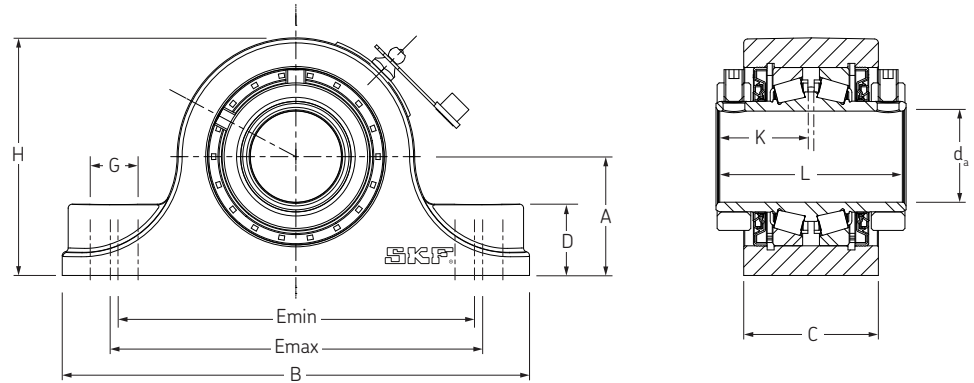


**P2BE 207 – TRB – STH**

## Pillow block / set screw

### P2BE

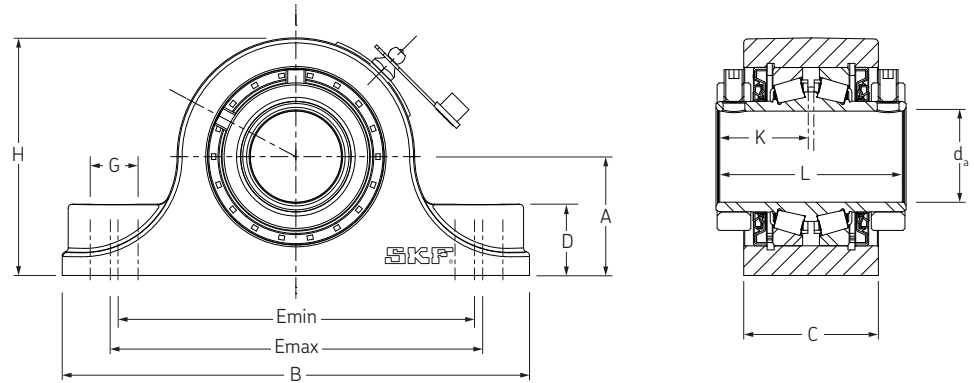
Cast-iron housing  
2-bolt base  
Locating  
Cassette seal



Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass	A	B	C	D	E Max	E Min	G	H	K	L	Bolts (No. req'd)
in/mm	–	lbf		r/min	lbs	in										in
1 3/16	P2BE 103-TRB-STH	3800	14600	4300	4.2	1 1/2	6	1 13/16	7/8	4 13/16	4 3/4	19/32	3	1 3/8	2 3/4	(2)-1/2
1 1/4	P2BE 104-TRB-STH				4.1											
1 3/8	P2BE 106-TRB-STH				7.1											
35mm	P2BE 35M-TRB-STH	6100	23200	3800	7.1	1 7/8	7 3/8	2 1/8	1 1/8	5 7/8	5 5/8	3/4	3 3/4	1 1/2	3	(2)-1/2
1 7/16	P2BE 107-TRB-STH				7.0											
1 1/2	P2BE 108-TRB-STH				10.3											
40mm	P2BE 40M-TRB-STH	7500	28500	3200	10.2	2 1/8	7 7/8	2 3/8	1 1/4	6 3/8	6 1/8	3/4	4 1/4	1 11/16	3 3/8	(2)-1/2
1 5/8	P2BE 110-TRB-STH				10.0											
1 11/16	P2BE 111-TRB-STH				9.9											
1 3/4	P2BE 112-TRB-STH				12.2											
45mm	P2BE 45M-TRB-STH				12.2											
1 7/8	P2BE 114-TRB-STH	9650	36500	2850	11.9	2 1/4	8 7/8	2 1/2	1 5/16	7 1/8	6 7/8	7/8	4 1/2	1 3/4	3 1/2	(2)-5/8
1 15/16	P2BE 115-TRB-STH				11.7											
50mm	P2BE 50M-TRB-STH				11.6											
2	P2BE 200-TRB-STH				11.5											
55mm	P2BE 55M-TRB-STH	10600	42500	2500	15.2	2 1/2	9 5/8	2 5/8	1 1/2	7 7/8	7 5/8	7/8	5	1 7/8	3 3/4	(2)-5/8
2 3/16	P2BE 203-TRB-STH				15.0											

\* C<sub>comp</sub> is a comparative basic dynamic radial load rating similar to the C<sub>90</sub> dynamic load rating used by other bearing manufacturers. The C<sub>comp</sub> is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm. C<sub>comp</sub> is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.





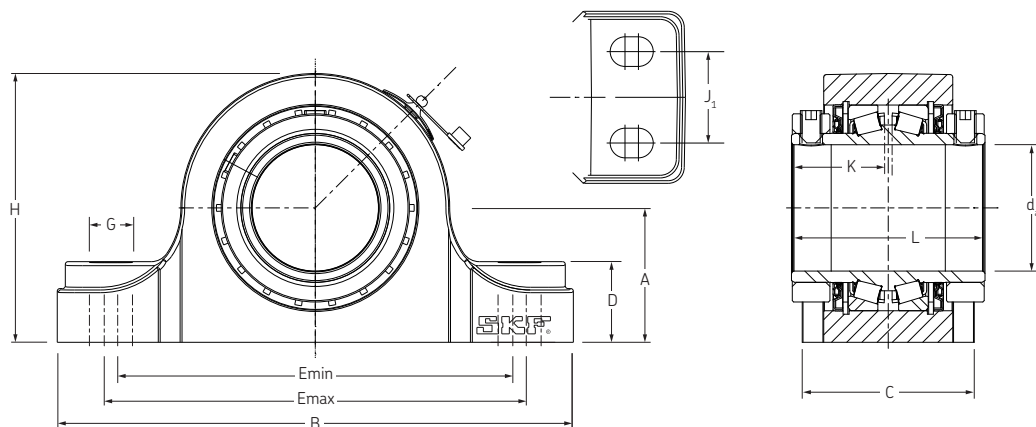
Shaft dia. $d_a$	Designation	Dynamic load rating $C_{comp}^*$	Static load rating $C_0$	Limiting speed (CR Seal)	Mass											Bolts (No. req'd)
						A	B	C	D	E Max	E Min	G	H	K	L	
in/mm	–	lbf		r/min	lbs	in										in
2 1/4	P2BE 204-TRB-STH				23.3											
60mm	P2BE 60M-TRB-STH				22.9											
2 7/16	P2BE 207-TRB-STH	11500	50000	2250	22.5	2 3/4	10 1/2	2 7/8	1 5/8	8 5/8	8 3/8	7/8	5 23/32	2	4	(2)-5/8
2 1/2	P2BE 208-TRB-STH				22.3											
65mm	P2BE 65M-TRB-STH				22.0											
2 11/16	P2BE 211-TRB-STH				29.1											
2 3/4	P2BE 212-TRB-STH				28.7											
70mm	P2BE 70M-TRB-STH	11800	53000	1900	28.8	3 1/8	12	3	1 7/8	9 11/16	9 5/16	1	6 1/4	2 1/4	4 1/2	(2)-3/4
2 15/16	P2BE 215-TRB-STH				27.7											
75mm	P2BE 75M-TRB-STH				27.7											
3	P2BE 300-TRB-STH				27.4											
80mm	P2BE 80M-TRB-STH				50.8											
3 3/16	P2BE 303-TRB-STH				50.3											
3 1/4	P2BE 304-TRB-STH				49.9											
85mm	P2BE 85M-TRB-STH	19000	96500	1550	49.3	3 3/4	14	3 1/2	2 1/4	11 13/16	10 13/16	1 1/2	7 1/2	2 1/2	5	(2)-7/8
3 7/16	P2BE 307-TRB-STH				48.5											
3 1/2	P2BE 308-TRB-STH				48.0											
90mm	P2BE 90M-TRB-STH				47.8											

\*  $C_{comp}$  is a comparative basic dynamic radial load rating similar to the C90 dynamic load rating used by other bearing manufacturers. The  $C_{comp}$  is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm.  $C_{comp}$  is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.

## Pillow block / set screw

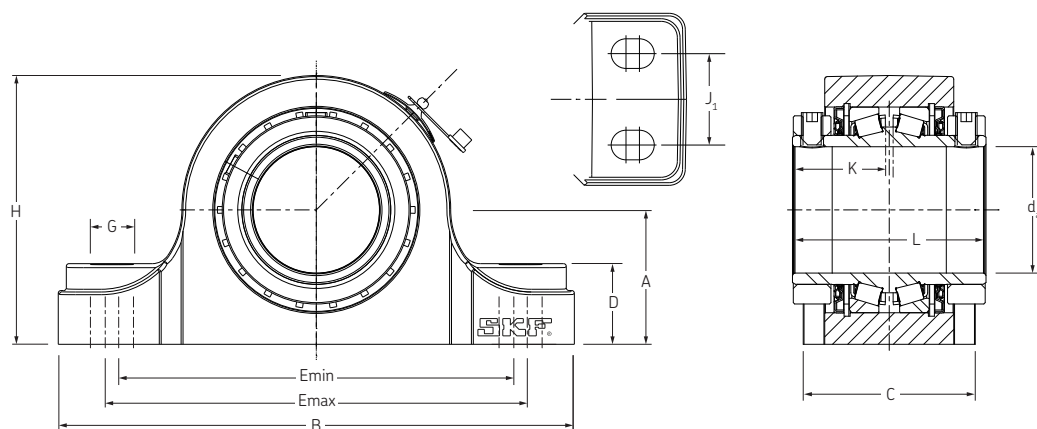
### P4BE

Cast-iron housing  
4-bolt base  
Locating  
Cassette seal



Shaft dia. da	Designation	Dynamic load rating Ccomp*	Static load rating C0	Limiting speed (CR Seal)	Mass	A	B	C	D	E Max	E Min	G	J <sub>1</sub>	H	K	L	Bolts (No. req'd)
in/mm	–	lbf		r/min	lbs	in											in
2 1/4 60mm	P4BE 204-TRB-STH P4BE 60M-TRB-STH				23.7 23.3												
2 7/16 65mm	P4BE 207-TRB-STH P4BE 65M-TRB-STH	11500	50000	2250	22.9 22.6 22.4	2 3/4	10 1/2	3 1/2	1 5/8	8 11/16	8 5/16	7/8	1 7/8	5 5/8	2	4	(4)-5/8
2 1/2 65mm	P4BE 208-TRB-STH P4BE 65M-TRB-STH																
2 11/16 70mm	P4BE 211-TRB-STH P4BE 212-TRB-STH P4BE 70M-TRB-STH				31.5 31.2 31.2												
2 15/16 75mm	P4BE 215-TRB-STH P4BE 75M-TRB-STH	11800	53000	1900	30.1 30.1	3 1/8	12	4	1 7/8	9 13/16	9 3/16	1	2 1/8	6 1/4	2 1/4	4 1/2	(4)-5/8
3 80mm	P4BE 300-TRB-STH P4BE 80M-TRB-STH				29.9 53.6												
3 3/16 85mm	P4BE 303-TRB-STH P4BE 304-TRB-STH P4BE 85M-TRB-STH				53.2 52.8 52.2												
3 7/16 90mm	P4BE 307-TRB-STH P4BE 308-TRB-STH P4BE 90M-TRB-STH	19000	96500	1550	51.4 50.9 50.7	3 3/4	13 1/2	4 1/2	2 1/4	11 1/4	10 3/4	1 3/16	2 3/8	7 1/2	2 1/2	5	(4)-3/4

\* Ccomp is a comparative basic dynamic radial load rating similar to the C90 dynamic load rating used by other bearing manufacturers. The Ccomp is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm. Ccomp is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.



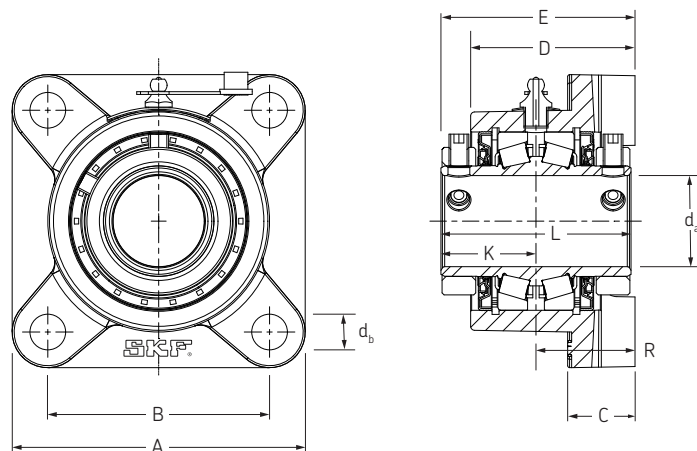
Shaft dia. $d_a$	Designation	Dynamic load rating $C_{comp}^*$	Static load rating $C_0$	Limiting speed (CR Seal)	Mass	A	B	C	D	E Max	E Min	G	$J_1$	H	K	L	Bolts (No. req'd)
in/mm	–	lbf		r/min	lbs	in											in
100mm	P4BE 100M-TRB-STH				77.7												
3 15/16	P4BE 315-TRB-STH	26500	137000	1500	78.8	4 1/4	15 1/4	4 1/2	2 7/16	12 3/4	12 1/4	1 1/8	2 1/4	8 7/16	3 1/8	6 1/4	(4)-3/4
4	P4BE 400-TRB-STH				76.8												
110mm	P4BE 110M-TRB-STH				91.3												
4 7/16	P4BE 407-TRB-STH	32000	166000	1300	89.4	4 3/4	16 5/8	4 5/8	2 3/4	13 3/4	13 1/4	1 3/16	2 1/2	9 3/8	3 3/8	6 3/4	(4)-3/4
4 1/2	P4BE 408-TRB-STH				88.9												
115mm	P4BE 115M-TRB-STH				88.7												
125mm	P4BE 125M-TRB-STH				128.1												
4 15/16	P4BE 415-TRB-STH	44000	232000	1150	127.6	5 1/2	18 1/2	5 1/8	3	15 3/4	15 1/4	1 1/4	2 7/8	10 11/16	3 5/8	7 1/4	(4)-7/8
5	P4BE 500-TRB-STH				126.6												

\*  $C_{comp}$  is a comparative basic dynamic radial load rating similar to the C90 dynamic load rating used by other bearing manufacturers. The  $C_{comp}$  is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm.  $C_{comp}$  is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.

## Flange / set screw

### F4BE

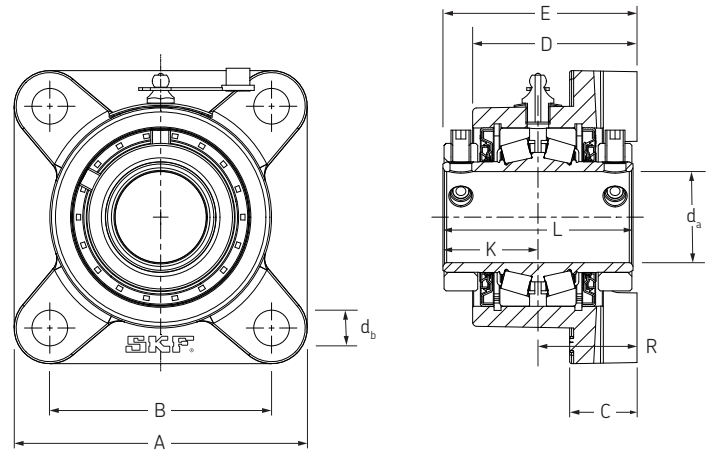
Cast-iron housing  
4-bolt  
Locating  
Cassette seal



Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass	Bolt square								Bolts (No. req'd)	Bolt Hole D <sub>b</sub>
in/mm	—	lbf		r/min	lbs	A	B	C	D	E	K	L	R		
1 3/16	F4BE 103-TRB-STH	3800	14600	4300	4.1	3 3/4	2 7/8	1	2 11/32	2 13/16	1 3/8	2 3/4	1 7/16	(4)-3/8	7/16
1 1/4	F4BE 104-TRB-STH				4.0										
1 3/8	F4BE 106-TRB-STH	6100	23200	3800	5.9	4 5/8	3 1/2	1 1/16	2 19/32	3 1/16	1 1/2	3	1 9/16	(4)-1/2	9/16
35mm	F4BE 35M-TRB-STH				5.9										
1 7/16	F4BE 107-TRB-STH				5.8										
1 1/2	F4BE 108-TRB-STH	7500	28500	3200	9.7	5 3/8	4 1/8	1 3/16	2 31/32	3 1/2	1 11/16	3 3/8	1 13/16	(4)-1/2	9/16
40mm	F4BE 40M-TRB-STH				9.6										
1 5/8	F4BE 110-TRB-STH				9.4										
1 11/16	F4BE 111-TRB-STH				9.3										
1 3/4	F4BE 112-TRB-STH	9650	36500	2850	12.0	5 5/8	4 3/8	1 3/16	3 3/32	3 3/32	1 3/4	3 17/32	1 25/32	(4)-1/2	9/16
45mm	F4BE 45M-TRB-STH				11.9										
1 7/8	F4BE 114-TRB-STH				11.6										
1 15/16	F4BE 115-TRB-STH				11.4										
50mm	F4BE 50M-TRB-STH				11.4										
2	F4BE 200-TRB-STH				11.3										
55mm	F4BE 55M-TRB-STH	10600	42500	2500	14.0	6 1/4	4 7/8	1 3/8	3 9/32	3 7/8	1 7/8	3 3/4	2	(4)-5/8	11/16
2 3/16	F4BE 203-TRB-STH				13.9										
2 1/4	F4BE 204-TRB-STH	11500	50000	2250	18.6	6 7/8	5 3/8	1 1/2	3 9/16	4 1/4	2	4	2 1/4	(4)-5/8	11/16
60mm	F4BE 60M-TRB-STH				18.2										
2 7/16	F4BE 207-TRB-STH				17.8										
65mm	F4BE 65M-TRB-STH				17.3										
2 1/2	F4BE 208-TRB-STH				17.5										

\* C<sub>comp</sub> is a comparative basic dynamic radial load rating similar to the C<sub>90</sub> dynamic load rating used by other bearing manufacturers. The C<sub>comp</sub> is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm. C<sub>comp</sub> is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.





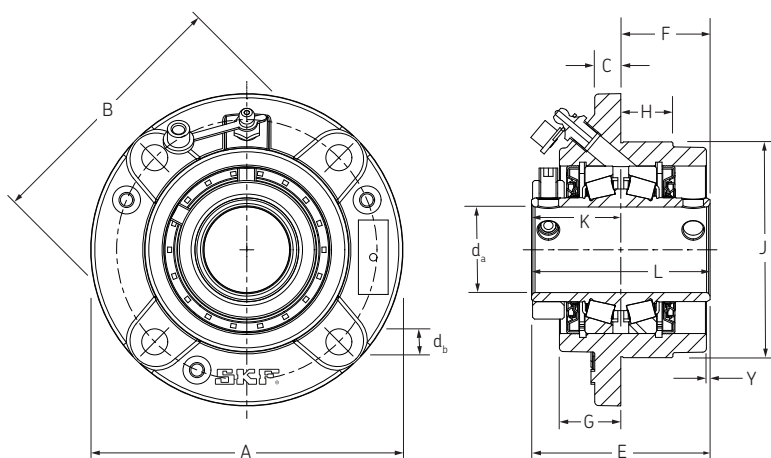
Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass	Bolt square								Bolts (No. req'd)	Bolt Hole D <sub>b</sub>
in/mm	—	lbf		r/min	lbs	A	B	C	D	E	K	L	R	in	in
2 11/16	F4BE 211-TRB-STH				26.3										
2 3/4	F4BE 212-TRB-STH				25.9										
70mm	F4BE 70M-TRB-STH	11800	53000	1900	26.0	7 3/4	6	1 5/8	3 15/16	4 11/16	2 1/4	4 1/2	2 7/16	(4)-3/4	13/16
2 15/16	F4BE 215-TRB-STH				24.9										
75mm	F4BE 75M-TRB-STH				24.9										
3	F4BE 300-TRB-STH				24.6										
80mm	F4BE 80M-TRB-STH				44.1										
3 3/16	F4BE 303-TRB-STH				43.7										
3 1/4	F4BE 304-TRB-STH				43.3										
85mm	F4BE 85M-TRB-STH	19000	96500	1550	42.7	9 1/4	7	1 7/8	4 1/2	5 1/4	2 1/2	5	2 3/4	(4)-3/4	13/16
3 7/16	F4BE 307-TRB-STH				41.9										
3 1/2	F4BE 308-TRB-STH				41.4										
90mm	F4BE 90M-TRB-STH				41.2										
100mm	F4BE 100M-TRB-STH				64.7										
3 15/16	F4BE 315-TRB-STH	26500	137000	1500	64.6	10 1/4	7 3/4	2 1/8	5 5/8	6 1/2	3 1/8	6 1/4	3 3/8	(4)-7/8	15/16
4	F4BE 400-TRB-STH				63.9										
110mm	F4BE 100M-TRB-STH				75.0										
4 7/16	F4BE 407-TRB-STH	32000	166000	1300	73.4	10 7/8	8 3/4	2 7/16	5 15/16	7 1/8	3 3/8	6 3/4	3 3/4	(4)-7/8	15/16
4 1/2	F4BE 408-TRB-STH				72.6										
115mm	F4BE 115M-TRB-STH				72.4										

\* C<sub>comp</sub> is a comparative basic dynamic radial load rating similar to the C<sub>90</sub> dynamic load rating used by other bearing manufacturers. The C<sub>comp</sub> is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm. C<sub>comp</sub> is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.

## Piloted flange / set screw

### F4BRPE

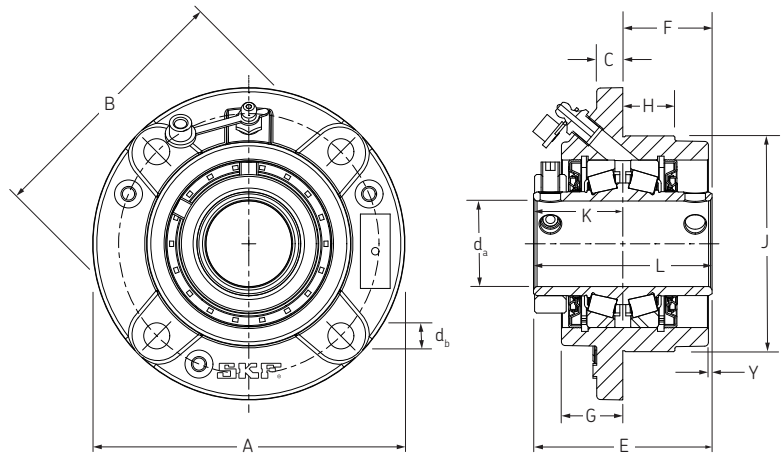
Cast-iron housing  
4-bolt  
Locating  
Cassette seal



Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass		Bolt circle										Bolts (No. req'd)	Bolt Hole D <sub>b</sub>
					A	B	C	E	F	G	H	J <sup>†</sup>	K	L	Y			
in/mm	—	lbs		r/min	lbs	in											in	in
1 3/16	F4BRPE 103-TRB-STH	3800	14600	4300	4.9	5	4 1/8	7/16	2 7/32	1 5/16	27/32	3/4	3 3/8	1 3/8	2 3/4	1/16	(4)-3/8	7/16
1 1/4	F4BRPE 104-TRB-STH				4.8													
1 3/8	F4BRPE 106-TRB-STH	6100	23200	3800	5.6	5 1/4	4 3/8	1/2	2 15/32	1 1/2	1 1/32	7/8	3 5/8	1 1/2	3	1/16	(4)-3/8	7/16
35mm	F4BRPE 35M-TRB-STH				5.6													
1 7/16	F4BRPE 107-TRB-STH				5.5													
1 1/2	F4BRPE 108-TRB-STH	7500	28500	3200	8.8	6 1/8	5 1/8	1/2	2 25/32	1 9/16	1 1/32	1 1/16	4 1/4	1 11/16	3 3/8	1/16	(4)-7/16	1/2
40mm	F4BRPE 40M-TRB-STH				8.7													
1 5/8	F4BRPE 110-TRB-STH				8.5													
1 11/16	F4BRPE 111-TRB-STH				8.4													
1 3/4	F4BRPE 112-TRB-STH	9650	36500	2850	10.6	6 3/8	5 3/8	9/16	2 29/32	1 5/8	1 1/32	1 3/16	4 1/2	1 3/4	3 1/2	0	(4)-7/16	1/2
45mm	F4BRPE 45M-TRB-STH				10.5													
1 7/8	F4BRPE 114-TRB-STH				10.2													
1 15/16	F4BRPE 115-TRB-STH				10.0													
50mm	F4BRPE 50M-TRB-STH				10.0													
2	F4BRPE 200-TRB-STH				9.9													
55mm	F4BRPE 55M-TRB-STH	10600	42500	2500	13.1	7 1/8	6	9/16	3 3/32	1 11/16	1 3/32	1 3/16	5	1 7/8	3 3/4	1/16	(4)-1/2	9/16
2 3/16	F4BRPE 203-TRB-STH				13.0													
2 1/4	F4BRPE 204-TRB-STH	11500	50000	2250	18.0	7 5/8	6 1/2	5/8	3 5/16	1 13/16	1 3/16	1 5/16	5 1/2	2	4	1/16	(4)-1/2	9/16
60mm	F4BRPE 60M-TRB-STH				17.6													
2 7/16	F4BRPE 207-TRB-STH				17.2													
2 1/2	F4BRPE 208-TRB-STH				17.0													
65mm	F4BRPE 65M-TRB-STH				16.7													

† O.D. tolerance of the F4BRP and F6BRP unit pilot diameter (J) dimension is 0.000 in. to -0.002 in.

\* C<sub>comp</sub> is a comparative basic dynamic radial load rating similar to the C<sub>90</sub> dynamic load rating used by other bearing manufacturers. The C<sub>comp</sub> is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm. C<sub>comp</sub> is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.



Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass		Bolt circle										Bolts (No. req'd)	Bolt Hole D <sub>b</sub>			
					A	B	C	E	F	G	H	J <sup>†</sup>	K	L	Y						
in/mm	—	lbs		r/min	lbs	in											in	in			
2 11/16	F4BRPE 211-TRB-STH	11800	53000	1900	26.6																
2 3/4	F4BRPE 212-TRB-STH				26.3																
70mm	F4BRPE 70M-TRB-STH				26.3	8 3/4	7 1/2	3/4	3 11/16	2	1 1/4	1 1/2	6 3/8	2 1/4	4 1/2	1/16	(4)-5/8	11/16			
2 15/16	F4BRPE 215-TRB-STH				25.2																
75mm	F4BRPE 75M-TRB-STH				25.2																
3	F4BRPE 300-TRB-STH				25.0																
80mm	F4BRPE 80M-TRB-STH	19000	96500	1550	41.6																
3 3/16	F4BRPE 303-TRB-STH				41.1																
3 1/4	F4BRPE 304-TRB-STH				40.7																
85mm	F4BRPE 85M-TRB-STH				40.1	10 1/4	8 5/8	15/16	4 3/16	2 7/16	1 11/16	1 1/4	7 3/8	2 1/2	5	1/16	(4)-3/4	13/16			
3 7/16	F4BRPE 307-TRB-STH				39.3																
3 1/2	F4BRPE 308-TRB-STH				38.8																
90mm	F4BRPE 90M-TRB-STH				38.6																
100mm	F4BRPE 100M-TRB-STH							55.5													
3 15/16	F4BRPE 315-TRB-STH	26500	137000	1500	55.3	10 7/8	9 3/8	1	4 1/2	2 11/16	1 13/16	1 1/2	8 1/8	3 1/8	6 1/4	7/8	(4)-3/4	13/16			
4	F4BRPE 400-TRB-STH				54.6																

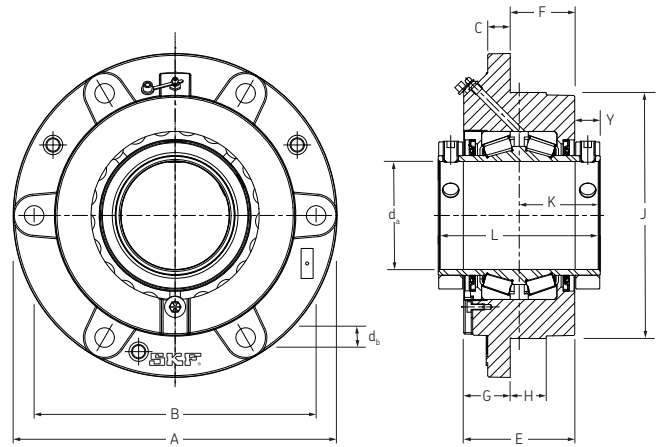
<sup>†</sup> O.D. tolerance of the F4BRP and F6BRP unit pilot diameter (J) dimension is 0.000 in. to -0.002 in.

\*  $C_{comp}$  is a comparative basic dynamic radial load rating similar to the C90 dynamic load rating used by other bearing manufacturers. The  $C_{comp}$  is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm.  $C_{comp}$  is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.

## Piloted flange / set screw

### F6BRPE

Cast-iron housing  
6-bolt  
Locating  
Cassette seal



Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass	Bolt circle										Bolts (No. req'd)	Bolt Hole D <sub>b</sub>	
						A	B	C	E	F	G	H	J <sup>†</sup>	K	L			Y
in/mm	—	lbs		r/min	lbs	in											in	in
110mm	<a href="#">F6BRPE 110M-TRB-STH</a>	32000	166000	1300	94.9													
4 7/16	<a href="#">F6BRPE 407-TRB-STH</a>				93.3	13 1/2	11 3/4	1	4 5/8	3	1 15/16	1 1/2	10 1/4	3 3/8	6 3/4	1 1/16	(6)-3/4	13/16
4 1/2	<a href="#">F6BRPE 408-TRB-STH</a>				92.5													
115mm	<a href="#">F6BRPE 115M-TRB-STH</a>				92.3													
125mm	<a href="#">F6BRPE 125M-TRB-STH</a>				121.4													
4 15/16	<a href="#">F6BRPE 415-TRB-STH</a>	44000	232000	1150	120.8	14 3/4	12 3/4	1 1/4	5 1/16	2 31/32	1 7/8	1 3/4	11	3 5/8	7 1/4	1 3/32	(6)-7/8	15/16
5	<a href="#">F6BRPE 500-TRB-STH</a>				119.8													

<sup>†</sup> O.D. tolerance of the F4BRP and F6BRP unit pilot diameter (J) dimension is 0.000 in. to -0.002 in.

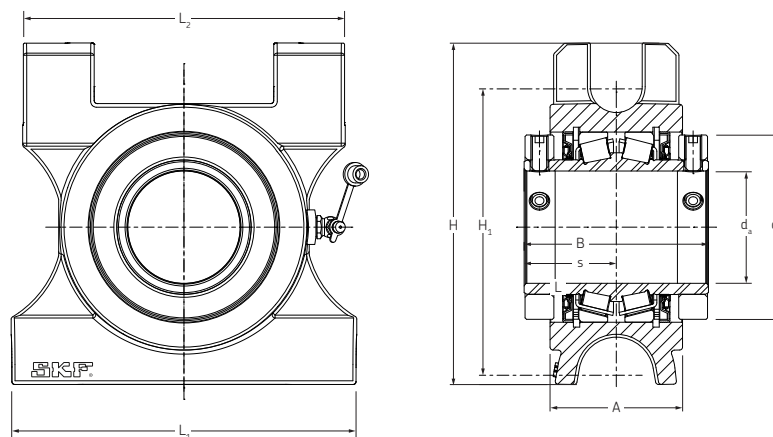
\*  $C_{comp}$  is a comparative basic dynamic radial load rating similar to the C90 dynamic load rating used by other bearing manufacturers. The  $C_{comp}$  is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm.  $C_{comp}$  is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.



## Top-angle take-up unit / set screw

### TATUE

Cast-iron housing  
Locating  
Cassette seal

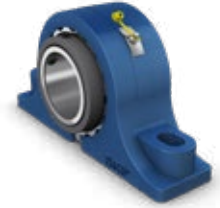


Shaft dia. d <sub>a</sub>	Designation	Dynamic load rating C <sub>comp</sub> *	Static load Rating C <sub>0</sub>	Limiting speed (CR Seal)	Mass							
					H <sub>1</sub>	H	L <sub>1</sub>	L <sub>2</sub>	A	B	s	d <sub>2</sub>
in/mm	–	lbs		r/min	in							
1 3/4	TATUE 112-TRB-STH				12.7							
45mm	TATUE 45M-TRB-STH				12.7							
1 7/8	TATUE 114-TRB-STH	9650	36500	2850	12.3	5 3/16	6 3/8	6 1/2	6	2 1/2	3 1/2	1 3/4
1 15/16	TATUE 115-TRB-STH				12.2							3 5/32
50mm	TATUE 50M-TRB-STH				12.1							
2	TATUE 200-TRB-STH				12.0							
55mm	TATUE 55M-TRB-STH	10600	42500	2500	15.1	5 13/16	6 7/8	6 3/4	7	2 9/16	3 3/4	1 7/8
2 3/16	TATUE 203-TRB-STH				15.0							3 1/4
2 1/4	TATUE 204-TRB-STH				20.9							
60mm	TATUE 60M-TRB-STH				20.5							
2 7/16	TATUE 207-TRB-STH	11500	50000	2250	20.2	6 1/4	7 7/16	7 1/2	7	2 7/8	4	2
2 1/2	TATUE 208-TRB-STH				19.9							4
65mm	TATUE 65M-TRB-STH				19.7							
2 11/16	TATUE 211-TRB-STH				28.0							
2 3/4	TATUE 212-TRB-STH				27.6							
70mm	TATUE 70M-TRB-STH	11800	53000	1900	27.7	7 3/16	8 5/16	8 1/2	8	3	4 1/2	2 1/4
2 15/16	TATUE 215-TRB-STH				26.6							4 3/8
75mm	TATUE 75M-TRB-STH				26.6							
3	TATUE 300-TRB-STH				26.3							
80mm	TATUE 80M-TRB-STH				43.0							
3 3/16	TATUE 303-TRB-STH				42.5							
3 1/4	TATUE 304-TRB-STH				42.1							
85mm	TATUE 85M-TRB-STH	19000	96500	1550	41.6	8 5/16	9 5/8	9 1/2	9	3 1/2	5	2 1/2
3 7/16	TATUE 307-TRB-STH				40.7							5 1/8
3 1/2	TATUE 308-TRB-STH				40.3							
90mm	TATUE 90M-TRB-STH				40.0							
100mm	TATUE 100M-TRB-STH				59.1							
3 15/16	TATUE 315-TRB-STH	26500	137000	1500	58.9	9 1/16	11	11	10 1/2	4 1/2	6 1/4	3 1/8
4	TATUE 400-TRB-STH				58.2							5 13/16

\* C<sub>comp</sub> is a comparative basic dynamic radial load rating similar to the C<sub>90</sub> dynamic load rating used by other bearing manufacturers. The C<sub>comp</sub> is based on 90 million revolutions of basic rating life, or 3000 hours of operation at 500 rpm. C<sub>comp</sub> is intended to be used for reference only. Contact SKF Application Engineering for bearing life calculations and selection help.

# Type E interchange

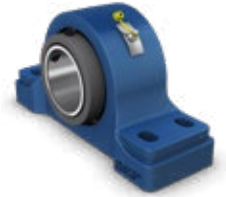
## Pillow block (2-bolt)



Shaft size			SKF	Dodge		Timken	Browning	Moline	Royersford
inch	mm	Housing shape	Part number	Part name	Part number	Part number	Part number	Part number	Part number
1 3/16		P2B	<a href="#">P2BE 103-TRB-STH</a>	P2B-E-103R	023000	E-P2B-TRB-1 3/16	PBE920x1 3/16	19321103	20-02-0103
1 1/4		P2B	<a href="#">P2BE 104-TRB-STH</a>	P2B-E-104R	023001	E-P2B-TRB-1 1/4	PBE920x1 1/4	19321104	20-02-0104
1 3/8		P2B	<a href="#">P2BE 106-TRB-STH</a>	P2B-E-106R	023002	E-P2B-TRB-1 3/8	PBE920x1 3/8	19321106	20-02-0106
1 7/16		P2B	<a href="#">P2BE 107-TRB-STH</a>	P2B-E-107R	023003	E-P2B-TRB-1 7/16	PBE920x1 7/16	19321107	20-02-0107
	35mm	P2B	<a href="#">P2BE 35M-TRB-STH</a>	P2B-E-035MR	023620	E-P2B-TRB-35MM	–	19321035	25-02-0035
1 1/2		P2B	<a href="#">P2BE 108-TRB-STH</a>	P2B-E-108R	023004	E-P2B-TRB-1 1/2	PBE920x1 1/2	19321108	20-02-0108
1 5/8		P2B	<a href="#">P2BE 110-TRB-STH</a>	P2B-E-110R	023005	E-P2B-TRB-1 5/8	PBE920x1 5/8	19321110	20-02-0110
1 11/16		P2B	<a href="#">P2BE 111-TRB-STH</a>	P2B-E-111R	023006	E-P2B-TRB-1 11/16	PBE920x1 11/16	19321111	20-02-0111
	40mm	P2B	<a href="#">P2BE 40M-TRB-STH</a>	P2B-E-040MR	023621	E-P2B-TRB-40MM	–	19321040	25-02-0040
1 3/4		P2B	<a href="#">P2BE 112-TRB-STH</a>	P2B-E-112R	023007	E-P2B-TRB-1 3/4	PBE920x1 3/4	19321112	20-02-0112
1 7/8		P2B	<a href="#">P2BE 114-TRB-STH</a>	P2B-E-114R	023008	E-P2B-TRB-1 7/8	PBE920x1 7/8	19321114	20-02-0114
1 15/16		P2B	<a href="#">P2BE 115-TRB-STH</a>	P2B-E-115R	023009	E-P2B-TRB-1 15/16	PBE920x1 15/16	19321115	20-02-0115
2		P2B	<a href="#">P2BE 200-TRB-STH</a>	P2B-E-200R	023010	E-P2B-TRB-2	PBE920x2	19321200	20-02-0200
	45mm	P2B	<a href="#">P2BE 45M-TRB-STH</a>	P2B-E-045MR	023622	E-P2B-TRB-45MM	–	19321045	25-02-0045
	50mm	P2B	<a href="#">P2BE 50M-TRB-STH</a>	P2B-E-050MR	023623	E-P2B-TRB-50MM	–	19321050	25-02-0050
2 3/16		P2B	<a href="#">P2BE 203-TRB-STH</a>	P2B-E-203R	023011	E-P2B-TRB-2 3/16	PBE920x2 3/16	19321203	20-02-0203
	55mm	P2B	<a href="#">P2BE 55M-TRB-STH</a>	P2B-E-055MR	023624	E-P2B-TRB-55MM	–	19321055	25-02-0055
2 1/4		P2B	<a href="#">P2BE 204-TRB-STH</a>	P2B-E-204R	023012	E-P2B-TRB-2 1/4	PBE920x2 1/4	19321204	20-02-0204
2 7/16		P2B	<a href="#">P2BE 207-TRB-STH</a>	P2B-E-207R	023013	E-P2B-TRB-2 7/16	PBE920x2 7/16	19321207	20-02-0207
2 1/2		P2B	<a href="#">P2BE 208-TRB-STH</a>	P2B-E-208R	023014	E-P2B-TRB-2 1/2	PBE920x2 1/2	19321208	20-02-0208
	60mm	P2B	<a href="#">P2BE 60M-TRB-STH</a>	P2B-E-060MR	023625	E-P2B-TRB-60MM	–	19321060	25-02-0060
	65mm	P2B	<a href="#">P2BE 65M-TRB-STH</a>	P2B-E-065MR	023626	E-P2B-TRB-65MM	–	19321065	25-02-0065
2 11/16		P2B	<a href="#">P2BE 211-TRB-STH</a>	P2B-E-211R	023015	E-P2B-TRB-2 11/16	PBE920x2 11/16	19321211	20-02-0211
2 3/4		P2B	<a href="#">P2BE 212-TRB-STH</a>	P2B-E-212R	023016	E-P2B-TRB-2 3/4	PBE920x2 3/4	19321212	20-02-0212
2 15/16		P2B	<a href="#">P2BE 215-TRB-STH</a>	P2B-E-215R	023017	E-P2B-TRB-2 15/16	PBE920x2 15/16	19321215	20-02-0215
3		P2B	<a href="#">P2BE 300-TRB-STH</a>	P2B-E-300R	023018	E-P2B-TRB-3	PBE920x3	19321300	20-02-0300
	70mm	P2B	<a href="#">P2BE 70M-TRB-STH</a>	P2B-E-070MR	023627	E-P2B-TRB-70MM	–	19321070	25-02-0070
	75mm	P2B	<a href="#">P2BE 75M-TRB-STH</a>	P2B-E-075MR	023628	E-P2B-TRB-75MM	–	19321075	25-02-0075
3 3/16		P2B	<a href="#">P2BE 303-TRB-STH</a>	P2B-E-303R	023019	E-P2B-TRB-3 3/16	PBE920x3 3/16	19321303	20-02-0303
3 1/4		P2B	<a href="#">P2BE 304-TRB-STH</a>	P2B-E-304R	023020	E-P2B-TRB-3 1/4	PBE920x3 1/4	19321304	20-02-0304
3 7/16		P2B	<a href="#">P2BE 307-TRB-STH</a>	P2B-E-307R	023021	E-P2B-TRB-3 7/16	PBE920x3 7/16	19321307	20-02-0307
3 1/2		P2B	<a href="#">P2BE 308-TRB-STH</a>	P2B-E-308R	023022	E-P2B-TRB-3 1/2	PBE920x3 1/2	19321308	20-02-0308
	80mm	P2B	<a href="#">P2BE 80M-TRB-STH</a>	P2B-E-080MR	023629	E-P2B-TRB-80MM	–	19321080	25-02-0080
	85mm	P2B	<a href="#">P2BE 85M-TRB-STH</a>	P2B-E-085MR	023630	E-P2B-TRB-85MM	–	19321085	25-02-0085
	90mm	P2B	<a href="#">P2BE 90M-TRB-STH</a>	P2B-E-090MR	023631	E-P2B-TRB-90MM	–	19321090	25-02-0090

# Type E interchange

## Pillow block (4-bolt)



Shaft size			SKF	Dodge		Timken	Browning	Moline	Royersford
inch	mm	Housing shape	Part number	Part name	Part number	Part number	Part number	Part number	Part number
2 1/4		P4B	<a href="#">P4BE 204-TRB-STH</a>	P4B-E-204R	023023	E-P4B-TRB-2 1/4	PBE920Fx2 1/4	19341204	20-04-0204
2 7/16		P4B	<a href="#">P4BE 207-TRB-STH</a>	P4B-E-207R	023024	E-P4B-TRB-2 7/16	PBE920Fx2 7/16	19341207	20-04-0207
2 1/2		P4B	<a href="#">P4BE 208-TRB-STH</a>	P4B-E-208R	023025	E-P4B-TRB-2 1/2	PBE920Fx2 1/2	19341208	20-04-0208
	60mm	P4B	<a href="#">P4BE 60M-TRB-STH</a>	–	–	E-P4B-TRB-60MM	–	19341060	25-04-0060
	65mm	P4B	<a href="#">P4BE 65M-TRB-STH</a>	–	–	E-P4B-TRB-65MM	–	19341065	25-04-0065
2 11/16		P4B	<a href="#">P4BE 211-TRB-STH</a>	P4B-E-211R	023026	E-P4B-TRB-2 11/16	PBE920Fx2 11/16	19341211	20-04-0211
2 3/4		P4B	<a href="#">P4BE 212-TRB-STH</a>	P4B-E-212R	023027	E-P4B-TRB-2 3/4	PBE920Fx2 3/4	19341212	20-04-0212
2 15/16		P4B	<a href="#">P4BE 215-TRB-STH</a>	P4B-E-215R	023028	E-P4B-TRB-2 15/16	PBE920Fx2 15/16	19341215	20-04-0215
3		P4B	<a href="#">P4BE 300-TRB-STH</a>	P4B-E-300R	023029	E-P4B-TRB-3	PBE920Fx3	19341300	20-04-0300
	70mm	P4B	<a href="#">P4BE 70M-TRB-STH</a>	–	–	E-P4B-TRB-70MM	–	19341070	25-04-0070
	75mm	P4B	<a href="#">P4BE 75M-TRB-STH</a>	–	–	E-P4B-TRB-75MM	–	19341075	25-04-0075
3 3/16		P4B	<a href="#">P4BE 303-TRB-STH</a>	P4B-E-303R	023030	E-P4B-TRB-3 3/16	PBE920Fx3 3/16	19341303	20-04-0303
3 1/4		P4B	<a href="#">P4BE 304-TRB-STH</a>	P4B-E-304R	023031	E-P4B-TRB-3 1/4	PBE920Fx3 1/4	19341304	20-04-0304
3 7/16		P4B	<a href="#">P4BE 307-TRB-STH</a>	P4B-E-307R	023032	E-P4B-TRB-3 7/16	PBE920Fx3 7/16	19341307	20-04-0307
3 1/2		P4B	<a href="#">P4BE 308-TRB-STH</a>	P4B-E-308R	023033	E-P4B-TRB-3 1/2	PBE920Fx3 1/2	19341308	20-04-0308
	80mm	P4B	<a href="#">P4BE 80M-TRB-STH</a>	–	–	E-P4B-TRB-80MM	–	19341080	25-04-0080
	85mm	P4B	<a href="#">P4BE 85M-TRB-STH</a>	–	–	E-P4B-TRB-85MM	–	19341085	25-04-0085
	90mm	P4B	<a href="#">P4BE 90M-TRB-STH</a>	–	–	E-P4B-TRB-90MM	–	19341090	25-04-0090
3 15/16		P4B	<a href="#">P4BE 315-TRB-STH</a>	P4B-E-315R	023690	E-P4B-TRB-3 15/16	PBE920Fx3 15/16	19341315	20-04-0315
4		P4B	<a href="#">P4BE 400-TRB-STH</a>	P4B-E-400R	023691	E-P4B-TRB-4	PBE920Fx4	19341400	20-04-0400
	100mm	P4B	<a href="#">P4BE 100M-TRB-STH</a>	P4B-E-100MR	023632	E-P4B-TRB-100MM	–	19341100	25-04-0100
4 7/16		P4B	<a href="#">P4BE 407-TRB-STH</a>	P4B-E-407R	023692	E-P4B-TRB-4 7/16	PBE920Fx4 7/16	19341407	20-04-0407
4 1/2		P4B	<a href="#">P4BE 408-TRB-STH</a>	P4B-E-408R	023693	E-P4B-TRB-4 1/2	PBE920Fx4 1/2	19341408	20-04-0408
	110mm	P4B	<a href="#">P4BE 110M-TRB-STH</a>	P4B-E-110MR	023633	E-P4B-TRB-110MM	–	19341110	25-04-0110
	115mm	P4B	<a href="#">P4BE 115M-TRB-STH</a>	P4B-E-115MR	023634	E-P4B-TRB-115MM	–	19341115	25-04-0115
4 15/16		P4B	<a href="#">P4BE 415-TRB-STH</a>	P4B-E-415R	023694	E-P4B-TRB-4 15/16	PBE920Fx4 15/16	19341415	20-04-0415
5		P4B	<a href="#">P4BE 500-TRB-STH</a>	P4B-E-500R	023695	E-P4B-TRB-5	PBE920Fx5	19341500	20-04-0500
	125mm	P4B	<a href="#">P4BE 125M-TRB-STH</a>	P4B-E-125MR	023635	E-P4B-TRB-125MM	–	19341125	25-04-0125

# Type E interchange

## Piloted flange (4- and 6-bolt)



Shaft size			SKF		Dodge	Timken	Moline	Royersford
inch	mm	Housing shape	Part number	Part name	Part number	Part number	Part number	Part number
1-3/16		F4BRP	<a href="#">F4BRPE 103-TRB-STH</a>	FC-E-103R	023120	E-PF-TRB-1 3/16	–	20-06-0103
1-1/4		F4BRP	<a href="#">F4BRPE 104-TRB-STH</a>	FC-E-104R	023121	E-PF-TRB-1 1/4	–	20-06-0104
1-3/8		F4BRP	<a href="#">F4BRPE 106-TRB-STH</a>	FC-E-106R	023122	E-PF-TRB-1 3/8	–	20-06-0106
1-7/16		F4BRP	<a href="#">F4BRPE 107-TRB-STH</a>	FC-E-107R	023123	E-PF-TRB-1 7/16	–	20-06-0107
	35mm	F4BRP	<a href="#">F4BRPE 35M-TRB-STH</a>	–	–	E-PF-TRB-35MM	–	25-06-0035
1-1/2		F4BRP	<a href="#">F4BRPE 108-TRB-STH</a>	FC-E-108R	023124	E-PF-TRB-1 1/2	19331108	20-06-0108
1-5/8		F4BRP	<a href="#">F4BRPE 110-TRB-STH</a>	FC-E-110R	023125	E-PF-TRB-1 5/8	19331110	20-06-0110
1-11/16		F4BRP	<a href="#">F4BRPE 111-TRB-STH</a>	FC-E-111R	023126	E-PF-TRB-1 11/16	19331111	20-06-0111
	40mm	F4BRP	<a href="#">F4BRPE 40M-TRB-STH</a>	–	–	E-PF-TRB-40MM	19331040	25-06-0040
1-3/4		F4BRP	<a href="#">F4BRPE 112-TRB-STH</a>	FC-E-112R	023127	E-PF-TRB-1 3/4	19331112	20-06-0112
1-7/8		F4BRP	<a href="#">F4BRPE 114-TRB-STH</a>	FC-E-114R	023128	E-PF-TRB-1 7/8	19331114	20-06-0114
1-15/16		F4BRP	<a href="#">F4BRPE 115-TRB-STH</a>	FC-E-115R	023129	E-PF-TRB-1 15/16	19331115	20-06-0115
2		F4BRP	<a href="#">F4BRPE 200-TRB-STH</a>	FC-E-200R	023130	E-PF-TRB-2	19331200	20-06-0200
	45mm	F4BRP	<a href="#">F4BRPE 45M-TRB-STH</a>	–	–	E-PF-TRB-45MM	19331045	25-06-0045
	50mm	F4BRP	<a href="#">F4BRPE 50M-TRB-STH</a>	–	–	E-PF-TRB-50MM	19331050	25-06-0050
2-3/16		F4BRP	<a href="#">F4BRPE 203-TRB-STH</a>	FC-E-203R	023131	E-PF-TRB-2 3/16	19331203	20-06-0203
	55mm	F4BRP	<a href="#">F4BRPE 55M-TRB-STH</a>	–	–	E-PF-TRB-55MM	19331055	25-06-0055
2-1/4		F4BRP	<a href="#">F4BRPE 204-TRB-STH</a>	FC-E-204R	023132	E-PF-TRB-2 1/4	19331204	20-06-0204
2-7/16		F4BRP	<a href="#">F4BRPE 207-TRB-STH</a>	FC-E-207R	023133	E-PF-TRB-2 7/16	19331207	20-06-0207
2-1/2		F4BRP	<a href="#">F4BRPE 208-TRB-STH</a>	FC-E-208R	023134	E-PF-TRB-2 1/2	19331208	20-06-0208
	60mm	F4BRP	<a href="#">F4BRPE 60M-TRB-STH</a>	–	–	E-PF-TRB-60MM	19331060	25-06-0060
	65mm	F4BRP	<a href="#">F4BRPE 65M-TRB-STH</a>	–	–	E-PF-TRB-65MM	19331065	25-06-0065
2-11/16		F4BRP	<a href="#">F4BRPE 211-TRB-STH</a>	FC-E-211R	023135	E-PF-TRB-2 11/16	19331211	20-06-0211
2-3/4		F4BRP	<a href="#">F4BRPE 212-TRB-STH</a>	FC-E-212R	023136	E-PF-TRB-2 3/4	19331212	20-06-0212
2-15/16		F4BRP	<a href="#">F4BRPE 215-TRB-STH</a>	FC-E-215R	023137	E-PF-TRB-2 15/16	19331215	20-06-0215
3		F4BRP	<a href="#">F4BRPE 300-TRB-STH</a>	FC-E-300R	023138	E-PF-TRB-3	19331300	20-06-0300
	70mm	F4BRP	<a href="#">F4BRPE 70M-TRB-STH</a>	–	–	E-PF-TRB-70MM	19331070	25-06-0070
	75mm	F4BRP	<a href="#">F4BRPE 75M-TRB-STH</a>	–	–	E-PF-TRB-75MM	19331075	25-06-0075
3-3/16		F4BRP	<a href="#">F4BRPE 303-TRB-STH</a>	FC-E-303R	023139	E-PF-TRB-3 3/16	19331303	20-06-0303
3-1/4		F4BRP	<a href="#">F4BRPE 304-TRB-STH</a>	FC-E-304R	023140	E-PF-TRB-3 1/4	19331304	20-06-0304
3-7/16		F4BRP	<a href="#">F4BRPE 307-TRB-STH</a>	FC-E-307R	023141	E-PF-TRB-3 7/16	19331307	20-06-0307
3-1/2		F4BRP	<a href="#">F4BRPE 308-TRB-STH</a>	FC-E-308R	023142	E-PF-TRB-3 1/2	19331308	20-06-0308
	80mm	F4BRP	<a href="#">F4BRPE 80M-TRB-STH</a>	–	–	E-PF-TRB-80MM	19331080	25-06-0080
	85mm	F4BRP	<a href="#">F4BRPE 85M-TRB-STH</a>	–	–	E-PF-TRB-85MM	19331085	25-06-0085
	90mm	F4BRP	<a href="#">F4BRPE 90M-TRB-STH</a>	–	–	E-PF-TRB-90MM	19331090	25-06-0090
3-15/16		F4BRP	<a href="#">F4BRPE 315-TRB-STH</a>	FC-E-315R	023143	E-PF-TRB-3 15/16	19331315	20-06-0315
4		F4BRP	<a href="#">F4BRPE 400-TRB-STH</a>	FC-E-400R	023144	E-PF-TRB-4	19331400	20-06-0400
	100mm	F4BRP	<a href="#">F4BRPE 100M-TRB-STH</a>	–	–	E-PF-TRB-100MM	19331100	25-06-0100
4-7/16		F6BRP	<a href="#">F6BRPE 407-TRB-STH</a>	FC-E-407R	023145	E-PF-TRB-4 7/16	19331407	20-06-0407
4-1/2		F6BRP	<a href="#">F6BRPE 408-TRB-STH</a>	FC-E-408R	023146	E-PF-TRB-4 1/2	19331408	20-06-0408
	110mm	F6BRP	<a href="#">F6BRPE 110M-TRB-STH</a>	–	–	E-PF-TRB-110MM	19331110M	25-06-0110
	115mm	F6BRP	<a href="#">F6BRPE 115M-TRB-STH</a>	–	–	E-PF-TRB-115MM	19331115M	25-06-0115
4-15/16		F6BRP	<a href="#">F6BRPE 415-TRB-STH</a>	FC-E-415R	023147	E-PF-TRB-4 15/16	19331415	20-06-0415
5		F6BRP	<a href="#">F6BRPE 500-TRB-STH</a>	FC-E-500R	023148	E-PF-TRB-5	19331500	20-06-0500
	125mm	F6BRP	<a href="#">F6BRPE 125M-TRB-STH</a>	–	–	E-PF-TRB-125MM	19331125	25-06-0125

# Type E interchange

## Flange (4-bolt)



Shaft size			SKF	Dodge		Timken	Browning	Moline	Royersford
inch	mm	Housing shape	Part number	Part name	Part number	Part number	Part number	Part number	Part number
1 3/16		F4B	<a href="#">F4BE 103-TRB-STH</a>	F4B-E-103R	023093	E-4BF-TRB-1 3/16	FBE-920x1 3/16	19311103	20-05-0103
1 1/4		F4B	<a href="#">F4BE 104-TRB-STH</a>	F4B-E-104R	023094	E-4BF-TRB-1 1/4	FBE920x1 1/4	19311104	20-05-0104
1 3/8		F4B	<a href="#">F4BE 106-TRB-STH</a>	F4B-E-106R	023095	E-4BF-TRB-1 3/8	FBE920x1 3/8	19311106	20-05-0106
1 7/16		F4B	<a href="#">F4BE 107-TRB-STH</a>	F4B-E-107R	023096	E-4BF-TRB-1 7/16	FBE920x-1 7/16	19311107	20-05-0107
	35mm	F4B	<a href="#">F4BE 35M-TRB-STH</a>	–	–	E-4BF-TRB-35MM	–	19311035	25-05-0035
1 1/2		F4B	<a href="#">F4BE 108-TRB-STH</a>	F4B-E-108R	023097	E-4BF-TRB-1 1/2	FBE920x1 1/2	19311108	20-05-0108
1 5/8		F4B	<a href="#">F4BE 110-TRB-STH</a>	F4B-E-110R	023098	E-4BF-TRB-1 5/8	FBE920x1 5/8	19311110	20-05-0110
1 11/16		F4B	<a href="#">F4BE 111-TRB-STH</a>	F4B-E-111R	023099	E-4BF-TRB-1 11/16	FBE920x1 11/16	19311111	20-05-0111
	40mm	F4B	<a href="#">F4BE 40M-TRB-STH</a>	–	–	E-4BF-TRB-40MM	–	19311040	25-05-0040
1 3/4		F4B	<a href="#">F4BE 112-TRB-STH</a>	F4B-E-112R	023100	E-4BF-TRB-1 3/4	FBE920x1 3/4	19311112	20-05-0112
1 7/8		F4B	<a href="#">F4BE 114-TRB-STH</a>	F4B-E-114R	023101	E-4BF-TRB-1 7/8	FBE920x1 7/8	19311114	20-05-0114
1 15/16		F4B	<a href="#">F4BE 115-TRB-STH</a>	F4B-E-115R	023102	E-4BF-TRB-1 15/16	FBE920x1 15/16	19311115	20-05-0115
2		F4B	<a href="#">F4BE 200-TRB-STH</a>	F4B-E-200R	023103	E-4BF-TRB-2	FBE920x2	19311200	20-05-0200
	45mm	F4B	<a href="#">F4BE 45M-TRB-STH</a>	–	–	E-4BF-TRB-45MM	–	19311045	25-05-0045
	50mm	F4B	<a href="#">F4BE 50M-TRB-STH</a>	–	–	E-4BF-TRB-50MM	–	19311050	25-05-0050
2 3/16		F4B	<a href="#">F4BE 203-TRB-STH</a>	F4B-E-203R	023104	E-4BF-TRB-2 3/16	FBE920x2 3/16	19311203	20-05-0203
	55mm	F4B	<a href="#">F4BE 55M-TRB-STH</a>	–	–	E-4BF-TRB-55MM	–	19311055	25-05-0055
2 1/4		F4B	<a href="#">F4BE 204-TRB-STH</a>	F4B-E-204R	023105	E-4BF-TRB-2 1/4	FBE920x2 1/4	19311204	20-05-0204
2 7/16		F4B	<a href="#">F4BE 207-TRB-STH</a>	F4B-E-207R	023106	E-4BF-TRB-2 7/16	FBE920x2 7/16	19311207	20-05-0207
2 1/2		F4B	<a href="#">F4BE 208-TRB-STH</a>	F4B-E-208R	023107	E-4BF-TRB-2 1/2	FBE920x2 1/2	19311208	20-05-0208
	60mm	F4B	<a href="#">F4BE 60M-TRB-STH</a>	–	–	E-4BF-TRB-60MM	–	19311060	25-05-0060
	65mm	F4B	<a href="#">F4BE 65M-TRB-STH</a>	–	–	E-4BF-TRB-65MM	–	19311065	25-05-0065
2 11/16		F4B	<a href="#">F4BE 211-TRB-STH</a>	F4B-E-211R	023108	E-4BF-TRB-2 11/16	FBE920x2 11/16	19311211	20-05-0211
2 3/4		F4B	<a href="#">F4BE 212-TRB-STH</a>	F4B-E-212R	023109	E-4BF-TRB-2 3/4	FBE920x2 3/4	19311212	20-05-0212
2 15/16		F4B	<a href="#">F4BE 215-TRB-STH</a>	F4B-E-215R	023110	E-4BF-TRB-2 15/16	FBE920x2 15/16	19311215	20-05-0215
3		F4B	<a href="#">F4BE 300-TRB-STH</a>	F4B-E-300R	023111	E-4BF-TRB-3	FBE920x3	19311300	20-05-0300
	70mm	F4B	<a href="#">F4BE 70M-TRB-STH</a>	–	–	E-4BF-TRB-70MM	–	19311070	25-05-0070
	75mm	F4B	<a href="#">F4BE 75M-TRB-STH</a>	–	–	E-4BF-TRB-75MM	–	19311075	25-05-0075
3 3/16		F4B	<a href="#">F4BE 303-TRB-STH</a>	F4B-E-303R	023112	E-4BF-TRB-3 3/16	FBE920x3 3/16	19311303	20-05-0303
3 1/4		F4B	<a href="#">F4BE 304-TRB-STH</a>	F4B-E-304R	023113	E-4BF-TRB-3 1/4	FBE920x3 1/4	19311304	20-05-0304
3 7/16		F4B	<a href="#">F4BE 307-TRB-STH</a>	F4B-E-307R	023114	E-4BF-TRB-3 7/16	FBE920x3 7/16	19311307	20-05-0307
3 1/2		F4B	<a href="#">F4BE 308-TRB-STH</a>	F4B-E-308R	023115	E-4BF-TRB-3 1/2	FBE920x3 1/2	19311308	20-05-0308
	80mm	F4B	<a href="#">F4BE 80M-TRB-STH</a>	–	–	E-4BF-TRB-80MM	–	19311080	25-05-0080
	85mm	F4B	<a href="#">F4BE 85M-TRB-STH</a>	–	–	E-4BF-TRB-85MM	–	19311085	25-05-0085
	90mm	F4B	<a href="#">F4BE 90M-TRB-STH</a>	–	–	E-4BF-TRB-90MM	–	19311090	25-05-0090
3 15/16		F4B	<a href="#">F4BE 315-TRB-STH</a>	F4B-E-315R	023116	E-4BF-TRB-3 15/16	FBE920x3 15/16	19311315	20-05-0315
4		F4B	<a href="#">F4BE 400-TRB-STH</a>	F4B-E-400R	023117	E-4BF-TRB-4	FBE920x4	19311400	20-05-0400
	100mm	F4B	<a href="#">F4BE 100M-TRB-STH</a>	–	–	E-4BF-TRB-100MM	–	19311100	25-05-0100
4 7/16		F4B	<a href="#">F4BE 407-TRB-STH</a>	F4B-E-407R	023118	E-4BF-TRB-4 7/16	–	19311407	20-05-0407
4 1/2		F4B	<a href="#">F4BE 408-TRB-STH</a>	F4B-E-408R	023119	E-4BF-TRB-4 1/2	–	19311408	20-05-0408
	110mm	F4B	<a href="#">F4BE 110M-TRB-STH</a>	–	–	E-4BF-TRB-110MM	–	19311110M	25-05-0110
	115mm	F4B	<a href="#">F4BE 115M-TRB-STH</a>	–	–	E-4BF-TRB-115MM	–	19311115M	25-05-0115

# Type E interchange

## Top angle take-up



Shaft size			SKF		Dodge	Timken
inch	mm	Housing shape	Part number	Part name	Part number	Part number
1 3/4		TATU	<a href="#">TATUE 112-TRB-STH</a>	TP-E-112R	023149	E-TTU-TRB-1 3/4
1 7/8		TATU	<a href="#">TATUE 114-TRB-STH</a>	TP-E-114R	023150	E-TTU-TRB-1 7/8
1 15/16		TATU	<a href="#">TATUE 115-TRB-STH</a>	TP-E-115R	023151	E-TTU-TRB-1 15/16
2		TATU	<a href="#">TATUE 200-TRB-STH</a>	TP-E-200R	023152	E-TTU-TRB-2
	45mm	TATU	<a href="#">TATUE 45M-TRB-STH</a>			E-TTU-TRB-45MM
	50mm	TATU	<a href="#">TATUE 50M-TRB-STH</a>			E-TTU-TRB-50MM
2 3/16		TATU	<a href="#">TATUE 203-TRB-STH</a>	TP-E-203R	023153	E-TTU-TRB-2 3/16
	55mm	TATU	<a href="#">TATUE 55M-TRB-STH</a>			E-TTU-TRB-55MM
2 1/4		TATU	<a href="#">TATUE 204-TRB-STH</a>	TP-E-204R	023154	E-TTU-TRB-2 1/4
2 7/16		TATU	<a href="#">TATUE 207-TRB-STH</a>	TP-E-207R	023155	E-TTU-TRB-2 7/16
2 1/2		TATU	<a href="#">TATUE 208-TRB-STH</a>	TP-E-208R	023156	E-TTU-TRB-2 1/2
	60mm	TATU	<a href="#">TATUE 60M-TRB-STH</a>			E-TTU-TRB-60MM
	65mm	TATU	<a href="#">TATUE 65M-TRB-STH</a>			E-TTU-TRB-65MM
2 11/16		TATU	<a href="#">TATUE 211-TRB-STH</a>	TP-E-211R	023157	E-TTU-TRB-2 11/16
2 3/4		TATU	<a href="#">TATUE 212-TRB-STH</a>	TP-E-212R	023158	E-TTU-TRB-2 3/4
2 15/16		TATU	<a href="#">TATUE 215-TRB-STH</a>	TP-E-215R	023159	E-TTU-TRB-2 15/16
3		TATU	<a href="#">TATUE 300-TRB-STH</a>	TP-E-300R	023160	E-TTU-TRB-3
	70mm	TATU	<a href="#">TATUE 70M-TRB-STH</a>			E-TTU-TRB-70MM
	75mm	TATU	<a href="#">TATUE 75M-TRB-STH</a>			E-TTU-TRB-75MM
3 3/16		TATU	<a href="#">TATUE 303-TRB-STH</a>	TP-E-303R	023161	E-TTU-TRB-3 3/16
3 1/4		TATU	<a href="#">TATUE 304-TRB-STH</a>	TP-E-304R	023162	E-TTU-TRB-3 1/4
3 7/16		TATU	<a href="#">TATUE 307-TRB-STH</a>	TP-E-307R	023163	E-TTU-TRB-3 7/16
3 1/2		TATU	<a href="#">TATUE 308-TRB-STH</a>	TP-E-308R	023164	E-TTU-TRB-3 1/2
	80mm	TATU	<a href="#">TATUE 80M-TRB-STH</a>			E-TTU-TRB-80MM
	85mm	TATU	<a href="#">TATUE 85M-TRB-STH</a>			E-TTU-TRB-85MM
	90mm	TATU	<a href="#">TATUE 90M-TRB-STH</a>			E-TTU-TRB-90MM
3 15/16		TATU	<a href="#">TATUE 315-TRB-STH</a>	TP-E-315R	023165	E-TTU-TRB-3 15/16
4		TATU	<a href="#">TATUE 400-TRB-STH</a>	TP-E-400R	023166	E-TTU-TRB-4
	100mm	TATU	<a href="#">TATUE 100M-TRB-STH</a>			E-TTU-TRB-100MM



## MOUNTED TAPERED ROLLER BEARING PERFORMANCE WARRANTY

In addition to SKF's standard product warranty for the above named products (as applicable, the "Product"), as set forth in SKF's Terms and Conditions of Sale at [https://www.skf.com/binaries/pub198/Images/0901d196806d847c-101-102\_July\_2009\_tcm\_198-310019.pdf] (the "Original Warranty"), SKF warrants that the Product will have at least twice the average useful life of any competitor's like product previously purchased and used by our customer in the same application, provided (a) the SKF Product is used under normal load and operating conditions and in accordance with SKF's installation, use, operation and maintenance instructions and (b) the Product is registered with SKF within 10 days after the original installation date. The duration of this Performance Warranty is five (5) years from the date of sale of the Product to customer (the "Performance Warranty Period").



**\*Warranty valid in US and Canada only.**

### **Remedies:**

In the event the Product fails during the Performance Warranty Period, SKF must be promptly notified of the failure, in writing. Any such notification must (a) be received by SKF no later than ninety (90) days following the failure and (b) include data which reasonably demonstrates the average useful life of the competitor's product over at least a 6 month period. Within a reasonable period after timely notification, SKF will be given an opportunity to inspect the Product and evaluate such data. If, in SKF's sole determination, the submitted information regarding the Product failure and competitor's product useful life data demonstrates that the Product failed within less than double the average useful life of the competitor's product, SKF will, at its option and in its sole discretion, either replace or refund the purchase price for the failed Product. These remedies are the Purchaser's EXCLUSIVE remedies for breach of the foregoing warranty and SKF shall not be liable for any other costs or damages, including but not limited to removal or installation costs or loss due to downtime.

### **Limitations:**

This Performance Warranty shall not apply, and SKF shall have no obligation hereunder, if the Product (i) has not been stored, installed, used, cleaned, lubricated and/or maintained in accordance with applicable SKF or industry standards, instructions and/or recommended guidelines; (ii) has been improperly repaired, or altered; or (iii) has been subjected to misuse, negligence or accident.

### **Limitations of actions:**

Any action for breach of warranty must be commenced within twelve (12) months following the product failure date.

### **Disclaimer:**

EXCEPT AS SET FORTH IN THE ORIGINAL WARRANTY AND IN THIS PERFORMANCE WARRANTY, SKF MAKES NO WARRANTY WHATSOEVER, EXPRESS OR IMPLIED, WITH RESPECT TO QUALITY OR PERFORMANCE, AND ALL OTHER WARRANTIES INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USAGE OF TRADE ARE HEREBY DISCLAIMED. THE REMEDIES STATED HEREIN CONSTITUTE PURCHASER'S AND/OR INITIAL USER'S EXCLUSIVE REMEDIES AND SKF'S ENTIRE LIABILITY FOR ANY BREACH OF THE PERFORMANCE WARRANTY.

### **Returns:**

Product may not be returned without written authorization by SKF.

For more information, contact your sales representative.

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