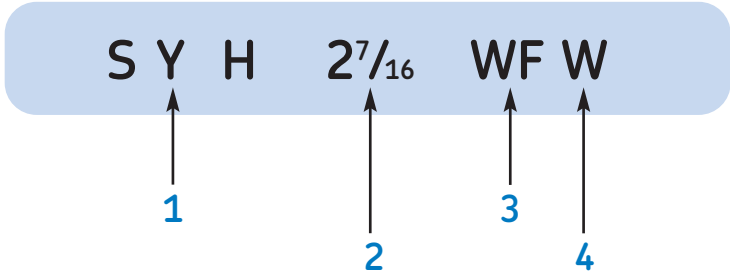




Ball bearing units



1. Housing style:

F	Flange, three-bolt, four-bolt pressed steel
FT	Flange, two-bolt, pressed steel
FY	Flange, four-bolt, cast iron
FYM	Flange, four-bolt, cast iron, medium duty
FYT	Flange, two-bolt, cast iron
FYTM	Flange, two-bolt, cast iron, medium duty
G	Cartridge, rubber mounted, spherical O.D.
R	Cartridge, rubber mounted, cylindrical O.D.
S	Pillow block, pressed steel
SR	Pillow block, pressed steel, rubber insert
SY	Pillow block, cast iron
SYH	Pillow block, cast iron, low center height
SYM	Pillow block, cast iron, medium duty
SYT	Pillow block, low base
TU	Take-up, cast iron
TUM	Take-up, cast iron, medium duty

2. Shaft size:

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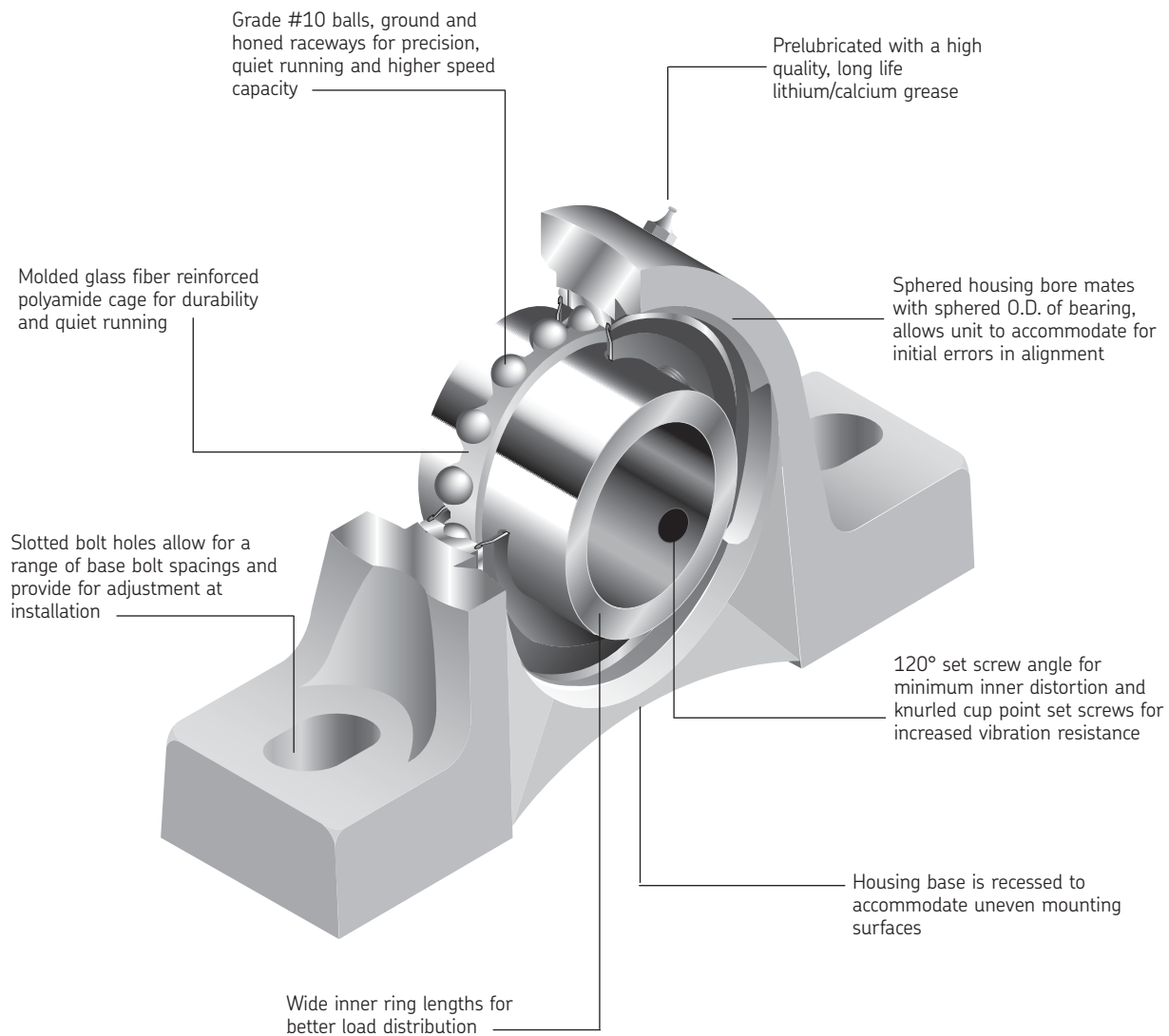
3. Bearing code:

FM	Narrow width, eccentric lock, M-seal, YET series bearing
TF	Wide width, set screw lock, M-seal and flinger, YAR series bearing
WF	Wide width, eccentric lock, M-seal and flinger, YEL series bearing
RM	Narrow width, set screw lock, M-seal, YAT series bearing
TR	Wide width, set screw lock, standard duty, multi-function seal, YAR series bearing
PF	Wide width, ConCentra lock

4. Suffix:

W	Nonrelubricatable housing
U	No locking collar / No set screws
/AH	Air handling unit (see page 282)
/VA228	High-temperature bearings with graphite technology
/VA201	High-temperature bearings with graphite paste

Introduction



Ball bearing units

Inner ring length

The bearings for Ball bearing units are available in wide and narrow width inner ring designs. When space permits, the wide inner ring is the preferred choice. Shaft misalignment relative to the bearing bore is minimized with the wide inner ring and since the load is distributed over a greater shaft area. The narrow inner ring is used when space is limited.

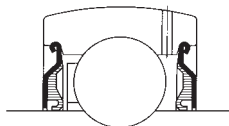
Shaft locking methods

Set screw locking features two set screw 120° apart. This placement of the set screws maximizes holding power while minimizing inner ring distortion. Other factors such as: zone hardening of the bearing inner ring, drilling and tapping after heat treat, proper screw length, a knurled cup point set screw and a forged set screw socket have been incorporated to further enhance holding power and vibration resistance (backout).

Eccentric self-locking features a machined collar and bearing inner ring which act as mating cams when assembled on the shaft. When the collar is engaged on the bearing inner ring, and turned in the direction of shaft rotation, it grips the shaft firmly with a binding action that further increases with rotation. The single set screw in the collar firmly secures the position of the eccentric collar. This locking method is recommended for all applications except where reversing shaft rotation is involved.

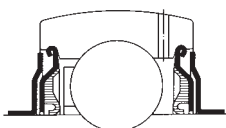
Interference (press) fit is sometimes recommended for eccentric and set screw locking but it is the required mounting method for 1726(00) series bearings. 1726(00) series bearings are designed to be press fit onto the shaft and have no auxiliary locking device.

ConCentra locking features SKF's patented mechanical connector that applies a near 360° concentric grip around the entire circumference of the shaft. Two paired rings with precision engineered serrations on their contact surfaces respond to axial displacement by expanding radially against the shaft. When the mounting screws are tightened the slotted ring grips the shaft firmly at the same time assuring the bearing maintains proper internal clearance conforming to SKF recommendations. An Allen wrench with a built in torque indicator, included with every unit, quickly shows when the proper locking torque (66 in lbf) has been achieved.



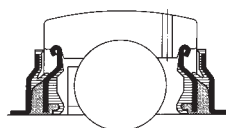
M-seal

The M-seal is standard on FM series housed units and YET series bearings. This low friction, grease purgeable contact seal is made up of a wear resistant elastomer lip bonded to a steel trash guard. The lip rides on the precision ground surface of the inner ring providing positive exclusion of dust, moisture and other contaminants.



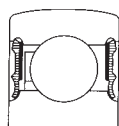
2F seal

The 2F seal is standard on TF and WF series housed units and YAR and YEL series bearings. It consists of the basic M-seal and a flinger mounted outboard. The flinger provides extra protection of the contact element and serves to "fling" dirt and debris away from the seal opening. This seal has tested extremely effective in a variety of contamination conditions including agricultural applications and very dirty environments.



Multi-function seal (2RF)

The Multi-function seal is optional on TF and WF series housed units and YAR and YEL series bearings. It is the most effective seal ever produced for ball bearing units and wide inner ring bearings. It combines the proven sealing of the M-seal with an additional flinger-contact seal assembly. This sealing arrangement provides four separate barriers against the ingress of contamination: a flinger, a contact seal, a grease chamber, and a second contact seal.



2RS1 seal

The 2RS1 seal is standard on 17262(00) and 17263(00) series bearings. This is the same contact seal used on SKF deep groove ball bearings. It is optimized for low friction, wear resistance, and contaminant exclusion.

Seals

Product descriptions

Ball bearing units

Ball bearing units consist of a precision wide inner ring bearing assembled into a housing made of cast iron, pressed steel or rubber. Units are prelubricated and are designed to slip fit on to the shaft. Locking method is either eccentric self-locking or set screw locking.

On cast iron and pressed steel units, the outside diameter of the bearing and the inside diameter of the housing are sphered, allowing the bearing to swivel within the housing to accommodate initial alignment.

There are numerous bearing and housing combinations to accommodate a diversity of mounting surfaces, load requirements, shaft sizes and dimensional requirements. Housing types include: pillow blocks, flange units, take-up units, flange units and rubber cartridges. Bearings include the YAR, YEL and YET series of wide inner ring bearings.



SY & SYH—standard duty, SYM—medium duty cast iron pillow blocks

Pillow block housings, the most popular housing design for mounted bearings, are available in several series. All are designed to support loads primarily directed through the base. The SY series housing has a standard base-to-center height. SYH features a low center height with a base-to-center height typically $\frac{1}{16}$ " lower than the SY series. SYM—medium duty housings accommodate a larger bearing for a given shaft size, resulting in a greater load carrying capacity. All three housings series are supplied with a grease fitting for relubrication, have slotted bolt holes for adjustments during installation and provide for initial bearing alignment. For more detailed information see data tables on page 244.



FY—standard duty, FYM—medium duty four-bolt cast iron flange units

Four-bolt flange units are designed to support shafts through walls, bulkheads and other flat surfaces. The housing mounts flush to the surface and the load is carried by the four mounting bolts. FYM—medium duty housings accommodate a larger bearing for a given shaft size, resulting in a greater load carrying capacity. Both series are supplied with a grease fitting for relubrication and provide for initial bearing alignment. For more detailed information see data tables on page 253.



FYT/FYTM

FYT—standard duty, FYTM—medium duty two-bolt cast iron flange units

These flange units support shafts through walls, bulkheads and other flat surfaces but are of a more compact two-bolt design. FYTM—medium duty housings accommodate a larger bearing for a given shaft size, resulting in a greater load carrying capacity. Both series are supplied with a grease fitting for relubrication and provide for initial bearing alignment. For more detailed information see data tables on page 258.



TU/TUM

TU/TUM—standard duty, TU/TUM—medium duty center pull cast iron take-up units

These take-up units are typically used in conjunction with a customer supplied frame for belt or shaft tensioning in conveyor, elevator and power transmission applications. A wide slot for the frame guide is standard. TU/TUM—medium duty accommodates a larger bearing for a given shaft size, resulting in a greater load carrying capacity. Both series are supplied with a grease fitting for relubrication and provide for initial bearing alignment. For more detailed information see data tables on page 263.



S & SR

S & SR—light duty pressed steel pillow blocks

S and SR housings are lightweight, low cost solutions for light duty applications. Housings are of a heavy gauge two piece stamped steel construction, which allows for initial bearing alignment. The SR series is of the same design as the S series but has a conductive rubber liner for noise and vibration reduction. Housings are zinc oxidized for corrosion resistance and are nonrelubricatable. For more detailed information see data tables on page 267.



F & FT

F & FT—light duty two-bolt and three-bolt pressed steel flange units

F and FT housings are lightweight, low cost solutions for light duty applications. These housings are of a heavy gauge two piece stamped steel construction which allows for initial bearing alignment. Housings are zinc oxidized for corrosion resistance and are nonrelubricatable. The F is a three-bolt design and the FT is a two-bolt design. For more detailed information see data tables on page 269.



G & R

G & R—light duty rubber cartridges

Rubber cartridges are generally used in heating, ventilating and air conditioning applications or other applications where low noise is important. The conductive rubber cartridge, or tire, helps dampen noise and vibration as well as dissipate the build up of static electricity. The G series has a spherical outside diameter and the R series has a cylindrical outside diameter. For more detailed information see data tables on page 271.

Product descriptions

Wide inner ring bearings

SKF wide inner bearings are based on the design of the 62(00) series deep groove ball bearing. They share the same materials, high precision and high quality manufacturing processes. Rings and steel balls are made of SAE 52100 bearing steel. Raceways are hardened, ground, and honed. Steel balls are a high precision grade #10. Cages are a molded, glass fiber reinforced polyamide. The standard seal is a positive contact, land riding M-seal with an integral trash guard. Bearings are prelubricated with an optimum fill of a long life lithium complex grease and are relubricatable. The result is a bearing with high speed capabilities, low noise, superior protection against contamination, strength, durability, and one that is easy to install and maintain.

Bearings only differ in the type of locking method, inner ring length and seal options. Wide inner ring bearings are offered with spherical or cylindrical profiled outer rings. Bearings with a spherical profiled outer ring are typically used with SKF housings. The sphered O.D. of the bearing is matched to the sphered I.D. of the housing allowing the bearing to swivel and accommodate initial alignment. Bearings with cylindrical profiled outer rings are assembled into customer machined housings and are not designed to accommodate initial alignment.



YAR-2F

YAR-2F—standard duty and medium duty wide inner ring, set screw locking, spherical O.D.

YAR wide inner ring bearings are offered in standard duty and medium duty series. The medium duty series uses a larger bearing for a given shaft size, resulting in a greater load carrying capacity. Both series feature an outboard flinger in addition to the standard M-seal. As the inner of the bearing rotates, the flinger “flings” away moisture and large contaminants for additional sealing performance. The wide inner ring offers additional bearing load support and minimizes shaft misalignment associated with narrow inner bearings. Housing units with this bearing have a TF suffix. Options include a non-relubricatable version, a version with a grease groove in the outer ring and SKF’s multi-function seal. YAR standard duty wide inner ring bearings are available in shaft sizes from $\frac{1}{2}$ " to $2\frac{15}{16}$ ". YAR medium duty wide inner ring bearings are available in shaft sizes from $1\frac{7}{16}$ " to 3". For more detailed information see data tables on page 278.



YEL-2F

YEL-2F—standard duty wide inner ring, eccentric locking collar, spherical O.D.

YEL wide inner ring bearings feature an outboard flinger in addition to the standard M-seal. As the inner of the bearing rotates, the flinger “flings” away moisture and large contaminants for additional sealing performance. The wide inner ring offers additional bearing load support and minimizes shaft misalignment associated with narrow inner bearings. Housing units with this bearing have a WF suffix. Options include a non-relubricatable version, a version with a grease groove in the outer ring and SKF’s multi-function seal. YEL wide inner ring bearings are available in shaft sizes from $\frac{3}{4}$ " to $2\frac{7}{16}$ ". For more detailed information see data tables on page 276.



1726

1726 Standard inner ring, press fit, spherical O.D.

1726 series bearings are available in a 62(00) and 63(00) series. Each has the same dimensions and seal as the respective SKF 62(00)-2RS1 and 63(00)-2RS1 series deep groove ball bearing but with a spherical profiled outer ring. These bearings are designed to be press fit onto metric sized shafting and provide higher running accuracy than wide inner ring bearings. The sphered outer ring allows the bearing to align within a housing having a matching spherical surface. These bearings are typically lubricated for life with a long life lithium complex grease. 17262(00)-2RS1 series bearings are available in shaft sizes from 15 to 65 mm 17263(00)-2RS1 series bearings are available in shaft sizes from 25 to 50 mm. For more detailed information see data tables on page 281.



YEL-2FCW

YEL-2FCW—standard duty wide inner ring, eccentric locking collar, cylindrical O.D.

YEL-2FCW wide inner ring bearings have the same dimensions and features as the YEL bearing described above but with a cylindrical profiled outer ring and a flinger (2F). These bearings are not designed to accommodate initial alignment and are lubricated for life with a long life lithium / calcium complex grease. YEL-2FCW wide inner ring bearings are available in shaft sizes from $\frac{3}{4}$ " to $2\frac{7}{16}$ ". For more detailed information see data tables on page 277.



YET

YET—standard duty narrow inner ring, eccentric locking collar, spherical O.D.

YET narrow inner ring bearings feature a positive contact, land riding M-seal with an integral trash guard. This seal is grease purgeable and provides high speed, low friction operation along with positive contaminant exclusion. The narrow inner ring makes the bearing suitable for use in tight operating spaces. Housing units with this bearing have an FM suffix. Options include a non-relubricatable version and a version with a grease groove in the outer ring. YET bearings are available in shaft sizes from $\frac{1}{2}$ " to $2\frac{3}{16}$ ". For more detailed information see data tables on page 275.



YET-CW

YET-CW—standard duty narrow inner ring, eccentric locking collar, cylindrical O.D.

YET-CW narrow inner ring bearings have the same dimensions and features as the YET bearing described previously but with a cylindrical profiled outer ring. These bearings are not designed to accommodate initial alignment and are lubricated for life with a long life lithium/calcium complex grease. YET-CW narrow inner ring bearings are available in shaft sizes from $\frac{1}{2}$ " to $2\frac{3}{16}$ ". For more detailed information see data tables on page 275.



YSP-2F/AH

YSP-2F/AH wide inner ring, ConCentra locking, spherical O.D.

YSP-2F/AH wide inner ring bearings feature an outboard flinger in addition to the land riding M-seal and SKF's revolutionary ConCentra locking system. Utilizing a built-in mechanical connector that applies a nearly 360° concentric grip around the shaft, SKF ConCentra inserts provide superb bearing performance while still allowing for easy mounting and dismounting. Providing true concentric locking, ConCentra locking technology reduces vibration and fretting corrosion increasing service life and reducing the shaft damage common to conventional set screw locking devices when replacement is necessary. YSP-2F/AH series bearings are the standard insert in SKF PF/AH air handling housed units and are available in shaft sizes from 1" to $1\frac{15}{16}$ ".



YAT

YAT—standard duty and medium duty narrow inner ring, set screw locking

YAT narrow inner ring bearings feature a positive contact, and a land riding M-seal with an integral trash guard. This seal is grease purgeable and provides high speed, low friction operation along with positive contaminant exclusion. The narrow inner ring makes the bearing suitable for use in tight operating spaces. Housing units equipped with this bearing have an RM suffix. Options include a nonrelubricatable version, a version with a grease groove in the outer ring as well as an air handling (/AH suffix) unit. YAT bearings are available in shaft sizes from $\frac{1}{2}$ " to $2\frac{15}{16}$ " and are offered with several housing styles. For more detailed information see data tables on page 280.

Bearing selection

Ball bearing units Radial loads – standard series

This table may be used to select series SY and SYH pillow blocks, FY and FYT flanged units, and TU take-up units.

Determine the operating speed and life required. Then select a unit having a bearing radial load rating equal to or greater than the actual radial load.

The loads listed in this table are calculated to give the indicated lives (hours at speed) and are in accordance with ANSI/ABMA standard 9 – load ratings and fatigue life for ball bearings. A life adjustment factor (a_{23}) of 1.0 has been used throughout.

These loads are for horizontally mounted shafts with the radial load directed downward toward the base of the pillow block.

When the load is heavy, $C/P < 6.6$, a press fit must be used. In the table, this is the area shaded in white.

Table 1

Bearing radial load in pounds for given speed and life – standard duty

Nominal shaft diameter		Life	Speed RPM									
mm	in		hrs	50	100	200	500	1 000	1 800	3 000	3 600	5 000
12.70 15.88	1/2 5/8	5,000	872	692	549	405	321	264	223	210	188	
		10,000	692	549	436	321	255	210	177	166	149	
		20,000	549	436	346	255	202	166	140	132	118	
		50,000	405	321	255	188	149	123	103	97	87	
		100,000	321	255	202	149	118	97	82	77	69	
19.05	3/4	5,000	1,160	920	731	538	427	351	296	279	250	
		10,000	920	731	580	427	339	279	235	221	198	
		20,000	731	580	460	339	269	221	187	176	157	
		50,000	538	427	339	250	198	163	137	129	116	
		100,000	427	339	269	198	157	129	109	103	92	
20.64 22.22 23.81 25.40	13/16 7/8 15/16 1	5,000	1,277	1,014	805	593	471	387	326	307	275	
		10,000	1,014	805	639	471	373	307	259	244	218	
		20,000	805	639	507	373	296	244	206	193	173	
		50,000	593	471	373	275	218	180	151	143	128	
		100,000	471	373	296	218	173	143	120	113	101	
26.99 28.58 30.16 31.75	1 1/16 1 1/8 1 3/16 1 1/4	5,000	1,780	1,413	1,121	826	656	539	455	428	384	
		10,000	1,413	1,121	890	656	520	428	361	340	304	
		20,000	1,121	890	706	520	413	340	286	270	242	
		50,000	826	656	520	384	304	250	211	199	178	
		100,000	656	520	413	304	242	199	168	158	141	
31.75 33.34 34.92 36.51	1 1/4 1 5/16 1 3/8 1 7/16	5,000	2,327	1,847	1,466	1,080	857	705	595	559	501	
		10,000	1,847	1,466	1,164	857	681	559	472	444	398	
		20,000	1,466	1,164	924	681	540	444	375	352	316	
		50,000	1,080	857	681	501	398	327	276	260	233	
		100,000	857	681	540	398	316	260	219	206	185	
38.10	1 1/2	5,000	2,802	2,224	1,765	1,301	1,032	849	716	673	604	
		10,000	2,224	1,765	1,401	1,032	819	673	568	535	479	
		20,000	1,765	1,401	1,112	819	650	535	451	424	380	
		50,000	1,301	1,032	819	604	479	394	332	313	280	
		100,000	1,032	819	650	479	380	313	264	248	222	
41.28 42.86 44.45	1 5/8 1 11/16 1 3/4	5,000	3,029	2,404	1,908	1,406	1,116	917	774	728	653	
		10,000	2,404	1,908	1,514	1,116	886	728	614	578	518	
		20,000	1,908	1,514	1,202	886	703	578	487	459	411	
		50,000	1,406	1,116	886	653	518	426	359	338	303	
		100,000	1,116	886	703	518	411	338	285	268	240	
49.21	1 15/16	5,000	3,203	2,542	2,018	1,487	1,180	970	818	770	700	
		10,000	2,542	2,018	1,602	1,180	937	770	649	611	545	
		20,000	2,018	1,602	1,271	937	743	611	515	485	435	
		50,000	1,487	1,180	937	690	548	450	380	357	317	
		100,000	1,180	937	743	548	435	357	301	284	248	
50.80 55.56	2 2 3/16	5,000	3,978	3,157	2,506	1,846	1,465	1,205	1,016	956	866	
		10,000	3,157	2,506	1,989	1,465	1,163	956	806	759	680	
		20,000	2,506	1,989	1,579	1,163	923	759	640	602	535	
		50,000	1,846	1,465	1,163	857	680	559	472	444	398	
		100,000	1,465	1,163	923	680	540	444	374	352	312	
57.15 61.91	2 1/4 2 7/16	5,000	4,825	3,830	3,040	2,240	1,778	1,461	1,233	1,160	1,050	
		10,000	3,830	3,040	2,413	1,778	1,411	1,160	978	921	821	
		20,000	3,040	2,413	1,915	1,411	1,120	921	776	731	653	
		50,000	2,240	1,778	1,411	1,040	825	678	572	538	478	
		100,000	1,778	1,411	1,120	825	655	538	454	427	382	
63.50 68.26	2 1/2 2 11/16	5,000	5,231	4,152	3,295	2,428	1,927	1,584	1,336	1,257	1,143	
		10,000	4,152	3,295	2,615	1,927	1,529	1,257	1,060	998	908	
		20,000	3,295	2,615	2,076	1,529	1,214	998	842	792	712	
		50,000	2,428	1,927	1,529	1,127	894	735	620	584	524	
		100,000	1,927	1,529	1,214	894	710	584	492	463	413	
69.85 74.61	2 3/4 2 15/16	5,000	6,042	4,795	3,806	2,804	2,226	1,830	1,543	1,453	1,333	
		10,000	4,795	3,806	3,021	2,226	1,767	1,452	1,225	1,153	1,053	
		20,000	3,806	3,021	2,398	1,767	1,402	1,153	972	912	822	
		50,000	2,804	2,226	1,767	1,302	1,033	849	716	674	604	
		100,000	2,226	1,767	1,402	1,033	820	674	569	535	475	
87.31	3 7/16	5,000	8,677	6,887	5,466	4,028	3,197	2,628	2,186	2,086	1,946	
		10,000	6,887	5,466	4,339	3,197	2,537	2,086	1,716	1,656	1,516	
		20,000	5,466	4,339	3,444	2,537	2,014	1,656	1,386	1,326	1,226	
		50,000	4,028	3,197	2,537	1,869	1,484	1,226	1,026	966	886	
		100,000	3,197	2,537	2,014	1,484	1,178	966	806	766	686	
100.01 101.60	3 15/16 4	5,000	11,272	8,947	7,101	5,232	4,153	3,414	2,710	2,511	2,311	
		10,000	8,947	7,101	5,636	4,153	3,296	2,616	2,151	2,051	1,851	
		20,000	7,101	5,636	4,473	3,296	2,616	2,151	1,781	1,721	1,581	
		50,000	5,232	4,153	3,296	2,429	1,928	1,581	1,321	1,281	1,181	
		100,000	4,153	3,296	2,616	1,928	1,530	1,258	1,058	1,018	918	

Ball bearing units Radial loads – medium series

This table may be used to select series SYM pillow blocks, FYM and FYTM flanged units, and TUM take-up units.

Determine the operating speed and life required. Then select a unit having a bearing radial load rating equal to or greater than the actual radial load.

The loads listed in this table are calculated to give the indicated lives (hours at speed) and are in accordance with ANSI/ABMA standard 9 – load ratings and fatigue life for ball bearings. A life adjustment factor (a_{23}) of 1.0 has been used throughout.

These loads are for horizontally mounted shafts with the radial load directed downward toward the base of the pillow block.

When the load is heavy, C / P 6.6, a press fit must be used. In the table this is the area shaded in white.

Table 2

Bearing radial load in pounds for given speed and life – medium duty

Nominal shaft diameter		Life hrs	Speed RPM									
mm	in		50	100	200	500	1 000	1 800	3 000	3 600	5 000	
36.51	1 7/16	5,000	2,802	2,224	1,765	1,301	1,032	819	673	535	424	380
		10,000	2,224	1,765	1,401	1,032	819	673	535	424	380	332
		20,000	1,765	1,401	1,112	819	650	535	451	424	380	280
		50,000	1,301	1,032	819	604	479	394	332	313	280	222
		100,000	1,032	819	650	479	380	313	264	248	222	
38.10	1 1/2	5,000	3,029	2,404	1,908	1,406	1,116	886	728	614	578	518
		10,000	2,404	1,908	1,514	1,116	886	728	614	578	518	411
		20,000	1,908	1,514	1,202	886	703	578	487	459	411	303
		50,000	1,406	1,116	886	653	518	426	359	338	303	240
		100,000	1,116	886	703	518	411	338	285	268	240	
42.86	1 11/16	5,000	3,203	2,542	2,018	1,487	1,180	970	818	770	649	611
		10,000	2,542	2,018	1,602	1,180	937	770	649	611	515	485
44.45	1 3/4	20,000	2,018	1,602	1,271	937	743	611	515	485	357	284
		50,000	1,487	1,180	937	690	548	450	380	357	301	284
		100,000	1,180	937	743	548	435	357	301	284		
49.21	1 15/16	5,000	3,978	3,157	2,506	1,846	1,465	1,205	1,016	956	806	759
		10,000	3,157	2,506	1,989	1,465	1,163	956	806	759	602	602
		20,000	2,506	1,989	1,579	1,163	923	759	640	602	444	444
		50,000	1,846	1,465	1,163	857	680	559	472	444	374	352
		100,000	1,465	1,163	923	680	540	444	374	352		
55.56	2 3/16	5,000	4,825	3,830	3,040	2,240	1,778	1,461	1,233	1,160	921	921
		10,000	3,830	3,040	2,413	1,778	1,411	1,160	978	921	731	731
		20,000	3,040	2,413	1,915	1,411	1,120	921	776	731	538	538
		50,000	2,240	1,778	1,411	1,040	825	678	572	538	427	427
		100,000	1,778	1,411	1,120	825	655	538	454	427		
61.91	2 7/16	5,000	5,677	4,506	3,576	2,635	2,091	1,719	1,450	1,365	1,151	1,151
		10,000	4,506	3,576	2,838	2,091	1,660	1,365	1,151	913	913	673
63.50	2 1/2	20,000	3,576	2,838	2,253	1,660	1,317	1,083	913	673	534	534
		50,000	2,635	2,091	1,660	1,223	971	798	673	534		
		100,000	2,091	1,660	1,317	971	770	633	534			
68.26	2 11/16	5,000	6,042	4,795	3,806	2,804	2,226	1,830	1,543	1,225	1,225	972
		10,000	4,795	3,806	3,021	2,226	1,767	1,452	1,225	972	716	716
		20,000	3,806	3,021	2,398	1,767	1,402	1,153	972	716	569	569
		50,000	2,804	2,226	1,767	1,302	1,033	849	716	569		
		100,000	2,226	1,767	1,402	1,033	820	674	569			
74.61	2 15/16	5,000	6,650	5,278	4,189	3,087	2,450	2,014	1,699	1,348	1,348	1,070
		10,000	5,278	4,189	3,325	2,450	1,944	1,598	1,269	1,070	788	788
		20,000	4,189	3,325	2,639	1,944	1,543	1,269	1,070	788	626	626
		50,000	3,087	2,450	1,944	1,433	1,137	935	788	626		
		100,000	2,450	1,944	1,543	1,137	903	742	626			
87.31	3 7/16	5,000	11,272	8,947	7,101	5,232	4,153	3,414	2,710	2,151	2,151	1,585
		10,000	8,947	7,101	5,636	4,153	3,296	2,616	2,151	1,585	1,258	1,258
		20,000	7,101	5,636	4,473	3,296	2,616	2,151	1,585	1,258		
		50,000	5,232	4,153	3,296	2,429	1,928	1,585	1,258			
88.90	3 1/2	100,000	4,153	3,296	2,616	1,928	1,530	1,258				

Bearing selection

Speed ratings

The speed at which ball bearing units can operate depends on the means by which they are located on the shaft and also the type of seal. For bearings of series YAR, YEL, YET, YAT and YSP the speeds are limited by the fit on the shaft; the looser the fit the lower the speed. Recommended maximum values are given in **Table 3**.

Bearings with multi-function seals should not be operated at speeds in excess of 60% of those quoted in the table, particularly when shafts having an h6 tolerance are used.

The speed ratings of bearings of series 17262(00)-2RS1 and 17263(00)-2RS1 are the same as for standard SKF sealed deep groove ball bearings. The ratings for these series are also given in the table.

Table 3

Basic bearing size	Speed ratings for bearings of series: YAR, YEL, YET, YAT, YSP with shaft tolerance					17262(00)	17263(00)
	h6	h7	h8	h9	h11		
	rpm					rpm	
202						13000	12000
203	9500	6000	4300	1500	950	12000	11000
204	8500	5300	3800	1300	850	10000	9500
205	7000	4500	3200	1000	700	8500	7500
206	6300	4000	2800	900	630	7500	6300
207	5300	3400	2200	750	530	6300	6000
208	4800	3000	1900	670	480	5600	5000
209	4300	2600	1700	600	430	5000	4500
210	4000	2400	1600	560	400	4800	4300
211	3600	2000	1400	500	360	4300	3800
212	3400	1900	1300	480	340	4000	3400
213	3000	1700	1100	430	300	3600	3200
214	2800	1600	1000	400	280	3400	3000
215	2600	1500	930	380	260	3200	2800
216	2400	1400	900	360	240	3000	2600

Internal clearance

SKF inch series YAR, YEL, YET, YAT and YSP wide inner ring bearings are produced as standard with internal clearance according to **Table 4**. The radial internal clearance of series 17262(00)-2RS1 and 17263(00)-2RS1 correspond to those for Normal radial internal clearance for deep groove ball bearings and are indicated in **Table 4**.

Table 4

Basic bearing size	Radial internal clearance of bearings of series: YAR, YEL, YET, YAT, YSP			
	17262(00)		17263(00)	
	min	max	min	max
	0.0001 in		0.0001 in	
203	4	10	1	7
204-206	5	11	2	8
207-208	5	13	2	8
209-210	6	14	2	9
211-213	7	17	■	■
214-216	8	20	■	■

Aligning torque

The torque required to align an insert bearing in its housing is a controlled value. Standard aligning torques are shown in **Table 5**. Torques that are too low (due to a loose housing fit) can result in outer ring spinning. Torques that are too high can cause excessive moment loads in the bearing and consequential heat generation as it tries to accommodate misalignment.

Table 5

Alignment torque	Torque (in-lbs)	
	Min	Max
Basic bearing		
YAR, YEL, YET		
203	43	87
204	43	87
205	43	174
206	43	174
207	43	217
208	43	217
209	43	217
210	43	217
211	43	217
212	43	217
213	43	304
214	43	304
215	43	304
216	43	304

Misalignment

Ball bearing units can compensate for up to $\pm 5^\circ$ of static misalignment. However, in the cast iron housings when it is desirable to relubricate the bearings, initial errors in alignment should not exceed $\pm 2^\circ$ for basic bearings size 211 and smaller and $\pm 1.5^\circ$ for larger sizes. Misalignment greater than this will prevent the lubrication holes in the outer ring of the bearing from lining up with the groove in the housing bore and the bearings will not be relubricated.

Grease fill

Generally speaking, wide inner ring bearings are designed to operate without relubrication under normal speed and operating conditions. All wide inner ring bearings are sealed at both sides with rubbing contact seals and are filled with a special long life grease of NLGI consistency 2. The grease has good corrosion inhibiting properties and is suitable for operating temperatures between -4°F and 248°F . However, under extreme conditions or in heavily contaminated environments, it may be necessary to relubricate the bearings. Reference the SKF General Catalog (6000EN) for relubrication intervals.

Cages

All wide inner ring bearings are fitted with an injection molded, heat stabilized, glass fiber reinforced polyamide 6.6 cage. This material has a favorable combination of strength and elasticity and cages of this material have given excellent performance in a wide variety of applications. The friction of these cages is low and they have excellent running properties under adverse conditions. Additionally, the cages promote quiet operation. The operating temperature range for the cage exceeds that of the grease with which the bearings are filled.

Ball bearing units

Pillow block / standard duty

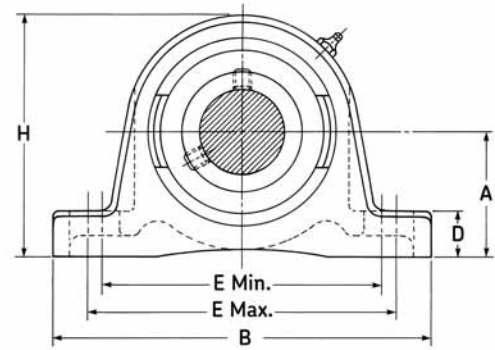
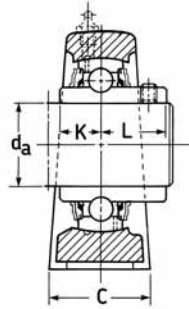
SY-TF
 Cast-iron housing
 Standard center height
 Set screw locking
 Wide inner ring
 M-seal & flingers

Replaces: YAS, NP, P2B-SC, VPS200, P3-U200N

How to order SY 1 TF

Option Specify

Multi-function seal SY 1TR
 Nonrelubricatable SY 1TFW



For bearing information see page 278; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C											Bolts (No. req'd)	Mass lb		
				A	B	C	D	E Min	E Max	H	K	L					
in			lbf	in													
$1/2$	SY $1/2$ TF																1.1
$5/8$	SY $5/8$ TF	YAR 203-008-2F	2150	$1^{3/16}$	5	$1^{1/4}$	$9/16$	$3^{15/32}$	$4^{3/16}$	$2^{7/32}$	$1^{5/32}$	$5/8$	(2)- $3/8$			1.1	
$3/4$	SY $3/4$ TF	YAR 204-012-2F	2860	$1^{5/16}$	5	$1^{1/4}$	$9/16$	$3^{15/32}$	$4^{3/16}$	$2^{33/64}$	$1/2$	$2^{3/32}$	(2)- $3/8$			1.4	
$1^{3/16}$	SY $1^{3/16}$ TF	YAR 205-013-2F														1.8	
$7/8$	SY $7/8$ TF	YAR 205-014-2F														1.8	
$1^{5/16}$	SY $1^{5/16}$ TF	YAR 205-015-2F	3150	$1^{7/16}$	$5^{1/8}$	$1^{13/32}$	$5/8$	$3^{11/16}$	$4^{11/32}$	$2^{3/4}$	$9/16$	$2^{5/32}$	(2)- $3/8$			1.7	
1	SY 1 TF	YAR 205-100-2F														1.7	
$1^{1/16}$	SY 1 $1/16$ TF	YAR 206-101-2F														3.0	
$1^{1/8}$	SY 1 $1/8$ TF	YAR 206-102-2F														2.5	
$1^{3/16}$	SY 1 $3/16$ TF	YAR 206-103-2F	4390	$1^{11/16}$	6	$1^{9/16}$	$2^{1/32}$	$4^{1/4}$	5	$3^{7/32}$	$5/8$	$7/8$	(2)- $1/2$			2.5	
$1^{1/4}$	SY 1 $1/4$ ATF	YAR 206-104-2F														2.8	
$1^{1/4}$	SY 1 $1/4$ TF	YAR 207-104-2F														3.6	
$1^{5/16}$	SY 1 $5/16$ TF	YAR 207-105-2F														3.7	
$1^{3/8}$	SY 1 $3/8$ TF	YAR 207-106-2F	5740	$1^{7/8}$	$6^{5/16}$	$1^{25/32}$	$3/4$	$4^{11/16}$	$5^{1/4}$	$3^{21/32}$	$1^{1/16}$	1	(2)- $1/2$			3.6	
$1^{7/16}$	SY 1 $7/16$ TF	YAR 207-107-2F														3.5	
$1^{1/2}$	SY 1 $1/2$ TF	YAR 208-108-2F														4.2	
$1^{9/16}$	SY 1 $9/16$ TF	YAR 208-109-2F	6910	$1^{15/16}$	$6^{29/32}$	$1^{29/32}$	$3/4$	$4^{15/16}$	$5^{3/4}$	$3^{29/32}$	$3/4$	$1^{3/16}$	(2)- $1/2$			4.3	
$1^{5/8}$	SY 1 $5/8$ TF	YAR 209-110-2F														5.4	
$1^{11/16}$	SY 1 $11/16$ TF	YAR 209-111-2F	7470	$2^{1/8}$	$7^{3/8}$	$1^{29/32}$	$1^{3/16}$	$5^{5/16}$	6	$4^{7/32}$	$3/4$	$1^{3/16}$	(2)- $1/2$			5.2	
$1^{3/4}$	SY 1 $3/4$ TF	YAR 209-112-2F														5.1	
$1^{15/16}$	SY 1 $15/16$ TF	YAR 210-115-2F	7900	$2^{1/4}$	8	$2^{1/8}$	$7/8$	$5^{7/8}$	$6^{1/2}$	$4^{1/2}$	$3/4$	$1^{9/32}$	(2)- $5/8$			6.4	
2	SY 2 TF	YAR 211-200-2F														8.4	
$2^{3/16}$	SY 2 $3/16$ TF	YAR 211-203-2F	9810	$2^{1/2}$	$8^{5/8}$	$2^{3/8}$	$1^{5/16}$	$6^{3/8}$	$7^{1/8}$	5	$7/8$	$1^{5/16}$	(2)- $5/8$			7.9	
$2^{1/4}$	SY 2 $1/4$ TF	YAR 212-204-2F														10.6	
$2^{7/16}$	SY 2 $7/16$ TF	YAR 212-207-2F	11900	$2^{3/4}$	$9^{15/32}$	$2^{3/8}$	1	$7^{1/16}$	$7^{15/16}$	$5^{1/2}$	1	$1^{9/16}$	(2)- $5/8$			10.0	
$2^{1/2}$	SY 2 $1/2$ TF	YAR 213-208-2F														13.3	
$2^{11/16}$	SY 2 $11/16$ TF	YAR 213-211-2F	12900	3	$10^{1/8}$	$2^{9/16}$	$1^{5/32}$	$7^{15/32}$	$8^{1/2}$	$5^{7/8}$	1	$1^{11/16}$	(2)- $3/4$			13.3	
$2^{3/4}$	SY 2 $3/4$ TF	YAR 215-212-2F														17.6	
$2^{15/16}$	SY 2 $15/16$ TF	YAR 215-215-2F	14900	$3^{1/4}$	11	$2^{27/32}$	$1^{9/32}$	8	9	$6^{17/32}$	$1^{1/16}$	$1^{13/16}$	(2)- $3/4$			16.6	

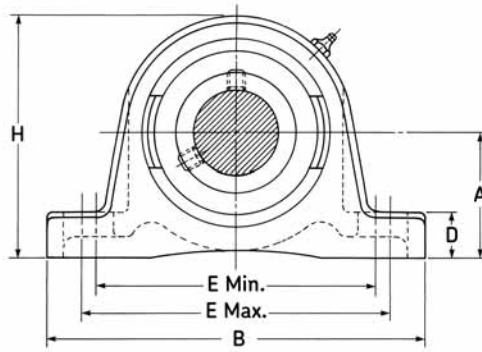
Consult SKF USA Inc. prior to design change or order placement.

Pillow block / standard duty

SY-RM

- Cast-iron housing
- Standard center height
- Set screw locking
- Narrow inner ring
- M-seal

Replaces: SAS, VPS 100, P2B-VSC, P3-S200E



For bearing information see page 278; for seal speed limits see page 242.

Shaft dia.	Pillow block designation	Bearing designation	Bearing load rating dynamic C										Bolts (No. req'd)	Mass lbs
				A	B	C	D	Emin	Emax	H	K	L		
in			lbf	in	in	in	in	in	in	in	in	in		
1/2	SY 1/2 RM	YAT 203-008	2150	1 3/16	5	1 1/4	9/16	3 15/32	4 11/64	2 7/32	1/4	5/8	(2)-3/8	1.3
5/8	SY 5/8 RM	YAT 203-010												1.1
3/4	SY 3/4 RM	YAT 204-012	2860	1 5/16	5	1 1/4	9/16	3 15/32	4 3/16	2 33/64	9/32	2 3/32	(2)-3/8	1.3
7/8	SY 7/8 RM	YAT 205-014	3150	1 7/16	5 1/8	1 13/32	5/8	3 11/16	4 11/32	2 3/4	5/16	2 5/32	(2)-3/8	1.6
1 5/16	SY 1 5/16 RM	YAT 205-015												1.7
1	SY 1 RM	YAT 205-100												1.6
1 1/8	SY 1 1/8 RM	YAT 206-102	4390	1 11/16	6	1 9/16	2 1/32	4 1/4	5	3 7/32	2 3/64	7/8	(2)-1/2	2.4
1 3/16	SY 1 3/16 RM	YAT 206-103												2.4
1 1/4	SY 1 1/4 ARM	YAT 206-104												2.3
1 1/4	SY 1 1/4 RM	YAT 207-104	5740	1 7/8	6 5/16	1 25/32	3/4	4 11/16	5 1/4	3 21/32	3/8	1	(2)-1/2	3.4
1 3/8	SY 1 3/8 RM	YAT 207-106												3.3
1 7/16	SY 1 7/16 RM	YAT 207-107												3.2
1 1/2	SY 1 1/2 RM	YAT 208-108	6910	1 15/16	6 29/32	1 29/32	3/4	4 15/16	5 3/4	3 29/32	2 9/64	1 1/8	(2)-1/2	4.0
1 11/16	SY 1 11/16 RM	YAT 209-111	7470	2 1/8	7 3/8	1 29/32	1 3/16	5 5/16	6	4 7/32	7/16	1 7/32	(2)-1/2	4.9
1 3/4	SY 1 3/4 RM	YAT 209-112												5.0
1 15/16	SY 1 15/16 RM	YAT 210-115	7900	2 1/4	8	2 1/8	7/8	5 7/8	6 1/2	4 1/2	7/16	1 17/64	(2)-5/8	5.9
2	SY 2 RM	YAT 211-200	9810	2 1/2	8 5/8	2 3/8	1 5/16	6 3/8	7 1/8	5	1/2	1 9/32	(2)-5/8	8.3
2 3/16	SY 2 3/16 RM	YAT 211-203												7.7
2 1/4	SY 2 1/4 RM	YAT 212-204	11900	2 3/4	9 15/32	2 3/8	2 3/4	7 1/16	7 15/16	5 1/2	1 7/32	1 3/8	(2)-5/8	10.4
2 7/16	SY 2 7/16 RM	YAT 212-207												9.6
2 15/16	SY 2 15/16 RM	YAT 215-215	14900	3 1/4	11	2 27/32	1 9/32	8	9	6 17/32	3 7/64	1 17/32	(2)-3/4	16.0

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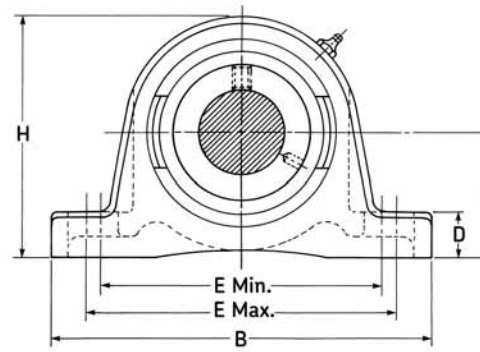
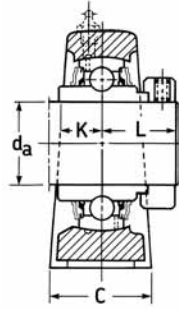
Ball bearing units

Pillow block / standard duty

SY-WF

Cast-iron housing
Standard center height
Eccentric locking
Wide inner ring
M-seal & flingers

Replaces: RAS, VPE 200, P2B-SXR, P3-Y200N



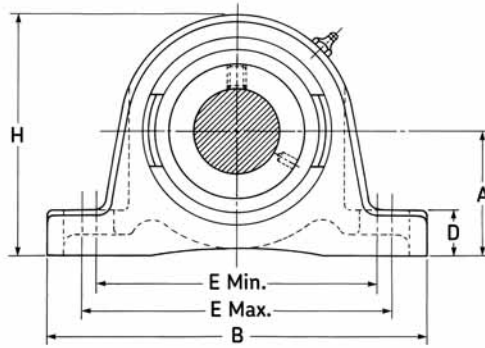
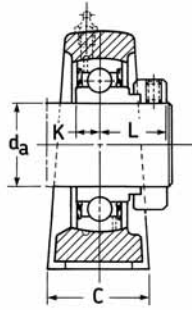
How to order	SY 1 WF
Option	Specify
Multi-function seal	SY 1 WR
Nonrelubricatable	SY 1 WFW

For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E Min	E Max	H	K	L		
in			lbf	in										lb
$3/4$	SY $3/4$ WF	YEL 204-012-2F	2860	$1^{5/16}$	5	$1^{1/4}$	$9/16$	$3^{15/32}$	$4^{3/16}$	$2^{33/64}$	$4^{3/64}$	$1^{1/32}$	(2)- $3/8$	1.5
$1^{3/16}$	SY $1^{3/16}$ WF	YEL 205-013-2F	3150	$1^{7/16}$	$5^{1/8}$	$1^{13/32}$	$5/8$	$3^{11/16}$	$4^{11/32}$	$2^{3/4}$	$1^{1/16}$	$1^{1/16}$	(2)- $3/8$	1.9
$7/8$	SY $7/8$ WF	YEL 205-014-2F												1.9
$1^{5/16}$	SY $1^{5/16}$ WF	YEL 205-015-2F												1.9
1	SY 1 WF	YEL 205-100-2F												1.8
$1^{1/16}$	SY $1^{1/16}$ WF	YEL 206-101-2F	4390	$1^{11/16}$	6	$1^{9/16}$	$2^{1/32}$	$4^{1/4}$	5	$3^{7/32}$	$2^{3/32}$	$1^{3/16}$	(2)- $1/2$	3.2
$1^{1/8}$	SY $1^{1/8}$ WF	YEL 206-102-2F												3.1
$1^{3/16}$	SY $1^{3/16}$ WF	YEL 206-103-2F												3.0
$1^{1/4}$	SY $1^{1/4}$ WF	YEL 207-104-2F	5740	$1^{7/8}$	$6^{5/16}$	$1^{25/32}$	$3/4$	$4^{11/16}$	$5^{1/4}$	$3^{21/32}$	$4^{7/64}$	$1^{9/32}$	(2)- $1/2$	3.9
$1^{5/16}$	SY $1^{5/16}$ WF	YEL 207-105-2F												3.9
$1^{3/8}$	SY $1^{3/8}$ WF	YEL 207-106-2F												3.9
$1^{7/16}$	SY $1^{7/16}$ WF	YEL 207-107-2F												3.8
$1^{1/2}$	SY $1^{1/2}$ WF	YEL 208-108-2F	6910	$1^{15/16}$	$6^{29/32}$	$1^{29/32}$	$3/4$	$4^{15/16}$	$5^{3/4}$	$3^{29/32}$	$2^{7/32}$	$1^{3/8}$	(2)- $1/2$	4.7
$1^{5/8}$	SY $1^{5/8}$ WF	YEL 209-110-2F	7470	$2^{1/8}$	$7^{3/8}$	$1^{29/32}$	$1^{3/16}$	$5^{5/16}$	6	$4^{7/32}$	$2^{7/32}$	$2^{7/32}$	(2)- $1/2$	5.7
$1^{11/16}$	SY $1^{11/16}$ WF	YEL 209-111-2F												5.6
$1^{3/4}$	SY $1^{3/4}$ WF	YEL 209-112-2F												5.7
$1^{15/16}$	SY $1^{15/16}$ WF	YEL 210-115-2F	7900	$2^{1/4}$	8	$2^{1/8}$	$7/8$	$5^{7/8}$	$6^{1/2}$	$4^{1/2}$	$3^{1/32}$	$1^{1/2}$	(2)- $5/8$	6.9
2	SY 2 WF	YEL 211-200-2F	9810	$2^{1/2}$	$9^{5/8}$	$2^{3/8}$	$1^{5/16}$	$6^{3/8}$	$7^{1/8}$	5	$1^{3/32}$	$1^{23/32}$	(2)- $5/8$	9.2
$2^{3/16}$	SY $2^{3/16}$ WF	YEL 211-203-2F												9.4
$2^{1/4}$	SY $2^{1/4}$ WF	YEL 212-204-2F	11900	$2^{3/4}$	$9^{15/16}$	$2^{1/2}$	1	$7^{1/16}$	$7^{15/16}$	$5^{1/2}$	$1^{7/32}$	$1^{27/32}$	(2)- $5/8$	12.0
$2^{7/16}$	SY $2^{7/16}$ WF	YEL 212-207-2F												11.8
$2^{15/16}$	SY $2^{15/16}$ WF	YEL 215-215-2F	14900	$3^{1/4}$	11	$2^{27/32}$	$1^{9/32}$	8	9	$6^{17/32}$	$1^{15/32}$	$2^{5/32}$	(2)- $3/4$	17.2

Consult SKF USA Inc. prior to design change or order placement.

Pillow block / standard duty



SY-FM

- Cast-iron housing
- Standard center height
- Eccentric locking
- Narrow inner ring
- M-seal

Replaces: VAS, VPE100, P2B-SXV, P3-W200U

How to order	SY 1 FM
Option	Specify
Nonrelubricatable	SY 1 FMW

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E Min	E Max	H	K	L		
in			lbf	in										lb
1/2 5/8	SY 1/2 FM	YET 203-008	2150	1 ³ / ₁₆	5	1 ¹ / ₄	9/16	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ⁷ / ₃₂	1/4	7/8	(2)- ³ / ₈	1.4
	SY 5/8 FM	YET 203-010												1.2
3/4	SY 3/4 FM	YET 204-012	2860	1 ⁵ / ₁₆	5	1 ¹ / ₄	9/16	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ³³ / ₆₄	1 ⁹ / ₆₄	1 ⁵ / ₁₆	(2)- ³ / ₈	1.4
13/16 7/8 15/16 1	SY 13/16 FM	YET 205-013	3150	1 ⁷ / ₁₆	5 ¹ / ₈	1 ¹³ / ₃₂	5/8	3 ¹¹ / ₁₆	4 ¹¹ / ₃₂	2 ³ / ₄	1 ⁹ / ₆₄	1 ⁵ / ₁₆	(2)- ³ / ₈	2.5
	SY 7/8 FM	YET 205-014												1.8
	SY 15/16 FM	YET 205-015												1.7
	SY 1 FM	YET 205-100												1.7
1 ¹ / ₁₆ 1 ¹ / ₈ 1 ³ / ₁₆ 1 ¹ / ₄	SY 1 ¹ / ₁₆ FM	YET 206-101	4390	1 ¹¹ / ₁₆	6	1 ⁹ / ₁₆	2 ¹ / ₃₂	4 ¹ / ₄	5	3 ⁷ / ₃₂	2 ³ / ₆₄	1 ¹ / ₃₂	(2)- ¹ / ₂	2.4
	SY 1 ¹ / ₈ FM	YET 206-102												2.5
	SY 1 ³ / ₁₆ FM	YET 206-103												2.5
	SY 1 ¹ / ₄ AFM	YET 206-104												2.4
1 ¹ / ₄ 1 ⁵ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	SY 1 ¹ / ₄ FM	YET 207-104	5740	1 ⁷ / ₈	6 ⁵ / ₁₆	1 ²⁵ / ₃₂	3/4	4 ¹¹ / ₁₆	5 ¹ / ₄	3 ²¹ / ₃₂	3/8	1 ⁵ / ₃₂	(2)- ¹ / ₂	3.5
	SY 1 ⁵ / ₁₆ FM	YET 207-105												3.5
	SY 1 ³ / ₈ FM	YET 207-106												3.5
	SY 1 ⁷ / ₁₆ FM	YET 207-107												3.6
1 ¹ / ₂	SY 1 ¹ / ₂ FM	YET 208-108	6910	1 ¹⁵ / ₁₆	6 ²⁹ / ₃₂	1 ²⁹ / ₃₂	3/4	4 ¹⁵ / ₁₆	5 ³ / ₄	3 ²⁹ / ₃₂	7/16	1 ¹⁹ / ₆₄	(2)- ¹ / ₂	4.5
1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	SY 1 ⁵ / ₈ FM	YET 209-110	7470	2 ¹ / ₈	7 ³ / ₈	1 ²⁹ / ₃₂	1 ³ / ₁₆	5 ⁵ / ₁₆	6	4 ⁷ / ₃₂	7/16	1 ¹⁹ / ₆₄	(2)- ¹ / ₂	5.3
	SY 1 ¹¹ / ₁₆ FM	YET 209-111												5.3
	SY 1 ³ / ₄ FM	YET 209-112												5.1
1 ¹⁵ / ₁₆	SY 1 ¹⁵ / ₁₆ FM	YET 210-115	7900	2 ¹ / ₄	8	2 ¹ / ₈	7/8	5 ⁷ / ₈	6 ¹ / ₂	4 ¹ / ₂	7/16	1 ¹⁹ / ₆₄	(2)- ⁵ / ₈	6.4
2 2 ³ / ₁₆	SY 2 FM	YET 211-200	9810	2 ¹ / ₂	8 ⁵ / ₈	2 ³ / ₈	1 ⁵ / ₁₆	6 ³ / ₈	7 ¹ / ₈	5	1 ⁵ / ₃₂	1 ⁷ / ₁₆	(2)- ⁵ / ₈	8.4
	SY 2 ³ / ₁₆ FM	YET 211-203												8.0
2 ⁷ / ₁₆	SY 2 ⁷ / ₁₆ FM	YET 212-207	11847	2 ³ / ₄	9 ¹⁵ / ₃₂	2 ³ / ₈	1	1 ⁷ / ₁₆	7 ¹⁵ / ₁₆	5 ¹ / ₂	1 ⁷ / ₃₂	1 ⁹ / ₁₆	(2)- ⁵ / ₈	11.3

Consult SKF USA Inc. prior to design change or order placement.

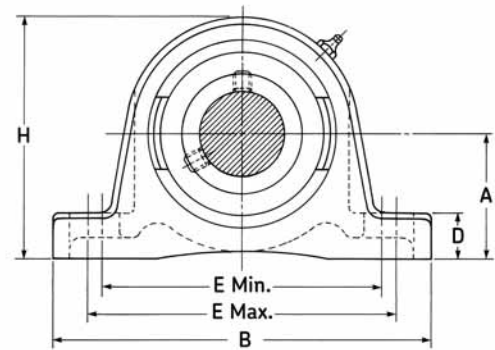
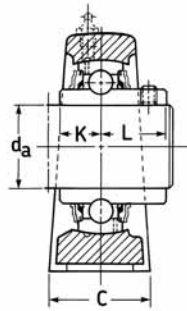
Ball bearing units

Pillow block / medium duty

SYM-TF

Cast-iron housing
Set screw locking
Wide inner ring
M-seal & flingers

Replaces: MP, VPS300, P2B-SCM, C-35



How to order	SYM 1^{7/16} TF
Option	Specify
Multi-function seal	SYM 1 ^{7/16} TR
Nonrelubricatable	SYM 1 ^{7/16} TFW

For bearing information see page 279; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E Min	E Max	H	K	L		
in			lbf	in										
1	SYM 1 TF	YAR 206-100-2F	4738	1 ^{11/16}	6	1 ^{9/16}	2 ^{1/32}	4 ^{1/4}	5	3 ^{7/32}	5/8	7/8	(2)- ^{1/2}	2.5
1 ^{3/16}	SYM 1^{3/16} TF	YAR 207-103-2F	5737	1 ^{7/8}	6 ^{5/16}	1 ^{25/32}	3/4	4 ^{11/16}	5 ^{1/4}	3 ^{21/32}	1 ^{1/16}	1	(2)- ^{1/2}	3.4
1 ^{7/16}	SYM 1^{7/16} TF	YAR 208-107-2F	6910	2 ^{1/8}	7 ^{3/8}	1 ^{3/4}	1 ^{3/16}	5 ^{5/16}	6	4 ^{7/32}	3/4	1 ^{3/16}	(2)- ^{1/2}	5.3
1 ^{1/2}	SYM 1^{1/2} TF	YAR 209-108-2F	7470	2 ^{1/8}	7 ^{3/8}	1 ^{29/32}	1 ^{3/16}	5 ^{5/16}	6	4 ^{7/32}	3/4	1 ^{3/16}	(2)- ^{1/2}	5.7
1 ^{11/16} 1 ^{3/4}	SYM 1^{11/16} TF SYM 1^{3/4} TF	YAR 210-111-2F YAR 210-112-2F	7900	2 ^{1/4}	8	2 ^{1/8}	7/8	5 ^{7/8}	6 ^{1/2}	4 ^{1/2}	3/4	1 ^{9/32}	(2)- ^{5/8}	7.0 6.7
1 ^{15/16}	SYM 1^{15/16} TF	YAR 211-115-2F	9810	2 ^{1/2}	8 ^{5/8}	2 ^{3/8}	1 ^{5/16}	6 ^{3/8}	7 ^{1/8}	5	7/8	1 ^{5/16}	(2)- ^{5/8}	8.8
2 ^{3/16}	SYM 2^{3/16} TF	YAR 212-203-2F	11900	2 ^{3/4}	9 ^{15/32}	2 ^{3/8}	1	7 ^{1/16}	7 ^{15/16}	5 ^{1/2}	1	1 ^{9/16}	(2)- ^{5/8}	11.7
2 ^{3/16}	SYMH 2^{3/16} TF	YAR 212-203-2F	11900	2 ^{11/16}	9 ^{15/32}	2 ^{3/8}	1	7 ^{1/16}	7 ^{15/16}	5 ^{7/16}	1	1 ^{9/16}	(2)- ^{5/8}	10.7
2 ^{7/16} 2 ^{1/2}	SYM 2^{7/16} TF SYM 2^{1/2} TF	YAR 214-207-2F YAR 214-208-2F	14000	3	10 ^{15/64}	2 ^{9/16}	1 ^{17/32}	7 ^{1/2}	8 ^{1/2}	6 ^{1/32}	1 ^{3/16}	1 ^{9/16}	(2)- ^{3/4}	15.7 15.4
2 ^{11/16}	SYM 2^{11/16} TF	YAR 215-211-2F	14900	3 ^{1/2}	12	3	1 ^{55/64}	8 ^{1/2}	9 ^{1/2}	6 ^{17/32}	1 ^{1/16}	1 ^{13/16}	(2)- ^{3/4}	23.8
2 ^{15/16} 3	SYM 2^{15/16} TF SYM 3 TF	YAR 216-215-2F YAR 216-300-2F	16400	3 ^{1/2}	12	3 ^{1/16}	1 ^{7/8}	8 ^{1/2}	9 ^{1/2}	6 ^{31/32}	1 ^{3/16}	1 ^{7/8}	(2)- ^{3/4}	22.8 22.4

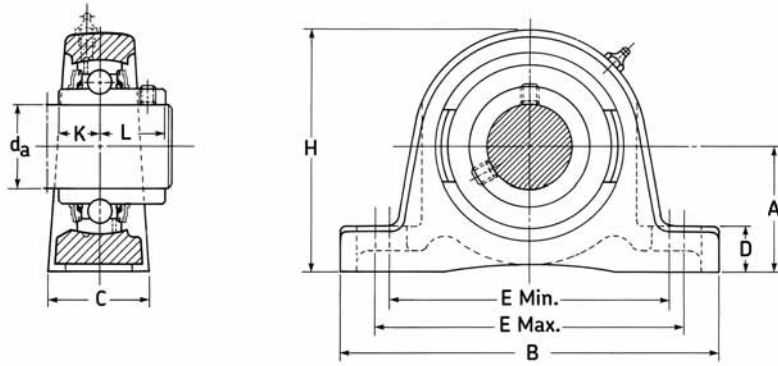
Consult SKF USA Inc. prior to design change or order placement.

Pillow block / standard duty

SYH-TF

- Cast-iron housing
- Low center height
- Set screw locking
- Wide inner ring
- M-seal & flingers

Replaces: YAK, NPL, VPLS200, P2B-SCB, PL3-U200N



How to order	SYH 1 TF
Option	Specify
Multi-function seal	SYH 1 TR
Nonrelubricatable	SYH 1 TFW

For bearing information see page 278; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E Min.	E Max.	H	K	L		
in			lbf	in										lb
1/2	SYH 1/2 TF	YAR 203-008-2F	2150	1 ³ / ₁₆	5	1 ¹ / ₄	9 ⁹ / ₁₆	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ³ / ₃₂	1 ⁵ / ₃₂	5 ⁵ / ₈	(2)- ³ / ₈	1.3
5/8	SYH 5/8 TF	YAR 203-010-2F												1.3
3/4	SYH 3/4 TF	YAR 204-012-2F	2860	1 ¹ / ₄	5	1 ¹ / ₄	1/2	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ¹⁵ / ₃₂	1/2	2 ³ / ₃₂	(2)- ³ / ₈	1.5
13/16	SYH 13/16 TF	YAR 205-013-2F	3150	1 ⁵ / ₁₆	5 ¹ / ₈	1 ¹³ / ₃₂	1/2	3 ¹¹ / ₁₆	4 ¹¹ / ₃₂	2 ⁵ / ₈	9 ⁹ / ₁₆	2 ⁵ / ₃₂	(2)- ³ / ₈	1.8
7/8	SYH 7/8 TF	YAR 205-014-2F												1.8
15/16	SYH 15/16 TF	YAR 205-015-2F												1.7
1	SYH 1 TF	YAR 205-100-2F												1.7
1 ¹ / ₁₆	SYH 1 ¹ / ₁₆ TF	YAR 206-101-2F	4390	1 ⁹ / ₁₆	6	1 ⁹ / ₁₆	3 ⁷ / ₆₄	4 ¹ / ₄	5	3 ⁹ / ₆₄	5 ⁵ / ₈	7 ⁷ / ₈	(2)-1/2	3.0
1 ¹ / ₈	SYH 1 ¹ / ₈ TF	YAR 206-102-2F												2.9
1 ³ / ₁₆	SYH 1 ³ / ₁₆ TF	YAR 206-103-2F												2.9
1 ¹ / ₄	SYH 1 ¹ / ₄ ATF	YAR 206-104-2F												2.8
1 ¹ / ₄	SYH 1 ¹ / ₄ TF	YAR 207-104-2F	5740	1 ¹³ / ₁₆	6 ⁵ / ₁₆	1 ²⁵ / ₃₂	1 ¹¹ / ₁₆	4 ¹¹ / ₁₆	5 ¹ / ₄	3 ¹⁹ / ₃₂	1 ¹¹ / ₁₆	1	(2)-1/2	3.6
1 ⁵ / ₁₆	SYH 1 ⁵ / ₁₆ TF	YAR 207-105-2F												3.5
1 ³ / ₈	SYH 1 ³ / ₈ TF	YAR 207-106-2F												3.5
1 ⁷ / ₁₆	SYH 1 ⁷ / ₁₆ TF	YAR 207-107-2F												3.4
1 ⁵ / ₈	SYH 1 ⁵ / ₈ TF	YAR 209-110-2F	7470	2 ¹ / ₁₆	7 ³ / ₈	1 ²⁹ / ₃₂	1 ¹³ / ₁₆	5 ⁵ / ₁₆	6	4 ⁵ / ₃₂	3 ³ / ₄	1 ¹³ / ₁₆	(2)-1/2	5.4
1 ¹¹ / ₁₆	SYH 1 ¹¹ / ₁₆ TF	YAR 209-111-2F												5.3
1 ³ / ₄	SYH 1 ³ / ₄ TF	YAR 209-112-2F												5.2
1 ¹⁵ / ₁₆	SYH 1 ¹⁵ / ₁₆ TF	YAR 210-115-2F	7900	2 ³ / ₁₆	8	2 ¹ / ₈	2 ⁷ / ₃₂	5 ⁷ / ₈	6 ¹ / ₂	4 ¹⁵ / ₃₂	3 ³ / ₄	1 ⁹ / ₃₂	(2)-5/8	6.3
2	SYH 2 TF	YAR 211-200-2F	9810	2 ⁷ / ₁₆	8 ⁵ / ₈	2 ³ / ₈	2 ⁹ / ₃₂	6 ³ / ₈	7 ¹ / ₈	5	7 ⁷ / ₈	1 ⁵ / ₁₆	(2)-5/8	8.5
2 ³ / ₁₆	SYH 2 ³ / ₁₆ TF	YAR 211-203-2F												8.0
2 ¹ / ₄	SYH 2 ¹ / ₄ TF	YAR 212-204-2F	11900	2 ¹¹ / ₁₆	9 ¹⁵ / ₃₂	2 ³ / ₈	1	7 ¹ / ₁₆	7 ¹⁵ / ₁₆	5 ⁷ / ₁₆	1	1 ⁹ / ₁₆	(2)-5/8	10.1
2 ⁷ / ₁₆	SYH 2 ⁷ / ₁₆ TF	YAR 212-207-2F												9.5
2 ³ / ₄	SYH 2 ³ / ₄ TF	YAR 215-212-2F	14915	3 ⁵ / ₁₆	11	2 ²⁷ / ₃₂	1 ⁵ / ₁₆	8	9	6 ⁹ / ₁₆	1 ¹ / ₁₆	1 ¹³ / ₁₆	(2)-3/4	16.0
2 ¹⁵ / ₁₆	SYH 2 ¹⁵ / ₁₆ TF	YAR 215-215-2F												

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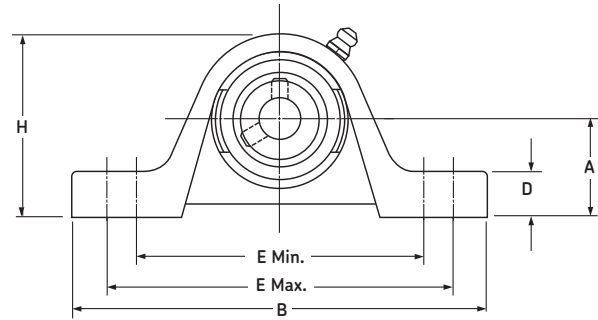
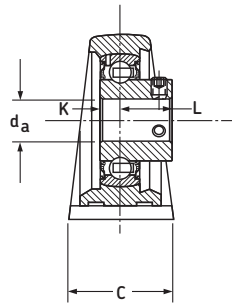
Ball bearing units

Pillow block / standard duty

SYH - RM

Cast-iron housing
Low center height
Set screw locking
Narrow inner ring
M-seal

Replaces: SAK, VPL, VPLS200,
P2B-VSCB, PL3-S200E

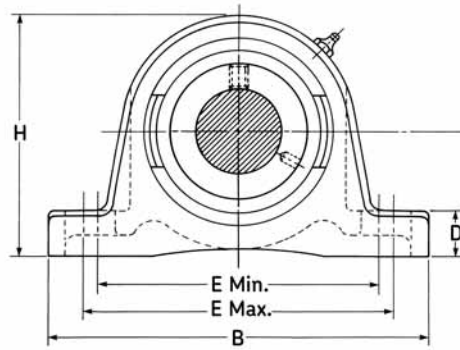
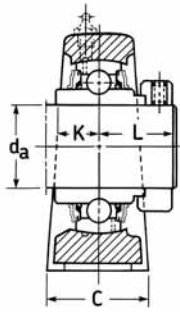


For bearing information see page 276; for seal speed limits see page 242.

Shaft dia.	Pillow block designation	Bearing designation	Bearing load rating dynamic										Bolts (No. req'd)	Mass (lb)
				C	A	B	C	D	E Min.	E Max.	H	K			L
in			lbf	in										lb
1/2	SYH 1/2 RM	YAT 203-008	2150	1 3/16	5	1 1/4	9/16	3 15/32	4 3/16	2 3/32	1/4	5/8	(2)-3/8	1.3
5/8	SYH 5/8 RM	YAT 203-010												1.1
3/4	SYH 3/4 RM	YAT 204-012	2860	1 1/4	5	1 1/4	1/2	3 15/32	4 3/16	2 15/32	9/32	23/32	(2)-3/8	1.3
7/8	SYH 7/8 RM	YAT 205-014	3150	1 5/16	5 1/8	1 13/32	1/2	3 11/16	4 11/32	2 5/8	5/16	25/32	(2)-3/8	1.8
15/16	SYH 15/16 RM	YAT 205-015												1.5
1	SYH 1 RM	YAT 205-100												1.6
1 1/8	SYH 1 1/8 RM	YAT 206-102	4390	1 9/16	6	1 9/16	37/64	4 1/4	5	3 9/64	23/64	7/8	(2)-1/2	2.4
1 3/16	SYH 1 3/16 RM	YAT 206-103												2.3
1 1/4	SYH 1 1/4 ARM	YAT 206-104												3.5
1 1/4	SYH 1 1/4 RM	YAT 207-104	5740	1 13/16	6 5/16	1 25/32	11/16	4 11/16	5 1/4	3 19/32	3/8	1	(2)-1/2	3.5
1 3/8	SYH 1 3/8 RM	YAT 207-106												3.3
1 7/16	SYH 1 7/16 RM	YAT 207-107												3.2
1 5/8	SYH 1 5/8 RM	YAT 209-110	7470	2 1/16	7 3/8	1 29/32	13/16	5 5/16	6	4 5/32	7/16	1 7/32	(2)-1/2	4.9
1 11/16	SYH 1 11/16 RM	YAT 209-111												4.9
1 3/4	SYH 1 3/4 RM	YAT 209-112												5.0
1 15/16	SYH 1 15/16 RM	YAT 210-115	7900	2 3/16	8	2 1/8	27/32	5 7/8	6 1/2	4 15/32	7/16	1 17/64	(2)-5/8	6.1
2	SYH 2 RM	YAT 211-200	9810	2 7/16	8 5/8	2 3/8	29/32	6 3/8	7 1/8	5	1/2	1 9/32	(2)-5/8	8.0
2 3/16	SYH 2 3/16 RM	YAT 211-203												7.7
2 1/4	SYH 2 1/4 RM	YAT 212-204	11900	2 11/16	9 15/32	2 3/8	1	7 1/16	7 15/16	5 7/16	1 7/32	1 3/8	(2)-5/8	9.8
2 7/16	SYH 2 7/16 RM	YAT 212-207												9.2
2 15/16	SYH 2 15/16 RM	YAT 215-215	14900	3 5/16	11	2 27/32	1 5/16	8	9	6 9/16	9/16	1 17/32	(2)-3/4	15.8

Consult SKF USA Inc. prior to design change or order placement.

Pillow block / standard duty



- SYH-WF**
- Cast-iron housing
- Low center height
- Eccentric locking
- Wide inner ring
- M-seal & flingers

Replaces: RAK, VPLE200, P2B-SXRB, PL3-Y200N

How to order	SYH 1 WF
Option	Specify
Multi-function seal	SYH 1 WR
Nonrelubricatable	SYH 1 FFW

For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C	Dimensions (in)				E		H	K	L	Bolts (No. req'd)	Mass lb
				A	B	C	D	Min	Max					
3/4	SYH 3/4 WF	YEL 204-012-2F	2860	1 1/4	5	1 1/4	1/2	3 15/32	4 3/16	2 15/32	4 3/64	1 1/32	(2)-3/8	1.4
13/16	SYH 13/16 WF	YEL 205-013-2F	3150	1 5/16	5 1/8	1 13/32	1/2	3 11/16	4 11/32	2 5/8	1 1/16	1 1/16	(2)-3/8	1.9
7/8	SYH 7/8 WF	YEL 205-014-2F												2.0
15/16	SYH 15/16 WF	YEL 205-015-2F												2.0
1	SYH 1 WF	YEL 205-100-2F												1.7
1 1/16	SYH 1 1/16 WF	YEL 206-101-2F	4390	1 9/16	6	1 9/16	3 7/64	4 1/4	5	3 9/64	2 3/32	1 3/16	(2)-1/2	3.2
1 1/8	SYH 1 1/8 WF	YEL 206-102-2F												3.2
1 3/16	SYH 1 3/16 WF	YEL 206-103-2F												2.7
1 1/4 AWF	SYH 1 1/4 AWF	YEL 206-104-2F												2.7
1 1/4	SYH 1 1/4 WF	YEL 207-104-2F	5740	1 13/16	6 5/16	1 25/32	1 1/16	4 11/16	5 1/4	3 19/32	4 7/64	1 9/32	(2)-1/2	4.1
1 5/16	SYH 1 5/16 WF	YEL 207-105-2F												3.9
1 3/8	SYH 1 3/8 WF	YEL 207-106-2F												4.0
1 7/16	SYH 1 7/16 WF	YEL 207-107-2F												3.7
1 5/8	SYH 1 5/8 WF	YEL 209-110-2F	7470	2 1/16	7 3/8	1 29/32	1 3/16	5 5/16	6	4 5/32	2 7/32	1 3/8	(2)-1/2	5.9
1 11/16	SYH 1 11/16 WF	YEL 209-111-2F												5.8
1 3/4	SYH 1 3/4 WF	YEL 209-112-2F												5.3
1 15/16	SYH 1 15/16 WF	YEL 210-115-2F	7900	2 3/16	8	2 1/8	2 7/32	5 7/8	6 1/2	4 15/32	3 1/32	1 1/2	(2)-5/8	6.5
2	SYH 2 WF	YEL 211-200-2F	9810	2 7/16	8 5/8	2 3/8	2 9/32	6 3/8	7 1/8	5	1 3/32	1 23/32	(2)-5/8	9.3
2 3/16	SYH 2 3/16 WF	YEL 211-203-2F												8.7
2 1/4	SYH 2 1/4 WF	YEL 212-204-2F	11900	2 11/16	9 15/32	2 3/8	1	7 1/16	7 15/16	5 1/2	1 7/32	1 27/32	(2)-5/8	12.2
2 7/16	SYH 2 7/16 WF	YEL 212-207-2F												10.8
2 15/16	SYH 2 15/16 WF	YEL 215-215-2F	14900	3 5/16	11	2 27/32	1 5/16	8	9	6 9/16	1 15/32	2 5/32	(2)-3/4	17.2

Consult SKF USA Inc. prior to design change or order placement.

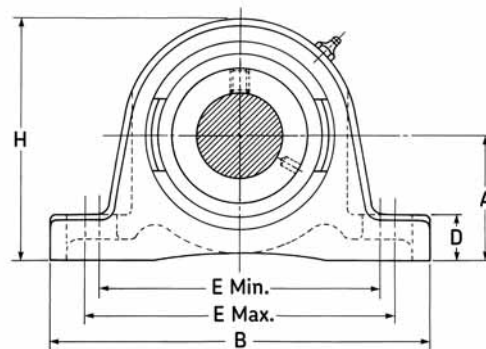
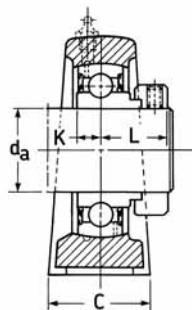
Ball bearing units

Pillow block / standard duty

SYH-FM

Cast-iron housing
Low center height
Eccentric locking
Narrow inner ring
M-seal

Replaces: VAK, VPL100,
P2B-SXVB, PL3-W200U



How to order SYH 1 FM

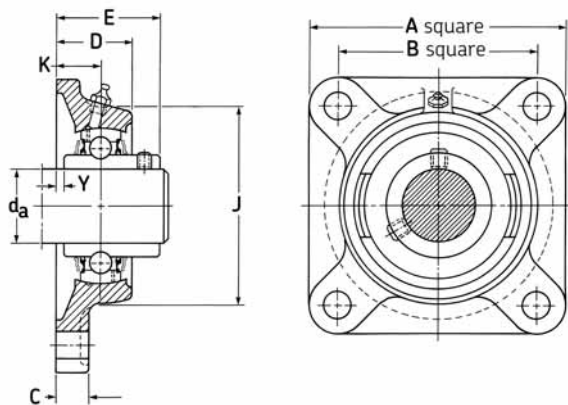
Option Specify

Nonrelubricatable SYH 1 FMW

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E Min.	E Max.	H	K	L		
in			lbf	in										lb
1/2 5/8	SYH 1/2 FM	YET 203-008	2150	1 ³ / ₁₆	5	1 ¹ / ₄	9/16	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ³ / ₃₂	1/4	7/8	(2) ⁻³ / ₈	1.1
	SYH 5/8 FM	YET 203-010												1.1
3/4	SYH 3/4 FM	YET 204-012	2860	1 ¹ / ₄	5	1 ¹ / ₄	1/2	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ¹⁵ / ₃₂	1 ⁹ / ₆₄	1 ⁹ / ₆₄	(2) ⁻³ / ₈	1.3
13/16 7/8 15/16	SYH 13/16 FM	YET 205-013	3150	1 ⁵ / ₁₆	5 ¹ / ₈	1 ¹³ / ₃₂	1/2	3 ¹¹ / ₁₆	4 ¹¹ / ₃₂	2 ⁵ / ₈	1 ⁹ / ₆₄	1 ⁹ / ₆₄	(2) ⁻³ / ₈	1.9
	SYH 7/8 FM	YET 205-014												1.9
	SYH 15/16 FM	YET 205-015												1.9
1	SYH 1 FM	YET 205-100											(2) ⁻³ / ₈	1.6
1 ¹ / ₁₆ 1 ¹ / ₈ 1 ³ / ₁₆ 1 ¹ / ₄	SYH 1 ¹ / ₁₆ FM	YET 206-101	4390	1 ⁹ / ₁₆	6	1 ⁹ / ₁₆	3 ⁷ / ₆₄	4 ¹ / ₄	5	3 ⁹ / ₆₄	2 ³ / ₆₄	1 ¹ / ₃₂	(2) ⁻¹ / ₂	3.0
	SYH 1 ¹ / ₈ FM	YET 206-102												2.4
	SYH 1 ³ / ₁₆ FM	YET 206-103												2.5
	SYH 1 ¹ / ₄ AFM	YET 206-104												3.5
1 ¹ / ₄ 1 ⁵ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	SYH 1 ¹ / ₄ FM	YET 207-104	5740	1 ¹³ / ₁₆	6 ⁵ / ₁₆	1 ²⁵ / ₃₂	1 ¹¹ / ₁₆	4 ¹¹ / ₁₆	5 ¹ / ₄	3 ¹⁹ / ₃₂	3/8	1 ⁵ / ₃₂	(2) ⁻¹ / ₂	3.5
	SYH 1 ⁵ / ₁₆ FM	YET 207-105												3.7
	SYH 1 ³ / ₈ FM	YET 207-106												3.5
	SYH 1 ⁷ / ₁₆ FM	YET 207-107												3.5
1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	SYH 1 ⁵ / ₈ FM	YET 209-110	7470	2 ¹ / ₁₆	7 ³ / ₈	1 ²⁹ / ₃₂	1 ³ / ₁₆	5 ⁵ / ₁₆	6	4 ⁵ / ₃₂	7/16	1 ¹⁹ / ₆₄	(2) ⁻¹ / ₂	5.5
	SYH 1 ¹¹ / ₁₆ FM	YET 209-111												5.1
	SYH 1 ³ / ₄ FM	YET 209-112												5.2
1 ¹⁵ / ₁₆	SYH 1 ¹⁵ / ₁₆ FM	YET 210-115	7900	2 ³ / ₁₆	8	2 ¹ / ₈	2 ⁷ / ₃₂	5 ⁷ / ₈	6 ¹ / ₂	4 ¹⁵ / ₃₂	7/16	1 ⁹ / ₆₄	(2) ⁻⁵ / ₈	6.3
2 2 ³ / ₁₆	SYH 2 FM	YET 211-200	9810	2 ⁷ / ₁₆	8 ⁵ / ₈	2 ³ / ₈	2 ⁹ / ₃₂	6 ³ / ₈	7 ¹ / ₈	5	1 ⁵ / ₃₂	1 ⁷ / ₁₆	(2) ⁻⁵ / ₈	8.8
	SYH 2 ³ / ₁₆ FM	YET 211-203												7.9
2 ⁷ / ₁₆	SYH 2 ⁷ / ₁₆ FM	YET 212-207	11847	2 ¹¹ / ₁₆	9 ¹⁵ / ₃₂	2 ³ / ₈	1	7 ¹ / ₁₆	7 ¹⁵ / ₁₆	5 ⁷ / ₁₆	1 ⁷ / ₃₂	1 ⁹ / ₁₆	(2) ⁻⁵ / ₈	11.3

Consult SKF USA Inc. prior to design change or order placement.



Flange / standard duty

FY-TF
 Cast-iron flange
 Four-bolt mounting
 Set screw locking
 Wide inner ring
 M-seal & flingers

Replaces: YCJ, SF, VP45200, F4B-SC, F3-U200N

How to order	FY 1 TF
Option	Specify
Multi-function seal	FY 1 TR
Nonrelubricatable	FY 1 TFW

For bearing information see page 278; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
in			lbf	in									lb
1/2 5/8	FY 1/2 TF	YAR 203-008-2F	2150	3	2 1/8	25/64	59/64	17/32	2 1/8	37/64	1/8	(4)-3/8	1.0
	FY 5/8 TF	YAR 203-010-2F											1.0
3/4	FY 3/4 TF	YAR 204-012-2F	2860	3 3/8	2 1/2	7/16	1 5/32	1 15/32	2 31/64	3/4	1/4	(4)-3/8	1.3
13/16 7/8 15/16 1	FY 13/16 TF	YAR 205-013-2F	3150	3 3/4	2 3/4	15/32	1 3/16	1 17/32	2 51/64	3/4	3/16	(4)-7/16	1.9
	FY 7/8 TF	YAR 205-014-2F											1.9
	FY 15/16 TF	YAR 205-015-2F											2.0
	FY 1 TF	YAR 205-100-2F											1.7
1 1/16 1 1/8 1 3/16 1 1/4	FY 1 1/16 TF	YAR 206-101-2F	4390	4 1/4	3 1/4	33/64	1 9/32	1 21/32	3 19/64	25/32	5/32	(4)-7/16	2.7
	FY 1 1/8 TF	YAR 206-102-2F											2.5
	FY 1 3/16 TF	YAR 206-103-2F											2.4
	FY 1 1/4 ATF	YAR 206-104-2F											2.7
1 1/4 1 5/16 1 3/8 1 7/16	FY 1 1/4 TF	YAR 207-104-2F	5740	4 41/64	3 5/8	33/64	1 23/64	1 53/64	3 47/64	53/64	9/64	(4)-1/2	3.2
	FY 1 5/16 TF	YAR 207-105-2F											3.6
	FY 1 3/8 TF	YAR 207-106-2F											3.5
	FY 1 7/16 TF	YAR 207-107-2F											3.0
1 1/2	FY 1 1/2 TF	YAR 208-108-2F	6910	5 1/8	4	35/64	1 33/64	2 9/64	4 11/64	15/16	13/64	(4)-1/2	4.3
1 5/8 1 11/16 1 3/4	FY 1 5/8 TF	YAR 209-110-2F	7470	5 25/64	4 1/8	35/64	1 17/32	2 9/64	4 13/32	15/16	13/64	(4)-9/16	4.8
	FY 1 11/16 TF	YAR 209-111-2F											4.8
	FY 1 3/4 TF	YAR 209-112-2F											4.7
1 15/16	FY 1 15/16 TF	YAR 210-115-2F	7900	5 5/8	4 3/8	19/32	1 11/16	2 25/64	4 41/64	1 7/64	23/64	(4)-9/16	5.3
2 2 3/16	FY 2 TF	YAR 211-200-2F	9810	6 3/8	5 1/8	5/8	1 7/8	2 35/64	5 9/32	1 7/32	11/32	(4)-5/8	7.9
	FY 2 3/16 TF	YAR 211-203-2F											7.5
2 1/4 2 7/16	FY 2 1/4 TF	YAR 212-204-2F	11900	6 7/8	5 5/8	43/64	2 3/64	2 29/32	5 5/8	1 11/32	11/32	(4)-5/8	9.6
	FY 2 7/16 TF	YAR 212-207-2F											9.0
2 1/2 2 11/16	FY 2 1/2 TF	YAR 213-208-2F	12900	7 3/8	5 7/8	21/32	2 1/16	2 55/64	6 1/16	1 5/32	5/32	(4)-5/8	11.3
	FY 2 11/16 TF	YAR 213-211-2F											10.9
2 3/4 2 15/16	FYF 2 3/4 MTF	YAR 215-212-2F	14900	7 3/4	6	3/4	2 9/16	3 7/16	6 3/8	1 5/8	9/16	(4)-3/4	15.7
	FYF 2 15/16 MTF	YAR 215-215-2F											14.8

Consult SKF USA Inc. prior to design change or order placement.

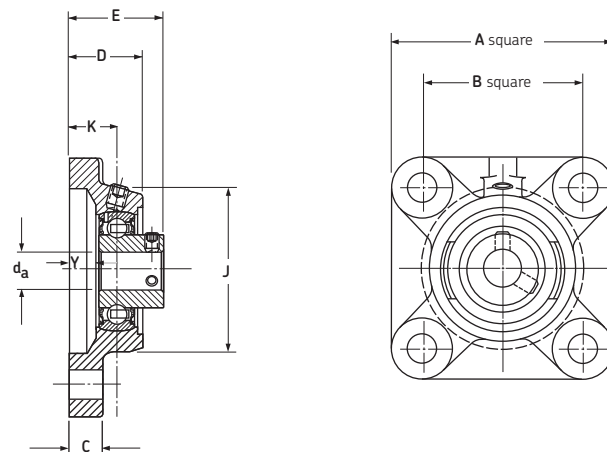
Ball bearing units

Flange / standard duty

FY-RM

Cast-iron flange
Four-bolt mounting
Set screw locking
Narrow inner ring
M-seal

Replaces: SCJ, VF, VF4S-100, F4B-VSC, F3-S200E

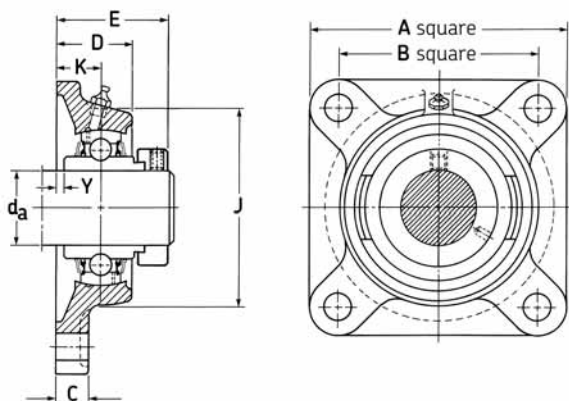


For bearing information see page 275; for seal speed limits see page 242.

Shaft dia.	Pillow block designation	Bearing designation	Bearing load rating dynamic C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
1/2	FY 1/2 RM	YAT 203-008	2150	3	2 1/8	25/64	59/64	1 13/64	2 1/8	37/64	21/64	(4)-3/8	1.0
5/8	FY 5/8 RM	YAT 203-010											
3/4	FY 3/4 RM	YAT 204-012	2860	3 3/8	2 1/2	7/16	1 5/32	1 15/32	2 31/64	3/4	15/32	(4)-3/8	1.3
7/8	FY 7/8 RM	YAT 205-014	3150	3 3/4	2 3/4	15/32	1 3/16	1 33/64	2 51/64	3/4	7/16	(4)-7/16	1.7
15/16	FY 15/16 RM	YAT 205-015											
1	FY 1 RM	YAT 205-100											
1 1/8	FY 1 1/8 RM	YAT 206-103	4390	4 1/4	3 1/4	33/64	1 9/32	1 21/32	3 19/64	25/32	7/16	(4)-7/16	2.4
1 3/16	FY 1 3/16 RM	YAT 206-103											
1 1/4	FY 1 1/4 ARM	YAT 206-104											
1 1/4	FY 1 1/4 RM	YAT 207-104	5740	4 41/64	3 5/8	33/64	1 23/64	1 53/64	3 47/64	53/64	29/64	(4)-1/2	3.2
1 3/8	FY 1 3/8 RM	YAT 207-106											
1 7/16	FY 1 7/16 RM	YAT 207-107											
1 1/2	FY 1 1/2 RM	YAT 208-108	6910	5 1/8	4	35/64	1 33/64	2 1/16	4 11/64	15/16	1/2	(4)-1/2	4.1
1 5/8	FY 1 5/8 RM	YAT 209-110	7470	5 25/64	4	35/64	1 17/32	2 9/64	4 13/32	15/16	33/64	(4)-9/16	4.5
1 11/16	FY 1 11/16 RM	YAT 209-111											
1 3/4	FY 1 3/4 RM	YAT 209-112											
1 15/16	FY 1 15/16 RM	YAT 210-115	7900	5 5/8	4 3/8	19/32	1 11/16	2 23/64	4 41/64	1 7/64	43/64	(4)-9/16	6.0
2	FY 2 RM	YAT 211-200	9810	6 3/8	5 1/8	5/8	1 7/8	2 1/2	5 9/32	1 7/32	4 7/64	(4)-5/8	7.8
2 1/8	FY 2 1/8 RM	YAT 211-202											
2 3/16	FY 2 3/16 RM	YAT 211-203											
2 1/4	FY 2 1/4 RM	YAT 212-204	11900	6 7/8	5 5/8	43/64	2 3/64	2 23/32	5 5/8	1 11/32	13/16	(4)-5/8	9.8
2 7/16	FY 2 7/16 RM	YAT 212-207											
2 15/16	FYF 2 15/16 RM	YAT 215-215	14900	7 3/4	6	3/4	2 9/16	3 5/32	6 3/8	1 5/8	1 3/64	(4)-3/4	12.3

Consult SKF USA Inc. prior to design change or order placement.

Flange / standard duty



- FY-WF**
- Cast-iron flange
- Four-bolt mounting
- Eccentric locking
- Wide inner ring
- M-seal & flingers

Replaces: RCJ, VF4E-200, F4B-SXR, F3-Y200N

How to order	FY 1 WF
Option	Specify
Multi-function seal	FY 1 WR
Nonrelubricatable	FY 1 WFW

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y			
in			lbf	in										
$3/4$	FY $3/4$ WF	YEL 204-012-2F	2860	$3^{3/8}$	$2^{1/2}$	$7/16$	$1^{5/32}$	$1^{25/32}$	$2^{31/64}$	$3/4$	$1/16$	(4)- $3/8$	1.5	
$1^{3/16}$	FY $1^{3/16}$ WF	YEL 205-013-2F	3150	$3^{3/4}$	$2^{3/4}$	$1^{5/32}$	$1^{3/16}$	$1^{13/16}$	$2^{51/64}$	$3/4$	$1/16$	(4)- $7/16$	2.1	
$7/8$	FY $7/8$ WF	YEL 205-014-2F											2.0	
$1^{5/16}$	FY $1^{5/16}$ WF	YEL 205-015-2F											2.0	
1	FY 1 WF	YEL 205-100-2F											1.9	
$1^{1/16}$	FY $1^{1/16}$ WF	YEL 206-101-2F	4390	$4^{1/4}$	$3^{1/4}$	$3^{3/64}$	$1^{9/32}$	$1^{31/32}$	$3^{19/64}$	$2^{5/32}$	$1/16$	(4)- $7/16$	2.9	
$1^{1/8}$	FY $1^{1/8}$ WF	YEL 206-102-2F											2.9	
$1^{3/16}$	FY $1^{3/16}$ WF	YEL 206-103-2F											2.5	
$1^{1/4}$	FY $1^{1/4}$ AWF	YEL 206-104-2F											2.7	
$1^{1/4}$	FY $1^{1/4}$ WF	YEL 207-104-2F	5740	$4^{41/64}$	$3^{5/8}$	$3^{3/64}$	$1^{23/64}$	$2^{3/32}$	$3^{47/64}$	$5^{3/64}$	$5/64$	(4)- $1/2$	3.6	
$1^{5/16}$	FY $1^{5/16}$ WF	YEL 207-105-2F											3.6	
$1^{3/8}$	FY $1^{3/8}$ WF	YEL 207-106-2F											3.3	
$1^{7/16}$	FY $1^{7/16}$ WF	YEL 207-107-2F											3.6	
$1^{1/2}$	FY $1^{1/2}$ WF	YEL 208-108-2F	6910	$5^{1/8}$	4	$3^{5/64}$	$1^{33/64}$	$2^{9/32}$	$4^{11/64}$	$1^{5/16}$	$1/16$	(4)- $1/2$	4.7	
$1^{5/8}$	FY $1^{5/8}$ WF	YEL 209-110-2F	7470	$5^{25/64}$	$4^{1/8}$	$3^{5/64}$	$1^{17/32}$	$2^{9/32}$	$4^{13/32}$	$1^{5/16}$	$1/16$	(4)- $9/16$	5.6	
$1^{11/16}$	FY $1^{11/16}$ WF	YEL 209-111-2F											5.0	
$1^{3/4}$	FY $1^{3/4}$ WF	YEL 209-112-2F											5.0	
$1^{15/16}$	FY $1^{15/16}$ WF	YEL 210-115-2F	7900	$5^{5/8}$	$4^{3/8}$	$1^{9/32}$	$1^{11/16}$	$2^{17/32}$	$4^{41/64}$	$1^{7/64}$	$1/16$	(4)- $9/16$	5.7	
2	FY 2 WF	YEL 211-200-2F	9810	$6^{3/8}$	$5^{1/8}$	$5/8$	$1^{7/8}$	$2^{7/8}$	$5^{9/32}$	$1^{7/32}$	$1/16$	(4)- $5/8$	8.6	
$2^{3/16}$	FY $2^{3/16}$ WF	YEL 211-203-2F											8.0	
$2^{1/4}$	FY $2^{1/4}$ WF	YEL 212-204-2F	11900	$6^{7/8}$	$5^{5/8}$	$4^{3/64}$	$2^{3/64}$	$3^{1/8}$	$5^{5/8}$	$1^{11/32}$	$1/16$	(4)- $5/8$	9.9	
$2^{7/16}$	FY $2^{7/16}$ WF	YEL 212-207-2F											9.8	
$2^{15/16}$	FY $2^{15/16}$ MWF	YEL 215-215-2F	14915	$7^{3/4}$	6	$3/4$	$2^{9/16}$	$3^{25/32}$	$6^{3/8}$	$1^{5/8}$	$5/32$	(4)- $3/4$	15.2	

Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Flange / standard duty

FY-FM

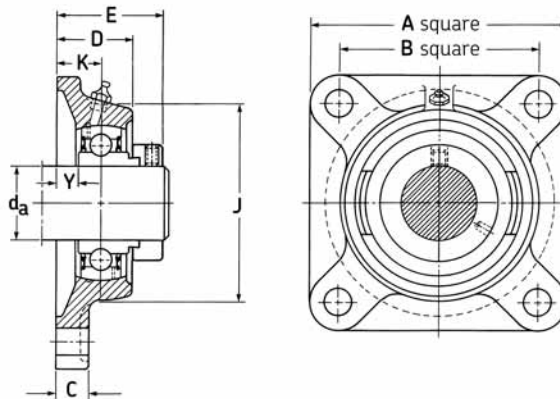
Cast-iron flange
Four-bolt mounting
Eccentric locking
Narrow inner ring
M-seal

Replaces: VCJ, VF4E-100, F4B-SXV, F3-W200U

How to order **FY 1 FM**

Option Specify

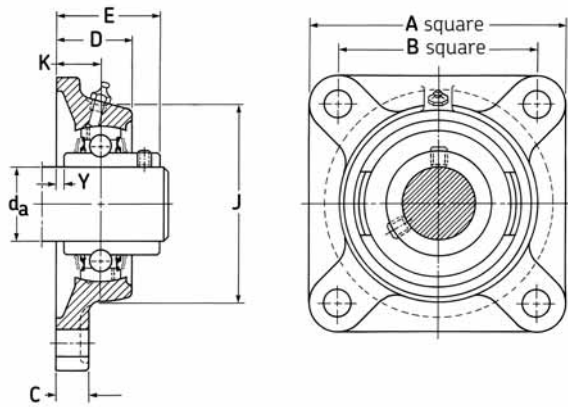
Nonrelubricatable **FY 1 FMW**



For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
1/2	FY 1/2 FM	YET 203-008	2150	3	2 1/8	25/64	59/64	1 29/64	2 1/8	37/64	21/64	(4)-3/8	1.1
5/8	FY 5/8 FM	YET 203-010											1.1
3/4	FY 3/4 FM	YET 204-012	2860	3 3/8	2 1/2	7/16	1 5/32	1 43/64	2 31/64	3/4	29/64	(4)-3/8	1.3
13/16	FY 13/16 FM FY 7/8 FM FY 15/16 FM FY 1 FM	YET 205-013	3150	3 3/4	2 3/4	15/32	1 3/16	1 43/64	2 51/64	3/4	15/32	(4)-7/16	1.8
7/8		YET 205-014											1.7
15/16		YET 205-015											1.7
1		YET 205-100											1.7
1 1/16	FY 1 1/16 FM FY 1 1/8 FM FY 1 3/16 FM FY 1 1/4 AFM	YET 206-101	4390	4 1/4	3 1/4	33/64	1 9/32	1 27/32	3 19/64	25/32	7/16	(4)-7/16	2.6
1 1/8		YET 206-102											2.5
1 3/16		YET 206-103											2.4
1 1/4		YET 206-104											2.6
1 1/4	FY 1 1/4 FM FY 1 5/16 FM FY 1 3/8 FM FY 1 7/16 FM	YET 207-104	5740	4 41/64	3 5/8	33/64	1 23/64	1 63/64	3 47/64	53/64	7/16	(4)-1/2	3.4
1 5/16		YET 207-105											3.4
1 3/8		YET 207-106											3.1
1 7/16		YET 207-107											3.1
1 1/2	FY 1 1/2 FM	YET 208-108	6910	5 1/8	4	35/64	1 33/64	2 15/64	4 11/64	15/16	15/32	(4)-1/2	4.3
1 5/8	FY 1 5/8 FM FY 1 11/16 FM FY 1 3/4 FM	YET 209-110	7470	5 25/64	4 1/8	35/64	1 17/32	2 15/64	4 13/32	15/16	15/32	(4)-9/16	4.9
1 11/16		YET 209-111											4.8
1 3/4		YET 209-112											4.6
1 15/16	FY 1 15/16 FM	YET 210-115	7900	5 5/8	4 3/8	19/32	1 11/16	2 25/64	4 41/64	1 7/64	19/32	(4)-9/16	5.3
2	FY 2 FM FY 2 3/16 FM	YET 211-200	9810	6 3/8	5 1/8	5/8	1 7/8	2 21/32	5 9/32	1 7/32	1 1/16	(4)-5/8	7.8
2 3/16		YET 211-203											7.5
2 7/16	FY 2 7/16 FM	YET 212-207	11847	6 7/8	5 5/8	43/64	2 3/64	2 3/16	5 5/8	1 11/32	1 3/32	(4)-5/8	9.6

Consult SKF USA Inc. prior to design change or order placement.



Flange / medium duty

FYM-TF
 Cast-iron flange
 Four-bolt mounting
 Set screw locking
 Wide inner ring
 M-seal & flingers

Replaces: MSF, VF4S-300, F4B-SCM, FC4-35

How to order	FYM 1 TF
Option	Specify
Multi-function seal	FYM 1 TR
Nonrelubricatable	FYM 1 TFW

For bearing information see page 279; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
in			lbf	in									lb
1	FYM 1 TF	YAR 206-100-2F	4387	4 ¹ / ₄	3 ¹ / ₄	3 ³ / ₆₄	1 ⁹ / ₃₂	1 ²¹ / ₃₂	3 ¹⁹ / ₆₄	2 ⁵ / ₃₂	5 ³ / ₃₂	(4)-7 ¹ / ₁₆	2.6
1 ³ / ₁₆	FYM 1³/₁₆ TF	YAR 207-103-2F	5737	4 ⁴¹ / ₆₄	3 ⁵ / ₈	3 ³ / ₆₄	1 ²³ / ₆₄	1 ⁵³ / ₆₄	3 ⁴⁷ / ₆₄	5 ³ / ₆₄	9 ¹ / ₆₄	(4)-1 ¹ / ₂	3.3
1 ⁷ / ₁₆	FYM 1⁷/₁₆ TF	YAR 208-107-2F	6910	5 ⁵ / ₈	4	2 ¹ / ₃₂	1 ¹⁷ / ₃₂	2 ⁹ / ₆₄	4 ¹¹ / ₆₄	1 ⁵ / ₁₆	1 ³ / ₆₄	(4)-1 ¹ / ₂	4.6
1 ¹ / ₂	FYM 1¹/₂ TF	YAR 209-108-2F	7470	5 ²⁵ / ₆₄	4 ¹ / ₈	3 ⁵ / ₆₄	1 ¹⁷ / ₃₂	2 ⁹ / ₆₄	4 ¹³ / ₃₂	1 ⁵ / ₁₆	1 ³ / ₆₄	(4)-9 ¹ / ₁₆	5.3
1 ¹¹ / ₁₆ 1 ³ / ₄	FYM 1¹¹/₁₆ TF FYM 1³/₄ TF	YAR 210-111-2F YAR 210-112-2F	7900	5 ⁵ / ₈	4 ³ / ₈	2 ⁵ / ₃₂	1 ³ / ₄	2 ²⁵ / ₆₄	4 ⁴¹ / ₆₄	1 ⁷ / ₆₄	2 ³ / ₆₄	(4)-9 ¹ / ₁₆	5.7 5.7
1 ¹⁵ / ₁₆	FYM 1¹⁵/₁₆ TF	YAR 211-115-2F	9810	6 ³ / ₈	5 ¹ / ₈	2 ⁷ / ₃₂	1 ⁷ / ₈	2 ¹⁷ / ₃₂	5 ⁹ / ₃₂	1 ⁷ / ₃₂	1 ¹ / ₃₂	(4)-5 ⁵ / ₈	8.2
2 ³ / ₁₆	FYM 2³/₁₆ TF	YAR 212-203-2F	11900	6 ⁷ / ₈	5 ⁵ / ₈	2 ⁷ / ₃₂	2 ⁵ / ₃₂	2 ²⁹ / ₃₂	5 ⁵ / ₈	1 ¹¹ / ₃₂	1 ¹ / ₃₂	(4)-5 ⁵ / ₈	9.7
2 ⁷ / ₁₆ 2 ¹ / ₂	FYM 2⁷/₁₆ TF FYM 2¹/₂ TF	YAR 214-207-2F YAR 214-208-2F	14200 14000	7 ³ / ₈	5 ⁷ / ₈	1 ¹ / ₁₆	2 ¹ / ₄	3	6 ¹ / ₈	1 ⁷ / ₁₆	1 ¹ / ₄	(4)-5 ⁵ / ₈	13.6 13.0
2 ¹¹ / ₁₆	FYM 2¹¹/₁₆ MTF	YAR 215-211-2F	14900	7 ³ / ₄	6	3 ¹ / ₄	2 ⁹ / ₁₆	3 ⁷ / ₁₆	6 ³ / ₈	1 ⁵ / ₈	9 ¹ / ₁₆	(4)-3 ³ / ₄	15.5
2 ¹⁵ / ₁₆ 3	FYM 2¹⁵/₁₆ TF FYM 3 TF	YAR 216-215-2F YAR 216-300-2F	16400	7 ³ / ₄	6	7 ¹ / ₈	2 ⁵ / ₁₆	3 ¹ / ₄	6 ³ / ₄	1 ³ / ₈	3 ¹ / ₁₆	(4)-3 ³ / ₄	15.7 15.5

Ball bearing units

Flange / standard duty

FYT-TF

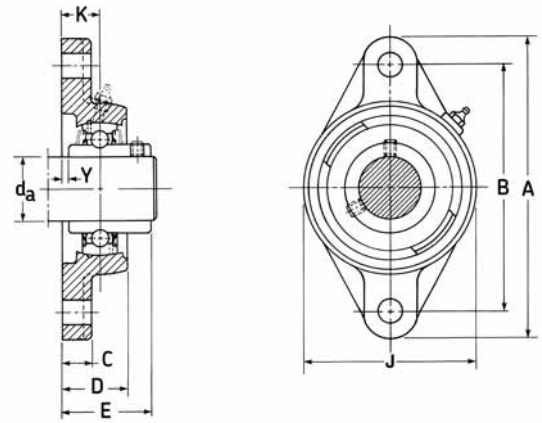
Cast-iron flange
Two-bolt mounting
Set screw locking
Wide inner ring
M-seal & flingers

Replaces: YCJT, SFT, VF25-200, F2B-SC FX3-U200N

How to order FYT 1 TF

Option Specify

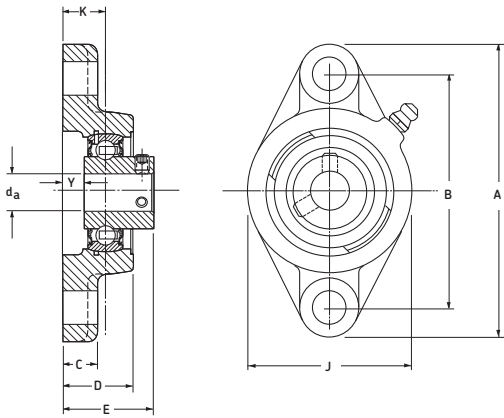
Multi-function seal FYT 1 TR
FYT 1 TFW



For bearing information see page 278; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
in			lbf	in									
$\frac{1}{2}$ $\frac{5}{8}$	FYT $\frac{1}{2}$ TF FYT $\frac{5}{8}$ TF	YAR 203-008-2F YAR 203-010-2F	2150	$3\frac{7}{8}$	3	$\frac{15}{32}$	$\frac{15}{16}$	$1\frac{7}{32}$	$2\frac{1}{8}$	$\frac{19}{32}$	$\frac{1}{8}$	(2)- $\frac{3}{8}$	0.8 0.8
$\frac{3}{4}$	FYT $\frac{3}{4}$ TF	YAR 204-012-2F	2860	$4\frac{13}{32}$	$3\frac{17}{32}$	$\frac{7}{16}$	$\frac{31}{32}$	$1\frac{9}{32}$	$2\frac{3}{8}$	$\frac{9}{16}$	$\frac{1}{16}$	(2)- $\frac{3}{8}$	0.9
$\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	FYT $\frac{13}{16}$ TF FYT $\frac{7}{8}$ TF FYT $\frac{15}{16}$ TF FYT 1 TF	YAR 205-013-2F YAR 205-014-2F YAR 205-015-2F YAR 205-100-2F	3150	$4\frac{7}{8}$	$3\frac{29}{32}$	$\frac{15}{32}$	$\frac{13}{16}$	$1\frac{17}{32}$	$2\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{16}$	(2)- $\frac{7}{16}$	1.4 1.3 1.3 1.3
$\frac{1\frac{1}{16}}$ $\frac{1\frac{1}{8}}$ $\frac{1\frac{3}{16}}$ $\frac{1\frac{1}{4}}$	FYT $\frac{1\frac{1}{16}}$ TF FYT $\frac{1\frac{1}{8}}$ TF FYT $\frac{1\frac{3}{16}}$ TF FYT $\frac{1\frac{1}{4}}$ ATF	YAR 206-101-2F YAR 206-102-2F YAR 206-103-2F YAR 206-104-2F	4390	$5\frac{9}{16}$	$4\frac{19}{32}$	$\frac{1}{2}$	$\frac{19}{32}$	$1\frac{21}{32}$	$3\frac{1}{4}$	$\frac{25}{32}$	$\frac{5}{32}$	(2)- $\frac{7}{16}$	2.2 2.0 1.9 1.8
$\frac{1\frac{1}{4}}$ $\frac{1\frac{5}{16}}$ $\frac{1\frac{3}{8}}$ $\frac{1\frac{7}{16}}$	FYT $\frac{1\frac{1}{4}}$ TF FYT $\frac{1\frac{5}{16}}$ TF FYT $\frac{1\frac{3}{8}}$ TF FYT $\frac{1\frac{7}{16}}$ TF	YAR 207-104-2F YAR 207-105-2F YAR 207-106-2F YAR 207-107-2F	5740	$6\frac{5}{32}$	$5\frac{1}{8}$	$\frac{1}{2}$	$\frac{111}{32}$	$1\frac{13}{16}$	$3\frac{25}{32}$	$\frac{13}{16}$	$\frac{1}{8}$	(2)- $\frac{1}{2}$	2.8 2.8 2.7 2.6
$1\frac{1}{2}$	FYT $1\frac{1}{2}$ TF	YAR 208-108-2F	6910	$6\frac{3}{4}$	$5\frac{21}{32}$	$\frac{9}{16}$	$1\frac{17}{32}$	$2\frac{9}{64}$	$4\frac{1}{32}$	$\frac{15}{16}$	$\frac{13}{64}$	(2)- $\frac{1}{2}$	3.6
$\frac{1\frac{5}{8}}$ $\frac{1\frac{11}{16}}$ $\frac{1\frac{3}{4}}$	FYT $\frac{1\frac{5}{8}}$ TF FYT $\frac{1\frac{11}{16}}$ TF FYT $\frac{1\frac{3}{4}}$ TF	YAR 209-110-2F YAR 209-111-2F YAR 209-112-2F	7470	$7\frac{1}{32}$	$5\frac{27}{32}$	$\frac{9}{16}$	$1\frac{17}{32}$	$2\frac{9}{64}$	$4\frac{3}{8}$	$\frac{15}{16}$	$\frac{13}{64}$	(2)- $\frac{9}{16}$	4.4 4.3 4.2
$1\frac{15}{16}$	FYT $1\frac{15}{16}$ TF	YAR 210-115-2F	7900	$7\frac{7}{16}$	$6\frac{3}{16}$	$\frac{19}{32}$	$1\frac{11}{16}$	$2\frac{25}{64}$	$4\frac{9}{16}$	$1\frac{7}{64}$	$\frac{23}{64}$	(2)- $\frac{9}{16}$	4.7
2 $2\frac{3}{16}$	FYT 2 TF FYT $2\frac{3}{16}$ TF	YAR 211-200-2F YAR 211-203-2F	9810	$8\frac{1}{2}$	$7\frac{1}{4}$	$\frac{13}{16}$	$1\frac{7}{8}$	$2\frac{15}{32}$	5	$1\frac{5}{32}$	$\frac{9}{32}$	(2)- $\frac{5}{8}$	7.0 6.7

Consult SKF USA Inc. prior to design change or order placement.



Flange / standard duty

- FYT-RM**
- Cast-iron flange
- Four-bolt mounting
- Set screw locking
- Narrow inner ring
- M-seal

Replaces: SCJT, VFT, VF2S-100, F2B-VSC, FX3-200E

For bearing information see page 278; for seal speed limits see page 242.

Shaft dia.	Pillow block designation	Bearing designation	Bearing load rating dynamic C										Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y			
in			lbf	in										
1/2	FYT 1/2 RM	YAT 203-008	2150	3 7/8	3	15/32	15/16	1 7/32	2 1/8	1 9/32	2 1/64	(2)-3/8	0.8	
5/8	FYT 5/8 RM	YAT 203-010												
3/4	FYT 3/4 RM	YAT 204-012	2860	4 13/32	3 17/32	7/16	3 1/32	1 9/32	2 3/8	9/16	9/32	(2)-3/8	0.9	
7/8	FYT 7/8 RM	YAT 205-014												
15/16	FYT 15/16 RM	YAT 205-015	3150	4 7/8	3 29/32	15/32	1 3/16	1 17/32	2 3/4	3/4	2 9/64	(2)-7/16	1.4	
1	FYT 1 RM	YAT 205-100											1.3	
													1.2	
1 1/8	FYT 1 1/8 RM	YAT 206-102												
1 3/16	FYT 1 3/16 RM	YAT 206-103	4390	5 9/16	4 19/32	1/2	1 9/32	1 21/32	3 1/4	2 5/32	7/16	(2)-7/16	1.9	
1 1/4	FYT 1 1/4 ARM	YAT 206-104											1.8	
													1.7	
1 1/4	FYT 1 1/4 RM	YAT 207-104												
1 3/8	FYT 1 3/8 RM	YAT 207-106	5740	6 5/32	5 1/8	1/2	1 11/32	1 53/64	3 25/32	1 3/16	7/16	(2)-1/2	2.6	
1 7/16	FYT 1 7/16 RM	YAT 207-107											2.6	
													2.2	
1 1/2	FYT 1 1/2 RM	YAT 208-108	6910	6 3/4	5 21/32	9/16	1 17/32	2 1/16	4 1/32	1 5/16	1/2	(2)-1/2	3.4	
1 5/8	FYT 1 5/8 RM	YAT 209-111												
1 11/16	FYT 1 11/16 RM	YAT 209-111	7470	7 1/32	5 27/32	9/16	1 17/32	2 9/64	4 3/8	1 5/16	3 3/64	(2)-9/16	4.2	
1 3/4	FYT 1 3/4 RM	YAT 209-112											4.1	
													4.0	
1 15/16	FYT 1 15/16 RM	YAT 210-115	7900	7 7/16	6 3/16	1 9/32	1 11/16	2 23/64	4 9/16	1 7/64	4 3/64	(2)-9/16	4.7	
2	FYT 2 RM	YAT 211-200												
2 3/16	FYT 2 3/16 RM	YAT 211-203	9810	8 1/2	7 1/4	1 3/16	1 7/8	2 7/16	5	1 5/32	2 1/32	(2)-5/8	6.7	
													6.3	

Ball bearing units

Flange / standard duty

FYT-WF

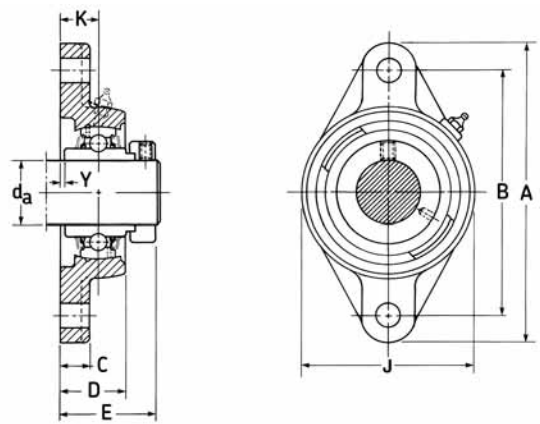
Cast-iron flange
Two-bolt mounting
Eccentric locking
Wide inner ring
M-seal & flingers

Replaces: RCJT, VF2E-100, F2B-SXR F3-Y200N

How to order FYT 1 WF

Option Specify

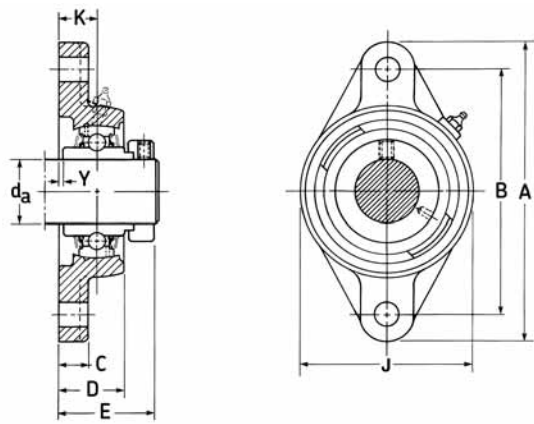
Multi-function seal FYT 1 WR
Nonrelubricatable FY 1 WFW



For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Dimensions								Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
in			lbf	in									lb
3/4	FYT 3/4 WF	YEL 204-012-2F	2860	4 ¹³ / ₃₂	3 ¹⁷ / ₃₂	7/16	3 ¹ / ₃₂	1 ³⁹ / ₆₄	2 ³ / ₈	9/16	7/64	(2)-3/8	1.3
13/16	FYT 13/16 WF	YEL 205-013-2F	3150	4 ⁷ / ₈	3 ²⁹ / ₃₂	15/32	1 ³ / ₁₆	1 ¹³ / ₁₆	2 ³ / ₄	3/4	1/16	(2)-7/16	1.5
7/8	FYT 7/8 WF	YEL 205-014-2F											1.5
15/16	FYT 15/16 WF	YEL 205-015-2F											1.5
1	FYT 1 WF	YEL 205-100-2F											2.0
1 ¹ / ₁₆	FYT 1 ¹ / ₁₆ WF	YEL 206-101-2F	4390	5 ⁹ / ₁₆	4 ¹⁹ / ₃₂	1/2	1 ⁹ / ₃₂	1 ³¹ / ₃₂	3 ¹ / ₄	2 ⁵ / ₃₂	1/16	(2)-7/16	2.3
1 ¹ / ₈	FYT 1 ¹ / ₈ WF	YEL 206-102-2F											2.2
1 ³ / ₁₆	FYT 1 ³ / ₁₆ WF	YEL 206-103-2F											2.0
1 ¹ / ₄	FYT 1 ¹ / ₄ WF	YEL 207-104-2F	5740	6 ⁵ / ₃₂	5 ¹ / ₈	1/2	1 ¹¹ / ₃₂	2 ³ / ₃₂	3 ²⁵ / ₃₂	1 ³ / ₁₆	3/32	(2)-1/2	3.3
1 ⁵ / ₁₆	FYT 1 ⁵ / ₁₆ WF	YEL 207-105-2F											3.2
1 ³ / ₈	FYT 1 ³ / ₈ WF	YEL 207-106-2F											3.2
1 ⁷ / ₁₆	FYT 1 ⁷ / ₁₆ WF	YEL 207-107-2F											2.8
1 ¹ / ₂	FYT 1 ¹ / ₂ WF	YEL 208-108-2F	6910	6 ³ / ₄	5 ²¹ / ₃₂	9/16	1 ¹⁷ / ₃₂	2 ⁵ / ₁₆	4 ¹ / ₃₂	1 ⁵ / ₁₆	7/64	(2)-1/2	3.8
1 ⁵ / ₈	FYT 1 ⁵ / ₈ WF	YEL 209-110-2F	7470	7 ¹ / ₃₂	5 ²⁷ / ₃₂	9/16	1 ¹⁷ / ₃₂	2 ⁵ / ₁₆	4 ³ / ₈	1 ⁵ / ₁₆	7/64	(2)-9/16	4.6
1 ¹¹ / ₁₆	FYT 1 ¹¹ / ₁₆ WF	YEL 209-111-2F											4.6
1 ³ / ₄	FYT 1 ³ / ₄ WF	YEL 209-112-2F											4.4
1 ¹⁵ / ₁₆	FYT 1 ¹⁵ / ₁₆ WF	YEL 210-115-2F	7900	7 ⁷ / ₁₆	6 ³ / ₁₆	1 ⁹ / ₃₂	1 ¹¹ / ₁₆	2 ³⁹ / ₆₄	4 ⁹ / ₁₆	1 ⁷ / ₆₄	9/64	(2)-9/16	5.5
2	FYT 2 WF	YEL 211-200-2F	9810	8 ¹ / ₂	7 ¹ / ₄	1 ³ / ₁₆	1 ⁷ / ₈	2 ⁷ / ₈	5	1 ⁵ / ₃₂	1/16	(2)-5/8	7.1
2 ³ / ₁₆	FYT 2 ³ / ₁₆ WF	YEL 211-203-2F											6.8

Consult SKF USA Inc. prior to design change or order placement.



Flange / standard duty

- FYT-FM**
- Cast-iron flange
- Two-bolt mounting
- Eccentric locking
- Narrow inner ring
- M-seal

Replaces: VCJT, VF2E-100, F2B-SXV, FX3-W200E

How to order	FYT 1 FM
Option	Specify
Nonrelubricatable	FYT 1 FMW

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
in			lbf	in									lb
$1/2$ $5/8$	FYT $1/2$ FM FYT $5/8$ FM	YET 203-008 YET 203-010	2150	$3^{7/8}$	3	$15/32$	$15/16$	$1^{7/16}$	$2^{1/8}$	$1^{9/32}$	$2^{1/64}$	(2)- $3/8$	0.9 0.8
$3/4$	FYT $3/4$ FM	YET 204-012	2860	$4^{13/32}$	$3^{17/32}$	$7/16$	$3^{1/32}$	$1^{1/2}$	$2^{3/8}$	$9/16$	$1^{7/64}$	(2)- $3/8$	1.0
$13/16$ $7/8$ $15/16$ 1	FYT $13/16$ FM FYT $7/8$ FM FYT $15/16$ FM FYT 1 FM	YET 205-013 YET 205-014 YET 205-015 YET 205-100	3150	$4^{7/8}$	$3^{29/32}$	$15/32$	$1^{3/16}$	$1^{11/16}$	$2^{3/4}$	$3/4$	$2^{9/64}$	(2)- $7/16$	1.4 1.4 1.4 1.3
$1^{1/16}$ $1^{1/8}$ $1^{3/16}$ $1^{1/4}$	FYT $1^{1/16}$ FM FYT $1^{1/8}$ FM FYT $1^{3/16}$ FM FYT $1^{1/4}$ AFM	YET 206-101 YET 206-102 YET 206-103 YET 206-104	4390	$5^{9/16}$	$4^{19/32}$	$1/2$	$1^{9/32}$	$1^{27/32}$	$3^{1/4}$	$2^{5/32}$	$7/16$	(2)- $7/16$	2.1 2.0 2.0 1.8
$1^{1/4}$ $1^{15/16}$ $1^{3/8}$ $1^{7/16}$	FYT $1^{1/4}$ FM FYT $1^{15/16}$ FM FYT $1^{3/8}$ FM FYT $1^{7/16}$ FM	YET 207-104 YET 207-105 YET 207-106 YET 207-107	5740	$6^{5/32}$	$5^{1/8}$	$1/2$	$1^{11/32}$	$1^{31/32}$	$3^{25/32}$	$1^{3/16}$	$7/16$	(2)- $1/2$	3.1 3.0 2.7 2.7
$1^{1/2}$	FYT $1^{1/2}$ FM	YET 208-108	6910	$6^{3/4}$	$5^{21/32}$	$9/16$	$1^{17/32}$	$2^{15/64}$	$4^{1/32}$	$1^{5/16}$	$3^{3/64}$	(2)- $1/2$	3.6
$1^{5/8}$ $1^{11/16}$ $1^{3/4}$	FYT $1^{5/8}$ FM FYT $1^{11/16}$ FM FYT $1^{3/4}$ FM	YET 209-110 YET 209-111 YET 209-112	7470	$7^{1/32}$	$5^{27/32}$	$9/16$	$1^{17/32}$	$2^{15/64}$	$4^{3/8}$	$1^{5/16}$	$3^{3/64}$	(2)- $9/16$	4.6 4.6 4.2
$1^{15/16}$	FYT $1^{15/16}$ FM	YET 210-115	7900	$7^{7/16}$	$6^{3/16}$	$1^{9/32}$	$1^{11/16}$	$2^{25/64}$	$4^{9/16}$	$1^{7/64}$	$4^{3/64}$	(2)- $9/16$	5.1
2 $2^{3/16}$	FYT 2 FM FYT $2^{3/16}$ FM	YET 211-200 YET 211-203	9810	$8^{1/2}$	$7^{1/4}$	$1^{3/16}$	$1^{7/8}$	$2^{19/32}$	5	$1^{5/32}$	$1^{11/16}$	(2)- $5/8$	6.3 6.1

Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Flange / medium duty

FYTM-TF

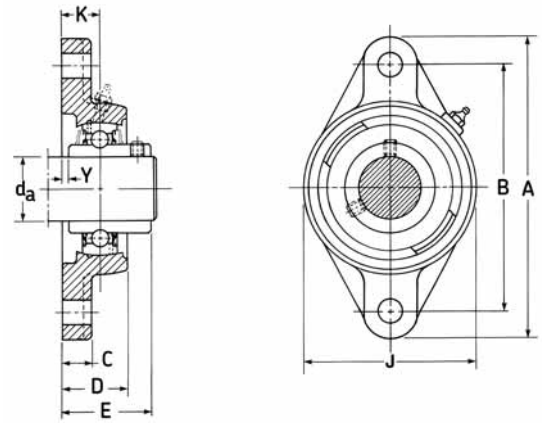
Cast-iron flange
Two-bolt mounting
Set screw locking
Wide inner ring
M-seal & flingers

Replaces: MSFT, VF2S-300, F2B-SCM FC2-3S

How to order FYTM 1⁷/₁₆ TF

Option Specify

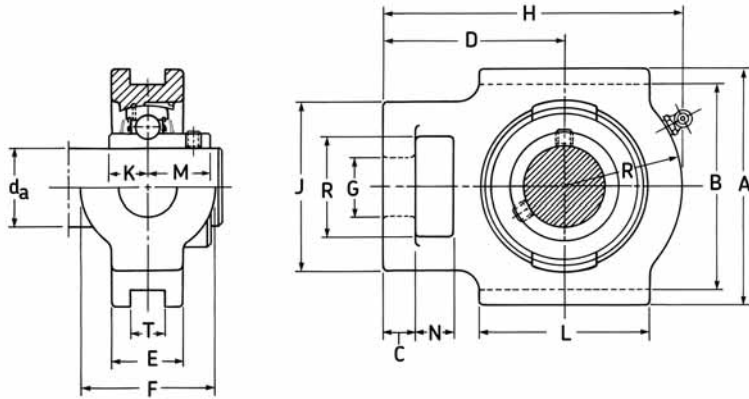
Multi-function seal FYTM 1⁷/₁₆ TR
Nonrelubricatable FYTM 1⁷/₁₆ TFW



For bearing information see page 279; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
				A	B	C	D	E	J	K	Y		
in			lbf	in									lb
1	FYTM 1 TF	YAR 206-100-2F	4390	5 ⁹ / ₁₆	4 ¹⁹ / ₃₂	1/2	1 ⁹ / ₃₂	1 ²¹ / ₃₂	3 ¹ / ₄	2 ⁵ / ₃₂	5/32	(2)- ⁷ / ₁₆	2.3
1 ³ / ₁₆	FYTM 1 ³ / ₁₆ TF	YAR 207-103-2F	5740	6 ⁵ / ₃₂	5 ¹ / ₈	1/2	1 ¹¹ / ₃₂	1 ¹³ / ₃₂	3 ²⁵ / ₃₂	1 ³ / ₁₆	1/8	(2)- ¹ / ₂	2.9
1 ⁷ / ₁₆	FYTM 1 ⁷ / ₁₆ TF	YAR 208-107-2F	6910	6 ³ / ₄	5 ²¹ / ₃₂	9/16	1 ¹⁷ / ₃₂	2 ⁹ / ₆₄	4 ¹ / ₃₂	1 ⁵ / ₁₆	1 ³ / ₆₄	(2)- ¹ / ₂	3.7
1 ¹ / ₂	FYTM 1 ¹ / ₂ TF	YAR 209-108-2F	7470	7 ¹ / ₃₂	5 ²⁷ / ₃₂	9/16	1 ¹⁷ / ₃₂	2 ⁹ / ₆₄	4 ³ / ₈	1 ⁵ / ₁₆	1 ³ / ₆₄	(2)- ⁹ / ₁₆	5.4
1 ¹¹ / ₁₆ 1 ³ / ₄	FYTM 1 ¹¹ / ₁₆ TF FYTM 1 ³ / ₄ TF	YAR 210-111-2F YAR 210-112-2F	7900	7 ⁷ / ₁₆	6 ³ / ₁₆	1 ⁹ / ₃₂	1 ¹¹ / ₁₆	2 ²⁵ / ₆₄	4 ⁹ / ₁₆	1 ⁷ / ₆₄	2 ³ / ₆₄	(2)- ⁹ / ₁₆	6.1 5.4
1 ¹⁵ / ₁₆	FYTM 1 ¹⁵ / ₁₆ TF	YAR 211-115-2F	9810	8 ¹ / ₂	7 ¹ / ₄	1 ³ / ₁₆	1 ⁷ / ₈	2 ¹⁵ / ₃₂	5	1 ⁵ / ₃₂	9/32	(2)- ⁵ / ₈	6.7

Take-up / standard duty



TU-TF
 Cast-iron housing
 Wide slot
 Set screw locking
 Narrow inner ring
 M-seal

Replaces: YTU, ST, VTWS-200, WSTU-SC, TH3-U200N

How to order	TU 1 TF
Option	Specify
Multi-function seal	TU 1 TR
Nonrelubricatable	TU 1 TFW

For bearing information see page 278; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity																	Mass
				C	A	B	C	D	E	F	G	H	J	K	L	M	N	R	T	
in			lbf	in																lb
3/4	TU 3/4 TF	YAR 204-012-2F	2860	3 ⁵ / ₈	3	2 ⁵ / ₆₄	2 ⁷ / ₁₆	6 ³ / ₆₄	1 ¹¹ / ₃₂	3/4	3 ¹³ / ₁₆	2 ¹ / ₈	1/2	2 ¹ / ₈	2 ³ / ₃₂	5/8	1 ¹⁷ / ₆₄	1 ⁷ / ₃₂	2.0	
13/16	TU 13/16 TF	YAR 205-013-2F	3150	3 ³⁷ / ₆₄	3	2 ⁵ / ₆₄	2 ³³ / ₆₄	6 ³ / ₆₄	1 ¹¹ / ₃₂	3/4	3 ¹⁵ / ₁₆	2 ³ / ₃₂	1 ⁹ / ₁₆	2 ³ / ₆₄	2 ⁵ / ₃₂	5/8	1 ¹⁹ / ₆₄	1 ⁷ / ₃₂	2.0	
7/8	TU 7/8 TF	YAR 205-014-2F																	2.0	
15/16	TU 15/16 TF	YAR 205-015-2F																	2.0	
1	TU 1 TF	YAR 205-100-2F																		1.9
1 ¹ / ₁₆	TU 1 ¹ / ₁₆ TF	YAR 206-101-2F	4390	4 ³ / ₃₂	3 ¹ / ₂	2 ⁵ / ₆₄	2 ³ / ₄	1 ⁷ / ₆₄	1 ²⁹ / ₆₄	5 ⁵ / ₆₄	4 ³¹ / ₆₄	2 ¹³ / ₆₄	5/8	2 ¹⁵ / ₆₄	7/8	5/8	1 ²⁹ / ₆₄	1 ⁷ / ₃₂	2.8	
1 ¹ / ₈	TU 1 ¹ / ₈ TF	YAR 206-102-2F																	2.8	
1 ³ / ₁₆	TU 1 ³ / ₁₆ TF	YAR 206-103-2F																	2.7	
1 ¹ / ₄	TU 1 ¹ / ₄ ATF	YAR 206-104-2F																	2.6	
1 ¹ / ₄	TU 1 ¹ / ₄ TF	YAR 207-104-2F	5740	4 ¹ / ₁₆	3 ¹ / ₂	1 ⁵ / ₃₂	3 ⁵ / ₆₄	1 ³ / ₁₆	1 ²³ / ₆₄	5 ⁵ / ₆₄	5 ⁵ / ₆₄	2 ³³ / ₆₄	1 ¹¹ / ₁₆	2 ³³ / ₆₄	1	4 ³ / ₆₄	1 ¹ / ₂	1 ⁷ / ₃₂	3.5	
1 ⁵ / ₁₆	TU 1 ⁵ / ₁₆ TF	YAR 207-105-2F																	3.5	
1 ³ / ₈	TU 1 ³ / ₈ TF	YAR 207-106-2F																	3.5	
1 ⁷ / ₁₆	TU 1 ⁷ / ₁₆ TF	YAR 207-107-2F																	3.4	
1 ¹ / ₂	TU 1 ¹ / ₂ TF	YAR 208-108-2F	6910	4 ¹⁷ / ₃₂	3 ³¹ / ₃₂	1 ⁹ / ₃₂	3 ¹⁵ / ₃₂	1 ¹⁹ / ₆₄	1 ⁵⁹ / ₆₄	1 ⁹ / ₆₄	5 ⁴⁵ / ₆₄	3 ¹⁷ / ₆₄	5 ³ / ₆₄	3 ¹⁷ / ₆₄	1 ³ / ₁₆	3/4	1 ³¹ / ₃₂	1 ¹¹ / ₁₆	5.2	
1 ⁵ / ₈	TU 1 ⁵ / ₈ TF	YAR 209-110-2F	7470	4 ³⁹ / ₆₄	3 ³¹ / ₃₂	1 ⁹ / ₃₂	3 ²⁷ / ₆₄	1 ³ / ₈	1 ⁵⁹ / ₆₄	1 ⁹ / ₆₄	5 ²¹ / ₃₂	3 ¹⁷ / ₆₄	3/4	3 ¹⁷ / ₆₄	1 ³ / ₁₆	3/4	1 ⁵⁹ / ₆₄	1 ¹¹ / ₁₆	5.3	
1 ¹¹ / ₁₆	TU 1 ¹¹ / ₁₆ TF	YAR 209-111-2F																	5.2	
1 ³ / ₄	TU 1 ³ / ₄ TF	YAR 209-112-2F																	5.2	
1 ¹⁵ / ₁₆	TU 1 ¹⁵ / ₁₆ TF	YAR 210-115-2F	7900	4 ³⁹ / ₆₄	3 ³¹ / ₃₂	5/8	3 ³⁵ / ₆₄	1 ²⁷ / ₆₄	1 ⁵⁹ / ₆₄	1 ⁹ / ₆₄	5 ⁷ / ₈	3 ¹⁷ / ₆₄	3/4	3 ²⁵ / ₆₄	1 ⁹ / ₃₂	3/4	1 ⁵⁹ / ₆₄	1 ¹¹ / ₁₆	5.3	
2	TU 2 TF	YAR 211-200-2F	9810	5 ³ / ₄	5 ¹ / ₈	3/4	4 ¹¹ / ₆₄	1 ³⁹ / ₆₄	2 ²³ / ₆₄	1 ³ / ₈	6 ⁴⁷ / ₆₄	4 ¹ / ₆₄	7/8	3 ⁴⁷ / ₆₄	1 ⁵ / ₁₆	6 ³ / ₆₄	2 ²³ / ₆₄	1 ¹ / ₁₆	9.4	
2 ³ / ₁₆	TU 2 ³ / ₁₆ TF	YAR 211-203-2F																	8.4	

Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Take-up / standard duty

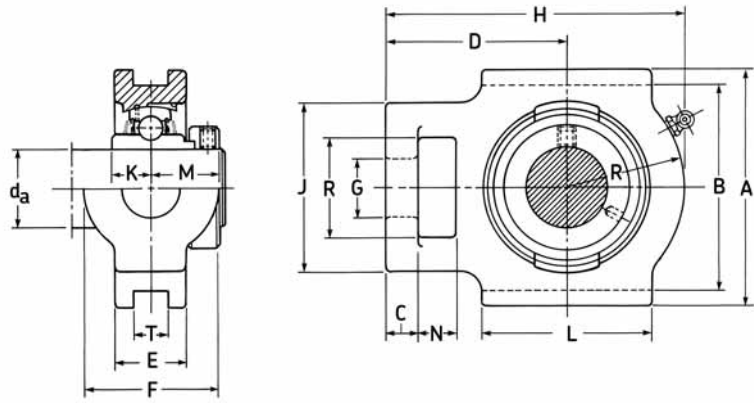
TU-WF
 Cast-iron housing
 Wide slot
 Eccentric locking
 Wide inner ring
 M-seal & flingers

Replaces: RTU, VTWE-200, WSTU-SXR

How to order **TU 1 WF**

Option Specify

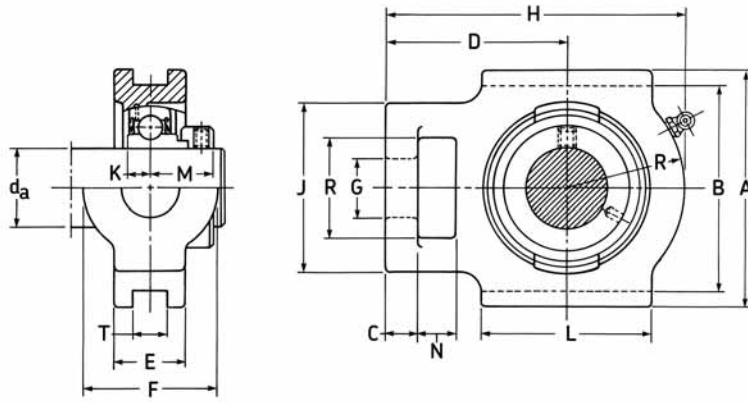
Multi-function seal TU 1 WR
 Nonrelubricatable TU 1 WFW



For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity																	Mass	
				C	A	B	C	D	E	F	G	H	J	K	L	M	N	R	T		
in			lbf	in															lb		
3/4	TU 3/4 WF	YEL 204-012-2F	2860	3 5/8	3		25/64	27/16	63/64	111/32	3/4	313/16	21/8	43/64	21/8	13/64	5/8	117/64	17/32	2.0	
13/16	TU 13/16 WF	YEL 205-013-2F	3150	3 37/64	3		25/64	233/64	63/64	111/32	3/4	315/16	23/32	11/16	23/64	11/16	5/8	119/64	17/32	2.3	
7/8	TU 7/8 WF	YEL 205-014-2F																		2.2	
15/16	TU 15/16 WF	YEL 205-015-2F																		2.2	
1	TU 1 WF	YEL 205-100-2F																			2.1
1 1/16	TU 1 1/16 WF	YEL 206-101-2F	4390	4 3/32	3 1/2		25/64	23/4	17/64	129/64	23/64	431/64	213/64	23/32	23/64	13/16	5/8	129/64	17/32	3.0	
1 1/8	TU 1 1/8 WF	YEL 206-102-2F																		2.9	
1 3/16	TU 1 3/16 WF	YEL 206-103-2F																		2.9	
1 1/4	TU 1 1/4 AWF	YEL 206-104-2F																		2.9	
1 1/4	TU 1 1/4 WF	YEL 207-104-2F	5740	4 1/16	3 1/2		15/32	35/64	13/16	129/64	23/64	55/64	223/64	3/4	233/64	117/64	21/32	11/2	17/32	3.5	
1 5/16	TU 1 5/16 WF	YEL 207-105-2F																		3.5	
1 3/8	TU 1 3/8 WF	YEL 207-106-2F																		3.5	
1 7/16	TU 1 7/16 WF	YEL 207-107-2F																		3.4	
1 1/2	TU 1 1/2 WF	YEL 208-108-2F	6910	4 17/32	3 31/32		19/32	315/32	119/64	159/64	19/64	545/64	217/64	27/32	317/64	13/8	3/4	131/32	11/16	4.7	
1 5/8	TU 1 5/8 WF	YEL 209-110-2F	7470	4 39/64	3 31/32		19/32	327/64	13/8	159/64	19/64	521/32	317/64	27/32	317/64	13/8	3/4	159/64	11/16	6.1	
1 11/16	TU 1 11/16 WF	YEL 209-111-2F																		6.0	
1 3/4	TU 1 3/4 WF	YEL 209-112-2F																		6.0	
1 15/16	TU 1 15/16 WF	YEL 210-115-2F	7900	4 39/64	3 31/32		5/8	335/64	127/64	159/64	19/64	57/8	317/64	31/32	325/64	11/2	3/4	159/64	11/16	5.8	
2	TU 2 WF	YEL 211-200-2F	9810	5 3/4	5 1/8		3/4	311/64	139/64	133/64	13/8	647/64	41/64	13/32	347/64	123/32	63/64	133/64	11/16	9.4	
2 3/16	TU 2 3/16 WF	YEL 211-203-2F																		9.0	

Consult SKF USA Inc. prior to design change or order placement.



Take-up / standard duty

TU-FM
 Cast-iron housing
 Wide slot
 Eccentric locking
 Narrow inner ring
 M-seal

Replaces: VTU, VTWE-100, WSTU-SXV

How to order	TU 1 FM
Option	Specify
Nonrelubricatable	TU 1 FMW

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Dimensions																Mass
				A	B	C	D	E	F	G	H	J	K	L	M	N	R	T		
in			lbf	in																lb
3/4	TU 3/4 FM	YET 204-012	2860	3 5/8	3	25/64	2 7/16	6 3/64	1 11/32	3/4	3 13/16	2 1/8	1 9/64	2 1/8	1 59/64	5/8	1 17/64	1 7/32	2.0	
13/16	TU 13/16 FM	YET 205-013	3150	3 37/64	3	25/64	2 33/64	6 3/64	1 11/32	3/4	3 15/16	2 3/32	1 9/64	2 3/64	1 59/64	5/8	1 19/64	1 7/32	2.1	
7/8	TU 7/8 FM	YET 205-014																	2.1	
15/16	TU 15/16 FM	YET 205-015																	2.1	
1	TU 1 FM	YET 205-100																		1.9
1 1/16	TU 1 1/16 FM	YET 206-101	4390	3 3/32	3 1/2	25/64	2 3/4	1 7/64	1 29/64	7/8	4 31/64	2 13/64	2 3/64	2 3/32	1 3/64	5/8	1 29/64	1 7/32	3.0	
1 1/8	TU 1 1/8 FM	YET 206-102																	2.8	
1 3/16	TU 1 3/16 FM	YET 206-103																	2.7	
1 1/4	TU 1 1/4 AFM	YET 206-104																	2.8	
1 1/4	TU 1 1/4 FM	YET 207-104	5740	4 1/16	3 1/2	15/32	3 5/64	1 3/16	1 29/64	7/8	4 5/64	2 23/64	3/8	2 33/64	1 5/32	2 1/32	1 1/2	1 7/32	3.4	
1 5/16	TU 1 5/16 FM	YET 207-105																	3.6	
1 3/8	TU 1 3/8 FM	YET 207-106																	3.4	
1 7/16	TU 1 7/16 FM	YET 207-107																	3.2	
1 1/2	TU 1 1/2 FM	YET 208-108	6910	4 17/32	3 31/32	19/32	3 15/32	1 19/64	1 59/64	1 9/64	4 45/64	2 17/64	7/16	3 17/64	1 9/32	3/4	1 31/32	1 11/16	5.2	
1 5/8	TU 1 5/8 FM	YET 209-110	7470	4 39/64	3 31/32	19/32	3 27/64	1 3/8	1 15/16	1 5/32	5 21/32	3 9/32	7/16	3 9/32	1 9/32	3/4	1 59/64	1 11/16	5.8	
1 11/16	TU 1 11/16 FM	YET 209-111																	5.2	
1 3/4	TU 1 3/4 FM	YET 209-112																	5.2	
1 15/16	TU 1 15/16 FM	YET 210-115	7900	4 39/64	3 31/32	5/8	3 35/64	1 27/64	1 59/64	1 9/64	5 7/8	2 17/64	7/16	3 25/64	1 9/32	3/4	1 59/64	1 11/16	5.3	
2	TU 2 FM	YET 211-200	9810	5 3/4	5 1/8	3/4	3 11/64	1 5/8	1 33/64	1 3/8	6 47/64	4 1/64	15/32	3 47/64	1 7/16	6 3/64	1 59/64	1 1/16	8.8	
2 3/16	TU 2 3/16 FM	YET 211-203																	8.6	

Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Take-up / medium duty

TUM-TF

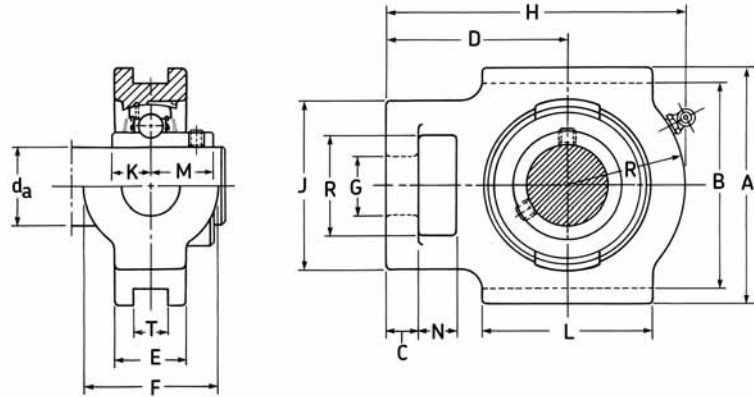
Cast-iron housing
Wide slot
Set screw locking
Wide inner ring
M-seal & flingers

Replaces: MST, VTWS-300, WSTU-SCM, TC-35

How to order TUM 1^{7/16} TF

Option Specify

Multi-function seal TUM 1^{7/16} TR
Nonrelubricatable TUM 1^{7/16} TFW



For bearing information see page 279; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Bearing designation	Dynamic capacity C	Dimensions															
				A	B	C	D	E	F	G	H	J	K	L	M	N	R	T	
in			lbf	in															
1	TUM 1 TF	YAR 206-100-2F	4390	4 ^{3/32}	3 ^{1/2}	2 ^{5/64}	2 ^{3/4}	1 ^{7/64}	1 ^{29/64}	5 ^{5/64}	4 ^{31/64}	2 ^{13/64}	5/8	2 ^{15/64}	7/8	5/8	1 ^{29/64}	1 ^{7/32}	
1 ^{3/16}	TUM 1^{3/16} TF	YAR 207-106-2F	5740	4 ^{1/16}	3 ^{1/2}	1 ^{5/32}	3 ^{5/64}	1 ^{3/16}	1 ^{23/64}	5 ^{5/64}	5 ^{5/64}	2 ^{23/64}	1 ^{1/16}	2 ^{33/64}	1	4 ^{3/64}	1 ^{1/2}	1 ^{7/32}	
1 ^{7/16}	TUM 1^{7/16} TF	YAR 208-107-2F	6910	4 ^{17/32}	3 ^{31/32}	1 ^{9/32}	3 ^{15/32}	1 ^{19/64}	1 ^{59/64}	1 ^{9/64}	5 ^{45/64}	3 ^{17/64}	5 ^{3/64}	3 ^{17/64}	1 ^{3/16}	3/4	1 ^{31/32}	1 ^{1/16}	
1 ^{1/2}	TUM 1^{1/2} TF	YAR 209-108-2F	7470	4 ^{39/64}	3 ^{31/32}	1 ^{9/32}	3 ^{27/64}	1 ^{3/8}	1 ^{59/64}	1 ^{9/64}	5 ^{21/32}	3 ^{17/64}	3/4	3 ^{17/64}	1 ^{3/16}	3/4	1 ^{59/64}	1 ^{1/16}	
1 ^{11/16}	TUM 1^{11/16} TF	YAR 210-111-2F	7900	4 ^{39/64}	3 ^{31/32}	5/8	3 ^{35/64}	1 ^{27/64}	1 ^{59/64}	1 ^{9/64}	5 ^{7/8}	3 ^{17/64}	3/4	3 ^{25/64}	1 ^{9/32}	3/4	1 ^{59/64}	1 ^{1/16}	
1 ^{3/4}	TUM 1^{3/4} TF	YAR 210-112-2F																	
1 ^{15/16}	TUM 1^{15/16} TF	YAR 211-115-2F	9810	5 ^{3/4}	5 ^{1/8}	3/4	4 ^{11/64}	1 ^{39/64}	2 ^{33/64}	1 ^{3/8}	6 ^{47/64}	4 ^{1/64}	7/8	3 ^{47/64}	1 ^{5/16}	6 ^{3/64}	2 ^{33/64}	1 ^{1/16}	

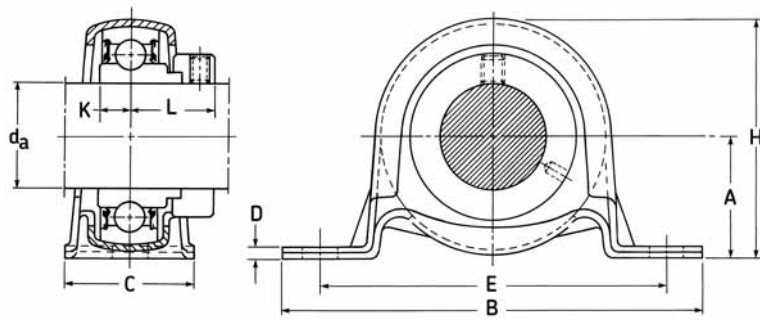
Consult SKF USA Inc. prior to design change or order placement.

Pillow block / light duty

S-FM

- Pressed steel housing
- Eccentric locking
- Narrow inner ring
- Nonrelubricatable
- M-seal

Replaces: PB, SSPE-100, P2B-SLX



How to order	S 1 FM
Option	Specify
None	S 1 FM

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Set screw size	A	B	C	D	E	H	K	L	Bolt hole dia.	Bolts (No. req'd)	Mass lb
					in										
$\frac{1}{2}$	S $\frac{1}{2}$ FM	YET 203-008	2150	$\frac{1}{4}$ -28	$\frac{7}{8}$	$3\frac{5}{8}$	1	$\frac{7}{32}$	$2\frac{11}{16}$	$1\frac{3}{4}$	$\frac{1}{4}$	$\frac{7}{8}$	$\frac{11}{32}$	(2)- $\frac{5}{16}$	0.5
$\frac{5}{8}$	S $\frac{5}{8}$ FM	YET 203-010			0.5										
$\frac{3}{4}$	S $\frac{3}{4}$ FM	YET 204-012	2860	$\frac{1}{4}$ -28	$1\frac{1}{8}$	$4\frac{9}{32}$	$1\frac{1}{8}$	$\frac{7}{32}$	$3\frac{3}{8}$	$2\frac{1}{4}$	$\frac{19}{64}$	$\frac{59}{64}$	$\frac{13}{32}$	(2)- $\frac{5}{16}$	0.6
$\frac{13}{16}$	S $\frac{13}{16}$ FM	YET 205-013	3150	$\frac{1}{4}$ -28	$1\frac{1}{8}$	$4\frac{9}{32}$	$1\frac{1}{8}$	$\frac{7}{32}$	$3\frac{3}{8}$	$2\frac{1}{4}$	$\frac{19}{64}$	$\frac{59}{64}$	$\frac{13}{32}$	(2)- $\frac{25}{64}$	0.7
$\frac{7}{8}$	S $\frac{7}{8}$ FM	YET 205-014													0.7
$\frac{15}{16}$	S $\frac{15}{16}$ FM	YET 205-015													0.6
1	S 1 FM	YET 205-100													0.7
$1\frac{1}{16}$	S $1\frac{1}{16}$ FM	YET 206-101	4390	$\frac{5}{16}$ -24	$1\frac{5}{16}$	$4\frac{7}{8}$	$1\frac{1}{4}$	$\frac{7}{32}$	$3\frac{3}{4}$	$2\frac{5}{8}$	$2\frac{3}{64}$	$1\frac{3}{64}$	$\frac{13}{32}$	(2)- $\frac{25}{64}$	1.1
$1\frac{1}{8}$	S $1\frac{1}{8}$ FM	YET 206-102													1.1
$1\frac{3}{16}$	S $1\frac{3}{16}$ FM	YET 206-103													1.0
$1\frac{1}{4}$	S $1\frac{1}{4}$ AFM	YET 206-104													1.2

Ball bearing units

Pillow block / light duty

SR-FM

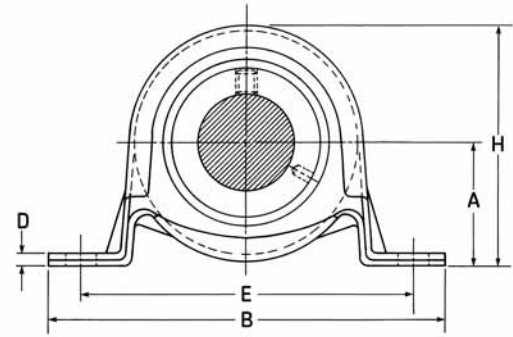
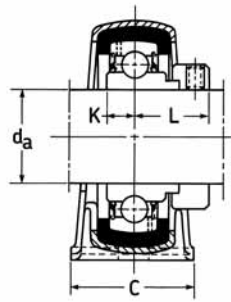
Pressed steel housing
 Rubber cartridge
 Eccentric locking
 Narrow inner ring
 Nonrelubricatable
 M-seal

Replaces: RPB, SSRPE-100

How to order SR 1 FM

Option Specify

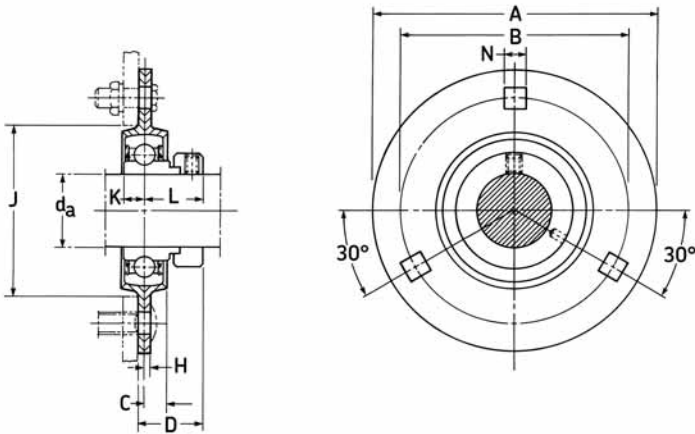
None SR 1 FM



For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Set screw size	A	B	C	D	E	H	K	L	Bolt hole dia.	Bolts (No. req'd)	Mass lb		
					in												
$\frac{1}{2}$	SR $\frac{1}{2}$ FM	YET 203-008	2150	$\frac{1}{4}$ -28	$1\frac{1}{8}$	$4\frac{9}{32}$	$1\frac{1}{8}$	$\frac{7}{32}$	$3\frac{3}{8}$	$2\frac{1}{4}$	$\frac{19}{64}$	$\frac{59}{64}$	$\frac{13}{32}$	(2)- $\frac{5}{16}$	0.6		
$\frac{5}{8}$	SR $\frac{5}{8}$ FM	YET 203-100			in												
$\frac{3}{4}$	SR $\frac{3}{4}$ FM	YET 204-012	2860	$\frac{1}{4}$ -28	$1\frac{1}{8}$	$4\frac{9}{32}$	$1\frac{1}{8}$	$\frac{7}{32}$	$3\frac{3}{8}$	$2\frac{1}{4}$	$\frac{19}{64}$	$\frac{59}{64}$	$\frac{13}{32}$	(2)- $\frac{5}{16}$	0.7		
$\frac{13}{16}$	SR $\frac{13}{16}$ FM	YET 205-013	3150	$\frac{1}{4}$ -28	$1\frac{5}{16}$	$4\frac{7}{8}$	$1\frac{1}{4}$	$\frac{7}{32}$	$3\frac{3}{4}$	$2\frac{5}{8}$	$\frac{19}{64}$	$\frac{59}{64}$	$\frac{13}{32}$	(2)- $\frac{25}{64}$	1.0		
$\frac{7}{8}$	SR $\frac{7}{8}$ FM	YET 205-014			in												
$\frac{15}{16}$	SR $\frac{15}{16}$ FM	YET 205-015			in												
1	SR 1 FM	YET 205-100													1.0		

Consult SKF USA Inc. prior to design change or order placement.



Flangette / light duty

- F-FM**
- Pressed steel flange
- Three-bolt mounting
- Eccentric locking
- Narrow inner ring
- Nonrelubricatable
- M-seal

Replaces: RA, SSF3E-100, F3B-SLX

How to order	F 1 FM
Option	Specify
None	F 1 FM

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Set screw size											Bolts (No. req'd)	Mass lb
					A	B	C	D	H	J	K	L	N			
in			lbf		in											lb
$1/2$	F $1/2$ FM	YET 203-008	2150	$1/4$ -28	$3^{3/16}$	$4^{31/64}$	$9/32$	$4^{61/64}$	$4^{5/64}$	$1^{59/64}$	$1/4$	$7/8$	$9/32$	(3)- $15^{1/64}$	0.6	
$5/8$	F $5/8$ FM	YET 203-010			0.6											
$3/4$	F $3/4$ FM	YET 204-012	2860	$1/4$ -28	$3^{37/64}$	$2^{13/16}$	$5/16$	1	$5/64$	$2^{11/64}$	$1^{9/64}$	$5^{9/64}$	$11/32$	(3)- $5^{1/16}$	0.7	
$13/16$	F $13/16$ FM	YET 205-013	3150	$1/4$ -28	$3^{47/64}$	3	$3/8$	$1^{5/32}$	$5/64$	$2^{23/64}$	$1^{9/64}$	$5^{9/64}$	$11/32$	(3)- $5^{1/16}$	0.9	
$7/8$	F $7/8$ FM	YET 205-014			0.9											
$15/16$	F $15/16$ FM	YET 205-015			0.8											
1	F 1 FM	YET 205-100			0.8											
$1^{1/16}$	F $1^{1/16}$ FM	YET 206-101	4390	$5/16$ -24	$4^{13/32}$	$3^{9/16}$	$3/8$	$1^{5/32}$	$3/32$	$2^{51/64}$	$2^{3/64}$	$1^{3/64}$	$1^{3/32}$	(3)- $3^{3/8}$	1.4	
$1^{1/8}$	F $1^{1/8}$ FM	YET 206-102			1.4											
$1^{3/16}$	F $1^{3/16}$ FM	YET 206-103			1.3											
$1^{1/4}$	F $1^{1/4}$ AFM	YET 206-104			1.3											
$1^{1/4}$	F $1^{1/4}$ FM	YET 207-104	5740	$3/8$ -24	$4^{51/64}$	$3^{15/16}$	$2^{5/64}$	$1^{1/4}$	$3/32$	$3^{3/16}$	$3/8$	$1^{5/32}$	$7/16$	(3)- $2^{5/64}$	1.9	
$1^{5/16}$	F $1^{5/16}$ FM	YET 207-105			1.9											
$1^{3/8}$	F $1^{3/8}$ FM	YET 207-106			1.8											
$1^{7/16}$	F $1^{7/16}$ FM	YET 207-107			1.7											

Ball bearing units

Flangette / light duty

FT-FM

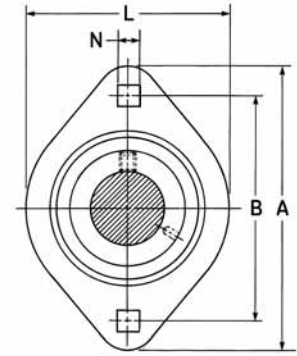
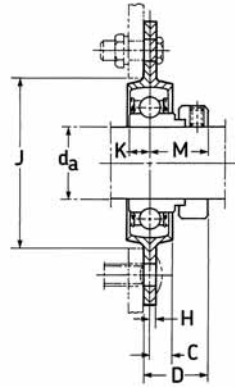
Pressed steel flange
Two-bolt mounting
Eccentric locking
Narrow inner ring
Nonrelubricatable
M-seal

Replaces: RAT, SSF2E100, F2B-SLX

How to order FT 1 FM

Option Specify

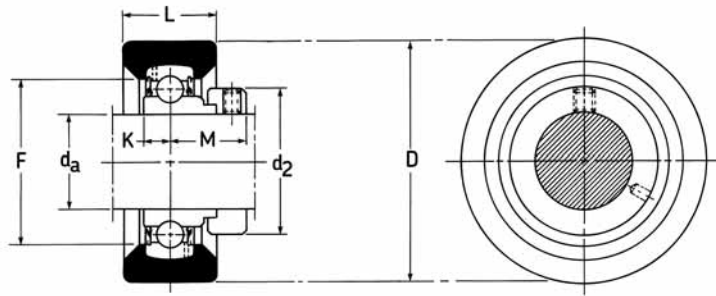
None FT 1 FM



For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Set screw size											Bolts (No. req'd)	Mass lb	
					A	B	C	D	H	J	K	L	M	N			
1/2	FT 1/2 FM	YET 203-008	2150	1/4-28	3 3/16	2 1/2	9/32	6 1/64	1 3/32	1 59/64	1/4	2 5/16	7/8	5/64	(2)-1/4	0.5	
5/8	FT 5/8 FM	YET 203-010			3 9/16	2 13/16	5/16	1	5/64	2 11/64	1 9/64	2 5/8	5 9/64	5/64	(2)-5/16	0.6	
13/16	FT 13/16 FM	YET 205-013	3150	1/4-28	3 3/4	3	1 1/32	1	5/64	2 23/64	1 9/64	2 5 1/64	5 9/64	1 1/32	(2)-5/16	0.7	
7/8	FT 7/8 FM	YET 205-014			4 1/8	3 1/2	5/8	1 1/8	5/64	2 29/64	1 13/64	2 7/8	5 9/64	1 1/32	(2)-5/16	0.7	
15/16	FT 15/16 FM	YET 205-015			4 3/8	3 7/8	5/8	1 1/4	5/64	2 35/64	1 17/64	3	2 11/8	5 9/64	1 1/32	(2)-5/16	0.7
1	FT 1 FM	YET 205-100			4 7/8	4	5/8	1 1/2	5/64	2 41/64	1 21/64	3 1/8	2 13/8	5 9/64	1 1/32	(2)-5/16	0.6
1 1/16	FT 1 1/16 FM	YET 206-101	4390	5/16-24	4 7/16	3 9/16	1 1/32	1 5/32	7/64	2 5 1/64	2 3/64	3 5/16	1 3/64	1 3/32	(2)-25/64	1.1	
1 1/8	FT 1 1/8 FM	YET 206-102			4 11/16	3 11/16	1 1/8	1 9/32	7/64	2 11/64	2 11/64	3 1/8	1 3/64	1 3/32	(2)-25/64	1.1	
1 3/16	FT 1 3/16 FM	YET 206-103			4 13/16	3 13/16	1 1/8	1 13/32	7/64	2 15/64	2 15/64	3 1/8	1 3/64	1 3/32	(2)-25/64	1.0	
1 1/4	FT 1 1/4 AFM	YET 206-104			4 15/16	3 15/16	1 1/8	1 17/32	7/64	2 19/64	2 19/64	3 1/8	1 3/64	1 3/32	(2)-25/64	0.9	

Rubber cartridge / light duty



- R-FM**
- Rubber cartridge
- Eccentric locking
- Narrow inner ring
- Nonrelubricatable
- M-seal

Replaces: RCSM

How to order	R 1 FM
Option	Specify
None	R 1 FM

For bearing information see page 275; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Set screw size	D	d_2	F	K	L	M	Mass
$1/2$	R $1/2$ FM	YET 203-008	2150	$1/4$ -28	$2^{17/32}$	$1^{1/8}$	$1^{3/8}$	$1/4$	1	$7/8$	0.5
$5/8$	R $5/8$ FM	YET 203-010									0.3
$3/4$	R $3/4$ FM	YET 204-012	2860	$1/4$ -28	$2^{17/32}$	$1^{19/64}$	$1^{9/16}$	$19/64$	1	$59/64$	0.5
$13/16$	R $13/16$ FM	YET 205-013	3150	$1/4$ -28	$2^{17/32}$	$1^{15/32}$	$1^{25/32}$	$19/64$	1	$59/64$	0.6
$7/8$	R $7/8$ FM	YET 205-014									0.6
$15/16$	R $15/16$ FM	YET 205-015									0.6
1	R 1 FM	YET 205-100									0.5
$1^{1/16}$	R $1^{1/16}$ FM	YET 206-101	4390	$5/16$ -24	$3^{3/32}$	$1^{47/64}$	$2^{9/64}$	$23/64$	$1^{3/16}$	$1^{3/64}$	0.7
$1^{1/8}$	R $1^{1/8}$ FM	YET 206-102									0.7
$1^{3/16}$	R $1^{3/16}$ FM	YET 206-103									0.7
$1^{1/4}$	R $1^{1/4}$ FM	YET 206-104									0.7

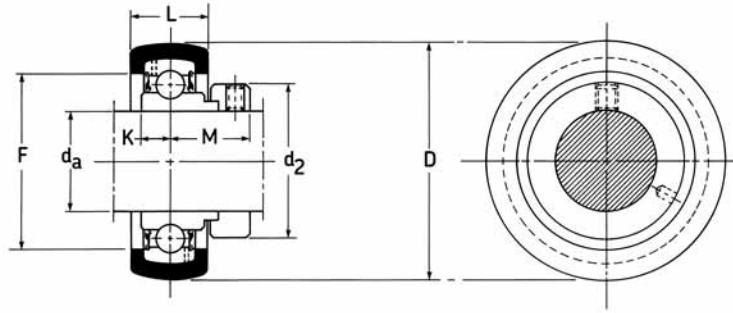
Ball bearing units

Rubber cartridge / light duty

G-FM

Rubber cartridge
Eccentric locking
Narrow inner ring
Nonrelubricatable
M-seal

Replaces: RARB



How to order **G 1 FM**

Option Specify

None G 1 FM

For bearing information see page 275; for seal speed limits see page 242.

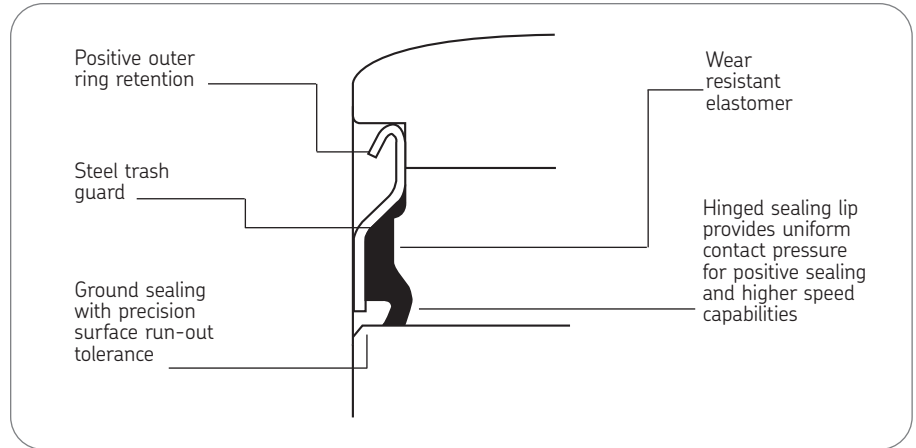
Shaft dia. d_a	Pillow block designation	Bearing designation	Dynamic capacity C	Set screw size	D	d_2	F	K	L	M	Mass
$3/4$	G $3/4$ FM	YET 204-012	2860	$1/4-28$	$2^{1/16}$	$1^{19/64}$	$1^{39/64}$	$1^{9/64}$	$1^{11/16}$	$5^{9/64}$	0.5
$13/16$	G $13/16$ FM	YET 205-013	3150	$1/4-28$	$2^{29/64}$	$1^{15/32}$	$1^{13/16}$	$1^{9/64}$	$2^{5/32}$	$5^{9/64}$	0.6
$7/8$	G $7/8$ FM	YET 205-014									0.6
$15/16$	G $15/16$ FM	YET 205-015									0.6
1	G 1 FM	YET 205-100									0.5

Wide inner ring ball bearings

The basic protection

M seal

- The pressed steel washer or guard forms a narrow gap with the cylindrical surface of the inner ring shoulder providing protection against larger contaminants.
- A synthetic rubber lip is bonded to a pressed steel washer. This provides protection against small contaminants. It also retains the grease and allows for grease purging.



Long life grease

The new SKF standard grease is a high quality grease that contains a lithium/calcium complex soap.

Properties

- High level of mechanical stability even in the most severe conditions
- Very good extreme pressure and anti-wear properties
- Very good water resistance
- Very good anti-rust and anti-corrosion protection
- Exceptional characteristics at both high and low temperatures

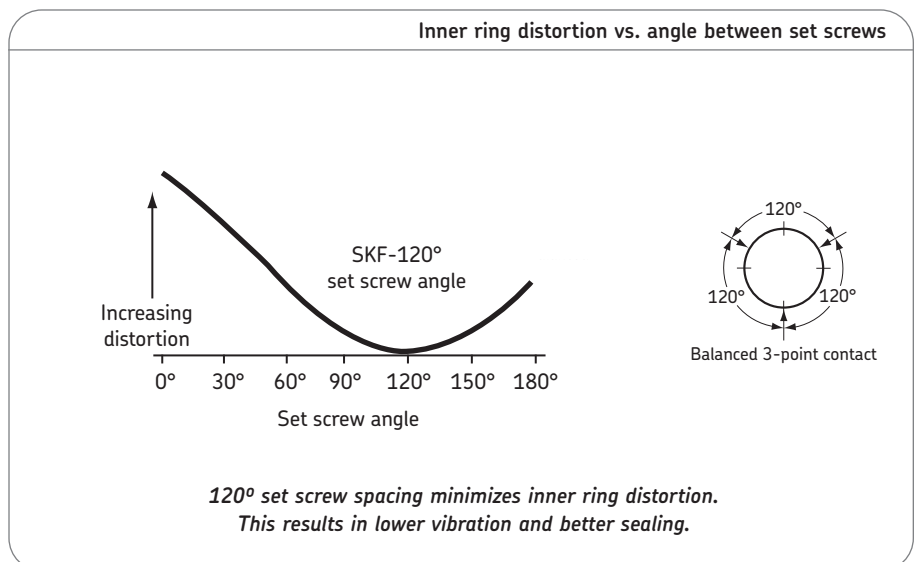
Grease characteristics

Base	Lithium-Calcium
Application temperature	-4° to 248° F (-20° to 120° C)
NLGI	2
Viscosity at 100° F (40° C)	900 SUS (190 cSt)
Dropping point	389° F

Locking methods

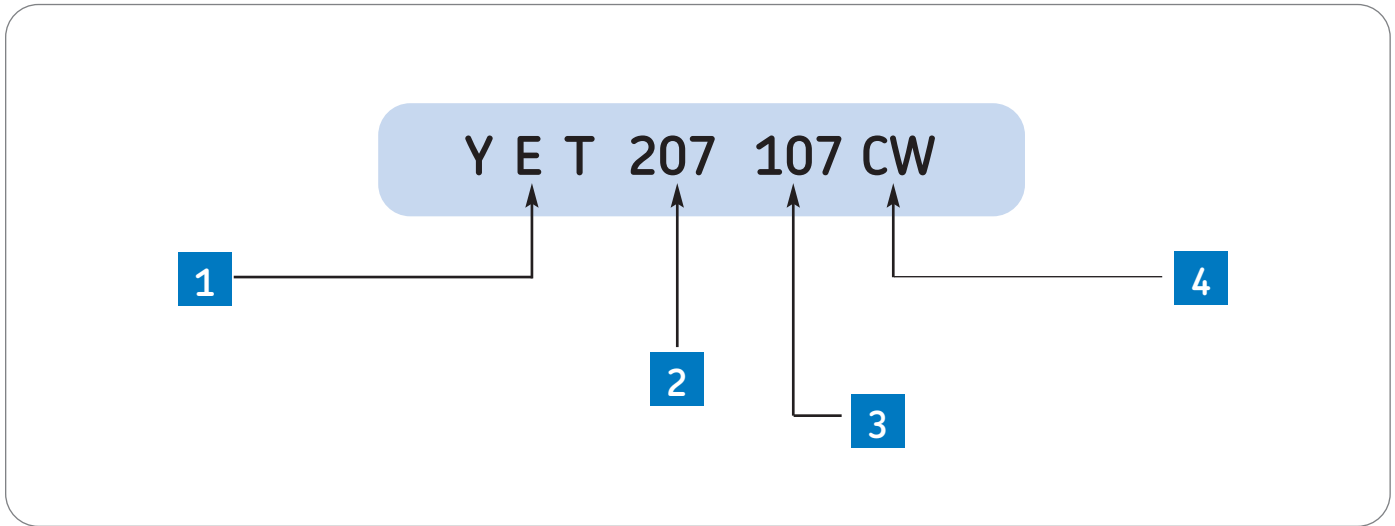
Shaft locking methods

Set screw locking features two set screws 120° apart. This placement of the set screws maximizes holding power while minimizing inner ring distortion. Other factors such as: zone hardening of the bearing inner ring, drilling and tapping after heat treat, proper screw length, a knurled cup point set screw and forged set screw socket have been incorporated to further enhance holding power and vibration resistance (backout).



Ball bearing units

Nomenclature Wide inner ring ball bearings



1. Bearing type:

YET	Narrow inner ring, eccentric lock
YEL	Wide inner ring, eccentric lock
YAR	Wide inner ring, set screw lock
YAT	Narrow inner ring, set screw lock
1726	Standard inner ring, no set screws, press fit required

2. Basic bearing size:

3. Bore size:

Example: 107 is 1⁷/₁₆

4. Suffix:

C	Cylindrical O.D.
W	Nonrelubricatable bearing, no lube holes in outer ring
G	Groove in outer ring (opposite locking side)
GR	Groove in outer ring (on locking side)
-2F	Bearing with two flingers
-2RF	Bearing with two multi-function seals
U	No locking collar

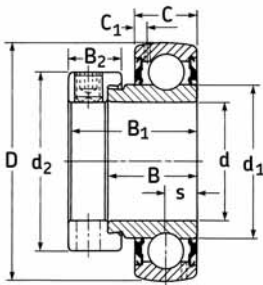
Competitor comparison:

Description	SKF	Dodge	Sealmaster	Torrington/Fafnir	Linkbelt
Insert bearing	YAT 2XX-XXX	VSC	V	GYAXXRRB	SG2XXEL
Pillow block	SY - RM	VSC	VP	SAS	P3-S2--E
4-bolt flange	FY - RM	VSC	VF	SCJ	F3-S2--E
2-bolt flange	FYT - RM	VSC	VFT	SCJT	FX3-2--E

Spherical O.D. / standard duty

YET
Spherical O.D.
Eccentric locking
Narrow inner ring
Relubricatable
M-seal

Replaces: GRA-RRB, WG200UL



How to order	YET 205-100
Option	Specify
No collar	YET 205-100U
Nonrelubricatable	YET 205-100W
Lube groove	YET 205-100G
Lube groove (collar side)	YET 205-100GR

For seal speed limits see page 242.

Designation	Load ratings													Min. fillet radius	Set screw size	Mass
	C ⁽¹⁾	C ₀	B	B ₁	B ₂	C	C ₁	D	d	d ₁	d ₂	s				
	lbf		in			mm	in	mm	in	mm	in	in	in				lb
YET 203-008 YET 203-010 YET 203	2150	1070	3/4	1 1/8	1 7/32	12	3/32	40	1/2 5/8	17	6 1/64	1 5/64	1/4	0.012	1/4-28 x 1/4	0.28 0.24 0.24
YET 204-012 YET 204	2860	1470	2 7/32	1 7/32	1 7/32	14	3/32	47	3/4	20	1 7/64	1 9/32	1 9/64	0.024	1/4-28 x 1/4	0.37 0.35
YET 205-013 YET 205-014 YET 205-015 YET 205-100 YET 205	3150	1750	2 7/32	1 7/32	1 7/32	15	1/8	52	13/16 7/8 15/16 1	25	1 2 1/64	1 15/32	1 9/64	0.024	1/4-28 x 1/4	0.49 0.47 0.43 0.41 0.41
YET 206-101 YET 206-102 YET 206-103 YET 206-104 YET 206	4390	2520	1 5/16	1 13/32	5/8	18	5/32	62	1 1/16 1 1/8 1 3/16 1 1/4	30	1 9/16	1 4 7/64	2 3/64	0.024	5/16-24 x 5/16	0.75 0.71 0.66 0.62 0.68
YET 207-104 YET 207-105 YET 207-106 YET 207-107 YET 207	5740	3440	1	1 17/32	1 11/16	19	5/32	72	1 1/4 1 3/8 1 3/8 1 7/16	35	1 13/16	2 1/64	3/8	0.039	3/8-24 x 3/8	1.09 1.13 1.06 0.94 0.98
YET 208-108 YET 208	6910	4270	1 3/16	1 23/32	2 3/32	21	3/16	80	1 1/2	40	2 3/64	2 7/32	7/16	0.039	3/8-24 x 3/8	1.38 1.32
YET 209-110 YET 209-111 YET 209-112 YET 209	7470	4860	1 3/16	1 23/32	2 3/32	22	3/16	85	1 5/8 1 11/16 1 3/4	45	2 15/64	2 7/16	7/16	0.039	3/8-24 x 3/8	1.66 1.57 1.49 1.46
YET 210-115 YET 210	7900	5220	1 3/16	1 23/32	2 3/32	22	3/16	90	1 15/16	50	2 15/32	2 4 1/64	7/16	0.039	3/8-24 x 3/8	1.61 1.58
YET 211-200 YET 211-203 YET 211	9810	6520	1 9/32	1 29/32	1 3/16	25	7/32	100	2 2 3/16	55	2 23/32	2 15/16	1 5/32	0.039	7/16-20 x 7/16	2.53 2.18 2.21
YET 212-204 YET 212-207	11900	8090	1 15/32	2 3/32	7/8	26	7/32	110	2 1/4 2 7/16		2 63/64	3 1/4	1 7/32	0.06	7/16-20 x 7/16	2.81 2.81

(1) If bearings are mounted on shafts with interference fits, then C values may be multiplied by 1.3.

Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Spherical O.D. / standard duty

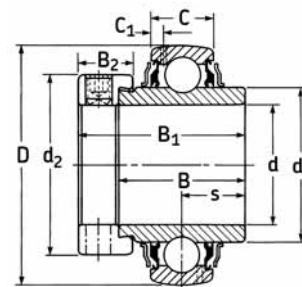
YEL-2F

Spherical O.D.
Eccentric locking
Wide inner ring
Relubricatable
M-seal & flingers

Replaces: G-KRRB, YG200NL

How to order	YEL 205-1002F
Option	Specify
No collar	YEL 205-100-2U
Nonrelubricatable	YEL 205-100-2FW
Lube groove	YEL 205-100-2FG
Lube groove (collar side)	YEL 205-100-2FGR
Multi-function seal	YEL 205-100-2RF

For seal speed limits see page 242.



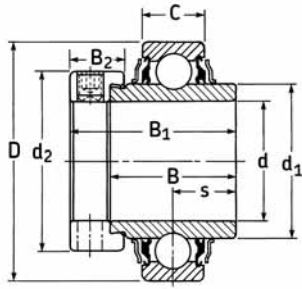
Designation	Load ratings		B	B ₁	B ₂	C	C ₁	D	d	d ₁	d ₂	s	Min. fillet radius	Set screw size	Mass	
	C	C ₀														
	lbf		in			mm	in	mm	in	mm	in	in	in		lb	
YEL 204-012-2F YEL 204-2F	2860	1470	1 ¹¹ / ₃₂	1 ²³ / ₃₂	17/ ₃₂	14	7/ ₆₄	47	3/ ₄							0.45
										20	1 ⁷ / ₆₄	1 ⁹ / ₃₂	4 ³ / ₆₄	0.024	1/4-28 x 1/4	
YEL 205-013-2F YEL 205-014-2F YEL 205-015-2F YEL 205-100-2F YEL 205-2F	3150	1750	1 ³ / ₈	1 ³ / ₄	17/ ₃₂	15	1/ ₈	52	13/ ₁₆ 7/ ₈ 15/ ₁₆ 1							0.50 0.54 0.51 0.52
										25	1 ²¹ / ₆₄	1 ¹⁵ / ₃₂	11/ ₁₆	0.024	1/4-28 x 1/4	
YEL 206-101-2F YEL 206-102-2F YEL 206-103-2F YEL 206-104-2F YEL 206-2F	4390	2520	1 ⁷ / ₁₆	1 ²⁹ / ₃₂	5/ ₈	18	5/ ₃₂	62	11/ ₁₆ 1 ¹ / ₈ 13/ ₁₆ 1 ¹ / ₄							0.85 0.79 0.73 0.81
										30	1 ⁹ / ₁₆	1 ⁴⁷ / ₆₄	2 ³ / ₃₂	0.024	5/16-24 x 5/16	
YEL 207-104-2F YEL 207-105-2F YEL 207-106-2F YEL 207-107-2F YEL 207-2F	5740	3440	1 ³¹ / ₆₄	2 ¹ / ₆₄	11/ ₁₆	19	9/ ₆₄	72	1 ¹ / ₄ 15/ ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆							1.31 1.30 1.21 1.11 1.16
										35	1 ¹³ / ₁₆	2 ¹ / ₆₄	4 ⁷ / ₆₄	0.039	3/8-24 x 3/8	
YEL 208-108-2F YEL 208-2F	6910	4270	1 ¹¹ / ₁₆	2 ⁷ / ₃₂	2 ³ / ₃₂	21	11/ ₆₄	80	1 ¹ / ₂							1.61 1.54
										40	2 ³ / ₆₄	2 ⁷ / ₃₂	2 ⁷ / ₃₂	0.039	3/8-24 x 3/8	
YEL 209-110-2F YEL 209-111-2F YEL 209-112-2F YEL 209-2F	7470	4860	1 ¹¹ / ₁₆	2 ⁷ / ₃₂	2 ³ / ₃₂	22	3/ ₁₆	85	1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄							1.92 1.86 1.74 1.72
										45	2 ¹⁵ / ₆₄	2 ⁷ / ₁₆	2 ⁷ / ₃₂	0.039	3/8-24 x 3/8	
YEL 210-115-2F YEL 210-2F	7900	5220	1 ¹⁵ / ₁₆	2 ¹⁵ / ₃₂	2 ³ / ₃₂	22	3/ ₁₆	90	1 ¹⁵ / ₁₆							2.02 1.98
										50	2 ¹⁵ / ₃₂	2 ⁴¹ / ₆₄	3 ¹ / ₃₂	0.039	3/8-24 x 3/8	
YEL 211-200-2F YEL 211-203-2F YEL 211-2F	9810	6520	2 ³ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₁₆	25	7/ ₃₂	100	2 2 ³ / ₁₆							2.76 2.73 2.85
										55	2 ²³ / ₃₂	2 ¹⁵ / ₁₆	1 ³ / ₃₂	0.039	7/16-20 x 7/16	
YEL 212-204-2F YEL 212-207-2F YEL 212-2F	11900	8090	2 ²⁹ / ₆₄	3 ¹ / ₁₆	7/ ₈	26	7/ ₃₂	110	2 ¹ / ₄ 2 ⁷ / ₁₆							4.12 3.51 3.64
										60	2 ⁶³ / ₆₄	3 ¹ / ₄	1 ⁷ / ₃₂	0.059	7/16-20 x 7/16	
YEL 215-215-2F	14900	11000	2 ¹⁵ / ₁₆	3 ⁵ / ₈	1 ⁵ / ₁₆	29	1/ ₄	130	2 ¹⁵ / ₁₆							5.77
											3 ⁵ / ₈	3 ¹⁵ / ₁₆	1 ¹⁵ / ₃₂	0.059	7/16-20 x 7/16	

Consult SKF USA Inc. prior to design change or order placement.

Cylindrical O.D. / standard duty

YEL-2FCW
 Cylindrical O.D.
 Eccentric locking
 Wide inner ring
 Nonrelubricatable
 M-seal

Replaces: KRR, YB200NL



How to order	YEL 205-100-2FCW
Option	Specify
No collar	YEL 205-100-2FCWU
Relubricatable	YEL 205-100-2FC
Multi-function seal	YEL 205-100-2RFCW

For seal speed limits see page 242.

Designation	Load ratings											Min. fillet radius	Set screw size	Mass
	C	C ₀	B	B ₁	B ₂	C	D	d	d ₁	d ₂	s			
	lbf		in			mm	mm	in	in		in				lb
YEL 204-012-2F CW	2860	1470	1 ¹¹ / ₃₂	1 ²³ / ₃₂	1 ⁷ / ₃₂	14	47	3/4	1 ⁷ / ₆₄	1 ⁹ / ₃₂	4 ³ / ₆₄	0.024	1/4-28 x 1/4	0.45
YEL 205-013-2F CW								1 ¹³ / ₁₆						0.62
YEL 205-014-2F CW	3150	1750	1 ³ / ₈	1 ³ / ₄	1 ⁷ / ₃₂	15	52	7/8	1 ²¹ / ₆₄	1 ¹⁵ / ₃₂	1 ¹¹ / ₁₆	0.024	1/4-28 x 1/4	0.50
YEL 205-015-2F CW								1 ¹⁵ / ₁₆						0.54
YEL 205-100-2F CW								1						0.51
YEL 206-101-2F CW								1 ¹ / ₁₆						0.90
YEL 206-102-2F CW	4390	2520	1 ⁷ / ₁₆	1 ²⁹ / ₃₂	5/8	18	62	1 ¹ / ₈	1 ⁹ / ₁₆	1 ⁴⁷ / ₆₄	2 ³ / ₃₂	0.024	5/16-24 x 5/16	0.85
YEL 206-103-2F CW								1 ³ / ₁₆						0.79
YEL 206-104-2F CW								1 ¹ / ₄						0.73
YEL 207-104-2F CW								1 ¹ / ₄						1.31
YEL 207-105-2F CW	5740	3440	1 ³¹ / ₆₄	2 ¹ / ₆₄	1 ¹¹ / ₁₆	19	72	1 ⁵ / ₁₆	1 ¹³ / ₁₆	2 ¹ / ₆₄	4 ⁷ / ₆₄	0.039	3/8-24 x 3/8	1.30
YEL 207-106-2F CW								1 ³ / ₈						1.21
YEL 207-107-2F CW								1 ⁷ / ₁₆						1.11
YEL 208-108-2F CW	6910	4270	1 ¹¹ / ₁₆	2 ⁷ / ₃₂	2 ³ / ₃₂	21	80	1 ¹ / ₂	2 ³ / ₆₄	2 ⁷ / ₃₂	2 ⁷ / ₃₂	0.039	3/8-24 x 3/8	1.61
YEL 209-110-2F CW								1 ⁵ / ₈						1.92
YEL 209-111-2F CW	7470	4860	1 ¹¹ / ₁₆	2 ⁷ / ₃₂	2 ³ / ₃₂	22	85	1 ¹¹ / ₁₆	2 ¹⁵ / ₆₄	2 ⁷ / ₁₆	2 ⁷ / ₃₂	0.039	3/8-24 x 3/8	1.86
YEL 209-112-2F CW								1 ³ / ₄						1.74
YEL 210-115-2F CW	7900	5220	1 ¹⁵ / ₁₆	2 ¹⁵ / ₃₂	2 ³ / ₃₂	22	90	1 ¹⁵ / ₁₆	2 ¹⁵ / ₃₂	2 ⁴¹ / ₆₄	3 ¹ / ₃₂	0.039	3/8-24 x 3/8	2.02
YEL 211-200-2F CW								2						2.76
YEL 211-203-2F CW	9810	6520	2 ³ / ₁₆	2 ¹³ / ₁₆	1 ¹³ / ₁₆	25	100	2 ³ / ₁₆	2 ²³ / ₃₂	2 ¹⁵ / ₁₆	1 ³ / ₃₂	0.039	7/16-20 x 7/16	2.73
YEL 212-204-2F CW								2 ¹ / ₄						4.12
YEL 212-207-2F CW	11900	8090	2 ²⁹ / ₆₄	3 ¹ / ₁₆	7/8	26	110	2 ⁷ / ₁₆	2 ⁶³ / ₆₄	3 ¹ / ₄	1 ⁷ / ₃₂	0.059	7/16-20 x 7/16	3.51

Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Spherical O.D. / standard duty

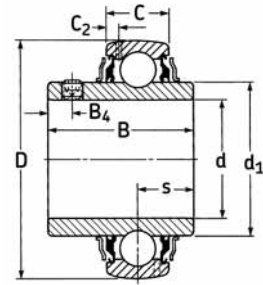
YAR-2F

Spherical O.D.
Set screw locking
Wide inner ring
Relubricatable
M-seal & flingers

Replaces: GYA-RRB, UG200NL

How to order	YAR 205-100-2F
Option	Specify
Nonrelubricatable	YAR 205-100-2FW
Lube groove	YAR 205-100-2FG
Lube groove (collar side)	YAR 205-100-2FGR
Multi-function seal	YAR 205-100-2RF

For seal speed limits see page 242.

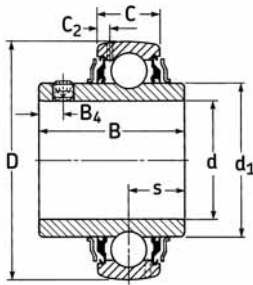


Designation	Load ratings		B	B ₄	C	C ₁	D	d	d ₁	s	Min. fillet radius	Set screw size	Mass	
	C	C ₀												
	lbf		in		mm	in	mm	in	mm	in	in		lb	
YAR 203-008-2F	2150	1070	1 ⁵ / ₆₄	0.16	12	3 ³ / ₃₂	40	1/2	17	6 ¹ / ₆₄	2 ⁹ / ₆₄	0.012	10-32 x 1/4	0.25
YAR 203-010-2F								5/8					10-32 x 1/4	0.22
YAR 203-2F														0.21
YAR 204-012-2F	2860	1470	1 ⁷ / ₃₂	0.18	14	7 ⁷ / ₆₄	47	3/4	20	1 ⁷ / ₆₄	1/2	0.024	1/4-28 x 1/4	0.34
YAR 204-2F															0.33
YAR 205-013-2F	3150	1750	1 ¹¹ / ₃₂	0.20	15	1/8	52	13 ¹³ / ₁₆	1	1 ²¹ / ₆₄	9 ⁹ / ₁₆	0.024	1/4-28 x 1/4	0.46
YAR 205-014-2F								7/8					1/4-28 x 1/4	0.48
YAR 205-015-2F								15 ¹⁵ / ₁₆					1/4-28 x 1/4	0.45
YAR 205-100-2F													1/4-28 x 1/4	0.41
YAR 205-2F								25					1/4-28 x 1/4	0.42
YAR 206-101-2F	4390	2520	1 1/2	0.20	18	5 ⁵ / ₃₂	62	1 1/16	30	1 9/16	5/8	0.024	1/4-28 x 1/4	0.75
YAR 206-102-2F								1 1/8					1/4-28 x 1/4	0.70
YAR 206-103-2F								1 3/16					1/4-28 x 1/4	0.65
YAR 206-104-2F								1 1/4					1/4-28 x 1/4	0.60
YAR 206-2F													1/4-28 x 1/4	0.66
YAR 207-104-2F	5740	3440	1 ¹¹ / ₁₆	0.24	19	9 ⁹ / ₆₄	72	1 1/4	35	1 ¹³ / ₁₆	1 ¹¹ / ₁₆	0.039	5/16-24 x 5/16	1.08
YAR 207-105-2F								1 5/8					5/16-24 x 5/16	1.02
YAR 207-106-2F								1 3/8					5/16-24 x 5/16	0.97
YAR 207-107-2F								1 7/16					5/16-24 x 5/16	0.91
YAR 207-2F													5/16-24 x 5/16	0.97
YAR 208-108-2F	6910	4270	1 ¹⁵ / ₁₆	0.31	21	1 ¹¹ / ₆₄	80	1 1/2	40	2 ³ / ₆₄	3/4	0.039	5/16-24 x 5/16	1.40
YAR 208-2F														1.31
YAR 209-110-2F	7470	4860	1 ¹⁵ / ₁₆	0.31	22	3 ³ / ₁₆	85	1 5/8	45	2 ¹⁵ / ₆₄	3/4	0.039	5/16-24 x 5/16	1.67
YAR 209-111-2F								1 11/16					5/16-24 x 5/16	1.58
YAR 209-112-2F								1 3/4					5/16-24 x 5/16	1.48
YAR 209-2F													5/16-24 x 5/16	1.45
YAR 210-115-2F	7900	5220	2 ¹ / ₃₂	0.35	22	3 ³ / ₁₆	90	1 ¹⁵ / ₁₆	50	2 ¹⁵ / ₃₂	3/4	0.039	3/8-24 x 3/8	1.70
YAR 210-2F														1.64
YAR 211-200-2F	9810	6520	2 ³ / ₁₆	0.35	25	7 ⁷ / ₃₂	100	2	55	2 ²³ / ₃₂	7/8	0.039	3/8-24 x 3/8	2.57
YAR 211-203-2F								2 3/16					3/8-24 x 3/8	2.19
YAR 211-2F														2.25
YAR 212-204-2F	11900	8090	2 ⁹ / ₁₆	0.39	26	7 ⁷ / ₃₂	110	2 1/4	60	2 ⁶³ / ₆₄	1	0.059	3/8-24 x 3/8	3.35
YAR 212-207-2F								2 7/16					3/8-24 x 3/8	2.86
YAR 212-2F														3.05
YAR 213-208-2F	12900	8990	2 ¹¹ / ₁₆	0.39	27	7 ⁷ / ₃₂	120	2 1/2	65	3 1/4	1	0.059	3/8-24 x 3/8	4.07
YAR 213-211-2F								2 11/16					3/8-24 x 3/8	3.52
YAR 213-2F														3.87
YAR 215-212-2F	14900	11000	2 ⁷ / ₈	0.47	29	1/4	130	2 3/4		3 ⁵ / ₈	1 1/16	0.059	7/16-20 x 7/16	5.32
YAR 215-215-2F								2 15/16					7/16-20 x 7/16	4.67

Consult SKF USA Inc. prior to design change or order placement.

Spherical O.D. / medium duty

YAR-2F
Spherical O.D.
Set screw locking
Wide inner ring
Relubricatable
M-seal & flingers



How to order	YAR 208-107-2F
Option	Specify
Nonrelubricatable	YAR 208-107-2FW
Lube groove	YAR 208-107-2FG
Lube groove (collar side)	YAR 208-107-2FGR
Multi-function seal	YAR 208-107-2RF

For seal speed limits see page 242.

Designation	Load ratings										Min. fillet radius	Set screw size	Mass
	C	C ₀	B	B ₄	C	C ₁	D	d	d ₁	s			
	lbf		in	in	mm	in	mm	in		in				lb
YAR 208-107-2F	6910	4270	1 ¹⁵ / ₁₆	0.31	21	11 ¹ / ₆₄	80	1 ⁷ / ₁₆	2 ³ / ₆₄	3 ³ / ₄	0.039	5 ¹⁶ / ₁₆ -24 x 5 ⁵ / ₁₆	1.48
YAR 209-108-2F	7470	4860	1 ¹⁵ / ₁₆	0.31	22	3 ³ / ₁₆	85	1 ¹ / ₂	2 ¹⁵ / ₆₄	3 ³ / ₄	0.039	5 ¹⁶ / ₁₆ -24 x 5 ⁵ / ₁₆	1.83
YAR 210-111-2F	7900	5220	2 ¹ / ₃₂	0.35	22	3 ³ / ₁₆	90	1 ¹¹ / ₁₆	2 ¹⁵ / ₃₂	3 ³ / ₄	0.039	3 ⁸ / ₁₆ -24 x 3 ³ / ₈	2.10
YAR 210-112-2F								1 ³ / ₄				3 ⁸ / ₁₆ -24 x 3 ³ / ₈	2.00
YAR 211-115-2F	9810	6520	2 ³ / ₁₆	0.35	25	7 ⁷ / ₃₂	100	1 ¹⁵ / ₁₆	2 ²³ / ₃₂	7 ⁷ / ₈	0.039	3 ⁸ / ₁₆ -24 x 3 ³ / ₈	2.69
YAR 212-203-2F	11900	8090	2 ⁹ / ₁₆	0.39	26	7 ⁷ / ₃₂	110	2 ³ / ₁₆	2 ⁶³ / ₆₄	1	0.059	3 ⁸ / ₁₆ -24 x 3 ³ / ₈	3.42
YAR 214-207-2F	14000	10100	2 ³ / ₄	0.47	28	1 ⁵ / ₆₄	125	2 ⁷ / ₁₆	3 ²⁷ / ₆₄	1 ³ / ₁₆	0.059	7 ⁷ / ₁₆ -20 x 7 ⁷ / ₁₆	5.21
YAR 214-208-2F								2 ¹ / ₂				7 ⁷ / ₁₆ -20 x 7 ⁷ / ₁₆	5.02
YAR 215-211-2F	14900	11000	2 ⁷ / ₈	0.47	29	1 ¹ / ₄	130	2 ¹¹ / ₁₆	3 ⁵ / ₈	1 ¹ / ₁₆	0.059	7 ⁷ / ₁₆ -20 x 7 ⁷ / ₁₆	5.52
YAR 216-215-2F	16400	12400	3 ¹ / ₁₆	0.47	30	1 ⁷ / ₆₄	140	2 ¹⁵ / ₁₆	3 ²⁷ / ₃₂	1 ³ / ₁₆	0.079	7 ⁷ / ₁₆ -20 x 7 ⁷ / ₁₆	6.25
YAR 216-300-2F								3				7 ⁷ / ₁₆ -20 x 7 ⁷ / ₁₆	6.00

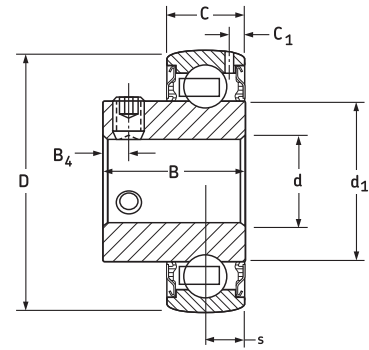
Consult SKF USA Inc. prior to design change or order placement.

Ball bearing units

Spherical O.D./ standard duty

YAT
Spherical O.D.
Set screw locking
Narrow inner ring
Relubricatable
M-seal

Replaces: GYA-RRB, V-, INS-SL



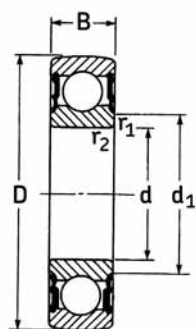
For seal speed limits see page 242.

Designation	Basic load ratings											Min. fillet radius	Set screw size	Mass
	C	C ₀	B	B ₄	C	C ₁	D	d	d ₁	s				
	lbf	lbf	in	in	mm	in	mm	in	mm	in	in				mm	in	lb
YAT 203-008 YAT 203-010 YAT 203	2150	1070	⁵ / ₆₄	0.16	12	³ / ₃₂	40	¹ / ₂ ⁵ / ₈	⁶ / ₁₆	¹ / ₄	0.01	10-32 x ¹ / ₄	0.22 0.87 0.16	
YAT 204-012 YAT 204	2860	1470	1	0.20	14	⁷ / ₆₄	47	³ / ₄ 20	¹ / ₄	⁹ / ₃₂	0.02	¹ / ₄ -28 x ¹ / ₄	0.30 0.24	
YAT 205-014 YAT 205-015 YAT 205-100 YAT 205	3150	1750	¹ / ₆₄	0.20	15	¹ / ₈	52	⁷ / ₈ ¹⁵ / ₁₆ 1	¹ / ₄	¹⁹ / ₆₄	0.02	¹ / ₄ -28 x ¹ / ₄	0.40 0.37 0.35 0.31	
YAT 206-102 YAT 206-103 YAT 206-104 YAT 206	4390	2520	¹ / ₃₂	0.27	18	⁵ / ₃₂	62	¹ / ₈ ¹ / ₁₆ ¹ / ₄ 30	¹ / ₁₆	²³ / ₆₄	0.04	⁵ / ₁₆ -24 x ⁵ / ₁₆	0.60 0.59 0.57 0.51	
YAT 207-104 YAT 207-106 YAT 207-107 YAT 207	5740	3440	¹ / ₈	0.29	19	⁹ / ₆₄	72	¹ / ₄ ¹ / ₈ ¹ / ₁₆ 35	¹ / ₁₆	³ / ₈	0.04	⁵ / ₁₆ -24 x ⁵ / ₁₆	0.95 0.85 0.79 0.68	
YAT 208-108 YAT 208	6910	4270	³⁷ / ₆₄	0.31	21	¹¹ / ₆₄	80	¹ / ₂ 40	² / ₁₆	²⁹ / ₆₄	0.04	⁵ / ₁₆ -24 x ⁵ / ₁₆	1.22 0.95	
YAT 209-110 YAT 209-111 YAT 209-112 YAT 209	7470	4860	¹ / ₈ ¹ / ₈	0.31	22	³ / ₁₆ ³ / ₁₆	85	¹ / ₈ ¹ / ₁₆ ¹ / ₄ 45	² / ₁₆ ² / ₁₆	⁷ / ₁₆ ⁷ / ₁₆	0.04	⁵ / ₁₆ -24 x ⁵ / ₁₆ ⁵ / ₁₆ -24 x ⁵ / ₁₆	1.39 1.39 1.31 1.06	
YAT 210-115 YAT 210	7900	5220	⁴⁵ / ₆₄	0.35	22	³ / ₁₆	90	¹ / ₁₆ 50	² / ₃₂	⁷ / ₁₆	0.04	³ / ₈ -24 x ³ / ₈	1.46 1.19	
YAT 211-200 YAT 211-203	9810	6520	²⁵ / ₃₂	0.35	25	⁷ / ₃₂	100	2 ² / ₁₆	² / ₃₂	³¹ / ₆₄	0.04	³ / ₈ -24 x ³ / ₈	2.20 1.88	
YAT 212-204 YAT 212-207	11900	8090	²⁹ / ₃₂	0.35	26	⁷ / ₃₂	110	² / ₄ ² / ₁₆	² / ₁₆	¹⁷ / ₃₂	0.06	³ / ₈ -24 x ³ / ₈	2.76 2.38	
YAT 215-215	14900	11000	² / ₆₄	0.37	29	¹ / ₄	130	² / ₁₆	³ / ₈	³⁷ / ₆₄	0.06	³ / ₈ -24 x ³ / ₈	3.78	

Consult SKF USA Inc. prior to design change or order placement.

Standard inner ring bearings
Spherical O.D./ standard duty

1726
Spherical O.D.
Press fit mounting
Standard inner ring
Nonrelubricatable
RS1 seal



How to order	1726205-2RS1
Option	Specify
None	1726205-2RS1

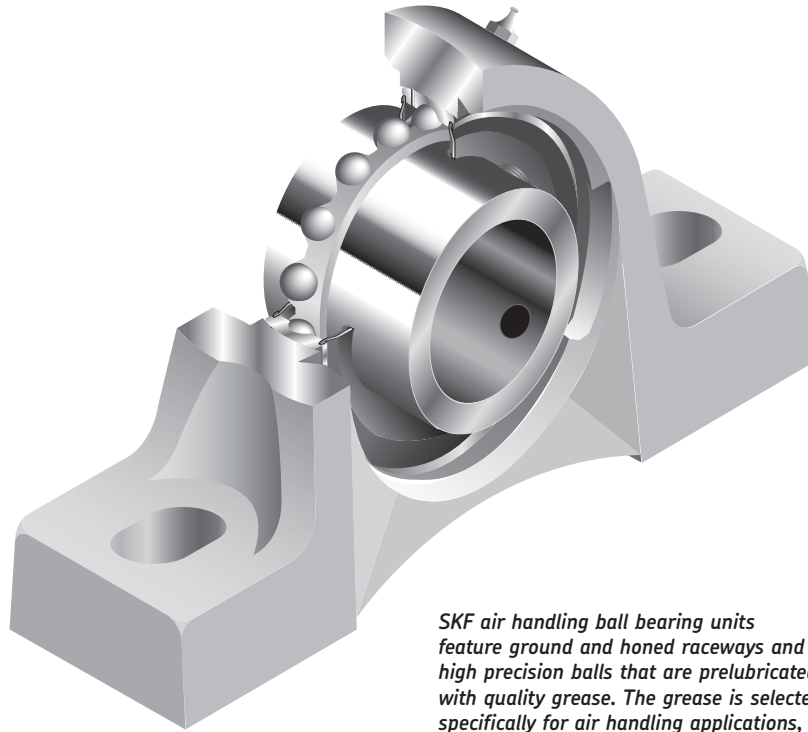
For seal speed limits see page 240.

Designation	Load ratings		B mm	D	d	$r_{1,2}$ in	Speed rating rpm	Mass lb
	C lb	C_o						
1726202-2RS1	1750	843	11.00	35	15	0.024	13000	0.09
1726203-2RS1	2150	1070	12.00	40	17	0.024	12000	0.12
1726204-2RS1	2860	1470	14.00	47	20	0.039	10000	0.21
1726205-2RS1	3150	1750	15.00	52	25	0.039	8500	0.24
1726206-2RS1	4380	2520	16.00	62	30	0.039	7500	0.40
1726207-2RS1	5730	3440	17.00	72	35	0.043	6300	0.55
1726208-2RS1	6900	4270	18.00	80	40	0.043	5600	0.70
1726209-2RS1	7460	4860	19.00	85	45	0.043	5000	0.81
1726210-2RS1	7890	5220	20.00	90	50	0.043	4800	0.90
1726211-2RS1	9800	6520	21.00	100	55	0.059	4300	1.19
1726212-2RS1	10680	7300	22.00	110	60	0.059	4000	1.65
1726213-2RS1	12360	9100	23.00	120	65	0.059	3600	N/A

Designation	Load ratings		B mm	D	d	$r_{1,2}$ in	Speed rating rpm	Mass lb
	C lb	C_o						
1726305-2RS1	5060	2610	17.00	62	25	0.043	7500	0.44
1726306-2RS1	6320	3600	19.00	72	30	0.043	6300	0.66
1726307-2RS1	7460	4270	21.00	80	35	0.059	6000	0.88
1726308-2RS1	9220	5400	23.00	90	40	0.059	5000	1.21
1726309-2RS1	11900	7080	25.00	100	45	0.059	4500	1.61
1726310-2RS1	13900	8540	27.00	110	50	0.079	4300	2.09

Consult SKF USA Inc. prior to design change or order placement.

Air handling ball bearing units



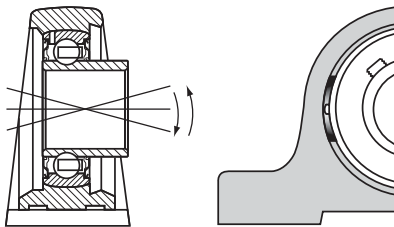
SKF air handling ball bearing units feature ground and honed raceways and high precision balls that are prelubricated with quality grease. The grease is selected specifically for air handling applications, and helps ensure long service life.

If you're responsible for designing high efficiency, quiet-running air handling equipment, then you know the importance of specifying the right bearing for the job.

The right bearing not only meets the specific performance requirements of your air handling application, but also provides exceptional value with:

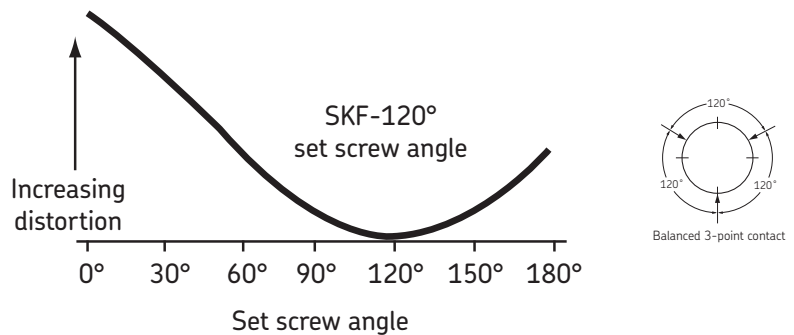
- On-time delivery
- Superior product quality
- Unsurpassed customer service
- Technical support

As the world leader in rolling bearing technology, SKF is aware of the need for superior bearing performance in air handling applications. That's why we've committed the resources and have developed special ball bearing units to meet the performance requirements of air handling applications.



Closely controlled air-handling alignment torque increases system reliability to allow operating misalignment. An anti-rotation pin ensures that the outer ring does not rotate.

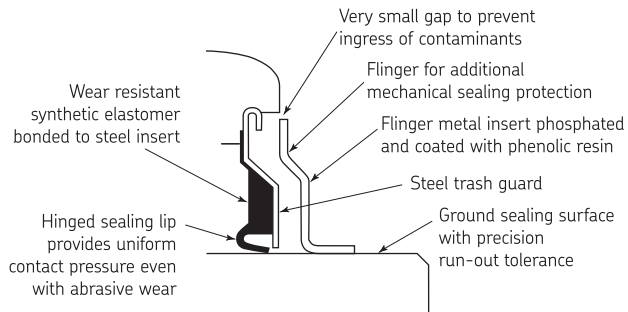
Inner ring distortion vs. angle between set screws



120° set screw spacing minimizes inner ring distortion. This results in lower vibration and better sealing.

Air handling ball bearing units

Air handling grease and sealing arrangement

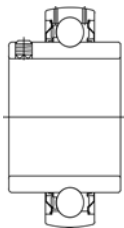


NOTE: The SKF air handling grease and sealing arrangement permit the SKF new life method to be employed to optimally select bearings for longer service life than indicated by conventional L10 life calculations. Please contact SKF Applications Engineering for assistance.

Low friction contact seals and flingers allow for high speed operation and provide superior protection from contaminants in aggressive operating environments. The seal features a land riding design and is molded of synthetic rubber.

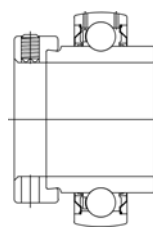
Special air handling quality grease was selected to accommodate very low start-up temperatures and a broad operating temperature range as well as wet corrosive environments.

- Start-up capability of -30°F (-4°C)
- Operating range of 0° to $+230^{\circ}\text{F}$ (-18° to $+118^{\circ}\text{C}$)
- Good water resistance and rust protection



Set screw locking (YAR, YAT)

- Accommodates reverse rotation
- Optimized set screw location
- Optimized holding power
- Minimum inner ring distortion

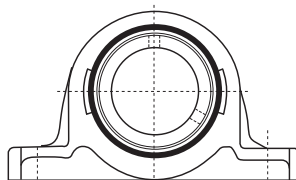


Eccentric locking (YET, YEL)

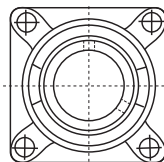
- For rotation in one direction
- Easy to dismount
- Does less damage to shaft than normal set screw lock

Unit ball shaft locking methods

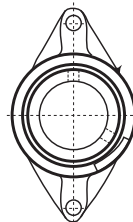
Knurled cup set screws provide superior holding power in both the set screw and eccentric locking methods.



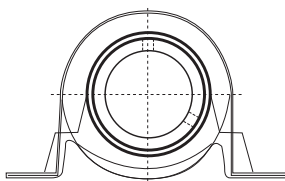
SY, SYM, SYH



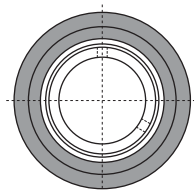
FYT, FYTM



FYT, FYM



S, SR



R, G

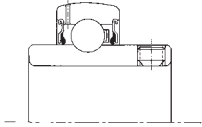


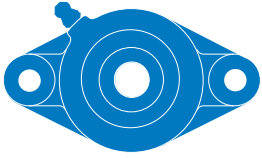
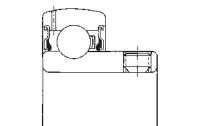
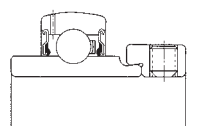
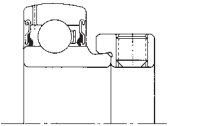
Unit ball housing styles

SKF air handling ball bearing units are available in a wide range of housing styles. These units feature powder coated epoxy paint that provides corrosion resistance superior to conventional mounted bearing housings.

SKF also offers a wide assortment of ball bearing products for air handling industry applications, including stamped steel housings (S, SR), rubber mounted cartridge bearings (R, G) and other mounted products.

Ball bearing units

Air handling arrangements

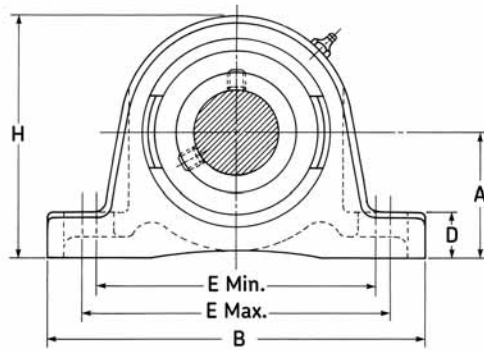
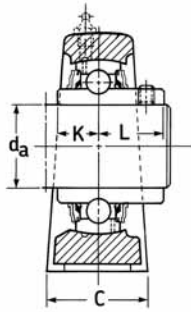
Bearing	Housing		
 <p>YAR</p>	 <p>SY</p>	 <p>FY</p>	 <p>FYT</p>
 <p>YAT</p>	<p>SY-TF/AH d 1/2 - 2¹⁵/₁₆ in</p> <p>SYM-TF/AH d 1⁷/₁₆ - 2¹⁵/₁₆ in</p>	<p>FY-TF/AH d 1/2 - 2¹⁵/₁₆ in</p> <p>FYM-TF/AH d 1⁷/₁₆ - 2¹⁵/₁₆ in</p>	<p>FYT-TF/AH d 1/2 - 2³/₁₆ in</p> <p>FYTM-TF/AH d 1⁷/₁₆ - 1¹⁵/₁₆ in</p>
 <p>YEL</p>	<p>SY-RM/AH d 1/2 - 2¹⁵/₁₆ in</p> <p>SYH-RM /AH d 1/2 - 2⁷/₁₆ in</p>	<p>FY-RM/AH d 1/2 - 2³/₁₆ in</p>	<p>FYT-RM/AH d 3/4 - 2³/₁₆ in</p>
 <p>YET</p>	<p>SY-WF/AH d 3/4 - 2⁷/₁₆ in</p> <p>SYH-WF/AH d 3/4 - 2⁷/₁₆ in</p>	<p>FY-WF/AH d 3/4 - 2⁷/₁₆ in</p>	<p>FYT-WF/AH d 3/4 - 2³/₁₆ in</p>
<p>SY-FM/AH d 3/4 - 2³/₁₆ in</p> <p>SYH-FM/AH d 1/2 - 2³/₁₆ in</p>	<p>FY-FM/AH d 1/2 - 2³/₁₆ in</p>	<p>FYT-FM/AH d 1/2 - 2³/₁₆ in</p>	

Consult SKF for availability of metric shaft sizes

**Air handling ball bearing units
Pillow block / standard duty**

SY-TF/AH

- Cast-iron housing
- Standard center height
- Set screw locking
- Wide inner ring
- M-seal & flingers
- Special aligning torque
- Anti-rotation pin
- Air handling quality grease



For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d _a	Pillow block designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
			A	B	C	D	E Min	E Max	H	K	L		
in		lbf	in										lb
1/2 5/8	SY 1/2 TF/AH	2150	1 ³ / ₁₆	5	1 ¹ / ₄	9/16	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ⁷ / ₃₂	1 ⁵ / ₃₂	5/8	(2)- ³ / ₈	1.3
	SY 5/8 TF/AH												1.2
3/4	SY 3/4 TF/AH	2860	1 ¹⁵ / ₁₆	5	1 ¹ / ₄	9/16	3 ¹⁵ / ₃₂	4 ³ / ₁₆	2 ³³ / ₆₄	1/2	2 ³ / ₃₂	(2)- ³ / ₈	1.4
13/16 7/8 15/16	SY 13/16 TF/AH*	3150	1 ⁷ / ₁₆	5 ¹ / ₈	1 ¹³ / ₃₂	5/8	3 ¹¹ / ₁₆	4 ¹¹ / ₃₂	2 ³ / ₄	9/16	2 ³ / ₃₂	(2)- ³ / ₈	1.8
	SY 7/8 TF/AH												1.8
	SY 15/16 TF/AH												1.7
1	SY 1 TF/AH												1.7
1 ¹ / ₁₆ 1 ¹ / ₈ 1 ³ / ₁₆ 1 ¹ / ₄	SY 1 ¹ / ₁₆ TF/AH*	4390	1 ¹¹ / ₁₆	6	1 ⁹ / ₁₆	2 ¹ / ₃₂	4 ¹ / ₄	5	3 ⁷ / ₃₂	5/8	7/8	(2)- ¹ / ₂	3.0
	SY 1 ¹ / ₈ TF/AH												2.9
	SY 1 ³ / ₁₆ TF/AH												2.6
	SY 1 ¹ / ₄ ATF/AH*												2.8
1 ¹ / ₄ 1 ⁵ / ₁₆ 1 ³ / ₈ 1 ⁷ / ₁₆	SY 1 ¹ / ₄ TF/AH	5740	1 ⁷ / ₈	6 ⁵ / ₁₆	1 ²⁵ / ₃₂	3/4	4 ¹¹ / ₁₆	5 ¹ / ₄	3 ²¹ / ₃₂	1 ¹ / ₁₆	1	(2)- ¹ / ₂	3.4
	SY 1 ⁵ / ₁₆ TF/AH*												3.5
	SY 1 ³ / ₈ TF/AH												3.4
	SY 1 ⁷ / ₁₆ TF/AH												3.5
1 ¹ / ₂	SY 1 ¹ / ₂ TF/AH	6910	1 ¹⁵ / ₁₆	6 ²⁹ / ₃₂	1 ²⁹ / ₃₂	3/4	4 ¹⁵ / ₁₆	5 ³ / ₄	3 ²⁹ / ₃₂	3/4	1 ³ / ₁₆	(2)- ¹ / ₂	4.2
1 ⁵ / ₈ 1 ¹¹ / ₁₆ 1 ³ / ₄	SY 1 ⁵ / ₈ TF/AH	7470	2 ¹ / ₈	7 ³ / ₈	1 ²⁹ / ₃₂	1 ³ / ₁₆	5 ⁵ / ₁₆	6	4 ⁷ / ₃₂	3/4	1 ³ / ₁₆	(2)- ¹ / ₂	5.4
	SY 1 ¹¹ / ₁₆ TF/AH												5.3
	SY 1 ³ / ₄ TF/AH												5.2
1 ¹⁵ / ₁₆	SY 1 ¹⁵ / ₁₆ TF/AH	7900	2 ¹ / ₄	8	2 ¹ / ₈	7/8	5 ⁷ / ₈	6 ¹ / ₂	4 ¹ / ₂	3/4	1 ⁹ / ₃₂	(2)- ⁵ / ₈	6.3
2 2 ³ / ₁₆	SY 2 TF/AH	9810	2 ¹ / ₂	8 ⁵ / ₈	2 ³ / ₈	1 ⁵ / ₁₆	6 ³ / ₈	7 ¹ / ₈	5	7/8	1 ⁵ / ₁₆	(2)- ⁵ / ₈	8.8
	SY 2 ³ / ₁₆ TF/AH												8.4
2 ¹ / ₄ 2 ⁷ / ₁₆	SY 2 ¹ / ₄ TF/AH	11900	2 ³ / ₄	9 ¹⁵ / ₃₂	2 ³ / ₈	1	7 ¹ / ₁₆	7 ¹⁵ / ₁₆	5 ¹ / ₂	1	1 ⁹ / ₁₆	(2)- ⁵ / ₈	10.6
	SY 2 ⁷ / ₁₆ TF/AH												10.3
2 ¹ / ₂ 2 ¹¹ / ₁₆	SY 2 ¹ / ₂ TF/AH	12900	3	10 ¹ / ₈	2 ⁹ / ₁₆	1 ⁵ / ₃₂	7 ¹⁵ / ₃₂	8 ¹ / ₂	5 ⁷ / ₈	1	1 ¹¹ / ₁₆	(2)- ³ / ₄	14.0
	SY 2 ¹¹ / ₁₆ TF/AH												12.6
2 ³ / ₄ 2 ¹⁵ / ₁₆	SY 2 ³ / ₄ TF/AH	14900	3 ¹ / ₄	11	2 ²⁷ / ₃₂	1 ⁹ / ₃₂	8	9	6 ¹⁷ / ₃₂	1 ¹ / ₁₆	1 ¹³ / ₁₆	(2)- ³ / ₄	16.5
	SY 2 ¹⁵ / ₁₆ TF/AH												16.3

Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.

* Consult SKF for availability.

Consult SKF USA Inc. prior to design change or order placement.

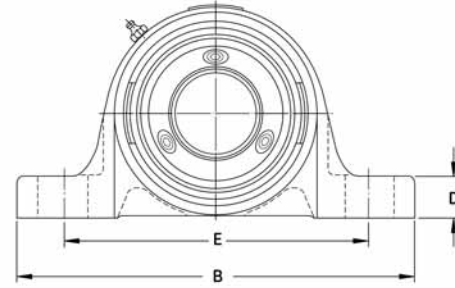
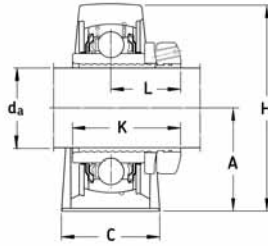
Ball bearing units

ConCentra air handling ball bearing units

Pillow block / standard duty

SY-PF/AH

- Cast-iron housing
- Standard center height
- ConCentra locking
- Wide inner ring
- M-seal & flingers
- Special aligning torque
- Anti-rotation pin
- Air handling quality grease

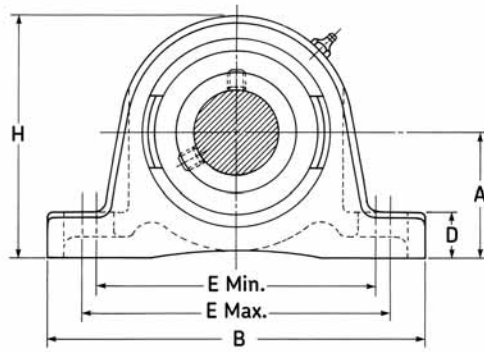
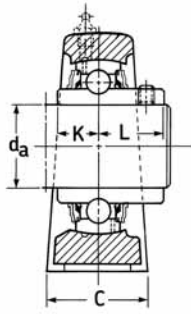


Shaft dia. d_a	Pillow block designation	Bearing designation	Bearing load rating dynamic C											Bolts (No. req'd)
				A	B	C	D	E Min	E Max	H	K	L		
in			lbf	in										
1	SY 1 PF/AH	YSP 205-100-2F/AH	3150	$1\frac{7}{16}$	$5\frac{1}{8}$	$1\frac{7}{16}$	$\frac{5}{8}$	$3\frac{11}{16}$	$4\frac{5}{16}$	$2\frac{3}{4}$	$1\frac{5}{8}$	$1\frac{1}{8}$	(2) ^{-3/8}	
$1\frac{3}{16}$	SY $1\frac{3}{16}$ PF/AH	YSP 206-103-2F/AH	4350	$1\frac{11}{16}$	6	$1\frac{9}{16}$	$\frac{5}{8}$	$4\frac{1}{4}$	5	$3\frac{1}{4}$	$1\frac{3}{4}$	$1\frac{3}{16}$	(2) ^{-1/2}	
$1\frac{1}{4}$	SY $1\frac{1}{4}$ PF/AH	YSP 207-104-2F/AH	5700	$1\frac{7}{8}$	$6\frac{5}{16}$	$1\frac{3}{4}$	$\frac{3}{4}$	$4\frac{11}{16}$	$5\frac{1}{4}$	$3\frac{11}{16}$	$1\frac{7}{8}$	$1\frac{1}{4}$	(2) ^{-1/2}	
$1\frac{3}{8}$	SY $1\frac{3}{8}$ PF/AH	YSP 207-106-2F/AH	5700	$1\frac{7}{8}$	$6\frac{5}{16}$	$1\frac{3}{4}$	$\frac{3}{4}$	$4\frac{11}{16}$	$5\frac{1}{4}$	$3\frac{11}{16}$	$1\frac{7}{8}$	$1\frac{1}{4}$	(2) ^{-1/2}	
$1\frac{7}{16}$	SY $1\frac{7}{16}$ PF/AH	YSP 207-107-2F/AH	5700	$1\frac{7}{8}$	$6\frac{5}{16}$	$1\frac{3}{4}$	$\frac{3}{4}$	$4\frac{11}{16}$	$5\frac{1}{4}$	$3\frac{11}{16}$	$1\frac{7}{8}$	$1\frac{1}{4}$	(2) ^{-1/2}	
$1\frac{1}{2}$	SY $1\frac{1}{2}$ PF/AH	YSP 208-108-2F/AH	6900	$1\frac{15}{16}$	$6\frac{7}{8}$	$1\frac{7}{8}$	$\frac{3}{4}$	$4\frac{15}{16}$	$5\frac{3}{4}$	$3\frac{7}{8}$	$2\frac{1}{16}$	$1\frac{5}{16}$	(2) ^{-1/2}	
$1\frac{11}{16}$	SY $1\frac{11}{16}$ PF/AH	YSP 209-111-2F/AH	7470	$2\frac{1}{8}$	$7\frac{3}{8}$	$1\frac{7}{8}$	$\frac{13}{16}$	$5\frac{5}{16}$	6	$4\frac{1}{4}$	2	$1\frac{3}{8}$	(2) ^{-1/2}	
$1\frac{15}{16}$	SY $1\frac{15}{16}$ PF/AH	YSP 210-115-2F/AH	7900	$2\frac{1}{4}$	8	$2\frac{1}{8}$	$\frac{7}{8}$	$5\frac{7}{8}$	$6\frac{1}{2}$	$4\frac{1}{2}$	$2\frac{1}{8}$	$1\frac{3}{8}$	(2) ^{-5/8}	
$2\frac{3}{16}$	SY $2\frac{3}{16}$ PF/AH	YSP 211-203-2F/AH	9800	$2\frac{1}{2}$	$8\frac{5}{8}$	$2\frac{3}{8}$	$\frac{15}{16}$	$6\frac{3}{8}$	$7\frac{1}{8}$	5	$2\frac{1}{4}$	$1\frac{7}{16}$	(2) ^{-5/8}	
$2\frac{7}{16}$	SY $2\frac{7}{16}$ PF/AH	YSP 212-207-2F/AH	11800	$2\frac{3}{4}$	$9\frac{1}{2}$	$2\frac{3}{8}$	1	$7\frac{1}{16}$	$7\frac{15}{16}$	$5\frac{1}{2}$	$2\frac{5}{16}$	$1\frac{1}{2}$	(2) ^{-5/8}	
$2\frac{11}{16}$	SY $2\frac{11}{16}$ PF/AH	YSP 215-211-2F/AH	14000	3	$10\frac{1}{8}$	$2\frac{9}{16}$	$1\frac{1}{8}$	$7\frac{1}{2}$	$8\frac{1}{2}$	$5\frac{7}{8}$	$2\frac{3}{8}$	$1\frac{1}{2}$	(2) ^{-3/4}	
$2\frac{15}{16}$	SY $2\frac{15}{16}$ PF/AH	YSP 215-215-2F/AH	14800	$3\frac{1}{4}$	11	$2\frac{13}{16}$	$1\frac{1}{4}$	8	9	$6\frac{1}{2}$	$2\frac{1}{2}$	$1\frac{5}{8}$	(2) ^{-3/4}	

**Air handling ball bearing units
Pillow block / standard duty**

SYH-TF/AH

- Cast-iron housing
- Low center height
- Set screw locking
- Wide inner ring
- M-seal & flingers
- Special aligning torque
- Anti-rotation pin
- Air handling quality grease



For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Dynamic capacity C										Bolts (No. req'd)	Mass lb
			A	B	C	D	E Min	E Max	H	K	L		
in		lbf	in										lb
$1/2$	SYH $1/2$ TF/AH	2150	$1^{3/16}$	5	$1^{1/4}$	$9/16$	$3^{15/32}$	$4^{3/16}$	$2^{3/32}$	$1^{5/32}$	$5/8$	(2)- $3/8$	1.3
$5/8$	SYH $5/8$ TF/AH		$1^{3/16}$	5	$1^{1/4}$	$9/16$	$3^{15/32}$	$4^{3/16}$	$2^{3/32}$	$1^{5/32}$	$5/8$		1.3
$3/4$	SYH $3/4$ TF/AH	2860	$1^{1/4}$	5	$1^{1/4}$	$1/2$	$3^{15/32}$	$4^{3/16}$	$2^{15/32}$	$1/2$	$2^{3/32}$	(2)- $3/8$	1.4
$13/16$	SYH $13/16$ TF/AH*	3150	$1^{5/16}$	$5^{1/8}$	$1^{13/32}$	$1/2$	$3^{11/16}$	$4^{11/32}$	$2^{5/8}$	$9/16$	$2^{5/32}$		(2)- $3/8$
$7/8$	SYH $7/8$ TF/AH		$1^{5/16}$	$5^{1/8}$	$1^{13/32}$	$1/2$	$3^{11/16}$	$4^{11/32}$	$2^{5/8}$	$9/16$	$2^{5/32}$	1.8	
$15/16$	SYH $15/16$ TF/AH		$1^{5/16}$	$5^{1/8}$	$1^{13/32}$	$1/2$	$3^{11/16}$	$4^{11/32}$	$2^{5/8}$	$9/16$	$2^{5/32}$	1.7	
1	SYH 1 TF/AH	3150	$1^{5/16}$	$5^{1/8}$	$1^{13/32}$	$1/2$	$3^{11/16}$	$4^{11/32}$	$2^{5/8}$	$9/16$	$2^{5/32}$	(2)- $3/8$	1.7
$1^{1/16}$	SYH $1^{1/16}$ TF/AH*	4390	$1^{9/16}$	6	$1^{9/16}$	$37/64$	$4^{1/4}$	5	$3^{3/32}$	$3^{9/64}$	$7/8$	(2)- $1/2$	3.0
$1^{1/8}$	SYH $1^{1/8}$ TF/AH		$1^{9/16}$	6	$1^{9/16}$	$37/64$	$4^{1/4}$	5	$3^{3/32}$	$3^{9/64}$	$7/8$		2.9
$1^{3/16}$	SYH $1^{3/16}$ TF/AH		$1^{9/16}$	6	$1^{9/16}$	$37/64$	$4^{1/4}$	5	$3^{3/32}$	$3^{9/64}$	$7/8$		2.9
$1^{1/4}$	SYH $1^{1/4}$ ATF/AH*		$1^{9/16}$	6	$1^{9/16}$	$37/64$	$4^{1/4}$	5	$3^{3/32}$	$3^{9/64}$	$7/8$		2.8
$1^{1/4}$	SYH $1^{1/4}$ TF/AH	5740	$1^{13/16}$	$6^{5/16}$	$1^{25/32}$	$11/16$	$4^{11/16}$	$5^{1/4}$	$3^{19/32}$	$1^{11/16}$	1	(2)- $1/2$	3.6
$1^{5/16}$	SYH $1^{5/16}$ TF/AH*		$1^{13/16}$	$6^{5/16}$	$1^{25/32}$	$11/16$	$4^{11/16}$	$5^{1/4}$	$3^{19/32}$	$1^{11/16}$	1		3.5
$1^{3/8}$	SYH $1^{3/8}$ TF/AH		$1^{13/16}$	$6^{5/16}$	$1^{25/32}$	$11/16$	$4^{11/16}$	$5^{1/4}$	$3^{19/32}$	$1^{11/16}$	1		3.5
$1^{7/16}$	SYH $1^{7/16}$ TF/AH		$1^{13/16}$	$6^{5/16}$	$1^{25/32}$	$11/16$	$4^{11/16}$	$5^{1/4}$	$3^{19/32}$	$1^{11/16}$	1		3.4
$1^{5/8}$	SYH $1^{5/8}$ TF/AH	7470	$2^{1/16}$	$7^{3/8}$	$1^{29/32}$	$1^{13/16}$	$5^{5/16}$	6	$4^{5/32}$	$3/4$	$1^{3/16}$	(2)- $1/2$	5.4
$1^{11/16}$	SYH $1^{11/16}$ TF/AH		$2^{1/16}$	$7^{3/8}$	$1^{29/32}$	$1^{13/16}$	$5^{5/16}$	6	$4^{5/32}$	$3/4$	$1^{3/16}$		5.3
$1^{3/4}$	SYH $1^{3/4}$ TF/AH		$2^{1/16}$	$7^{3/8}$	$1^{29/32}$	$1^{13/16}$	$5^{5/16}$	6	$4^{5/32}$	$3/4$	$1^{3/16}$		5.2
$1^{15/16}$	SYH $1^{15/16}$ TF/AH	7900	$2^{3/16}$	8	$2^{1/8}$	$2^{7/32}$	$5^{7/8}$	$6^{1/2}$	$4^{15/32}$	$3/4$	$1^{9/32}$	(2)- $5/8$	6.3
2	SYH 2 TF/AH	9810	$2^{7/16}$	$8^{5/8}$	$2^{3/8}$	$2^{9/32}$	$6^{3/8}$	$7^{1/8}$	5	$7/8$	$1^{5/16}$	(2)- $5/8$	8.5
$2^{3/16}$	SYH $2^{3/16}$ TF/AH		$2^{7/16}$	$8^{5/8}$	$2^{3/8}$	$2^{9/32}$	$6^{3/8}$	$7^{1/8}$	5	$7/8$	$1^{5/16}$		8.0
$2^{1/4}$	SYH $2^{1/4}$ TF/AH	11900	$2^{11/16}$	$9^{15/32}$	$2^{3/8}$	1	$7^{1/16}$	$7^{15/16}$	$5^{7/16}$	1	$1^{9/16}$	(2)- $5/8$	11.5
$2^{7/16}$	SYH $2^{7/16}$ TF/AH		$2^{11/16}$	$9^{15/32}$	$2^{3/8}$	1	$7^{1/16}$	$7^{15/16}$	$5^{7/16}$	1	$1^{9/16}$		10.4
$2^{3/4}$	SYH $2^{3/4}$ TF/AH	14915	$3^{5/16}$	11	$2^{27/32}$	$1^{5/16}$	8	9	$6^{9/16}$	$1^{1/16}$	$1^{13/16}$	(2)- $3/4$	16.3
$2^{15/16}$	SYH $2^{15/16}$ TF/AH		$3^{5/16}$	11	$2^{27/32}$	$1^{5/16}$	8	9	$6^{9/16}$	$1^{1/16}$	$1^{13/16}$		16.3

*Consult SKF for availability.

Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.

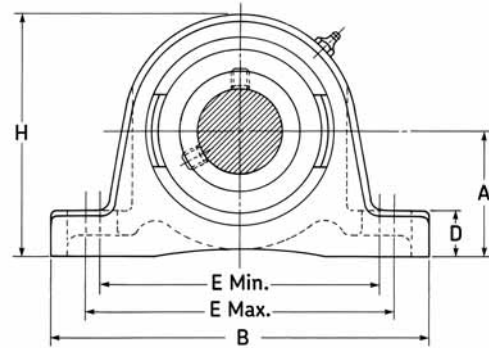
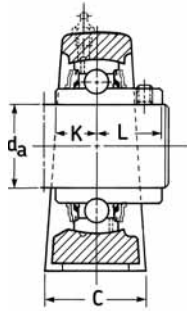
Ball bearing units

Air handling ball bearing units

Pillow block / medium duty

SYM-TF/AH

- Cast-iron housing
- Set screw locking
- Wide inner ring
- M-seal & flingers
- Special aligning torque
- Anti-rotation pin
- Air handling quality grease



For bearing information see page 276; for seal speed limits see page 242.

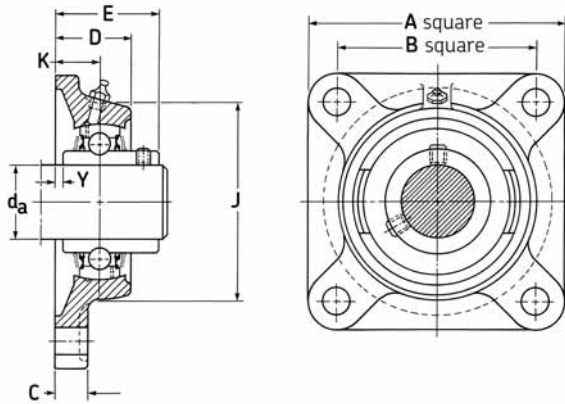
Shaft dia. d_a	Pillow block designation	Dynamic capacity C	in				E		H	K	L	Bolts (No. req'd)	Mass lb
			A	B	C	D	Min	Max					
1	SYM 1 TF/AH	4387	$1^{11}/16$	6	$1^9/16$	$2^{1}/32$	$4^{1}/4$	5	$3^7/32$	$5/8$	$7/8$	(2)- $1^1/2$	2.5
$1^3/16$	SYM $1^3/16$ TF/AH	5737	$1^7/8$	$6^5/16$	$1^{25}/32$	$3/4$	$4^{11}/16$	$5^1/4$	$3^{21}/32$	$1^{11}/16$	1	(2)- $1^1/2$	3.4
$1^7/16$	SYM $1^7/16$ TF/AH	6910	$2^1/8$	$7^3/8$	$1^3/4$	$1^3/16$	$5^5/16$	6	$4^7/32$	$3/4$	$1^3/16$	(2)- $1^1/2$	5.3
$1^1/2$	SYM $1^1/2$ TF/AH	7470	$2^1/8$	$7^3/8$	$1^{29}/32$	$1^3/16$	$5^5/16$	6	$4^7/32$	$3/4$	$1^3/16$	(2)- $1^1/2$	5.6
$1^{11}/16$	SYM $1^{11}/16$ TF/AH	7900	$2^1/4$	8	$2^1/8$	$7/8$	$5^7/8$	$6^1/2$	$4^1/2$	$3/4$	$1^9/32$	(2)- $5^8/8$	7.0 6.7
$1^3/4$	SYM $1^3/4$ TF/AH												
$1^{15}/16$	SYM $1^{15}/16$ TF/AH	9810	$2^1/2$	$8^5/8$	$2^3/8$	$1^15/16$	$6^3/8$	$7^1/8$	5	$7/8$	$1^5/16$	(2)- $5^8/8$	8.8
$2^3/16$	SYM $2^3/16$ TF/AH	11900	$2^3/4$	$9^{15}/32$	$2^3/8$	1	$7^1/16$	$7^{15}/16$	$5^1/2$	1	$1^9/16$	(2)- $5^8/8$	11.7
$2^3/16$	SYMH $2^3/16$ TF/AH	11855	$2^{11}/16$	$9^{15}/32$	$2^3/8$	1	$7^1/16$	$7^{15}/16$	$5^7/16$	1	$1^9/16$	(2)- $5^8/8$	10.3
$2^7/16$	SYM $2^7/16$ TF/AH	14000	3	$10^{15}/64$	$2^9/16$	$1^{17}/32$	$7^1/2$	$8^1/2$	$6^1/32$	$1^3/16$	$1^9/16$	(2)- $3^4/4$	15.0 15.4
$2^1/2$	SYM $2^1/2$ TF/AH												
$2^{11}/16$	SYM $2^{11}/16$ TF/AH	14900	$3^1/2$	12	3	$1^55/64$	$8^1/2$	$9^1/2$	$6^{17}/32$	$1^1/16$	$1^{13}/16$	(2)- $3^4/4$	23.8
$2^{15}/16$	SYM $2^{15}/16$ TF/AH	16400	$3^1/2$	12	$3^1/16$	$1^7/8$	$8^1/2$	$9^1/2$	$6^{31}/32$	$1^3/16$	$1^7/8$	(2)- $3^4/4$	22.8 22.4
3	SYM 3 TF/AH												

Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.

Air handling ball bearing units
Flange / standard duty

FY-TF/AH

- Cast-iron flange
- Four-bolt mounting
- Set screw locking
- Wide inner ring
- M-seal & flingers
- Special aligning torque
- Anti-rotation pin
- Air handling quality grease



For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Dynamic capacity C	A	B	C	D	E	J	K	Y	Bolts (No. req'd)	Mass lb
in		lbf	in									
$\frac{1}{2}$ $\frac{5}{8}$	FY $\frac{1}{2}$ TF/AH FY $\frac{5}{8}$ TF/AH	2150	3	$2\frac{1}{8}$	$\frac{25}{64}$	$\frac{59}{64}$	$\frac{17}{32}$	$2\frac{1}{8}$	$\frac{37}{64}$	$\frac{1}{8}$	(4)- $\frac{3}{8}$	1 1
$\frac{3}{4}$	FY $\frac{3}{4}$ TF/AH	2860	$3\frac{3}{8}$	$2\frac{1}{2}$	$\frac{7}{16}$	$\frac{15}{32}$	$\frac{15}{32}$	$2\frac{31}{64}$	$\frac{3}{4}$	$\frac{1}{4}$	(4)- $\frac{3}{8}$	1.3
$\frac{13}{16}$ $\frac{7}{8}$ $\frac{15}{16}$ 1	FY $\frac{13}{16}$ TF/AH* FY $\frac{7}{8}$ TF/AH FY $\frac{15}{16}$ TF/AH FY 1 TF/AH	3150	$3\frac{3}{4}$	$2\frac{3}{4}$	$\frac{15}{32}$	$\frac{13}{16}$	$\frac{17}{32}$	$2\frac{51}{64}$	$\frac{3}{4}$	$\frac{3}{16}$	(4)- $\frac{7}{16}$	1.9 1.9 2 1.7
$\frac{1\frac{1}{16}}$ $\frac{1\frac{1}{8}}$ $\frac{1\frac{3}{16}}$ $\frac{1\frac{1}{4}}$	FY $\frac{1\frac{1}{16}}$ TF/AH* FY $\frac{1\frac{1}{8}}$ TF/AH FY $\frac{1\frac{3}{16}}$ TF/AH FY $\frac{1\frac{1}{4}}$ ATF/AH*	4390	$4\frac{1}{4}$	$3\frac{1}{4}$	$\frac{33}{64}$	$\frac{19}{32}$	$\frac{21}{32}$	$3\frac{19}{64}$	$\frac{25}{32}$	$\frac{5}{32}$	(4)- $\frac{7}{16}$	2.7 2.5 2.4 2.7
$\frac{1\frac{1}{4}}$ $\frac{1\frac{5}{16}}$ $\frac{1\frac{3}{8}}$ $\frac{1\frac{7}{16}}$	FY $\frac{1\frac{1}{4}}$ TF/AH FY $\frac{1\frac{5}{16}}$ TF/AH* FY $\frac{1\frac{3}{8}}$ TF/AH FY $\frac{1\frac{7}{16}}$ TF/AH	5740	$4\frac{41}{64}$	$3\frac{5}{8}$	$\frac{33}{64}$	$\frac{123}{64}$	$\frac{153}{64}$	$3\frac{47}{64}$	$\frac{53}{64}$	$\frac{9}{64}$	(4)- $\frac{1}{2}$	3.2 3.6 3.5 3
$1\frac{1}{2}$	FY $1\frac{1}{2}$ TF/AH	6910	$5\frac{1}{8}$	4	$\frac{35}{64}$	$\frac{133}{64}$	$\frac{29}{64}$	$4\frac{11}{64}$	$\frac{15}{16}$	$\frac{13}{64}$	(4)- $\frac{1}{2}$	4.3
$\frac{1\frac{5}{8}}$ $\frac{1\frac{11}{16}}$ $\frac{1\frac{3}{4}}$	FY $\frac{1\frac{5}{8}}$ TF/AH FY $\frac{1\frac{11}{16}}$ TF/AH FY $\frac{1\frac{3}{4}}$ TF/AH	7470	$5\frac{25}{64}$	$4\frac{1}{8}$	$\frac{35}{64}$	$\frac{17}{32}$	$\frac{29}{64}$	$4\frac{13}{32}$	$\frac{15}{16}$	$\frac{13}{64}$	(4)- $\frac{9}{16}$	4.8 4.8 4.7
$1\frac{15}{16}$	FY $1\frac{15}{16}$ TF/AH	7900	$5\frac{5}{8}$	$4\frac{3}{8}$	$\frac{19}{32}$	$\frac{111}{16}$	$\frac{25}{64}$	$4\frac{41}{64}$	$\frac{17}{64}$	$\frac{23}{64}$	(4)- $\frac{9}{16}$	5.3
2 $\frac{2\frac{3}{16}}$	FY 2 TF/AH FY $\frac{2\frac{3}{16}}$ TF/AH	9810	$6\frac{3}{8}$	$5\frac{1}{8}$	$\frac{5}{8}$	$\frac{17}{8}$	$\frac{235}{64}$	$5\frac{9}{32}$	$\frac{17}{32}$	$\frac{11}{32}$	(4)- $\frac{5}{8}$	7.9 7.5
$\frac{2\frac{1}{4}}$ $\frac{2\frac{7}{16}}$	FY $\frac{2\frac{1}{4}}$ TF/AH FY $\frac{2\frac{7}{16}}$ TF/AH	11900	$6\frac{7}{8}$	$5\frac{5}{8}$	$\frac{43}{64}$	$\frac{23}{64}$	$\frac{29}{32}$	$5\frac{5}{8}$	$\frac{111}{32}$	$\frac{11}{32}$	(4)- $\frac{5}{8}$	9.6 9
$\frac{2\frac{1}{2}}$ $\frac{2\frac{11}{16}}$	FY $\frac{2\frac{1}{2}}$ TF/AH FY $\frac{2\frac{11}{16}}$ TF/AH	12900	$7\frac{3}{8}$	$5\frac{7}{8}$	$\frac{21}{32}$	$\frac{21}{16}$	$\frac{255}{64}$	$6\frac{1}{16}$	$\frac{15}{32}$	$\frac{5}{32}$	(4)- $\frac{5}{8}$	11.3 10.9
$\frac{2\frac{3}{4}}$ $\frac{2\frac{15}{16}}$	FY $\frac{2\frac{3}{4}}$ TF/AH FY $\frac{2\frac{15}{16}}$ TF/AH	14900	$7\frac{3}{4}$	6	$\frac{3}{4}$	$\frac{21}{8}$	3	$6\frac{3}{8}$	$\frac{13}{16}$	$\frac{9}{16}$	(4)- $\frac{3}{4}$	15.7 14.8

Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.

Consult SKF USA Inc. prior to design change or order placement.

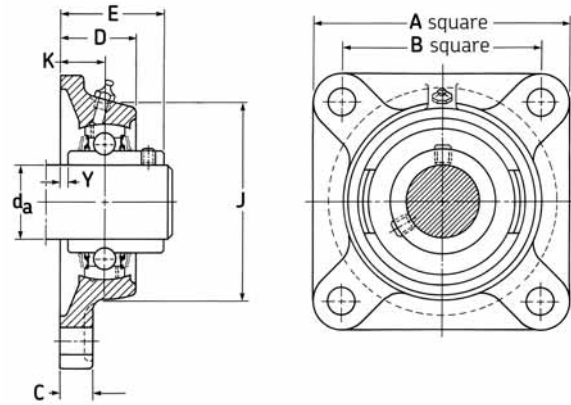
Ball bearing units

Air handling ball bearing units

Flange/medium duty

FYM-TF/AH

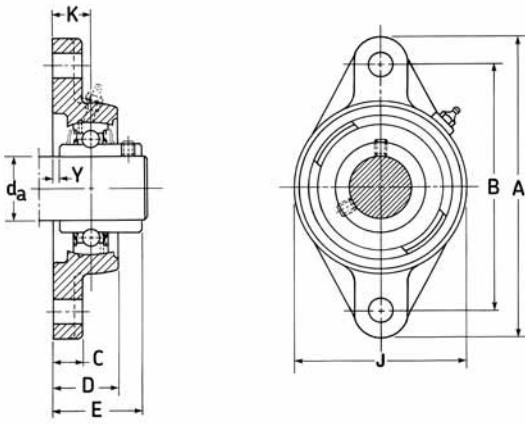
- Cast-iron flange
- Four-bolt mounting
- Set screw locking
- Wide inner ring
- M-seal & flingers
- Special aligning torque
- Anti-rotation pin
- Air handling quality grease



For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Dynamic capacity C	Dimensions								Bolts (No. req'd)	Mass lb
			A	B	C	D	E	J	K	Y		
1	FYM 1 TF/AH	4387	4 ¹ / ₄	3 ¹ / ₄	3 ³ / ₆₄	1 ⁹ / ₃₂	1 ²¹ / ₃₂	3 ¹⁹ / ₆₄	2 ⁵ / ₃₂	5 ⁵ / ₃₂	(4)- ⁷ / ₁₆	2.6
1 ³ / ₁₆	FYM 1 ³ / ₁₆ TF/AH	5737	4 ⁴¹ / ₆₄	3 ⁵ / ₈	3 ³ / ₆₄	1 ²³ / ₆₄	1 ⁵³ / ₆₄	3 ⁴⁷ / ₆₄	5 ³ / ₆₄	9 ⁹ / ₆₄	(4)- ¹ / ₂	3.3
1 ⁷ / ₁₆	FYM 1 ⁷ / ₁₆ TF/AH	6910	5 ¹ / ₈	4	2 ¹ / ₃₂	1 ¹⁷ / ₃₂	2 ²⁹ / ₆₄	4 ¹¹ / ₆₄	1 ⁵ / ₁₆	1 ³ / ₆₄	(4)- ¹ / ₂	4.6
1 ¹ / ₂	FYM 1 ¹ / ₂ TF/AH	7470	5 ²⁵ / ₆₄	4 ¹ / ₈	3 ⁵ / ₆₄	1 ¹⁷ / ₃₂	2 ⁹ / ₆₄	4 ¹³ / ₃₂	1 ⁵ / ₁₆	1 ³ / ₆₄	(4)- ⁹ / ₁₆	5.3
1 ¹¹ / ₁₆ 1 ³ / ₄	FYM 1 ¹¹ / ₁₆ TF/AH FYM 1 ³ / ₄ TF/AH	7900	5 ⁵ / ₈	4 ³ / ₈	2 ⁵ / ₃₂	1 ³ / ₄	2 ²⁵ / ₆₄	4 ⁴¹ / ₆₄	1 ⁷ / ₆₄	2 ³ / ₆₄	(4)- ⁹ / ₁₆	5.7 5.7
1 ¹⁵ / ₁₆	FYM 1 ¹⁵ / ₁₆ TF/AH	9810	6 ³ / ₈	5 ¹ / ₈	2 ⁷ / ₃₂	1 ⁷ / ₈	2 ¹⁷ / ₃₂	5 ⁹ / ₃₂	1 ⁷ / ₃₂	1 ¹¹ / ₃₂	(4)- ⁵ / ₈	8.2
2 ³ / ₁₆	FYM 2 ³ / ₁₆ TF/AH	11900	6 ⁷ / ₈	5 ⁵ / ₈	2 ⁷ / ₃₂	2 ⁵ / ₃₂	2 ²⁹ / ₃₂	5 ⁵ / ₈	1 ¹¹ / ₃₂	1 ¹¹ / ₃₂	(4)- ⁵ / ₈	9.7
2 ⁷ / ₁₆ 2 ¹ / ₂	FYM 2 ⁷ / ₁₆ TF/AH FYM 2 ¹ / ₂ TF/AH	14200 14000	7 ³ / ₈	5 ⁷ / ₈	1 ¹ / ₁₆	2 ¹ / ₄	3	6 ¹ / ₈	1 ⁷ / ₁₆	1 ¹ / ₄	(4)- ⁵ / ₈	13.6 13.0
2 ¹¹ / ₁₆	FYM 2 ¹¹ / ₁₆ TF/AH	14900	7 ³ / ₄	6	3 ³ / ₄	2 ¹ / ₈	3	6 ³ / ₈	1 ³ / ₁₆	9 ⁹ / ₁₆	(4)- ³ / ₄	15.5
2 ¹⁵ / ₁₆ 3	FYM 2 ¹⁵ / ₁₆ TF/AH FYM 3 TF/AH	16400	7 ³ / ₄	6	7 ⁷ / ₈	2 ⁵ / ₁₆	3 ¹ / ₄	6 ³ / ₄	1 ³ / ₈	3 ³ / ₁₆	(4)- ³ / ₄	15.7 15.5

*Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.



Air handling ball bearing units
Flange / standard duty

- FYT-TF/AH**
 Cast-iron flange
 Two-bolt mounting
 Set screw locking
 Wide inner ring
 M-seal & flingers
 Special aligning torque
 Anti-rotation pin
 Air handling quality grease

For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Dynamic capacity C	Bolts		Mass							
			A	B	C	D	E	J	K	Y	(No. req'd)	
in		lbf	in									lb
$\frac{1}{2}$	FYT $\frac{1}{2}$ TF/AH	2150	$3\frac{7}{8}$	3	$\frac{15}{32}$	$\frac{15}{16}$	$1\frac{13}{16}$	$2\frac{1}{8}$	$\frac{19}{32}$	$\frac{1}{8}$	(2)- $\frac{3}{8}$	0.7
$\frac{5}{8}$	FYT $\frac{5}{8}$ TF/AH											0.7
$\frac{3}{4}$	FYT $\frac{3}{4}$ TF/AH	2860	$4\frac{13}{32}$	$3\frac{17}{32}$	$\frac{7}{16}$	$\frac{31}{32}$	$1\frac{9}{32}$	$2\frac{3}{8}$	$\frac{9}{16}$	$\frac{1}{16}$	(2)- $\frac{3}{8}$	0.9
$\frac{13}{16}$	FYT $\frac{13}{16}$ TF/AH*	3150	$4\frac{7}{8}$	$3\frac{29}{32}$	$\frac{5}{8}$	$1\frac{3}{16}$	$1\frac{7}{16}$	$2\frac{3}{4}$	$\frac{3}{4}$	$\frac{3}{16}$	(2)- $\frac{7}{16}$	1.4
$\frac{7}{8}$	FYT $\frac{7}{8}$ TF/AH											1.4
$\frac{15}{16}$	FYT $\frac{15}{16}$ TF/AH											1.3
1	FYT 1 TF/AH											1.3
$\frac{1\frac{1}{16}}$	FYT $\frac{1\frac{1}{16}}$ TF/AH*	4390	$5\frac{9}{16}$	$4\frac{19}{32}$	$\frac{17}{32}$	$1\frac{9}{32}$	$1\frac{21}{32}$	$3\frac{1}{8}$	$2\frac{5}{32}$	$\frac{5}{32}$	(2)- $\frac{7}{16}$	2.1
$\frac{1\frac{1}{8}}$	FYT $\frac{1\frac{1}{8}}$ TF/AH											2.1
$\frac{1\frac{3}{16}}$	FYT $\frac{1\frac{3}{16}}$ TF/AH											2.0
$\frac{1\frac{1}{4}}$	FYT $\frac{1\frac{1}{4}}$ ATF/AH*											1.9
$\frac{1\frac{1}{4}}$	FYT $\frac{1\frac{1}{4}}$ TF/AH	5740	$6\frac{1}{8}$	$5\frac{1}{8}$	$\frac{9}{16}$	$1\frac{11}{32}$	$1\frac{13}{16}$	$3\frac{5}{8}$	$\frac{13}{16}$	$\frac{1}{8}$	(2)- $\frac{1}{2}$	2.9
$\frac{1\frac{5}{16}}$	FYT $\frac{1\frac{5}{16}}$ TF/AH*											2.9
$\frac{1\frac{3}{8}}$	FYT $\frac{1\frac{3}{8}}$ TF/AH											2.8
$\frac{1\frac{7}{16}}$	FYT $\frac{1\frac{7}{16}}$ TF/AH											2.8
$\frac{1\frac{1}{2}}$	FYT $\frac{1\frac{1}{2}}$ TF/AH	6910	$6\frac{3}{4}$	$5\frac{21}{32}$	$\frac{9}{16}$	$1\frac{17}{32}$	$2\frac{3}{32}$	4	$\frac{29}{32}$	$\frac{5}{32}$	(2)- $\frac{1}{2}$	3.7
$\frac{1\frac{5}{8}}$	FYT $\frac{1\frac{5}{8}}$ TF/AH	7470	$7\frac{1}{16}$	$5\frac{27}{32}$	$\frac{5}{8}$	$1\frac{17}{32}$	$2\frac{3}{32}$	$4\frac{1}{4}$	$\frac{29}{32}$	$\frac{5}{32}$	(2)- $\frac{9}{16}$	4.3
$\frac{1\frac{11}{16}}$	FYT $\frac{1\frac{11}{16}}$ TF/AH											4.3
$\frac{1\frac{3}{4}}$	FYT $\frac{1\frac{3}{4}}$ TF/AH											4.2
$\frac{1\frac{15}{16}}$	FYT $\frac{1\frac{15}{16}}$ TF/AH	7900	$7\frac{1}{16}$	$6\frac{3}{16}$	$\frac{25}{32}$	$1\frac{23}{32}$	$2\frac{9}{32}$	$4\frac{9}{16}$	1	$\frac{1}{4}$	(2)- $\frac{9}{16}$	5.1
2	FYT 2 TF/AH	9810	$8\frac{1}{2}$	$7\frac{1}{4}$	$\frac{13}{16}$	$1\frac{7}{8}$	$2\frac{15}{32}$	5	$1\frac{5}{32}$	$\frac{9}{32}$	(2)- $\frac{5}{8}$	6.6
$2\frac{3}{16}$	FYT $2\frac{3}{16}$ TF/AH											6.2

*Consult SKF for availability.

Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.

Consult SKF USA Inc. prior to design change or order placement.

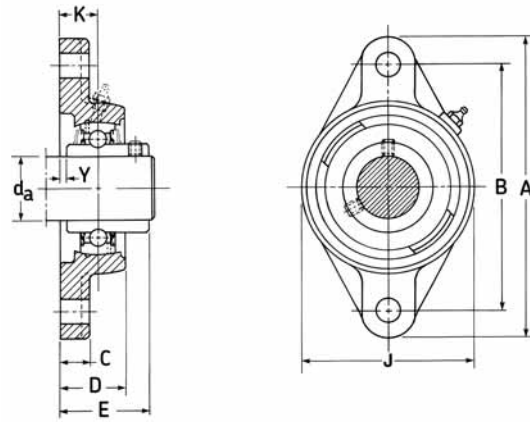
Ball bearing units

Air handling ball bearing units

Flange / medium duty

FYTM-TF/AH

Cast-iron flange
Two-bolt mounting
Set screw locking
Wide inner ring
M-seal & flingers
Special aligning torque
Anti-rotation pin
Air handling quality grease



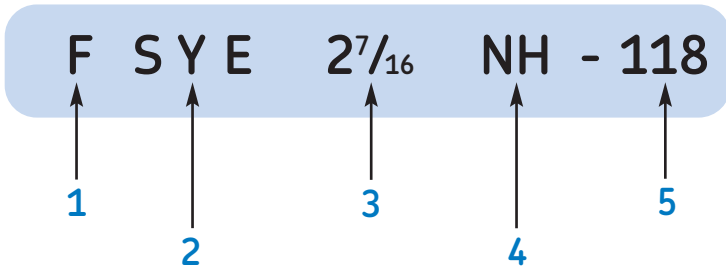
For bearing information see page 276; for seal speed limits see page 242.

Shaft dia. d_a	Pillow block designation	Dynamic capacity C									Bolts (No. req'd)	Mass lb
			A	B	C	D	E	J	K	Y		
in		lbf	in									lb
$1\frac{7}{16}$	FYTM $1\frac{7}{16}$ TF/AH	6910	$6\frac{3}{4}$	$5\frac{21}{32}$	$\frac{9}{16}$	$1\frac{17}{32}$	$2\frac{3}{32}$	4	$\frac{29}{32}$	$\frac{5}{32}$	(2)- $\frac{1}{2}$	3.9
$1\frac{1}{2}$	FYTM $1\frac{1}{2}$ TF/AH	7470	$7\frac{1}{16}$	$5\frac{27}{32}$	$\frac{5}{8}$	$1\frac{17}{32}$	$2\frac{3}{32}$	$4\frac{1}{4}$	$\frac{29}{32}$	$\frac{5}{32}$	(2)- $\frac{9}{16}$	4.5
$1\frac{11}{16}$ $1\frac{3}{4}$	FYTM $1\frac{11}{16}$ TF/AH FYTM $1\frac{3}{4}$ TF/AH	7900	$7\frac{7}{16}$	$6\frac{3}{16}$	$\frac{25}{32}$	$1\frac{23}{32}$	$2\frac{9}{32}$	$4\frac{9}{16}$	1	$\frac{1}{4}$	(2)- $\frac{9}{16}$	5.4 5.4
$1\frac{15}{16}$	FYTM $1\frac{15}{16}$ TF/AH	9810	$8\frac{1}{2}$	$7\frac{1}{4}$	$\frac{13}{16}$	$1\frac{7}{8}$	$2\frac{15}{32}$	5	$1\frac{5}{32}$	$\frac{9}{32}$	(2)- $\frac{5}{8}$	6.7

Note: Dimensions shown apply to YAR style insert bearing (TF arrangement). Consult SKF for dimensional information on additional types.



Roller bearing units



1. Prefix:

F Four bolt base (on SYE only)

2. Housing style:

SYE	Pillow block
SYR	Pillow block
SYT	Pillow block
FYE	Square flange unit
FYR	Round flange unit
FYRP	Piloted flange unit
TBR	Center pull take-up unit
TRH	Take-up unit
TFT	Take-up frame only (for SYR / SYE)
PA	Take-up frame only (for TRH)

3. Shaft size:

4. Suffix:

N	ConCentra design
H	Held unit
Y	Closed end (end cover supplied)
PA	Housing with take-up frame (for TRH)

4. Suffix: (SYT only)

F	Unit with locating bearing
L	Unit with non-locating bearing
TS	Unit with labyrinth seals

5. Suffix/options/specials:

-3	Garner spring seal (for collar mounted)
-18	Labyrinth seal (for collar mounted)
-118	Labyrinth seal (for ConCentra)
-XX	Travel code, inches (length of travel for take-up frames)

Introduction

TriGard™ seals as standard. Garter spring contact seals, labyrinth seals, and end covers also available.

Shaft ready assembly; pre-assembled and pre-greased.

High capacity SKF spherical roller bearing with running or static misalignment of $\pm 1\frac{1}{2}^\circ$.

Shaft attachment collar mounting for ease of installation and holding power.

Controlled bearing fit in the housing. Available as a held or free assembly.

Rugged one-piece cast-iron housing. Available in a variety of mounting styles.

Collar-mounted roller bearing unit

SKF roller bearing pillow blocks, flange blocks and take-up units are offered with collar mounting. SKF roller bearing pillow blocks and take-up units are offered with ConCentra mounting. Both are based on the SKF 22200 series spherical roller bearing. Fully assembled and pre-greased, the units need no internal bearing adjustments at assembly. This saves time and eliminates the risk of bearing contamination during assembly.

Roller bearing units offer many of the advantages of the split housing series but with the convenience of just slipping it on the shaft. Running or static misalignment, free or held assemblies, two- or four-bolt bases, cast iron and a variety of seal options make the roller bearing unit a preferred alternative to the split housing.

Patented multi-taper sleeve uniformly clamps its inner ring around the entire shaft circumference and eliminates mounting problems. The result: The unit is centered with the shaft and the inner ring secure, preventing slipping or "walking" on the shaft caused by a loose fit between the bearing inner ring and shaft.

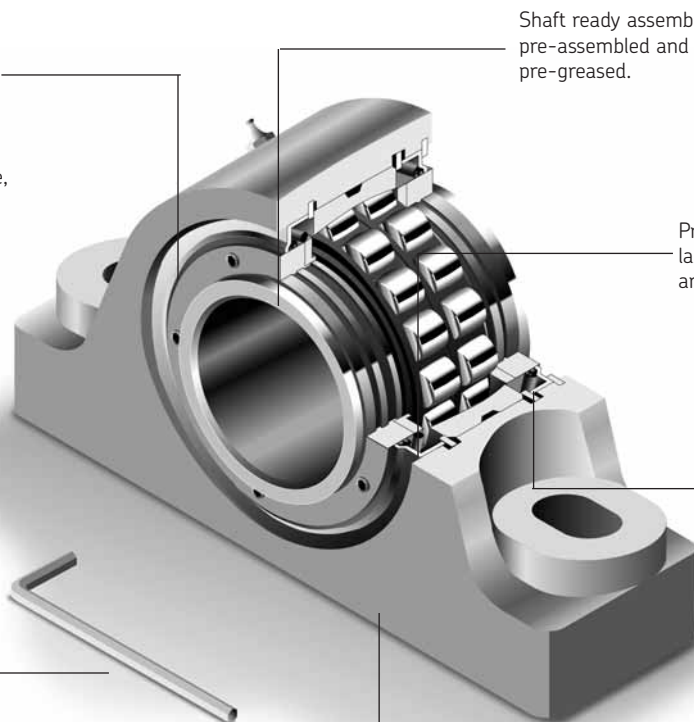
Shaft ready assembly; pre-assembled and pre-greased.

Proven effective TriGard seals, labyrinth seals and end covers are also available.

Controlled bearing fit in the housing. Available as a held or free assembly.

Extreme ease of mounting and dismounting, only tool necessary is a hex head wrench.

Rugged one-piece cast-iron housing.



ConCentra roller bearing unit

SKF has taken every effort to assure that quality and trouble-free operation is designed into each roller bearing unit. SKF roller bearing units incorporate the world leading SKF 22200 series spherical roller bearing. Housing strength, housing bore tolerance, machined base flatness and seals are closely evaluated and tested, and are monitored to assure optimum performance in a wide range of applications. Some typical applications are:

- Apron conveyors
- Bucket elevators
- Belt conveyors
- Chain conveyors
- Fans & blowers
- Wastewater treatment equipment
- Commercial laundry equipment

Offered in a range of shaft sizes from 1 $\frac{1}{16}$ " to 4 $\frac{15}{16}$ ", SKF roller bearing units are a convenient, economical choice to your mounted bearing solution.

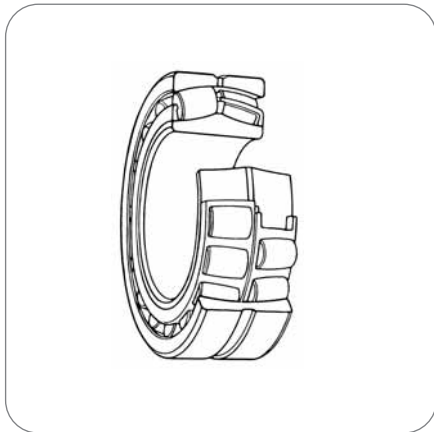
Introduction

Collar-mounted roller bearing unit

Roller bearing units are supplied completely assembled with bearings, seals, and grease. They are ready for installation right out of the box and require no internal adjustment.

Bearings

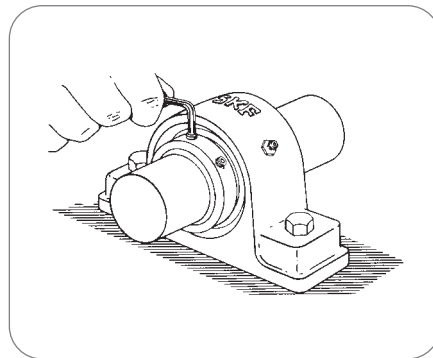
The bearings used in SKF roller bearing units are based on the high capacity SKF 22200 series spherical roller bearing. They can handle heavy radial and axial loads, running and static misalignment, and high operating temperatures. Clearances in the bearing are preset; no adjustment is required during mounting.



Bearing based on SKF 22200 series spherical roller bearing. Heavy loads and running misalignment.

Mounting

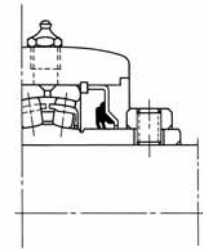
Collar-mounted roller bearing units slide easily onto the shaft and are locked in place with a two set screw locking collar. The locking collar keeps pressure on the set screws helping to maintain the tight fit with the shaft. For added holding power, the largest sizes are designed with two locking collars, indicated in the dimension tables. Mounting is quick and easy.



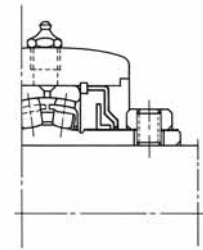
Housings

There are a variety of housing styles in the SKF roller bearing unit product line, including pillow blocks, flange units and take-ups. Pillow blocks are made in two configurations: the SYE is dimensionally interchangeable with competitor "E" designs and the SYR is dimensionally interchangeable with units such as the Dodge S-2000, Linkbelt P-B22400, and Rexnord ZA 2000 series.

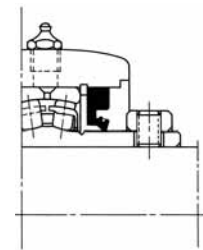
Seals



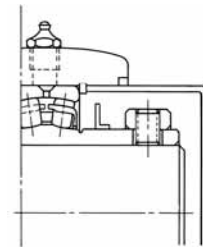
TriGard seal (standard)



Labyrinth seal



Garter spring seal (suffix - 3)



End covers (suffix Y)

Table 1

Set screw torque and permissible axial load

Shaft sizes in	Set screw (No.) size	Torque in-lbs	Permissible axial load lbs
1 ⁷ / ₁₆ to 2 ³ / ₁₆	(2) 3/8" - 24	250	515
2 ⁷ / ₁₆ to 3 ¹ / ₂	(2) 1/2" - 20	620	900
3 ¹¹ / ₁₆ to 4	(2) 5/8" - 18	1325	1200
4 ⁷ / ₁₆ to 4 ¹⁵ / ₁₆	(4) 5/8" - 18	1325	2400

Grease

All roller bearing units are factory lubricated with SKF LGEP2 grease or equivalent.

Table 2

Recommended shaft tolerances

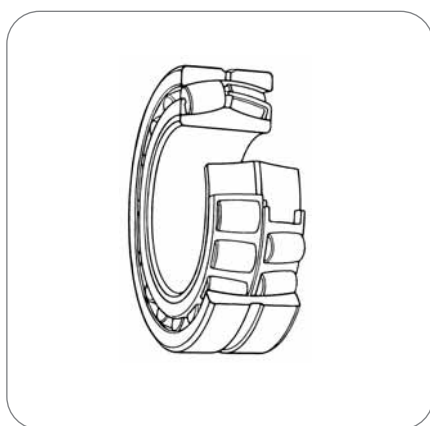
Shaft diameter	Tolerance
Up to 1 ¹⁵ / ₁₆ "	Nominal to -0.0005"
2" to 4 ¹⁵ / ₁₆ "	Nominal to -0.0010"

Note: When the load is heavy, C/P < 8.3, a press fit must be used. Consult SKF Applications Engineering.

ConCentra roller bearing unit

ConCentra roller bearing units are supplied completely assembled with bearings, seals, and grease. They are ready for installation right out of the box and require no internal adjustment.

ConCentra units can be used in the same applications as collar-mounted roller bearing units. The difference between the two types is that the ConCentra unit mounts with a near 360° interference fit (see "Mounting", to the right, and Product descriptions on following page).



Bearings

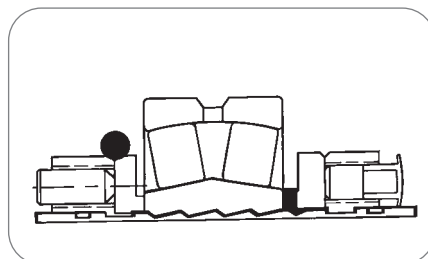
The bearings used in ConCentra roller bearing units are based on the high capacity SKF 22200 series spherical roller bearing. They can handle heavy radial and axial loads, running and static misalignment, and high operating temperatures. Clearances in the bearing are preset; no adjustment is required during mounting.

Grease

All roller bearing units are factory lubricated with SKF LGEP2 grease or equivalent.

Mounting

The ConCentra roller bearing unit uses a patented multi-tapered sleeve arrangement, making it easy to mount the bearing to the shaft. This method provides nearly 360° of interference fit, which does not offset the center line of the shaft and helps reduce fretting.



Housings

There are a variety of housing styles in the ConCentra roller bearing unit product line including pillow blocks and take-ups. Pillow blocks are made in three configurations: the SYE is dimensionally interchangeable with competitor "E" designs, the SYR is dimensionally interchangeable with units such as the Dodge S-2000, Linkbelt P-B22400, and SKF collar-mounted unit roller bearings; and the SYT is dimensionally interchangeable with plummer block assemblies of series SNL 5.

Tolerances

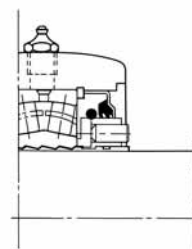
In normal cases shafts machined to tolerance h9 can be used. The cylindricity as defined in ISO 1101:1996 should be according to IT5/2. For less demanding applications h10 and IT7/2 may be satisfactory.

Table 3

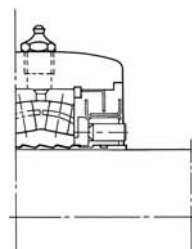
Recommended shaft tolerances

Shaft diameter	Tolerance
Up to 1½" (Up to 38.10 mm)	+0.000" to -0.003" (+0 to -76 μm)
1½½" to 2½" (42.86 to 63.50 mm)	+0.000" to -0.004" (+0 to -101 μm)
2½½" to 4" (68.26 to 101.60 mm)	+0.000" to -0.005" (+0 to -127 μm)

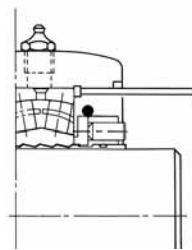
Seals



TriGard seal (standard)



Labyrinth seal (suffix - 118)



*End covers (suffix Y)

*Consult SKF for Availability

Grease characteristics

Base oil	Mineral
Thickener	Lithium
Application temperature	-4° to 230° F (-20° to 110° C)
NLGI	2
Viscosity at 100° F (40° C)	900 SUS (190 cSt)
212° F (100° C)	82 SUS (16 cSt)

Product descriptions

SKF roller bearing units are available in a variety of housing styles and two mounting methods. These units are simple and economic bearing arrangements combining the high load capacity and self-aligning features of the SKF spherical roller bearing with the convenience of set screw mounting and a rugged cast-iron housing. They come pre-greased and fully assembled. Installation time is reduced and there is no risk of bearing contamination during assembly. Roller bearing units can accommodate running or static misalignment of $\pm 1\frac{1}{2}^\circ$ and can be supplied as free or held assemblies. All units incorporate triple protection TriGard seals as standard, but can also be supplied with optional seals.

Collar-mounted units use a locking collar design to firmly secure the bearing inner ring to the shaft. The two set screws extended through the inner ring of the bearing and lock into the shaft. The elasticity of the locking collars maintains pressure on the set screws helping to maintain a secure fit to the shaft even in severe power transmission applications. Mounting is quick and easy. Slide the unit on the shaft, bolt the housing securely to the mounting surface and tighten the two set screws.

ConCentra units combine the advantages of adapter mounting found in split pillow blocks with the convenience of set screw mounting found in collar mounted roller bearing units. The result is a positive, near 360° interference fit with the shaft. This is achieved with a unique patented multi-tapered sleeve arrangement developed by SKF. The shaft is held concentric to the bore of the bearing resulting in reduced fretting corrosion, good balance and low vibration. Dismounting is just as easy. Loosen the mounting set screws and tighten the dismounting set screws until the multi-tapered sleeve releases its grip, usually with a "POP". No need for cutting torches or other mechanical devices. Downtime and shafting cost are saved.

ConCentra units are available in SYE-N, FSYE-N, SYR-N, and SYT (metric) pillow blocks as well as TBR-N and TRH-N take-up housings. FYR and FYRP flange housing are available on an application review basis. This is due to the often limited access to the dismounting set screws.



SYE/SYE-N

SYE/SYE-N

Cast-iron two-bolt base SYE and SYE-N unit roller pillow blocks are available in shaft sizes from $1\frac{7}{16}$ " to $3\frac{1}{2}$ ". Pages 306 and 307.



SYR/SYR-N

SYR/SYR-N

These SYR and SYR-N are cast-iron two-bolt base unit roller pillow blocks. They are available in shaft sizes ranging from $1\frac{7}{16}$ " to 4". Pages 310 and 311.



FSYE/FSYE-N

FSYE/FSYE-N

The four-bolt base version of the SYE(-N) unit is the FSYE(-N). They are available for shafts from $2\frac{7}{16}$ " to $4\frac{15}{16}$ " (ConCentra is available up to a 4"; please check SKF for availability). Pages 308 and 309.



FYE

FYE

FYE four-bolt flange cast-iron roller bearing units are available in shaft sizes $1\frac{7}{16}$ " to 4". These units typically occupy the bottom position in vertical heat exchanger fan arrangements. The SKF spherical roller bearing provides low vibration, quiet running performance. Page 313.



SYT

SYT

The SYT is a two-bolt base, cast-iron pillow block that is dimensionally interchangeable with metric split plummer block housings. Only available with ConCentra insert bearings and metric shaft diameters 35 mm - 75 mm. Page 312.

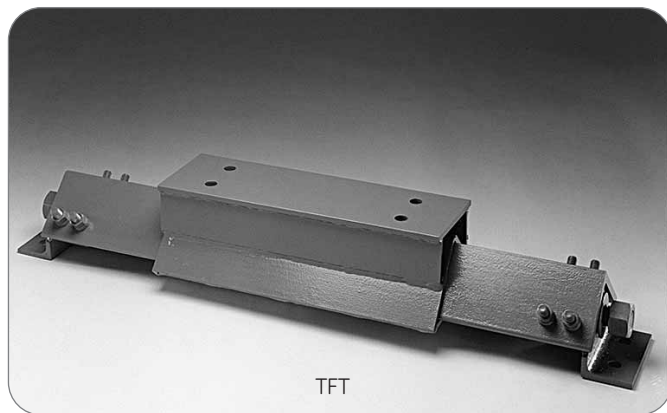


FYR

FYR cast-iron flange unit roller bearings support rotating shafts through walls, bulkheads, or other flat surfaces. The two smallest sizes mount to the surface with three bolts; all other sizes use four mounting bolts. They are available for shaft sizes from 1⁷/₁₆" to 4". These units rely on the mounting bolts for location and load carrying (FYR-N available on application review). Page 314.

FYRP

These piloted flange cast-iron flange units, available for shaft sizes from 1⁷/₁₆" to 4", have a machined extension on one side to fit into a precisely machined bulkhead opening. This provides additional location and support to the unit. All piloted flange units are supplied in four-bolt mounting arrangements (FYRP-N available on application review). Page 315.



TFT

TFT top mount take-up frames are designed for use with SYR, SYR-N, SYE and SYE-N unit roller pillow blocks. TFT assemblies are used primarily for belt tensioning in conveyor applications. The SYR blocks mount directly to the top of the frame and are positioned by turning the protected adjustment screw at either end of the frame. TFT frames are available in travel lengths ranging from 12" to 48" and they accommodate SYR and SYR-N housings for shaft sizes from 1⁷/₁₆" to 4". Pages 316 - 319.

Seal selection/collar-mounted roller bearing units

TriGard seal (standard)

- Standard on all unit roller bearings
- Features a double lip molded contact seal, which rides on a ground surface of the inner ring
- Steel outboard trash guard protects the seal and excludes larger contaminants
- Provides positive contact even under misaligned conditions
- Permits $\pm 1\frac{1}{2}^\circ$ misalignment
- Low frictional torque
- Limited to 200° F maximum operating temperature

Labyrinth seal (suffix – 18)

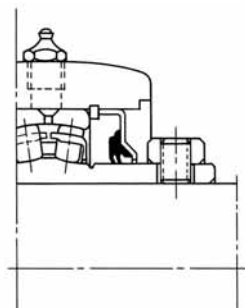
- Two-piece all metal labyrinth seal provides for high operating speeds
- Inboard flinger pressed on the inner ring of the bearing helps retain grease and exclude contaminants
- Outboard stationary trash guard is pressed into the housing and has close running tolerance with the inner ring of the bearing to prevent the entrance of contaminants
- Design permits $\pm 1\frac{1}{2}^\circ$ misalignment
- No frictional torque
- No temperature limitation

Garter spring seal (suffix – 3)

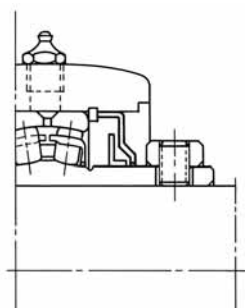
- Features one-piece molded nitrile rubber seal pressed into the housing bore
- Provides greater grease retention and sealing protection because stainless steel garter spring holds seal lip firmly to the ground inner ring
- Provides positive contact even under misaligned conditions
- Permits $\pm 1\frac{1}{2}^\circ$ misalignment
- Provides good protection in moist environment
- Limited to 200° F maximum operating temperature

End covers (suffix Y)

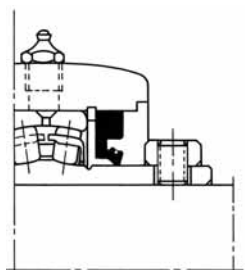
- Steel end covers are simply pushed into position in the housing bore
- Provides additional sealing and protection against exposed shaft ends



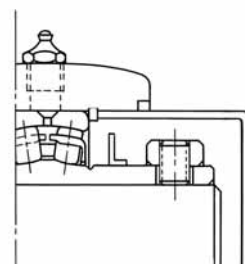
TriGard seal (standard)



Labyrinth seal (suffix – 18)



Garter spring seal (suffix – 3)



End covers (suffix Y)

Table 4

Seal speed limits			
Shaft size in	TriGard rpm	Labyrinth	Garter spring
1 ⁷ / ₁₆	2800	5300	1700
1 ¹ / ₂	2800	5300	1700
1 ²³ / ₁₆	2650	4700	1600
1 ³ / ₄	2650	4700	1600
1 ¹⁵ / ₁₆	2400	4250	1450
2	2400	4250	1450
2 ³ / ₁₆	2150	3800	1300
2 ⁷ / ₁₆	1800	3250	1100
2 ¹ / ₂	1800	3250	1100
2 ²³ / ₁₆	1600	2800	950
2 ³ / ₄	1600	2800	950
2 ¹⁵ / ₁₆	1600	2800	950
3	1600	2800	950
3 ⁷ / ₁₆	1300	2200	800
3 ¹ / ₂	1300	2200	800
3 ²³ / ₁₆	1200	2000	700
3 ¹⁵ / ₁₆	1200	2000	700
4	1200	2000	700
4 ⁷ / ₁₆	1100	N/A	N/A
4 ¹ / ₂	1100	N/A	N/A
4 ¹⁵ / ₁₆	900	N/A	N/A

TriGard seal (standard)

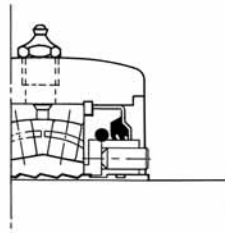
- Standard on all unit roller bearings
- Features a double lip molded contact seal, which rides on a ground surface of the mounting and dismounting collars
- Steel outboard trash guard protects the seal and excludes larger contaminants
- Provides positive contact even under misaligned conditions
- Permits $\pm 1\frac{1}{2}^\circ$ misalignment
- Low frictional torque
- Limited to 200° F maximum operating temperature

Labyrinth seal (suffix – 118)

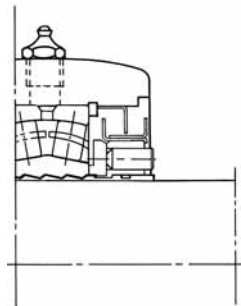
- Three-piece all metal labyrinth seal allows operation at the basic bearing grease speed rating
- Inboard flinger pressed on the inner ring of the bearing helps retain grease
- Outboard flinger pressed on the inner ring flings contaminants away from the seal opening
- A stationary trash guard, positioned between the two flingers, is pressed into the housing and helps create a difficult path labyrinth to prevent the ingress of contaminants
- Permits $\pm 1\frac{1}{2}^\circ$ misalignment
- No frictional torque
- No temperature limitation

End covers (suffix Y)

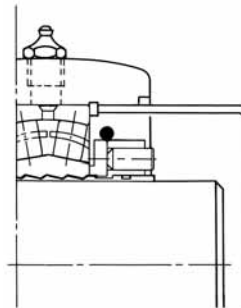
- Steel end covers are simply pushed into position in the housing bore
- Provides additional sealing and protection against exposed shaft ends



TriGard seal (standard)



Labyrinth seal (suffix – 118)



End covers (suffix Y)

Table 5

Seal speed limits		
Shaft size in	TriGard rpm	Labyrinth
$1\frac{1}{16}$	4000	5600
$1\frac{1}{2}$	4000	5600
$1\frac{11}{16}$	3700	5300
$1\frac{3}{4}$	3700	5300
$1\frac{15}{16}$	3500	5000
2	3500	5000
$2\frac{1}{16}$	3250	4500
$2\frac{1}{8}$	2900	3800
$2\frac{1}{2}$	2900	3800
$2\frac{11}{16}$	2600	3400
$2\frac{3}{4}$	2600	3400
$2\frac{15}{16}$	2600	3400
3	2600	3400
$3\frac{1}{16}$	2200	2600
$3\frac{1}{2}$	2200	2600
$3\frac{15}{16}$	2000	2200
4	2000	2200

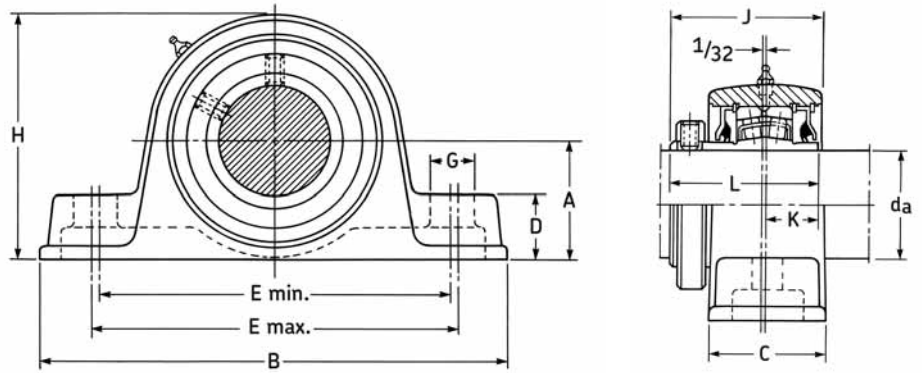
Roller bearing units

Pillow block / collar-mounted

SYE

Type E, ZEP EPB22400H equivalent
 Cast-iron housing
 2-bolt base
 Self-aligning
 Held or free
 TriGard seal

How to order	SYE 2 ⁷ / ₁₆
Option	Specify
Held unit	SYE 2 ⁷ / ₁₆ H
Closed end	SYE 2 ⁷ / ₁₆ Y
Garter spring seal	SYE 2 ⁷ / ₁₆ -3
Labyrinth seal	SYE 2 ⁷ / ₁₆ -18

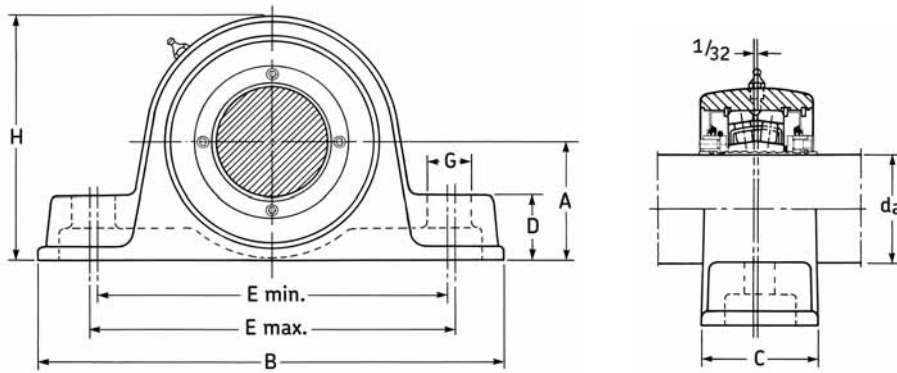


For shaft diameter tolerances see page 300; for bearing information see page 320; for other seal speed limits see page 304.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass												Bolts (No. req'd)
					A	B	C	D	E Max	E Min	G	H	J	K	L	
in	—	lbs	rpm	lbs	in											in
1 ⁷ / ₁₆	SYE 1 ⁷ / ₁₆	16 600	2800	8.0	1 ⁷ / ₈	7 ³ / ₈	2 ¹ / ₈	1 ¹ / ₈	6	5 ¹ / ₂	3/4	3 ⁷ / ₈	2 ²⁷ / ₃₂	1	2 ³ / ₄	(2) ⁻¹ / ₂
1 ¹ / ₂	SYE 1 ¹ / ₂	16 600	2800	8.0	2 ¹ / ₈	7 ⁷ / ₈	2 ³ / ₈	1 ¹ / ₄	6 ¹ / ₂	6	3/4	4 ¹ / ₄	2 ³¹ / ₃₂	1	2 ³ / ₄	(2) ⁻¹ / ₂
1 ¹¹ / ₁₆	SYE 1 ¹¹ / ₁₆	17 300	2650	9.3	2 ¹ / ₈	7 ⁷ / ₈	2 ³ / ₈	1 ¹ / ₄	6 ¹ / ₂	6	3/4	4 ¹ / ₄	2 ³¹ / ₃₂	1	2 ³ / ₄	(2) ⁻¹ / ₂
1 ³ / ₄	SYE 1 ³ / ₄	17 300	2650	9.3	2 ¹ / ₄	8 ⁷ / ₈	2 ¹ / ₂	1 ⁵ / ₁₆	7 ¹ / ₄	6 ³ / ₄	7/8	4 ¹ / ₂	3 ⁵ / ₃₂	1	2 ⁷ / ₈	(2) ⁻⁵ / ₈
1 ¹⁵ / ₁₆	SYE 1 ¹⁵ / ₁₆	19 000	2400	10.5	2 ¹ / ₄	8 ⁷ / ₈	2 ¹ / ₂	1 ⁵ / ₁₆	7 ¹ / ₄	6 ³ / ₄	7/8	4 ¹ / ₂	3 ⁵ / ₃₂	1	2 ⁷ / ₈	(2) ⁻⁵ / ₈
2	SYE 2	19 000	2400	10.5	2 ¹ / ₄	8 ⁷ / ₈	2 ¹ / ₂	1 ⁵ / ₁₆	7 ¹ / ₄	6 ³ / ₄	7/8	4 ¹ / ₂	3 ⁵ / ₃₂	1	2 ⁷ / ₈	(2) ⁻⁵ / ₈
2 ³ / ₁₆	SYE 2 ³ / ₁₆	22 400	2150	13.5	2 ¹ / ₂	9 ⁵ / ₈	2 ⁵ / ₈	1 ¹ / ₂	8	7 ¹ / ₂	7/8	5	3 ¹¹ / ₃₂	1 ¹ / ₈	3 ¹ / ₈	(2) ⁻⁵ / ₈
2 ⁷ / ₁₆	SYE 2 ⁷ / ₁₆	33 300	1800	18.5	2 ³ / ₄	10 ¹ / ₂	2 ⁷ / ₈	1 ⁵ / ₈	8 ³ / ₄	8 ¹ / ₄	1	5 ¹¹ / ₁₆	3 ¹⁹ / ₃₂	1 ¹ / ₄	3 ³ / ₈	(2) ⁻⁵ / ₈
2 ¹ / ₂	SYE 2 ¹ / ₂	33 300	1800	18.0	2 ³ / ₄	10 ¹ / ₂	2 ⁷ / ₈	1 ⁵ / ₈	8 ³ / ₄	8 ¹ / ₄	1	5 ¹¹ / ₁₆	3 ¹⁹ / ₃₂	1 ¹ / ₄	3 ³ / ₈	(2) ⁻⁵ / ₈
2 ¹¹ / ₁₆	SYE 2 ¹¹ / ₁₆	35 500	1600	25.5	3 ¹ / ₈	12	3	1 ⁷ / ₈	9 ³ / ₄	9 ¹ / ₄	1 ¹ / ₈	6 ⁵ / ₁₆	3 ²⁹ / ₃₂	1 ¹ / ₄	3 ⁵ / ₈	(2) ⁻³ / ₄
2 ³ / ₄	SYE 2 ³ / ₄	35 500	1600	25.0	3 ¹ / ₈	12	3	1 ⁷ / ₈	9 ³ / ₄	9 ¹ / ₄	1 ¹ / ₈	6 ⁵ / ₁₆	3 ²⁹ / ₃₂	1 ¹ / ₄	3 ⁵ / ₈	(2) ⁻³ / ₄
2 ¹⁵ / ₁₆	SYE 2 ¹⁵ / ₁₆	35 500	1600	24.0	3 ¹ / ₈	12	3	1 ⁷ / ₈	9 ³ / ₄	9 ¹ / ₄	1 ¹ / ₈	6 ⁵ / ₁₆	3 ²⁹ / ₃₂	1 ¹ / ₄	3 ⁵ / ₈	(2) ⁻³ / ₄
3	SYE 3	35 500	1600	23.5	3 ¹ / ₈	12	3	1 ⁷ / ₈	9 ³ / ₄	9 ¹ / ₄	1 ¹ / ₈	6 ⁵ / ₁₆	3 ²⁹ / ₃₂	1 ¹ / ₄	3 ⁵ / ₈	(2) ⁻³ / ₄
3 ⁷ / ₁₆	SYE 3 ⁷ / ₁₆	56 900	1300	35.5	3 ³ / ₄	14	3 ⁵ / ₈	2 ¹ / ₄	11 ⁵ / ₁₆	10 ¹¹ / ₁₆	1 ⁵ / ₁₆	7 ¹ / ₂	4 ⁷ / ₁₆	1 ⁷ / ₁₆	4 ¹ / ₃₂	(2) ⁻⁷ / ₈
3 ¹ / ₂	SYE 3 ¹ / ₂	56 900	1300	35.5	3 ³ / ₄	14	3 ⁵ / ₈	2 ¹ / ₄	11 ⁵ / ₁₆	10 ¹¹ / ₁₆	1 ⁵ / ₁₆	7 ¹ / ₂	4 ⁷ / ₁₆	1 ⁷ / ₁₆	4 ¹ / ₃₂	(2) ⁻⁷ / ₈

Consult SKF USA Inc. prior to design change or order placement.

Pillow block / ConCentra



SYE-N
 Type E, ZEP, EPB22400H equivalent
 Cast-iron housing
 2-bolt base
 Self-aligning
 Held or free
 TriGard seal

How to order	SYE 2 ⁷ / ₁₆ N
Option	Specify
Held unit	SYE 2 ⁷ / ₁₆ NH
Closed end	SYE 2 ⁷ / ₁₆ NY
Labyrinth seal	SYE 2 ⁷ / ₁₆ N-118

For shaft diameter tolerances see page 301; for bearing information see page 321; for other seal speed limits see page 305.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass									Bolts (No. req'd)
					A	B	C	D	E Max	E Min	G	H	
in	—	lbs	rpm	lbs	in								in
1 ⁷ / ₁₆	SYE 1 ⁷ / ₁₆ N	22 900	4000	8.0	1 ⁷ / ₈	7 ³ / ₈	2 ¹ / ₈	1 ¹ / ₈	6	5 ¹ / ₂	3 ³ / ₄	3 ⁷ / ₈	(2) ⁻¹ / ₂
1 ¹ / ₂	SYE 1 ¹ / ₂ N	22 900	4000	8.0	2 ¹ / ₈	7 ⁷ / ₈	2 ³ / ₈	1 ¹ / ₄	6 ¹ / ₂	6	3 ³ / ₄	4 ¹ / ₄	(2) ⁻¹ / ₂
1 ¹¹ / ₁₆	SYE 1 ¹¹ / ₁₆ N	20 200	3700	9.3									
1 ³ / ₄	SYE 1 ³ / ₄ N	20 200	3700	9.3	2 ¹ / ₄	8 ⁷ / ₈	2 ¹ / ₂	1 ⁵ / ₁₆	7 ¹ / ₄	6 ³ / ₄	7 ⁷ / ₈	4 ¹ / ₂	(2) ⁻⁵ / ₈
1 ¹⁵ / ₁₆	SYE 1 ¹⁵ / ₁₆ N	21 700	3500	10.5									
2	SYE 2 N	21 700	3500	10.5									
2 ³ / ₁₆	SYE 2 ³ / ₁₆ N	30 100	3250	13.5	2 ¹ / ₂	9 ⁵ / ₈	2 ⁵ / ₈	1 ¹ / ₂	8	7 ¹ / ₂	7 ⁷ / ₈	5	(2) ⁻⁵ / ₈
2 ⁷ / ₁₆	SYE 2 ⁷ / ₁₆ N	43 400	2900	18.5	2 ³ / ₄	10 ¹ / ₂	2 ⁷ / ₈	1 ⁵ / ₈	8 ³ / ₄	8 ¹ / ₄	1	5 ¹¹ / ₁₆	(2) ⁻⁵ / ₈
2 ¹ / ₂	SYE 2 ¹ / ₂ N			18.5									
2 ¹¹ / ₁₆	SYE 2 ¹¹ / ₁₆ N	47 700	2600	25.5	3 ¹ / ₈	12	3	1 ⁷ / ₈	9 ³ / ₄	9 ¹ / ₄	1 ¹ / ₈	6 ⁵ / ₁₆	(2) ⁻³ / ₄
2 ³ / ₄	SYE 2 ³ / ₄ N			25.0									
2 ¹⁵ / ₁₆	SYE 2 ¹⁵ / ₁₆ N			24.0									
3	SYE 3 N			23.5									
3 ⁷ / ₁₆	SYE 3 ⁷ / ₁₆ N	65 200	2200	35.5	3 ³ / ₄	14	3 ⁵ / ₈	2 ¹ / ₄	11 ⁵ / ₁₆	10 ¹¹ / ₁₆	1 ⁵ / ₁₆	7 ¹ / ₂	(2) ⁻⁷ / ₈
3 ¹ / ₂	SYE 3 ¹ / ₂ N												

Consult SKF USA Inc. prior to design change or order placement.

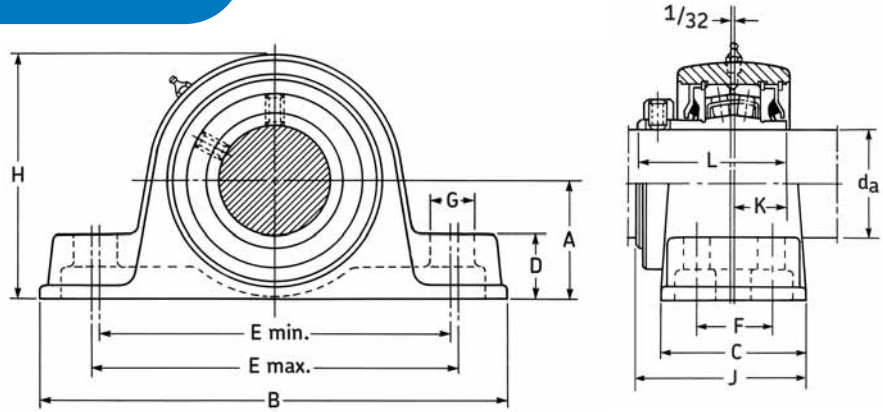
Roller bearing units

Pillow block / collar-mounted

FSYE

Type E, ZEP, EPB22400FH equivalent
 Cast-iron housing
 4-bolt base
 Self-aligning
 Held or free
 TriGard seal

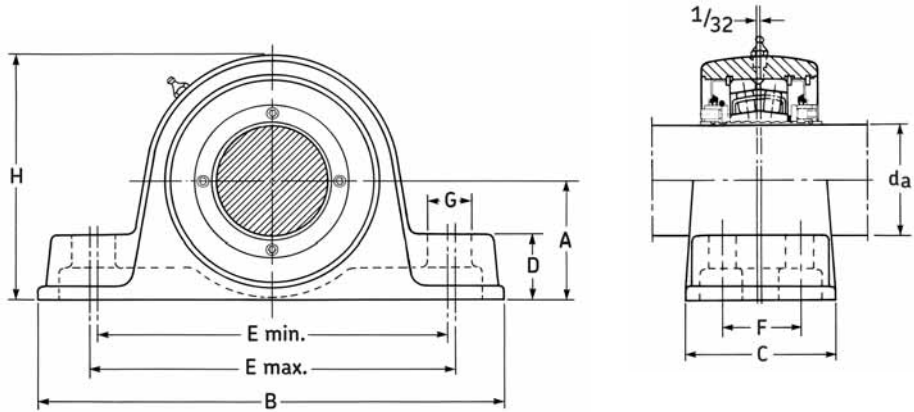
How to order	FSYE 2⁷/₁₆
Option	Specify
Held unit	FSYE 2 ⁷ / ₁₆ H
Closed end	FSYE 2 ⁷ / ₁₆ Y
Garter spring seal	FSYE 2 ⁷ / ₁₆ -3
Labyrinth seal	FSYE 2 ⁷ / ₁₆ -18



FSYE 2⁷/₁₆ thru FSYE-4 supplied with single locking collar only
 FSYE 4⁷/₁₆ thru FSYE-4¹⁵/₁₆ supplied with double locking collar only

For shaft diameter tolerances see page 300; for bearing information see page 320; for other seal speed limits see page 304.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit rpm	Mass lbs														Bolts (No. req'd)
					A	B	C	D	E Max	E Min	F	G	H	J	K	L		
in	—	lbs	rpm	lbs	in													in
2 ⁷ / ₁₆ 2 ¹ / ₂	FSYE 2 ⁷ / ₁₆ FSYE 2 ¹ / ₂	33 300	1800	19.0 18.5	2 ³ / ₄	10 ¹ / ₂	3 ¹ / ₂	1 ⁵ / ₈	8 ³ / ₄	8 ¹ / ₄	1 ⁷ / ₈	1	5 ¹¹ / ₁₆	3 ¹⁹ / ₃₂	1 ¹ / ₄	3 ³ / ₈	(4) ⁻⁵ / ₈	
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	FSYE 2 ¹¹ / ₁₆ FSYE 2 ³ / ₄ FSYE 2 ¹⁵ / ₁₆ FSYE 3	35 500	1600	25.5 25.5 24.0 24.0	3 ³ / ₈	12	4	1 ⁷ / ₈	9 ⁷ / ₈	9 ¹ / ₈	2 ³ / ₈	1 ¹ / ₈	6 ⁵ / ₁₆	3 ²⁹ / ₃₂	1 ¹ / ₄	3 ⁵ / ₈	(4) ⁻⁵ / ₈	
3 ⁷ / ₁₆ 3 ¹ / ₂	FSYE 3 ⁷ / ₁₆ FSYE 3 ¹ / ₂	56 900	1300	36.5	3 ³ / ₄	14	4 ¹ / ₂	2 ¹ / ₄	11 ⁷ / ₁₆	10 ⁹ / ₁₆	2 ³ / ₈	1 ⁵ / ₁₆	7 ¹ / ₂	4 ⁷ / ₁₆	1 ⁷ / ₁₆	4 ¹ / ₃₂	(4) ⁻³ / ₄	
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆ 4	FSYE 3 ¹¹ / ₁₆ FSYE 3 ¹⁵ / ₁₆ FSYE 4	69 900	1200	50.5 49.5 49.5	4 ¹ / ₄	15 ¹ / ₄	4 ¹ / ₂	2 ⁷ / ₁₆	13	12	2 ¹ / ₄	1 ³ / ₈	8 ⁹ / ₁₆	4 ⁷ / ₈	1 ⁵ / ₈	4 ¹⁹ / ₃₂	(4) ⁻³ / ₄	
4 ⁷ / ₁₆ 4 ¹ / ₂	FSYE 4 ⁷ / ₁₆ FSYE 4 ¹ / ₂	91 700	1100	71.0	4 ³ / ₄	16 ⁵ / ₈	4 ⁵ / ₈	2 ³ / ₄	13 ⁷ / ₈	13 ¹ / ₈	2 ¹ / ₂	1 ¹ / ₄	9 ³ / ₈	4 ³¹ / ₃₂	—	—	(4) ⁻³ / ₄	
4 ¹⁵ / ₁₆	FSYE 4 ¹⁵ / ₁₆	123 000	900	100.0	5 ¹ / ₂	18 ¹ / ₂	5 ¹ / ₈	3	15 ⁷ / ₈	15 ¹ / ₈	2 ³ / ₄	1 ³ / ₈	10 ⁷ / ₈	5 ¹⁷ / ₃₂	—	—	(4) ⁻⁷ / ₈	



Pillow block / ConCentra

FSYE-N
 Type E, ZEP, EPB22400FH equivalent
 Cast-iron housing
 4-bolt base
 Self-aligning
 Held or free
 TriGard seal

How to order	FSYE 2⁷/₁₆ N
Option	Specify
Held unit	FSYE 2 ⁷ / ₁₆ NH
Closed end	FSYE 2 ⁷ / ₁₆ NY
Labyrinth seal	FSYE 2 ⁷ / ₁₆ N-118

For shaft diameter tolerances see page 301; for bearing information see page 321; for other seal speed limits see page 305.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass	A	B	C	D	E Max	E Min	F	G	H	Bolts (No. req'd)
					in										in
2 ⁷ / ₁₆ 2 ¹ / ₂	FSYE 2 ⁷ / ₁₆ N FSYE 2 ¹ / ₂ N	43 400	2900	19.0	2 ³ / ₄	10 ¹ / ₂	3 ¹ / ₂	1 ⁵ / ₈	8 ³ / ₄	8 ¹ / ₄	1 ⁷ / ₈	1	5 ¹¹ / ₁₆	(4) ⁻⁵ / ₈
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	FSYE 2 ¹¹ / ₁₆ N FSYE 2 ³ / ₄ N FSYE 2 ¹⁵ / ₁₆ N FSYE 3 N	47 700	2600	25.5 25.5 24.0 24.0	3 ¹ / ₈	12	4	1 ⁷ / ₈	9 ⁷ / ₈	9 ¹ / ₈	2 ¹ / ₈	1 ¹ / ₈	6 ⁵ / ₁₆	(4) ⁻⁵ / ₈
3 ⁷ / ₁₆ 3 ¹ / ₂	FSYE 3 ⁷ / ₁₆ N FSYE 3 ¹ / ₂ N	65 200	2200	36.5	3 ³ / ₄	14	4 ¹ / ₂	2 ¹ / ₄	11 ⁷ / ₁₆	10 ⁹ / ₁₆	2 ³ / ₈	1 ⁵ / ₁₆	7 ¹ / ₂	(4) ⁻³ / ₄
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆ 4	FSYE 3 ¹¹ / ₁₆ N FSYE 3 ¹⁵ / ₁₆ N FSYE 4 N	81 000	2000	50.5 49.5 49.5	4 ¹ / ₄	15 ¹ / ₄	4 ¹ / ₂	2 ⁷ / ₁₆	13	12	2 ¹ / ₄	1 ³ / ₈	8 ⁹ / ₁₆	(4) ⁻³ / ₄

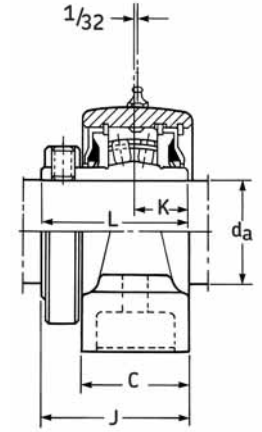
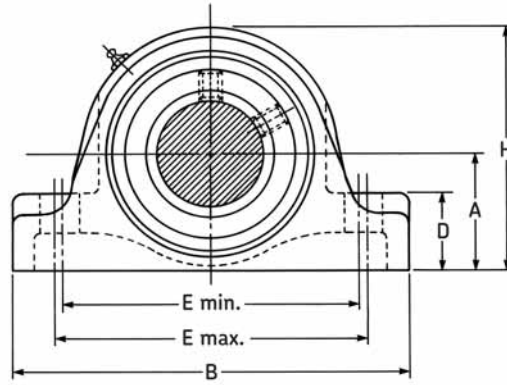
Consult SKF USA Inc. prior to design change or order placement.

Roller bearing units

Pillow block / collar-mounted

SYR
 ZA, PB24400H, S2000 equivalent
 Cast-iron housing
 2-bolt base
 Self-aligning
 Held or free
 TriGard seal

How to order	SYR 2 ^{7/16}
Option	Specify
Held unit	SYR 2 ^{7/16} H
Closed end	SYR 2 ^{7/16} Y
Garter spring seal	SYR 2 ^{7/16} -3
Labyrinth seal	SYR 2 ^{7/16} -18



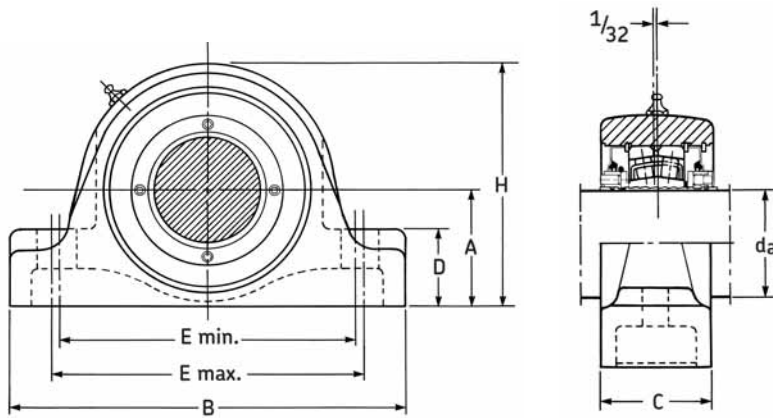
For shaft diameter tolerances see page 300; for bearing information see page 320; for other seal speed limits see page 304.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass											Bolts (No. req'd)
					A	B	C	D	E Max	E Min	H	J	K	L	
in	—	lbs	rpm	lbs	in										in
1 ^{7/16} 1 ^{1/2}	SYR 1 ^{7/16} SYR 1 ^{1/2}	16 600	2800	7.0	1 ^{7/8}	6 ^{7/8}	2 ^{1/8}	1 ^{3/16}	5 ^{5/16}	4 ^{11/16}	3 ^{7/8}	2 ^{13/16}	1	2 ^{3/4}	(2)- ^{1/2}
1 ^{11/16} 1 ^{3/4}	SYR 1 ^{11/16} SYR 1 ^{3/4}	17 300	2650	8.1	2 ^{1/8}	7 ^{3/8}	2 ^{3/8}	1 ^{5/16}	5 ^{13/16}	5 ^{3/16}	4 ^{1/4}	2 ^{15/16}	1	2 ^{7/8}	(2)- ^{1/2}
1 ^{15/16} 2	SYR 1 ^{15/16} SYR 2	19 000	2400	9.2 9.1	2 ^{1/4}	8 ^{3/8}	2 ^{3/8}	1 ^{3/8}	6 ^{9/16}	5 ^{15/16}	4 ^{9/16}	2 ^{15/16}	1	2 ^{7/8}	(2)- ^{5/8}
2 ^{3/16}	SYR 2 ^{3/16}	22 400	2150	12.0	2 ^{1/2}	8 ^{7/8}	2 ^{3/8}	1 ^{5/8}	7 ^{1/16}	6 ^{7/16}	5	3 ^{3/16}	1 ^{1/8}	3 ^{1/8}	(2)- ^{5/8}
2 ^{7/16} 2 ^{1/2}	SYR 2 ^{7/16} SYR 2 ^{1/2}	33 300	1800	16.0	2 ^{3/4}	9 ^{1/4}	2 ^{11/16}	1 ^{3/4}	7 ^{7/16}	6 ^{13/16}	5 ^{11/16}	3 ^{7/16}	1 ^{1/4}	3 ^{3/8}	(2)- ^{5/8}
2 ^{11/16} 2 ^{3/4} 2 ^{15/16} 3	SYR 2 ^{11/16} SYR 2 ^{3/4} SYR 2 ^{15/16} SYR 3	35 500	1600	22.0 22.0 21.0 21.0	3 ^{1/4}	10 ^{7/16}	2 ^{11/16}	2 ^{1/4}	8 ^{7/16}	7 ^{13/16}	6 ^{7/16}	3 ^{11/16}	1 ^{1/4}	3 ^{5/8}	(2)- ^{3/4}
3 ^{7/16} 3 ^{1/2}	SYR 3 ^{7/16} SYR 3 ^{1/2}	56 900	1300	31.5	3 ^{3/4}	13	3 ^{3/16}	2 ^{1/4}	10 ^{3/4}	9 ^{1/4}	7 ^{1/2}	4 ^{3/32}	1 ^{7/16}	4 ^{1/32}	(2)- ^{7/8}
3 ^{11/16} 3 ^{15/16} 4	SYR 3 ^{11/16} SYR 3 ^{15/16} SYR 4	69 900	1200	44.5 43.5 43.5	4 ^{1/8}	14 ^{1/4}	3 ^{17/32}	2 ^{1/2}	11 ^{3/4}	10	8 ^{7/16}	4 ^{21/32}	1 ^{5/8}	4 ^{19/32}	(2)-1

Consult SKF USA Inc. prior to design change or order placement.

Pillow block / ConCentra

SYR-N
 ZA, PB22400H, S2000 equivalent
 Cast-iron housing
 2-bolt base
 Self-aligning
 Held or free
 TriGard seal



How to order	SYR 2⁷/₁₆ N
Option	Specify
Held unit	SYR 2 ⁷ / ₁₆ NH
Closed end	SYR 2 ⁷ / ₁₆ NY
Labyrinth seal	SYR 2 ⁷ / ₁₆ N-118

For shaft diameter tolerances see page 301; for bearing information see page 321; for other seal speed limits see page 305.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass									Bolts (No. req'd)
					A	B	C	D	E Max	E Min	H	L	
in	—	lbs	rpm	lbs	in								in
1 ⁷ / ₁₆ 1 ¹ / ₂	SYR 1 ⁷ / ₁₆ N SYR 1 ¹ / ₂ N	22 900	4000	7.0	1 ⁷ / ₈	6 ⁷ / ₈	2 ¹ / ₁₆	1 ³ / ₁₆	5 ⁵ / ₁₆	4 ¹¹ / ₁₆	3 ⁷ / ₈	2 ¹¹ / ₃₂	(2)-1 ¹ / ₂
1 ¹¹ / ₁₆ 1 ³ / ₄	SYR 1 ¹¹ / ₁₆ N SYR 1 ³ / ₄ N	20 200	3700	8.1	2 ¹ / ₈	7 ³ / ₈	2 ¹ / ₈	1 ⁵ / ₁₆	5 ¹³ / ₁₆	5 ³ / ₁₆	4 ¹ / ₄	2 ¹¹ / ₃₂	(2)-1 ¹ / ₂
1 ¹⁵ / ₁₆ 2	SYR 1 ¹⁵ / ₁₆ N SYR 2 N	21 700	3500	9.2	2 ¹ / ₄	8 ³ / ₈	2 ⁵ / ₁₆	1 ³ / ₈	6 ⁹ / ₁₆	5 ¹⁵ / ₁₆	4 ⁹ / ₁₆	2 ¹¹ / ₃₂	(2)-5 ⁵ / ₈
2 ³ / ₁₆	SYR 2 ³ / ₁₆ N	30 100	3250	12.0	2 ¹ / ₂	8 ⁷ / ₈	2 ³ / ₈	1 ⁵ / ₈	7 ¹ / ₁₆	6 ⁷ / ₁₆	5	2 ¹¹ / ₃₂	(2)-5 ⁵ / ₈
2 ⁷ / ₁₆ 2 ¹ / ₂	SYR 2 ⁷ / ₁₆ N SYR 2 ¹ / ₂ N	43 400	2900	16.0	2 ³ / ₄	9 ¹ / ₄	2 ¹¹ / ₁₆	1 ³ / ₄	7 ⁷ / ₁₆	6 ¹³ / ₁₆	5 ¹¹ / ₁₆	2 ³⁷ / ₆₄	(2)-5 ⁵ / ₈
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	SYR 2 ¹¹ / ₁₆ N SYR 2 ³ / ₄ N SYR 2 ¹⁵ / ₁₆ N SYR 3 N	47 700	2600	22.0 22.0 21.0 21.0	3 ¹ / ₄	10 ⁷ / ₁₆	2 ¹¹ / ₁₆	2 ¹ / ₄	8 ⁷ / ₁₆	7 ¹³ / ₁₆	6 ⁷ / ₁₆	2 ³⁷ / ₆₄	(2)-3 ³ / ₄
3 ⁷ / ₁₆ 3 ¹ / ₂	SYR 3 ⁷ / ₁₆ N SYR 3 ¹ / ₂ N	65 200	2200	31.5	3 ³ / ₄	13	3 ³ / ₁₆	2 ¹ / ₄	10 ³ / ₄	9 ¹ / ₄	7 ¹ / ₂	3 ⁵ / ₃₂	(2)-7 ⁵ / ₈
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆ 4	SYR 3 ¹¹ / ₁₆ N SYR 3 ¹⁵ / ₁₆ N SYR 4 N	81 000	2000	44.5 43.5 43.5	4 ¹ / ₈	14 ¹ / ₄	3 ¹⁷ / ₃₂	2 ¹ / ₂	11 ³ / ₄	10	8 ⁷ / ₁₆	3 ³ / ₈	(2)-1

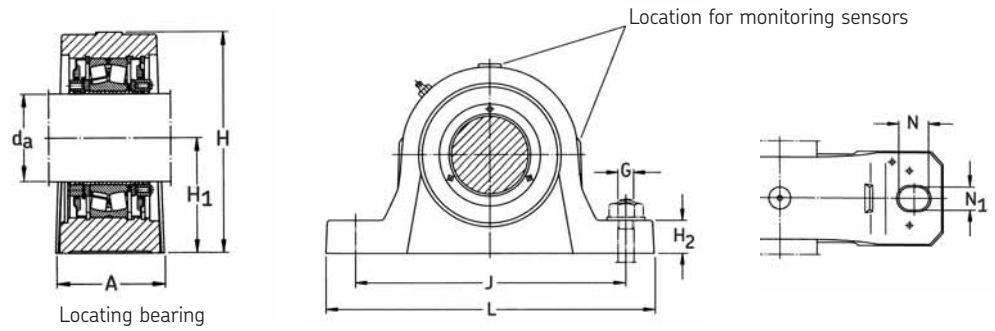
Consult SKF USA Inc. prior to design change or order placement.

Roller bearing units

Pillow block / ConCentra

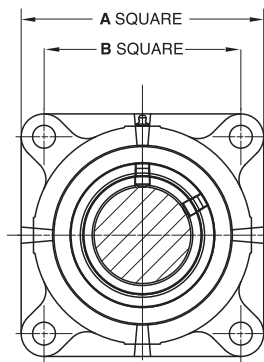
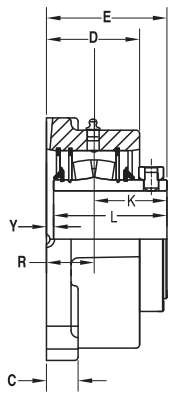
SYT
 SNL 5 equivalent (metric)
 Cast-iron housing
 2-bolt base
 Self-aligning
 Held or free
 TriGard seal

How to order	SYT 55
Option	Specify
Free unit	SYT 55 L
Held unit	SYT 55 F
Labyrinth seal-free	SYT 55 LTS
Labyrinth seal-held	SYT 55 FTS



For shaft diameter tolerances see page 301; for bearing information see page 321; for other seal speed limits see page 305.

Shaft dia. d_a	Designation unit	Bearing basic load ratings dynamic C	Speed rating TriGard seal	Mass kg	Dimensions									Grub screw size
					A	H	H_1	H_2	J	L	N	N_1	G	
mm	—	N	r/min	kg	mm									—
35	SYT 35	76 500	2 700	3.40	60	110	60	25	170	205	20	15	12	M6
40	SYT 40	102 000	2 500	3.50	60	114	60	25	170	205	20	15	12	M6
45	SYT 45	90 000	2 300	3.80	60	116	60	25	170	205	20	15	12	M6
50	SYT 50	96 500	2 150	4.80	70	129	70	28	210	255	24	18	16	M6
55	SYT 55	134 000	2 000	5.40	70	135	70	30	210	255	24	18	16	M6
60	SYT 60	163 000	1 850	7.00	80	150	80	30	230	275	24	18	16	M8
65	SYT 65	193 000	1 800	8.00	80	157	80	30	230	280	24	18	18	M8
70	SYT 70	208 000	1 650	10.6	90	177	95	32	260	315	28	22	20	M8
75	SYT 75	212 000	1 600	11.3	90	182	95	32	260	320	28	22	20	M8



Flange block / collar-mounted

FYE
 Type E, EFR
 Cast-iron housing
 4-bolt
 Self-aligning
 Held or free
 TriGard seal

How to order **FYE 2⁷/₁₆**

Option **Specify**

Held unit FYE 2⁷/₁₆ H
 Closed end FYE 2⁷/₁₆ Y
 Garter spring seal FYE 2⁷/₁₆-3
 Labyrinth seal FYE 2⁷/₁₆-18

For shaft diameter tolerances see page 300; for bearing information see page 320; for other seal speed limits see page 304.

Shaft dia. d _a	Designations Flange block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass	Bolt square								Bolts (No. req'd)	Bolt Hole D _B	
					A	B	C	D	E	K	L	R			Y
in	—	lbs	rpm	lbs	in								in	in	
1 ⁷ / ₁₆	FYE 1 ⁷ / ₁₆	16600	2800	7.2	4 ⁵ / ₈	3 ¹ / ₂	³ / ₄	2 ¹ / ₄	2 ²⁷ / ₃₂	1	2 ³ / ₄	1 ³ / ₃₂	³ / ₃₂	(4)- ¹ / ₂	⁹ / ₁₆
1 ¹ / ₂	FYE 1 ¹ / ₂	16600	2800	10	5 ³ / ₈	4 ¹ / ₈	³ / ₄	2 ⁵ / ₁₆	2 ²⁹ / ₃₂	1	2 ³ / ₄	1 ⁵ / ₃₂	⁵ / ₃₂	(4)- ¹ / ₂	⁹ / ₁₆
1 ¹¹ / ₁₆	FYE 1 ¹¹ / ₁₆	17300	2650	10	5 ³ / ₈	4 ¹ / ₈	³ / ₄	2 ⁵ / ₁₆	3 ¹ / ₃₂	1	2 ⁷ / ₈	1 ⁵ / ₃₂	⁵ / ₃₂	(4)- ¹ / ₂	⁹ / ₁₆
1 ³ / ₄	FYE 1 ³ / ₄	17300	2650	11	5 ¹ / ₂	4 ¹ / ₄	³ / ₄	2 ¹ / ₄	2 ³¹ / ₃₂	1	2 ⁷ / ₈	1 ³ / ₃₂	³ / ₃₂	(4)- ¹ / ₂	⁹ / ₁₆
1 ¹⁵ / ₁₆	FYE 1 ¹⁵ / ₁₆	19000	2400	11	5 ¹ / ₂	4 ¹ / ₄	³ / ₄	2 ¹ / ₄	2 ³¹ / ₃₂	1	2 ⁷ / ₈	1 ³ / ₃₂	³ / ₃₂	(4)- ¹ / ₂	⁹ / ₁₆
2	FYE 2	19000	2400	11	5 ¹ / ₂	4 ¹ / ₄	³ / ₄	2 ¹ / ₄	2 ³¹ / ₃₂	1	2 ⁷ / ₈	1 ³ / ₃₂	³ / ₃₂	(4)- ¹ / ₂	⁹ / ₁₆
2 ³ / ₁₆	FYE 2 ³ / ₁₆	22400	2150	13.5	6 ¹ / ₄	4 ³ / ₄	³ / ₄	2 ³ / ₈	3 ⁷ / ₃₂	1 ¹ / ₈	3 ¹ / ₈	1 ⁷ / ₃₂	³ / ₃₂	(4)- ¹ / ₂	¹¹ / ₁₆
2 ⁷ / ₁₆	FYE 2 ⁷ / ₁₆	33300	1800	17.3	6 ⁷ / ₈	5 ³ / ₈	1	2 ³ / ₄	3 ¹⁵ / ₃₂	1 ¹ / ₄	3 ³ / ₈	1 ¹¹ / ₃₂	³ / ₃₂	(4)- ⁵ / ₈	¹¹ / ₁₆
2 ¹ / ₂	FYE 2 ¹ / ₂	33300	1800	17.1	6 ⁷ / ₈	5 ³ / ₈	1	2 ³ / ₄	3 ¹⁵ / ₃₂	1 ¹ / ₄	3 ³ / ₈	1 ¹¹ / ₃₂	³ / ₃₂	(4)- ⁵ / ₈	¹¹ / ₁₆
2 ¹¹ / ₁₆	FYE 2 ¹¹ / ₁₆	35500	1600	28.5	7 ⁵ / ₈	6	1 ¹ / ₁₆	2 ³ / ₄	3 ⁷ / ₈	1 ¹ / ₄	3 ⁵ / ₈	1 ¹ / ₂	1 ¹ / ₄	(4)- ³ / ₄	1 ³ / ₁₆
2 ³ / ₄	FYE 2 ³ / ₄			28.3											
2 ¹⁵ / ₁₆	FYE 2 ¹⁵ / ₁₆			27.2											
3	FYE 3			27											
3 ⁷ / ₁₆	FYE 3 ⁷ / ₁₆	56900	1300	40.6	8 ³ / ₄	7	1 ¹ / ₈	3 ⁵ / ₁₆	4 ¹ / ₄	1 ⁷ / ₁₆	4 ¹ / ₃₂	1 ²¹ / ₃₂	7 ⁷ / ₃₂	(4)- ³ / ₄	1 ³ / ₁₆
3 ¹ / ₂	FYE 3 ¹ / ₂			40.1											
3 ¹¹ / ₁₆	FYE 3 ¹¹ / ₁₆	69900	1200	64.1	9 ³ / ₄	7 ³ / ₄	1 ¹ / ₄	3 ¹ / ₂	4 ¹³ / ₁₆	1 ⁵ / ₈	4 ¹⁹ / ₃₂	1 ²⁷ / ₃₂	7 ⁷ / ₃₂	(4)- ⁷ / ₈	1 ⁵ / ₁₆
3 ¹⁵ / ₁₆	FYE 3 ¹⁵ / ₁₆			69.1											
4	FYE 4			68.1											

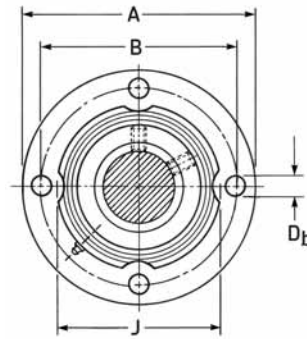
Consult SKF USA Inc. prior to design change or order placement.

Roller bearing units

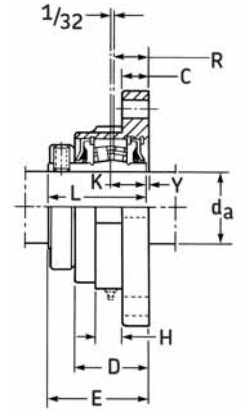
Flange block / collar-mounted

FYR
 ZB, FB22400H, S2000 equivalent
 Cast-iron housing
 3-bolt or 4-bolt
 Self-aligning
 Held or free
 TriGard seal

How to order	FYR 2⁷/₁₆
Option	Specify
Held unit	FYR 2 ⁷ / ₁₆ H
Closed end	FYR 2 ⁷ / ₁₆ Y
Garter spring seal	FYR 2 ⁷ / ₁₆ -3
Labyrinth seal	FYR 2 ⁷ / ₁₆ -18



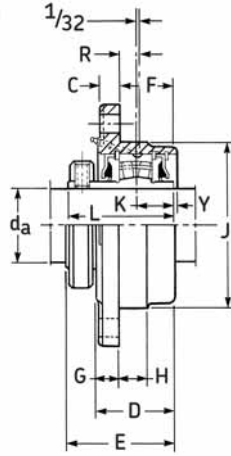
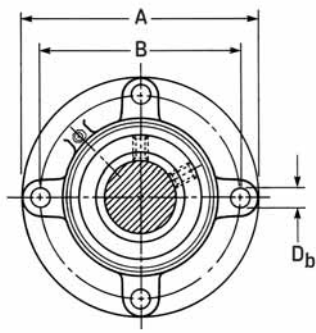
FYR 1⁷/₁₆ and 1¹/₂ have three mounting holes ? 120°



For shaft diameter tolerances see page 300; for bearing information see page 320; for other seal speed limits see page 304.

Shaft dia. d _a	Designations Pillow block unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass	Bolt circle											Bolts (No. req'd)	Bolt hole D _b
					A	B	C	D	E	H	J	K	L	R	Y		
in	—	lbs	rpm	lbs	in											in	in
1 ⁷ / ₁₆ 1 ¹ / ₂	FYR 1⁷/₁₆ FYR 1¹/₂	16 600	2800	8.5 8.4	6 ¹ / ₄	5	3/4	2 ¹ / ₁₆	2 ⁷ / ₈	3/4	3 ⁷ / ₈	1	2 ³ / ₄	1 ³ / ₃₂	1/8	(3)-1/2	9/16
1 ¹¹ / ₁₆ 1 ³ / ₄	FYR 1¹¹/₁₆ FYR 1³/₄	17 300	2650	10.5 11.0	6 ³ / ₄	5 ¹ / ₂	3/4	2 ¹ / ₄	3	1 ³ / ₁₆	4 ¹ / ₂	1	2 ⁷ / ₈	1 ³ / ₃₂	1/8	(4)-1/2	9/16
1 ¹⁵ / ₁₆ 2	FYR 1¹⁵/₁₆ FYR 2	19 00	2400	11.0 10.5	7	5 ³ / ₄	3/4	2 ¹ / ₄	3	1 ³ / ₁₆	4 ³ / ₄	1	2 ⁷ / ₈	1 ³ / ₃₂	1/8	(4)-1/2	9/16
2 ³ / ₁₆	FYR 2³/₁₆	22 400	2150	13.5	7 ³ / ₄	6 ³ / ₈	3/4	2 ³ / ₈	3 ¹ / ₄	1 ⁵ / ₁₆	5 ¹ / ₈	1 ¹ / ₈	3 ¹ / ₈	1 ⁷ / ₃₂	1/8	(4)-5/8	11/16
2 ⁷ / ₁₆ 2 ¹ / ₂	FYR 2⁷/₁₆ FYR 2¹/₂	33 300	1800	17.5	8 ¹ / ₈	6 ³ / ₄	1 ⁵ / ₁₆	2 ⁹ / ₁₆	3 ¹ / ₂	1 ⁵ / ₁₆	5 ³ / ₄	1 ¹ / ₄	3 ³ / ₈	1 ¹¹ / ₃₂	1/8	(4)-5/8	11/16
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	FYR 2¹¹/₁₆ FYR 2³/₄ FYR 2¹⁵/₁₆ FYR 3	35 500	1600	27.0 27.0 26.0 26.0	9 ¹ / ₂	7 ⁷ / ₈	1 ⁵ / ₁₆	2 ⁷ / ₈	3 ⁷ / ₈	1 ³ / ₁₆	6 ⁵ / ₈	1 ¹ / ₄	3 ⁵ / ₈	1 ¹⁵ / ₃₂	1/4	(4)-3/4	13/16
3 ⁷ / ₁₆ 3 ¹ / ₂	FYR 3⁷/₁₆ FYR 3¹/₂	56 900	1300	38.0	11 ¹ / ₈	9 ¹ / ₂	1 ¹ / ₈	3 ¹ / ₁₆	4 ⁹ / ₃₂	1 ³ / ₁₆	7 ⁵ / ₈	1 ⁷ / ₁₆	4 ¹ / ₃₂	1 ²¹ / ₃₂	1/4	(4)-3/4	13/16
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆ 4	FYR 3¹¹/₁₆ FYR 3¹⁵/₁₆ FYR 4	69 900	1200	53.0 52.0 52.0	12 ⁵ / ₈	10 ³ / ₄	1 ¹ / ₈	3 ¹ / ₂	4 ²⁷ / ₃₂	1 ⁷ / ₁₆	8 ³ / ₈	1 ⁵ / ₈	4 ¹⁹ / ₃₂	1 ²⁷ / ₃₂	1/4	(4)-7/8	1 ⁵ / ₁₆

Consult SKF USA Inc. prior to design change or order placement.



Piloted flange / collar-mounted

FYRP
 ZBR, FCB22400H, S2000, Type E equivalent
 Cast-iron housing
 4-bolt base
 Self-aligning
 Held or free
 TriGard seal

How to order	FYRP 2 ⁷ / ₁₆
Option	Specify
Held unit	FYRP 2 ⁷ / ₁₆ H
Closed end	FYRP 2 ⁷ / ₁₆ Y
Garter spring seal	FYRP 2 ⁷ / ₁₆ -3
Labyrinth seal	FYRP 2 ⁷ / ₁₆ -18

For shaft diameter tolerances see page 300; for bearing information see page 320; for other seal speed limits see page 304.

Shaft dia. d _a	Designations Piloted flange unit	Bearing basic load rating dynamic C	TriGard speed limit	Mass	Bolt circle													Bolts (No. req'd)	Bolt hole D _b
					A	B	C	D	E	F	G	H	J ¹⁾	K	L	R	Y		
in	—	lbs	rpm	lbs	in													in	in
1 ⁷ / ₁₆ 1 ¹ / ₂	FYRP 1 ⁷ / ₁₆ FYRP 1 ¹ / ₂	16 600	2800	6.3	5 ¹ / ₄	4 ³ / ₈	1/2	2 ¹ / ₄	2 ⁵ / ₁₆	1 ²⁵ / ₆₄	2 ³ / ₃₂	3/4	3.625	1	2 ³ / ₄	2 ⁷ / ₆₄	9/64	(4)- ³ / ₈	1 ³ / ₃₂
1 ¹¹ / ₁₆ 1 ³ / ₄	FYRP 1 ¹¹ / ₁₆ FYRP 1 ³ / ₄	17 300	2650	7.8 7.7	6 ³ / ₈	5 ¹ / ₈	1/2	2 ¹ / ₂	3 ⁵ / ₃₂	1 ¹⁹ / ₃₂	5/8	7/8	4.250	1	2 ⁷ / ₈	5/8	9/32	(4)- ⁷ / ₁₆	1 ⁵ / ₃₂
1 ¹⁵ / ₁₆ 2	FYRP 1 ¹⁵ / ₁₆ FYRP 2	19 000	2400	8.2	6 ³ / ₈	5 ³ / ₈	9/16	2 ¹ / ₂	3 ⁵ / ₃₂	1 ¹⁹ / ₃₂	5/8	7/8	4.500	1	2 ⁷ / ₈	5/8	9/32	(4)- ⁷ / ₁₆	1/2
2 ³ / ₁₆	FYRP 2 ³ / ₁₆	22 400	2150	9.9	7 ¹ / ₈	6	9/16	2 ⁹ / ₁₆	3 ⁵ / ₁₆	1 ²¹ / ₃₂	2 ³ / ₃₂	1	5.000	1 ¹ / ₈	3 ¹ / ₈	9/16	3/16	(4)- ¹ / ₂	9/16
2 ⁷ / ₁₆ 2 ¹ / ₂	FYRP 2 ⁷ / ₁₆ FYRP 2 ¹ / ₂	33 300	1800	14.0 13.5	7 ⁵ / ₈	6 ¹ / ₂	5/8	2 ⁵ / ₈	3 ¹ / ₂	1 ¹¹ / ₁₆	1 ³ / ₁₆	1	5.500	1 ¹ / ₄	3 ³ / ₈	1 ⁵ / ₃₂	1/8	(4)- ¹ / ₂	1 ⁷ / ₃₂
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	FYRP 2 ¹¹ / ₁₆ FYRP 2 ³ / ₄ FYRP 2 ¹⁵ / ₁₆ FYRP 3	35 500	1600	20.5 20.5 19.5 19.5	8 ³ / ₄	7 ¹ / ₂	1 ¹ / ₁₆	3 ¹ / ₈	3 ²⁹ / ₃₂	2 ¹ / ₃₂	1 ³ / ₁₆	1 ¹ / ₄	6.375	1 ¹ / ₄	3 ⁵ / ₈	1 ³ / ₁₆	9/32	(4)- ⁵ / ₈	2 ¹ / ₃₂
3 ⁷ / ₁₆ 3 ¹ / ₂	FYRP 3 ⁷ / ₁₆ FYRP 3 ¹ / ₂	56 900	1300	29.5 29.0	10 ¹ / ₄	8 ⁵ / ₈	7/8	3 ³ / ₁₆	4 ⁷ / ₃₂	1 ¹⁵ / ₁₆	1 ¹ / ₁₆	1 ¹ / ₄	7.375	1 ⁷ / ₁₆	4 ¹ / ₃₂	1 ⁷ / ₃₂	3/16	(4)- ³ / ₄	2 ⁵ / ₃₂
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆ 4	FYRP 3 ¹¹ / ₁₆ FYRP 3 ¹⁵ / ₁₆ FYRP 4	69 900	1200	41.0 40.0 40.0	10 ⁷ / ₈	9 ³ / ₈	7/8	3 ⁵ / ₈	4 ¹³ / ₁₆	2 ¹³ / ₃₂	1	2	8.125	1 ⁵ / ₈	4 ¹⁹ / ₃₂	1 ³ / ₁₆	7/32	(4)- ³ / ₄	2 ⁵ / ₃₂

1.) O.D. tolerance of the FYRP unit pilot diameter (J) dimension is 0.000 in. to -0.002 in.

Roller bearing units

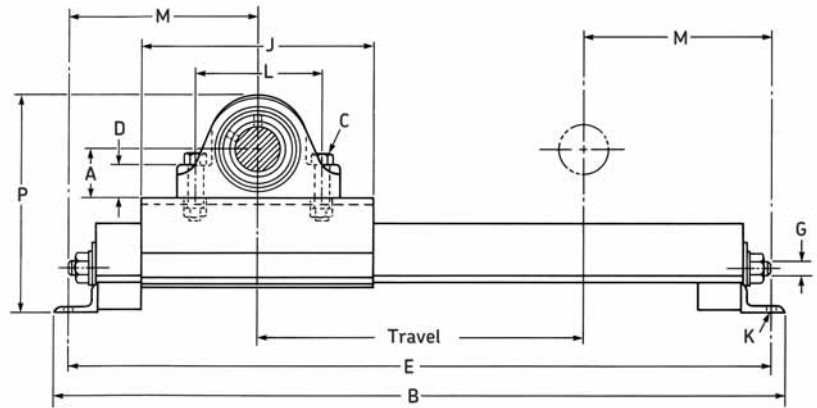
Take-up frames / top mount

TFT (Pillow block not included)
 SYE, SYE-N, SYR, SYR-N
 Top mount
 Steel frame
 Protected screw

Specification: 2⁷/₁₆" shaft, 18" travel,
 SYE held pillow block

How to order

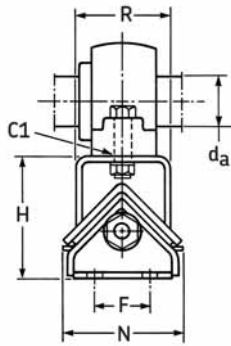
Frame TFT 03-18
 Pillow block SYE 2⁷/₁₆ H



Shaft dia. d _a	Designations Basic frame	Pillow block		Travel and code no.	Mass
		Collar-mounted	ConCentra		
in	—			in	lb
1 ⁷ / ₁₆	TFT 01 XX	SYE 1 ⁷ / ₁₆	SYE 1 ⁷ / ₁₆ N	12	30.0
1 ¹ / ₂		SYE 1 ¹ / ₂	SYE 1 ¹ / ₂ N	18	35.0
1 ¹¹ / ₁₆		SYE 1 ¹¹ / ₁₆	SYE 1 ¹¹ / ₁₆ N	24	40.0
1 ³ / ₄	TFT 02 XX	SYE 1 ³ / ₄	SYE 1 ³ / ₄ N	30	50.0
1 ¹⁵ / ₁₆		SYE 1 ¹⁵ / ₁₆	SYE 1 ¹⁵ / ₁₆ N	36	56.0
2		SYE 2	SYE 2 N		
2 ³ / ₁₆	TFT 03 XX	SYE 2 ³ / ₁₆	SYE 2 ³ / ₁₆ N	18	125
				24	130
2 ⁷ / ₁₆		SYE 2 ⁷ / ₁₆	SYE 2 ⁷ / ₁₆ N	30	135
2 ¹ / ₂		SYE 2 ¹ / ₂	SYE 2 ¹ / ₂ N	36	140
2 ¹¹ / ₁₆	TFT 04 XX	SYE 2 ¹¹ / ₁₆	SYE 2 ¹¹ / ₁₆ N	18	180
2 ³ / ₄		SYE 2 ³ / ₄	SYE 2 ³ / ₄ N	24	190
2 ¹⁵ / ₁₆		SYE 2 ¹⁵ / ₁₆	SYE 2 ¹⁵ / ₁₆ N	30	205
		SYE 3	SYE 3 N	36	215
3				48	235
3 ⁷ / ₁₆	TFT 06 XX	SYE 3 ⁷ / ₁₆	SYE 3 ⁷ / ₁₆ N	18	195
3 ¹ / ₂		SYE 3 ¹ / ₂	SYE 3 ¹ / ₂ N	24	210
				30	215
				36	230
				48	245

Take-up frames / top mount

TFT (Pillow block not included)
 SYE, SYE-N, SYR, SYR-N
 Top mount
 Steel frame
 Protected screw



Specification: 2⁷/₁₆" shaft, 18" travel,
 SYE held pillow block

How to order

Frame TFT 03-18
 Pillow block SYE 2⁷/₁₆ H

Shaft dia. d _a	Travel and code no.	A	B	Bolt size (2 req'd) C	Frame hole				Rod dia.			Bolt dia. K	L		M	N	P	R		
					C1	D	E	F	G	H	J		Max	Min						
1 ⁷ / ₁₆	12 18 24 30 36	1 ⁷ / ₈	31	1 ¹ / ₂ -13 x 2 ¹ / ₂	9 ⁹ / ₁₆	1 ¹ / ₈	29	2 ¹ / ₂	1	5 ¹ / ₄	11	5 ⁵ / ₈	6	5 ¹ / ₂	8 ¹ / ₂	5 ⁵ / ₈	9 ¹ / ₈	4		
1 ¹ / ₂		2 ³ / ₈		1 ¹ / ₂ -13 x 2 ¹ / ₂		1 ¹ / ₄							35	6 ¹ / ₂			6		9 ¹ / ₂	
1 ¹¹ / ₁₆		2 ³ / ₄	5 ⁵ / ₈ -11 x 3	1 ⁵ / ₁₆		41							7 ¹ / ₄	6 ³ / ₄			9 ¹³ / ₁₆			
1 ³ / ₄	30 36	2 ³ / ₄	49	5 ⁵ / ₈ -11 x 3	1 ¹¹ / ₁₆	1 ⁵ / ₁₆	47	3	1	6 ¹ / ₄	13 ¹ / ₄	5 ⁵ / ₈	8	7 ¹ / ₂	10 ³ / ₈	6 ⁵ / ₈	11 ¹ / ₄	4 ³ / ₄		
1 ¹⁵ / ₁₆													59 ¹ / ₄	5 ⁵ / ₈ -11 x 3 ¹ / ₄			1 ⁵ / ₈		50 ³ / ₄	8 ³ / ₄	8^{1}/_{4}	11^{15}/_{16}
2		59 ¹ / ₄	5 ⁵ / ₈ -11 x 3 ¹ / ₄	1 ⁵ / ₈									56 ³ / ₄	8 ³ / ₄			8 ¹ / ₄		11 ¹⁵ / ₁₆	
2 ³ / ₁₆	18 24 30 36	2 ¹ / ₂	41 ¹ / ₄ 47 ¹ / ₄	5 ⁵ / ₈ -11 x 3	1 ¹¹ / ₁₆	1 ¹ / ₂	38 ³ / ₄ 44 ³ / ₄	3	1	6 ¹ / ₄	13 ¹ / ₄	5 ⁵ / ₈	8	7 ¹ / ₂	10 ³ / ₈	6 ⁵ / ₈	11 ¹ / ₄	4 ³ / ₄		
2 ⁷ / ₁₆													2 ³ / ₄	53 ¹ / ₄			5 ⁵ / ₈ -11 x 3 ¹ / ₄		1 ⁵ / ₈	50 ³ / ₄	8^{3}/_{4}	8^{1}/_{4}	11^{15}/_{16}
2 ¹ / ₂		2 ³ / ₄	59 ¹ / ₄	5 ⁵ / ₈ -11 x 3 ¹ / ₄									1 ⁵ / ₈	56 ³ / ₄			8 ³ / ₄		8 ¹ / ₄	11 ¹⁵ / ₁₆
2 ¹¹ / ₁₆	18 24 30 36 48	3 ³ / ₈	44 ¹ / ₄ 50 ¹ / ₄ 56 ¹ / ₄ 62 ¹ / ₄ 74 ¹ / ₄	3 ³ / ₄ -10 x 3 ¹ / ₂	1 ¹³ / ₁₆	1 ⁷ / ₈	41 ¹ / ₂ 47 ¹ / ₂ 53 ¹ / ₂ 59 ¹ / ₂ 71 ¹ / ₂	3	1 ¹ / ₄	7	14 ¹ / ₄	3 ³ / ₄	9 ³ / ₄	9 ¹ / ₄	11 ³ / ₄	8 ¹ / ₂	13 ⁷ / ₁₆	5		
2 ³ / ₄																				
2 ¹⁵ / ₁₆																				
3																				
3																				
3 ⁷ / ₁₆	18 24 30 36 48	3 ³ / ₄	46 52 58 64 76	7 ⁷ / ₈ -9 x 4	1 ¹⁵ / ₁₆	2 ¹ / ₄	43 ¹ / ₄ 49 ¹ / ₄ 55 ¹ / ₄ 61 ¹ / ₄ 73 ¹ / ₄	3	1 ¹ / ₄	7	16	3 ³ / ₄	11 ⁵ / ₁₆	10 ¹¹ / ₁₆	12 ⁵ / ₈	8 ¹ / ₂	14 ¹ / ₂	6		
3 ¹ / ₂																				
3 ¹ / ₂																				
3 ¹ / ₂																				
3 ¹ / ₂																				

Roller bearing units

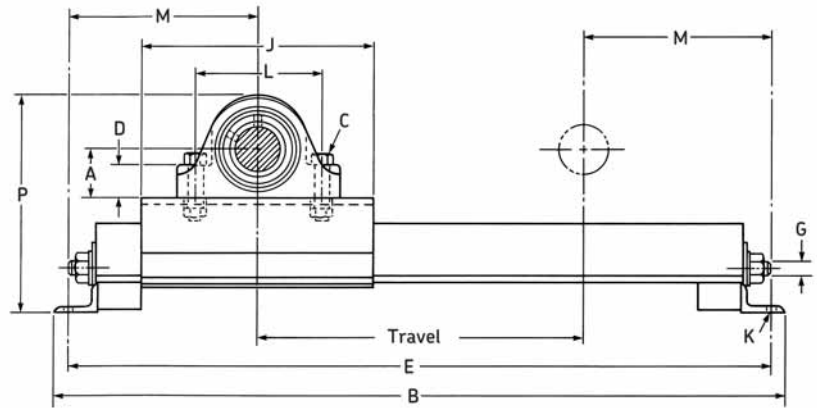
Take-up frames / top mount

TFT (Pillow block not included)
 SYR, SYR-N
 Top mount
 Steel frame
 Protected screw

Specification: 2⁷/₁₆" shaft, 18" travel,
 SYR held pillow block

How to order

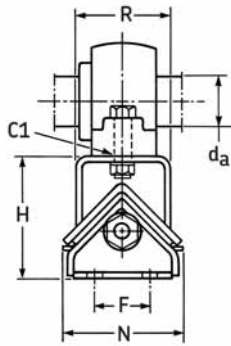
Frame TFT 03-18
 Pillow block SYR 2⁷/₁₆ H



Shaft dia. d _a	Designations Basic frame	Pillow Block		Travel and code no.	Mass
		Collar-mounted	ConCentra		
in	—			in	lb
1 ⁷ / ₁₆ 1 ¹ / ₂	TFT 01 XX	SYR 1 ⁷ / ₁₆ SYR 1 ¹ / ₂	SYR 1 ⁷ / ₁₆ N SYR 1 ¹ / ₂ N	12 18	30.0 35.0
1 ¹¹ / ₁₆ 1 ³ / ₄		SYR 1 ¹¹ / ₁₆ SYR 1 ³ / ₄	SYR 1 ¹¹ / ₁₆ N SYR 1 ³ / ₄ N	24 30	40.0 50.0
1 ¹⁵ / ₁₆ 2		SYR 1 ¹⁵ / ₁₆ SYR 2	SYR 1 ¹⁵ / ₁₆ N SYR 2 N	36	56.0
2 ³ / ₁₆		TFT 03 XX	SYR 2 ³ / ₁₆	SYR 2 ³ / ₁₆ N	18 24	125 130
2 ⁷ / ₁₆ 2 ¹ / ₂	SYR 2 ⁷ / ₁₆ SYR 2 ¹ / ₂		SYR 2 ⁷ / ₁₆ N SYR 2 ¹ / ₂ N	30 36	135 140
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	SYR 2 ¹¹ / ₁₆ SYR 2 ³ / ₄ SYR 2 ¹⁵ / ₁₆ SYR 3		SYR 2 ¹¹ / ₁₆ N SYR 2 ³ / ₄ N SYR 2 ¹⁵ / ₁₆ N SYR 3 N	18 24 30 36 48	180 190 205 215 235
3 ⁷ / ₁₆ 3 ¹ / ₂	TFT 06 XX	SYR 3 ⁷ / ₁₆ SYR 3 ¹ / ₂	SYR 3 ⁷ / ₁₆ N SYR 3 ¹ / ₂ N	18 24 30 36 48	195 210 215 230 245
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆	TFT 07 XX	SYR 3 ¹¹ / ₁₆ SYR 3 ¹⁵ / ₁₆	SYR 3 ¹¹ / ₁₆ N SYR 3 ¹⁵ / ₁₆ N	18 24 30 36 48	330 340 360 370 390

Take-up frames / top mount

TFT (Pillow block not included)
 SYR, SYR-N
 Top mount
 Steel frame
 Protected screw



Specification: 2⁷/₁₆" shaft, 18" travel, SYR held pillow block

How to order

Frame TFT 03-18
 Pillow block SYR 2⁷/₁₆ H

Shaft dia. d _a	Travel and code no.	A	B	Bolt size (2 req'd) C	Frame hole			Rod dia.			Bolt dia. K	L Max	L Min	M	N	P	R	
					C1	D	E	F	G	H								J
in	in	in	in	in	in	in	in				in	in						
1 ⁷ / ₁₆ 1 ¹ / ₂	12 18	1 ⁷ / ₈	31 37	1/2-13 x 2 ¹ / ₂	9/16	1 ³ / ₁₆	29 35	2 ¹ / ₂	1	5 ¹ / ₄	11	5/8	7	4 ¹¹ / ₁₆	8 ¹ / ₂	5 ⁷ / ₈	9 ¹ / ₈	
1 ¹¹ / ₁₆ 1 ³ / ₄	24 30	2 ¹ / ₈	43 49			1 ⁵ / ₁₆	41 47										9 ¹ / ₂	
1 ¹⁵ / ₁₆ 2	36	2 ¹ / ₄	55	5/8-11 x 3	1 ¹ / ₁₆	1 ³ / ₈	53					7 ⁷ / ₈	5 ¹⁵ / ₁₆				9 ¹³ / ₁₆	
2 ³ / ₁₆	18 24	2 ¹ / ₂	41 ¹ / ₄ 47 ³ / ₄	5/8-11 x 3	1 ¹ / ₁₆	1 ⁵ / ₈	38 ³ / ₄ 44 ³ / ₄	3	1	6 ¹ / ₄	13 ¹ / ₄	5/8	9 ⁵ / ₈	6 ⁷ / ₁₆	10 ³ / ₈	6 ⁵ / ₈	11 ¹ / ₄	
2 ⁷ / ₁₆ 2 ¹ / ₂	30 36	2 ³ / ₄	53 ¹ / ₄ 59 ¹ / ₄	5/8-11 x 3 ¹ / ₄		1 ³ / ₄	50 ³ / ₄ 56 ³ / ₄										11 ¹⁵ / ₁₆	
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3	18 24 30 36 48	3 ¹ / ₈	44 ¹ / ₄ 50 ¹ / ₄ 56 ¹ / ₄ 62 ¹ / ₄ 74 ¹ / ₄	3/4-10 x 3 ¹ / ₂	1 ³ / ₁₆	2 ¹ / ₄	41 ¹ / ₂ 47 ¹ / ₂ 53 ¹ / ₂ 59 ¹ / ₂ 71 ¹ / ₂	3	1 ¹ / ₄	7	14 ¹ / ₄	3/4	11	7 ¹³ / ₁₆	11 ³ / ₄	8 ¹ / ₂	13 ⁷ / ₁₆	5
3 ⁷ / ₁₆ 3 ¹ / ₂	18 24 30 36 48	3 ³ / ₄	46 52 58 64 76	7/8-9 x 4	1 ⁵ / ₁₆	2 ¹ / ₄	43 ¹ / ₄ 49 ¹ / ₄ 55 ¹ / ₄ 61 ¹ / ₄ 73 ¹ / ₄	3	1 ¹ / ₄	7	16	3/4	13 ¹ / ₈	9 ¹ / ₄	12 ⁵ / ₈	8 ¹ / ₂	14 ¹ / ₂	6
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆	18 24 30 36 48	4 ¹ / ₈	50 56 62 68 80	1-8 x 4 ¹ / ₂	1 ¹ / ₁₆	2 ¹ / ₂	47 ¹ / ₄ 53 ¹ / ₄ 59 ¹ / ₄ 65 ¹ / ₄ 77 ¹ / ₄	3	1 ¹ / ₄	7	20	3/4	11	10 ³ / ₄	14 ⁵ / ₈	8 ¹ / ₂	15 ⁷ / ₁₆	7 ¹ / ₄

Roller bearing units

Insert bearings / collar-mounted

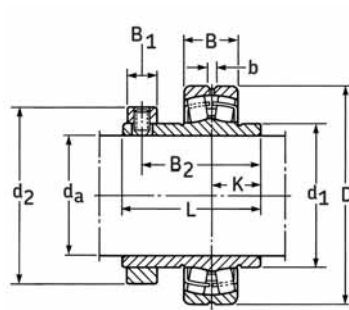
4762(00)B and 4762(00)B-VSB series

Table 19A

Radial internal clearance

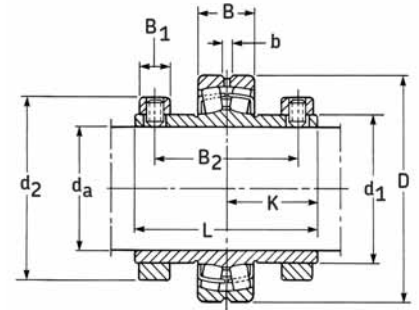
SKF unit roller insert bearings are produced as standard with radial internal clearance within the limits shown in the table below

Shaft sizes in	Internal clearance			
	in		mm	
	min	max	min	max
$1\frac{7}{16} - 1\frac{1}{2}$	.0010	.0020	.025	.050
$1\frac{11}{16} - 2$	.0012	.0022	.030	.055
$2\frac{3}{16} - 2\frac{1}{2}$	.0014	.0026	.035	.065
$2\frac{11}{16} - 3$	.0018	.0031	.045	.080
$3\frac{7}{16} - 4$	.0024	.0039	.060	.100
$4\frac{7}{16} - 4\frac{1}{2}$	.0028	.0047	.070	.120
$4\frac{15}{16}$	.0035	.0057	.090	.145



Series 4762B

Shaft sizes
 $1\frac{7}{16}$ thru 4



Series 4762B-VSB

Shaft sizes
 $4\frac{7}{16}$ thru $4\frac{15}{16}$

Shaft dia. d_a	Designation	Bearing basic load rating			Set screw size	Mass	Calculation factors											
		D	B	L			dynamic C	Static C_0	b	B_1	B_2	d_1	K	d_2	e	Y_1	Y_2	Y_0
in		mm	mm	in	lb	lb	in	in	in	in	in	in	in	in	in	in	in	in
$1\frac{7}{16}$ $1\frac{1}{2}$	476208B-107 476208B-108	80	23	$2\frac{3}{4}$	16 600	18 300	.219	$\frac{5}{8}$	$2\frac{3}{8}$	1.908	1	$2\frac{3}{8}$	$\frac{3}{8}$ -24 x $\frac{1}{2}$	2.50 2.45	0.28	2.4	3.6	2.5
$1\frac{11}{16}$ $1\frac{3}{4}$	476209B-111 476209B-112	85	23	$2\frac{7}{8}$	17 300	19 800	.219	$\frac{5}{8}$	$2\frac{3}{8}$	2.157	1	$2\frac{5}{8}$	$\frac{3}{8}$ -24 x $\frac{1}{2}$	2.75 2.70	0.26	2.6	3.9	2.5
$1\frac{15}{16}$ 2	476210B-115 476210B-200	90	23	$2\frac{7}{8}$	19 000	22 500	.219	$\frac{5}{8}$	$2\frac{15}{32}$	2.357	1	$2\frac{7}{8}$	$\frac{3}{8}$ -24 x $\frac{1}{2}$	2.90 2.80	0.24	2.8	4.2	2.8
$2\frac{3}{16}$	476211B-203	100	25	$3\frac{1}{8}$	22 400	26 500	.219	$\frac{3}{4}$	$2\frac{23}{32}$	2.600	$1\frac{1}{8}$	$3\frac{1}{4}$	$\frac{3}{8}$ -24 x $\frac{1}{2}$	3.90	0.24	2.8	4.2	2.8
$2\frac{7}{16}$ $2\frac{1}{2}$	476213B-207 476213B-208	120	31	$3\frac{3}{8}$	33 300	41 100	.219	$\frac{7}{8}$	$2\frac{15}{16}$	3.088	$1\frac{1}{4}$	4	$\frac{1}{2}$ -20 x $\frac{3}{4}$	6.75	0.24	2.8	4.2	2.8
$2\frac{11}{16}$ $3\frac{3}{4}$ $2\frac{15}{16}$ 3	476215B-211 476215B-212 476215B-215 476215B-300	130	31	$3\frac{5}{8}$	35 500	46 800	.219	$\frac{7}{8}$	$3\frac{1}{16}$	3.491	$1\frac{1}{4}$	$4\frac{1}{2}$	$\frac{1}{2}$ -20 x $\frac{7}{8}$	9.35	0.22	3	4.6	2.8
$3\frac{7}{16}$ $3\frac{1}{2}$	476218B-307 476218B-308	160	40	$4\frac{1}{32}$	56 900	76 400	.219	$\frac{7}{8}$	$3\frac{15}{32}$	4.224	$1\frac{7}{16}$	$5\frac{1}{8}$	$\frac{1}{2}$ -20 x $\frac{7}{8}$	13.5	0.23	2.9	4.4	2.8
$3\frac{11}{16}$ $3\frac{15}{16}$ 4	476220B-311 476220B-315 476220B-400	180	46	$4\frac{19}{32}$	69 900	93 300	.328	1	$3\frac{15}{16}$	4.650	$1\frac{5}{8}$	6	$\frac{5}{8}$ -18 x 1	19.5	0.24	2.8	4.2	2.8
$4\frac{7}{16}$ $4\frac{1}{2}$	476222B-407VSB 476222B-408VSB	200	53	$6\frac{1}{8}$	91 700	126 000	.328	1	$5\frac{1}{8}$	5.029	$3\frac{1}{16}$	$6\frac{1}{8}$	$\frac{5}{8}$ -18 x $\frac{7}{8}$	29.5	0.25	2.7	4	2.5
$4\frac{15}{16}$	476226B-415VSB	230	64	$6\frac{5}{8}$	123 000	180 000	.438	1	$5\frac{5}{8}$	5.819	$3\frac{5}{16}$	$6\frac{7}{8}$	$\frac{5}{8}$ -18 x $\frac{7}{8}$	46.5	0.26	2.6	3.9	2.5

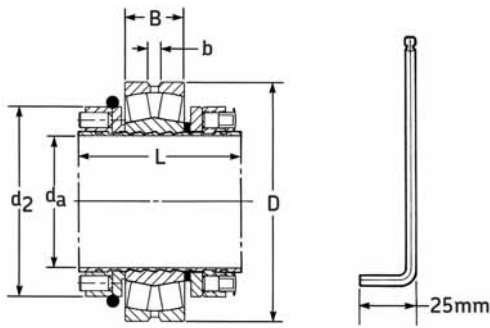
Consult SKF USA Inc. prior to design change or order placement.

BSYB 4752(00) Series

Table 19B

Radial internal clearance

SKF unit roller insert bearings are produced as standard with radial internal clearance within the limits shown in the table below



3mm allen wrench
supplied with each unit

Shaft sizes	Internal clearance					
	in		µm		mm	
	min	max	min	max	min	max
1 ⁷ / ₁₆ - 1 ¹ / ₂	.0020	.0026	50	65	.050	.065
1 ¹¹ / ₁₆ - 2	.0024	.0031	60	80	.060	.080
2 ³ / ₁₆ - 2 ¹ / ₂	.0030	.0037	75	95	.075	.095
2 ¹¹ / ₁₆ - 3	.0037	.0047	95	120	.095	.120
3 ⁷ / ₁₆ - 4	.0043	.0055	110	140	.110	.140

Shaft dia. d _a	Designation				Bearing basic load rating					Mass	No. mounting screws (M6X1)	Calculation factors			
		D	B	L	dynamic C	Static C ₀	b	d ₂	B ₁			e	Y ₁	Y ₂	Y ₀
in (mm)		mm	mm	in	lb		in	mm	in	lb	qty				
(35)	BSYB 475207	72	23	2 ¹¹ / ₃₂	17 200	16 500	.219	57	2 ⁹ / ₆₄	1.75	3	0.31	2.2	3.3	2.2
1 ⁷ / ₁₆ 1 ¹ / ₂ (40)	BSYB 475208-107 BSYB 475208-108 BSYB 475208	80	23	2 ¹¹ / ₃₂	22 900	22 000	.219	62	2 ¹ / ₈	1.85	3	0.28	2.4	3.6	2.5
1 ¹¹ / ₁₆ 1 ³ / ₄ (45)	BSYB 475209-111 BSYB 475209-112 BSYB 475209	85	23	2 ¹¹ / ₃₂	20 200	19 800	.219	68	2 ¹ / ₈	2.42	3	0.26	2.6	3.9	2.5
1 ¹⁵ / ₁₆ 2 (50)	BSYB 475210-115 BSYB 475210-200 BSYB 475210	90	23	2 ¹¹ / ₃₂	21 700	22 500	.219	72	2 ¹ / ₈	2.42	3	0.24	2.8	4.2	2.8
2 ³ / ₁₆ (55)	BSYB 475211-203 BSYB 475211	100	25	2 ¹¹ / ₃₂	30 100	30 800	.219	77.56	2 ⁷ / ₃₂	2.98	3	0.24	2.8	4.2	2.8
(60)	BSYB 475212	110	23	2 ³⁷ / ₆₄	36 700	38 900	.219	85	2 ¹¹ / ₃₂	4.81	4	0.24	2.8	4.2	2.8
2 ⁷ / ₁₆ 2 ¹ / ₂ (65)	BSYB 475213-207 BSYB 475213-208 BSYB 475213	120	31	2 ³⁷ / ₆₄	43 400	41 100	.219	87	2 ²⁹ / ₆₄	4.85	4	0.24	2.8	4.2	2.8
(70)	BSYB 475214	125	31	2 ³⁷ / ₆₄	46 800	51 300	.219	95	2 ¹⁵ / ₃₂	5.95	5	0.23	2.9	4.4	2.8
2 ¹¹ / ₁₆ 2 ³ / ₄ 2 ¹⁵ / ₁₆ 3 (75)	BSYB 475215-211 BSYB 475215-212 BSYB 475215-215 BSYB 475215-300 BSYB 475215	130	31	2 ³⁷ / ₆₄	47 700	54 000	.219	97	2 ²⁹ / ₆₄	5.29	4 4 5 4 4	0.22	3	4.6	2.8
3 ⁷ / ₁₆ 3 ¹ / ₂	BSYB 475218-307 BSYB 475218-308	160	40	3 ⁹ / ₆₄	65 200	76 400	.219	113	2 ⁵³ / ₆₄	10.88	7	0.23	2.9	4.4	2.8
3 ¹¹ / ₁₆ 3 ¹⁵ / ₁₆ 4	BSYB 475220-311 BSYB 475220-315 BSYB 475220-400	180	46	3 ²⁵ / ₆₄	81 000	93 300	.328	125	3 ¹ / ₁₆	15.95	7	0.24	2.8	4.2	2.8

Notes