#3A

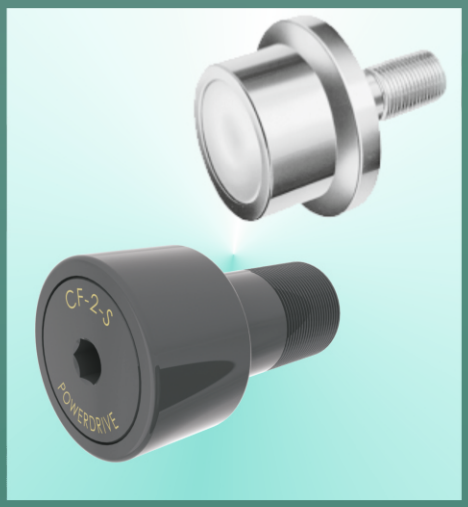
PowerDrive LLC

MECHANICAL P.T. COMPONENTS

www.powerdrive.com

BEARINGS

TRACK ROLLER , CAM FOLLOWER , YOKE ROLLER, NEEDLE ROLLER

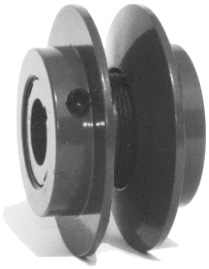


Toll Free : 877-564-1600

info@powerdrive.com

SHEAVES

FIXED PITCH	AK15 to AK184	2 AK20 to 2AK184
	BK23 to BK190	2BK25 to 2BK190
		3BK25 to 3BK40
	AS15 to AS124	BS24 to BS190
	AL54 to AL124	OK12 to OK100
VARIABLE PITCH	1VP25 to 1VP75	2VP36 to 2VP75
	1VL25 to 1VL44	
H BUSHED	AK30H to AK184H	2AK30H to 2AK184H
	BK30H to BK190H	2BK32H to 2BK190H
		3BK25H to 3BK190H
QUICK DETACHABLE	1B to 10B	
	3C to 12C	
	1-3V to 10-3V	
	2-5V to 10-5V	
SPLIT TAPER(ST™)	1TA to 4TA	
	1TB to 6TB	
	1TC to 6TC	

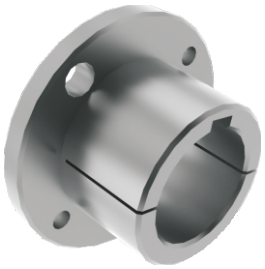


T5V™ TRUE 5V SHEAVES

Material :- Cast Iron, Aluminum, Zinc & Nylon

BUSHINGS & HUBS

QUICK DETACHABLE	JA, SH, SDS, SD, SK, SF, E, F, J, M, N & P U2, W1, W2 & Y0
SPLIT TAPER (ST™)	G, H, P1 - P3, B, Q1 - Q3, R1, S1, S2, O0, U1, U2, W1, W2 & Y0
TAPER LOCK®	1008, 1108, 1210, 1215, 1610, 1615, 2012, 2517, 2525, 3020, 3030, 4040, 4545 & 5050
XTB / XTH®	15, 20, 25, 30, 35, 40, 45, 50, 60, 70, 80,100 & 120



SPROCKETS

ROLLER CHAIN SPROCKETS
INDUCTION HARDENED

TYPE	PITCH	
A	25 to 120	1/4" - 1 1/2"
B	35 to 100	3/8 - 1 1/4
FB	35 to 80	3/8 - 1
ST	35 to 80	3/8 - 1
TL	35 to 80	3/8 - 1
QUICK DETACHABLE	40 to 80	1/2 - 1

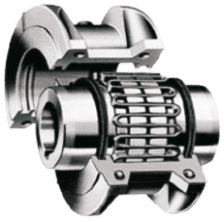
American

	25	35	40	50	60
Tooth No.	10 - 80	9 - 80	8 - 90	8 - 90	8 - 90

	80	100	120	140	160
Tooth No.	9 - 90	9 - 90	9 - 80	10 - 60	10 - 60

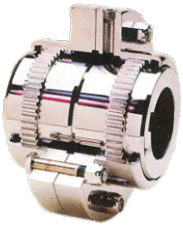
All available in Single, Double & Triple configuration
Each type available from 8 thru 125 teeth.

COUPLINGS



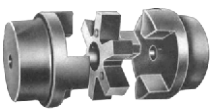
GRID COUPLING

Available in 19 sizes with a max. bore of 13" and max. torque of 1,500,000 in-lbs.
Both horizontal and vertical split cover designs. Fully interchangeable with industry standards
Tapered grid design provides torsional damping Sizes available from 1020 to 1200



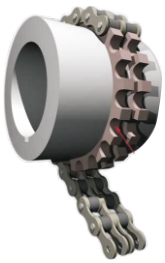
GEAR COUPLING

Available from 1010 to 1070 , with a max. bore of 44" and max. torque of 54,390,000 in-lbs
Various types :Continuous Sleeve, Flanged Sleeve, Labyrinth Seal, Alloy Steel & Nylon Sleeve couplings are available High Performance, Heavy Duty, Slow speed couplings and special OEM gear couplings are also available Sizes



JAW COUPLING

Jaw Type couplings are available in 24 sizes from a minimum torque rating of 3.5 in–lbs to a maximum torque rating of 170,004 in–lbs and a bore range of .125 inches to 7 inches.



CHAIN COUPLING

Chain couplings have harden tooth sprocket that provide long life
Commonly used in slow speed high torque application
Available with Split Taper(ST™) and Taper bore® bushing

For more information call 606-564-6100 or Fax at 606-564-5700 or email us at info@powerdrive.com

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Note: All Measurement and Dimensions are In Inch

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Bearing Life & Load Calculations

•INTRODUCTION:

Experience shows seemingly identical rolling bearings operated under identical conditions may not last the same amount of time. In most cases, it is impractical to test a statistically significant number of bearings, so engineers rely on standardized bearing-life calculations to select and size bearings for a particular application. These calculations continue to evolve and become more accurate over time, reflecting the collective experience of the bearing industry, including recent advances in manufacturing, Tribology, materials, end-user condition monitoring, and computation.

Basic life or L_{10} as defined in ISO and ABMA standards is the life that 90% of a sufficiently large group of apparently identical bearings can be expected to reach or exceed. The median or average life, sometimes called Mean Time Between Failure (MTBF), is about five times the calculated basic rating life. Service life is the life of a bearing under actual operating conditions before it fails or needs to be replaced for whatever reason. The so-called specification life is generally a requisite L10 basic rating life and reflects a manufacturer's requirement based on experience with similar applications.

• BEARING LOADS

Engineers typically employ rolling-contact fatigue models that compare bearing load ratings to applied dynamic and static loads as they impact service life and reliability.

Dynamic Load Rating

The basic dynamic load rating covers dynamically stressed bearings that rotate under load. This rating, defined in ISO 281, is the bearing load that results in a basic rating life or L_{10} of 1 million revolutions. Dynamic loads should include a representative duty cycle or spectrum of load conditions and any peak loads.

Static Load Rating

The basic static load rating applies to bearings that rotate at speeds less than 10 rpm, slowly oscillate, or remain stationary under load over certain periods. Be sure to include loads of extremely short duration (shock) because they may plastically deform contact surfaces and compromise bearing integrity.

•BEARING LIFE

Properly selected bearings that have been suitably mounted and lubricated will operate for extended periods of time with minimal wear until the fatigue life of the rolling elements is reached. Fatigue life of a bearing is reached when "Spalling" or flaking of the contact surfaces (rolling element and raceway) occur from repeated stresses. Once the fatigue life of the rolling element or raceway is reached, wear and ultimate failure of the bearing will occur very rapidly. The purpose is to select the proper type and size of bearing for the intended application in order to optimize performance and operating life.

The life of a bearing can be defined in terms of hours of operation or number of revolutions the bearing will endure before failure. We need to keep in mind that some variations between individual bearings that look identical do exist. The most common definition of bearing life as defined by the ABMA (American Bearing Manufacturer's Association) is referred to as the L_{10} life. The "L_{10} life" of a bearing is the number of hours that 0% of a group of seemingly identical bearings will operate prior to fatigue failure occurring. The L_{10} life can also be expressed in the number of revolutions when the speed is known. When selecting a bearing the machine designer should select an appropriate L_{10} life for the particular application.

The life expectancy **(L_{10} life)** in hours of a bearing can be calculated by using the following formula:

$$L_{10} = \frac{16666}{N}\left(\frac{BDR}{P}\right)^{10/3}$$

The Basic Dynamic Rating (BDR) required for a given application can be calculated by using following formula:

$$BDR = .054 \times P \times (L_{10} \times N)^{.3}$$

L_{10} = Life of the bearing in hours of operation
BDR = Basic Dynamic Rating of the bearing
P = Radial Load (lbs)
N = Speed (RPM)

Bearing Life & Load Calculations

Example 1:

Determine the L_{10} life of a **CF-2 1/4** cam follower operating at a speed of 600 RPM under a load of 1000 lbs:

Find the **Basic Dynamic Rating (BDR)** in the specification page for the **CF-2 1/4** cam follower:

BDR (Basic Dynamic Rating) = **8090 lbs**

From the given formula:

$$L_{10} = \frac{16666}{N}\left(\frac{BDR}{P}\right)^{10/3}$$

$$L_{10} = \frac{16666}{600}\left(\frac{8090}{1000}\right)^{10/3}$$

$$L_{10} = 27{,}536 \text{ hrs.}$$

Note: This shows the expected operating life for the **CF-2 1/4** under the above conditions is **27,536** hours. If a longer life span is desired and room for installation permits, a larger bearing with a higher Basic Dynamic Rating (BDR) could be selected. For example: **CF-2 1/2** cam follower with a BDR (Basic Dynamic Rating) of **11720 lbs** will operate for 93,570 hours in the identical application.

Example 2:

Find the Basic Dynamic Rating required for **MR** bearing operating rate 1000 rmp with a load of 800 lbs. The required L_{10} life will be 25,000 hours.

To determine L_{10} life use the formula:

$$BDR = 0.054 \times P \times (L_{10} \times N)^{0.3}$$

$$BDR = 0.054 \times 800 \times (25{,}000 \times 1{,}000)^{0.3}$$

$$BDR = 7159 \text{ lbs}$$

Note: MR-14 Roller Bearing with a Basic Dynamic Rating (BDR) of 7240 lbs would be chosen for this application.

If MR-12 Roller Bearing with a Basic Dynamic Rating (BDR) of 6830 lbs. were used then operating life would be reduced to 19,734 hrs. as per Example 1.

•TRACK CAPACITY:

In normal applications cam followers and yoke rollers operate against a track, cam or rail on a piece of machinery or equipment. The Track Capacity is the maximum load that a steel track of a given tensile strength will withstand without plastic deformation or brinelling of the track surface.

Track capacities increase with larger bearings due to the increase in contact surface. Table 1 allow you to determine the track capacities for steel tracks of various hardness and tensile strengths when used with different size cam followers, yoke rollers and Track rollers.

When using crowned bearings assume 80% of the value for track capacities due to a decrease in contact area between the track and bearing outer race.To determine the Track Capacity for a particular track of given hardness or tensile strength and bearing size, multiply the Capacity Factor in Table 2 by the Track Capacity in Table 1.

Table 1

TRACK TENSILE STRENGTH PSI.	TRACK HARDNESS ROCKWELL "C"	TRACK CAPACITY FAC TOR
120,000	26	.445
140,000	32	.607
160,000	36	.792
180,000	40	1.000
200,000	44	1.237
220,000	47	1.495
240,000	50	1.775
260,000	53	2.090
280,000	56	2.420
300,000	58	2.780

Table 2

BASIC BEARING NO.	TRACK CAPACITY LBS.	BASIC BEARING NO.	TRACK CAPACITY LBS.
1/2-N	485	1 7/8	5,415
1/2	530	2	7,350
9/16	595	2 1/4	8,260
5/8-N	725	2 1/2	11,100
5/8	785	2 3/4	12,250
11/16	865	3	15, 050
3/4	1,085	3 1/4	16,300
7/8	1,260	3 1/2	20,200
1	1,835	4	26, 200
1 1/8	2,060	5	38, 600
1 1/4	2,660	6	55, 600
1 3/8	2,920	7	75, 600
1 1/2	3,760	8	94, 000
1 5/8	4,065	9	118,000
1 3/4	5,060	10	145,000

Table 3: Typical Bearing Life for Various Design Applications

Uses	Design life in hours
Agricultural equipment	3000 – 6000
Aircraft equipment	500 – 2000
Automotive	
Race car	500 – 800
Light motor cycle	600 – 1200
Heavy motor cycle	1000 – 2000
Light cars	1000 – 2000
Heavy cars	1500 – 2500
Light trucks	1500 – 2500
Heavy trucks	2000 – 2500
Buses	2000 – 5000
Electrical	
Household appliances	1000 – 2000
Motors ≤ 1/2 hp	1000 – 2000
Motors ≤ 3 hp	8000 – 10000
Motors, medium	10000 – 15000
Motors, large	20000 – 30000
Elevator cables sheaves	40000 – 60000
Mine ventillation fans	40000 – 50000
Propeller thrust bearings	15000 – 25000
Propeller shaft bearings	> 80000
Gear drives	
Boat gearing units	3000 – 5000
Gear drives	> 50000
Ship gear drives	20000 – 30000
Machinery for 8 hour service which are not always fully utilized	14000 – 20000
Machinery for 8 hour service which are fully utilized	20000 – 30000
Machinery for continuous 24 hour service	50000 – 60000

Uses	Design life in hours
Gearing units	
Automotive	600 – 5000
Multipurpose	8000 – 15000
Machine tools	20000
Rail Vehicles	15000 – 25000
Heavy rolling mill	> 50000
Machines	
Beater mills	20000 – 30000
Briquette presses	20000 – 30000
Grinding spindles	1000 – 2000
Machine tools	10000 – 30000
Mining machinery	4000 – 15000
Paper machines	50000 – 80000
Rolling mills	
Small cold mills	5000 – 6000
Large multipurpose mills	8000 – 10000
Rail vehicle axle	
Mining cars	5000
Motor rail cars	16000 – 20000
Open–pit mining cars	20000 – 25000
Streetcars	20000 – 25000
Passenger cars	26000
Freight cars	35000
Locomotive outer bearings	20000 – 25000
Locomotive inner bearings	30000 – 40000
Machinery for short or intermittent opearation where service interruption is of minor importance	4000 – 8000
Machinery for intermittent service where reliable opeara-tion is of great importance	8000 – 14000
Instruments and apparatus in frequent use	0 – 500

•CROWNED O.D.

CF, CFH and CYR series bearings are available with crowned O.D. Crowning of the outer race or roller surface reduces the possibility of edge loading of rollers in applications where misalignment can cause this problem. Crown radius of different sizes of bearing are mentioned in Table 4.

Table 4: OD crown radius

POWERDRIVE BEARING NO.	CROWN RADIUS (INCHES) (R)	BASIC BEARING NO.	CROWN RADIUS (INCHES) (R)
CCF-1/2-N-S	6	CCF- 1 7/ 8- S	20
CCF-1/2-S	7	CCF-2-S	24
CCF-9/16-S	7	CCF-2 1/ 4-S	24
CCF-5/8-N-S	7	CCF-2 1/ 2-S	30
CCF-5/8-S	8	CCF-2 3/ 4-S	30
CCF-11/ 16- S	8	CCF-3-S	30
CCF-3/4-S	10	CCF-3 1/ 4-S	30
CCF-7/8-S	10	CCF-3 1/ 2-S	30
CCF-1-S	12	CCF-4-S	30
CCF-1 1/ 8-S	12	CCF-5-S	48
CCF-1 1/ 4-S	14	CCF-6-S	56
CCF-1 3/ 8-S	14	CCF-7-S	60
CCF-1 1/ 2-S	20	CCF-8-S	40
CCF-1 5/ 8-S	20	CCF-9-S	40
CCF-1 3/ 4-S	20	CCF-10-S	40

Eccentric stud

The eccentric stud feature provides a means of easy radial adjustment for precise positioning of cam followers, track, guide and support rollers.

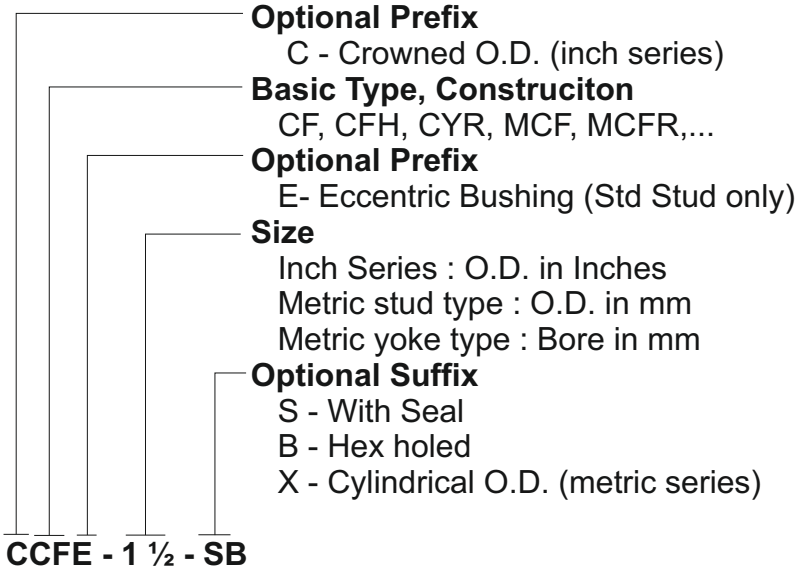
In-line combinations of eccentric stud bearings can be aligned without the need for close tolerances of mounting holes and members. Problems involving control of clearances, pre-loading and compensation for wear can be avoided or solved by the easy adjustment of new bearings.

In most applications, a lock nut is sufficient to hold the bearing at the desired position. In applications where a more positive means of holding a given position is required, this can be accomplished by drilling and dowelling through the housing into the bushing and the stud. The hex socket allows positive torque for adjustment and locking.

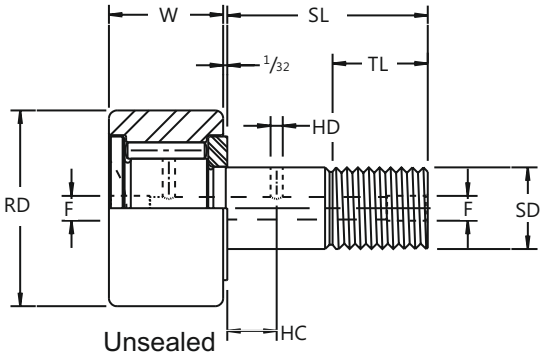
Table 5: Eccentric stud

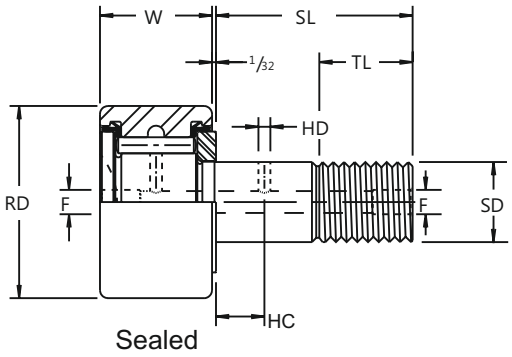
BASIC BEARING NO. BEARING SIZE	BUSHING DIA. ±.001	RECOMMENDED HOUSING BORE DIA. ±.001
½	0.250	0.253
9/16	0.250	0.253
5/8	0.375	0.378
11/16	0.375	0.378
3/4	0.500	0.503
7/8	0.500	0.503
1	0.625	0.628
1 1/8	0.625	0.628
1 1/4	0.687	0.690
1 3/8	0.687	0.690
1 1/2	0.875	0.878
1 5/8	0.875	0.878
1 3/4	1.000	1.003
1 7/8	1.000	1.003
2	1.187	1.190
2 1/4	1.187	1.190
2 1/2	1.375	1.378
2 3/4	1.375	1.378
3	1.750	1.753
3 1/4	1.750	1.753
3 1/2	1.812	1.815
4	2.000	2.003

•STANDARD NOMENCLATURE FOR POWERDRIVE CAMFOLLOWER BEARING



CF & CF-S CAM FOLLOWER



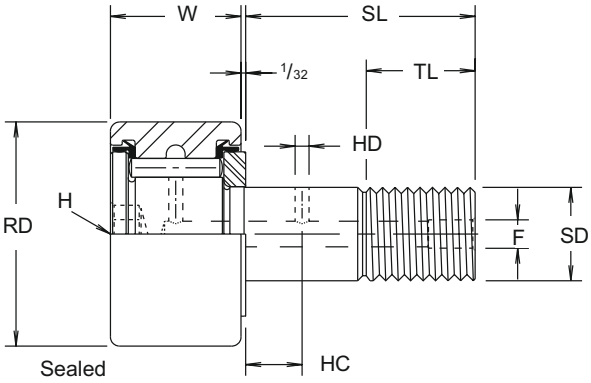


Cam follower CF Series Standered

UNSEALED POWER DRIVE BRG.NO.	SEALED POWERDRIVE BRG NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL.)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	***RECOM. CLAMPING TORQUE LBS.- IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA (HD)						
CF-1/2-N	CF-1/2-N-S	0.500	0.344	0.190	½	1/4	10-32	-	-	1/8*	19/64	0.1903	15	720	620
CF-1/2	CF-1/2-S	0.500	0.375	0.190	5/8	1/4	10-32	-	-	1/8*	19/64	0.1903	15	790	680
CF-9/16	CF-9/16-S	0.562	0.375	0.190	5/8	1/4	10-32	-	-	1/8*	19/64	0.1903	15	790	680
CF-5/8-N	CF-5/8-N-S	0.625	0.406	0.250	5/8	5/16	1/4-28	-	-	1/8*	23/64	0.2503	35	1085	930
CF-5/8	CF-5/8-S	0.625	0.438	0.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	0.2503	35	1215	955
CF-11/16	CF-11/16-S	0.687	0.438	0.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	0.2503	35	1215	955
CF-3/4	CF-3/4-S	0.750	0.500	0.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CF-7/8	CF-7/8-S	0.875	0.500	0.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CF-1	CF-1-S	1.000	0.625	0.438	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CF -1 1/8	CF -1 1/8 -S	1.125	0.625	0.438	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CF 1 1/4	CF 1 1/4-S	1.250	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CF-1 3/8	CF-1 3/8-S	1.375	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CF- 1 1/2	CF- 1 1/2-S	1.500	0.875	0.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CF-1 5/8	CF-1 5/8-S	1.625	0.875	0.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CF-1 3/4	CF-1 3/4-S	1.750	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CF- 17/8	CF- 17/8-S	1.875	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CF-2	CF-2-S	2.000	1.250	0.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CF- 2 1/4	CF- 2 1/4-S	2.250	1.250	0.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CF-2 1/2	CF-2 1/2-S	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-2 3/4	CF-2 3/4-S	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-3.	CF-3.-S	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/4	CF-3 1/4-S	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/2	CF-3 1/2-S	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	1 59/64	1.3753	4200	31625	22800
CF-4	CF-4-S	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	2 9/32	1.5003	5000	44770	29985
	CF-5-S	5.000	2.750	2.000	5 1/16	2 9/16	2-12	7/8	3/16	1/4 N.P.T	2 7/8	2.0003	5000	67950	46575
	CF-6-S	6.000	3.250	2.500	6	3	2 1/2-12	1	3/16	1/4 N.P.T	3 3/8	2.5003	5000	80450	60000
	CF-7-S	7.000	3.750	3.000	7 11/16	4 1/8	3-12	1 1/4	3/16	1/4 N.P.T	3 7/8	3.0003	5000	106930	75380
	CF-8-S ▪	8.000	4.250**	3.250	8 1/2	4 1/4	3 1/4-4 •	-	-	1/4 N.P.T*	4 3/4	3.2503	5000	144100	92200
	CF-9-S ▪	9.000	4.750**	3.750	9 1/2	4 3/4	3 1/2-4 •	-	-	1/4 N.P.T*	5 7/16	3.7503	5000	183430	113260
	CF-10-S ▪	10.000	5.250**	4.250	10	4 3/4	3 1/2-4 •	-	-	1/4 N.P.T*	5 59/64	4.2503	5000	215565	131545

▪ Standard tolerances do not apply. Consult PowerDrive Service.
* Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
** Flange extends 3/4" beyond face of outer race, and endplate extends 1/8" beyond face of outer race.
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
• Coarse threads.

CF-B & CF-SB CAM FOLLOWER

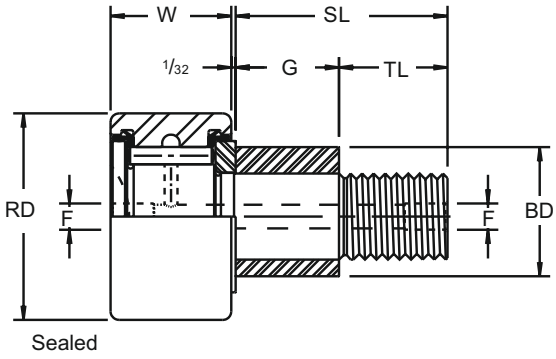


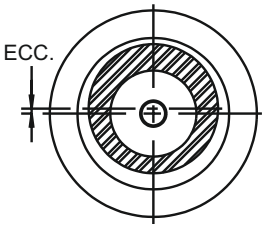
Cam followers with hex holes, with and without seals

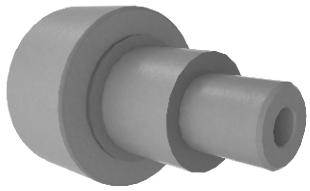
UNSEALED POWER DRIVE BRG.NO.	SEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA(SD) +.001 -.000	STUD L'GTH. (SL)	MIN. THR'D L'GHT. (TL)	FINE THR'DS.	OIL HOLE		LUB. FIT-TING SIZE (F)	MIN BOSS DIA.	HOUSING BORE DIA. +.0002 -.0003	***REMOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING. LBS.
								HOLE CENTER (HC)	HOLE DIA (HD)						
CF-1/2-N-B	**CF-1/2-N-SB**	0.500	0.344	0.190	½	1/4	10-32	-	-	-	19/64	0.1903	15	720	620
CF-1/2-B	**CF-1/2-SB**	0.500	0.375	0.190	5/8	1/4	10-32	-	-	-	19/64	0.1903	15	790	680
CF-9/16-B	**CF-9/16- SB**	0.563	0.375	0.190	5/8	1/4	10-32	-	-	-	19/64	0.1903	15	790	680
CF-5/8-N-B	**CF-5/8-N-SB**	0.625	0.406	0.250	5/8	5/16	1/4-28	-	-	-	23/64	0.2503	35	1085	930
CF-5/8-B	**CF-5/8-SB**	0.625	0.438	0.250	3/4	5/16	1/4-28	-	-	-	23/64	0.2503	35	1215	955
CF-11/16- B	**CF-11/1 6-SB**	0.688	0.438	0.250	3/4	5/16	1/4-28	-	-	-	23/64	0.2503	35	1215	955
CF-3/4-B	**CF-3/4-SB**	0.750	0.500	0.380	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CF-7/8-B	**CF-7/8-SB**	0.875	0.500	0.380	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CF-1-B	**CF-1-SB**	1.000	0.625	0.440	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CF-1 1/8-B	**CF-1 1/8-SB**	1.125	0.625	0.440	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CF-1 1/4-B	**CF-1 1/4-SB**	1.250	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CF-1 3/8-B	**CF-1 3/8-SB**	1.375	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CF-1 1/2-B	**CF-1 1/2-SB**	1.500	0.875	0.630	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CF-1 5/8-B	**CF-1 5/8-SB**	1.625	0.875	0.630	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CF-1 3/4-B	**CF-1 3/4-SB**	1.750	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CF-1 7/8-B	**CF-1 7/8-SB**	1.875	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CF-2-B	**CF-2-SB**	2.000	1.250	0.880	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CF-2 1/4-B	**CF-2 1/4-SB**	2.250	1.250	0.880	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CF-2 1/2-B	**CF-2 1/2-SB**	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-2 3/4-B	**CF-2 3/4-SB**	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-3-B	**CF-3-SB**	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	♦1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/4-B	**CF-3 1/4-SB**	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	♦1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/2-B	**CF-3 1/2-SB**	3.500	2.000	1.380	2 3/4	1 3/8	1 3/8-12	11/16	1/8	♦1/4	1 59/64	1.3753	4200	31625	22800
CF-4-B	**CF-4-SB**	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	♦1/4	2 9/32	1.5003	5000	44770	29985

*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
♦ Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.
Hex hole standard on sizes above CF-4-SB.

CFE & CFE-S CAM FOLLOWER





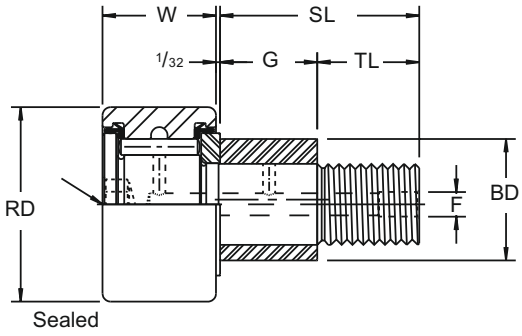


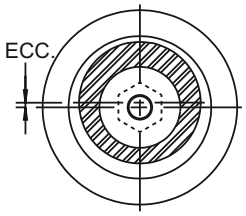
Cam followers with eccentric studs, with and without seals

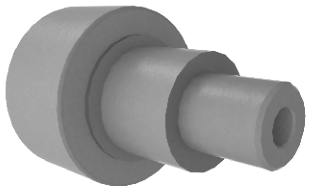
UNSEALED POWER DRIVE BRG.NO.	SEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	BUSH. L'GTH (G*) +.000 -.010	BUSH. DIA. (BD) ±.001 STUD L'GTH	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)**	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CFE-1/2	**CFE-1/2-S**	0.500	0.375	0.375	0.250	5/8	1/4	10-32	0.010	1/8**	15	790	680
CFE-9/16	**CFE-9/16-S**	0.563	0.375	0.375	0.250	5/8	1/4	10-32	0.010	1/8**	15	790	680
CFE-5/8	**CFE-5/8-S**	0.625	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	1/8**	35	1215	955
CFE-11/16	**CFE-11/16-S**	0.688	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	1/8**	35	1215	955
CFE-3/4	**CFE-3/4-S**	0.750	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CFE-7/8	**CFE-7/8-S**	0.875	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CFE-1	**CFE-1-S**	1.000	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CFE-1 1/8	**CFE-1 1/8-S**	1.125	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CFE-1 1/4	**CFE-1 1/4-S**	1.250	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CFE-1 3/8	**CFE-1 3/8-S**	1.375	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CFE-1 1/2	**CFE-1 1/2-S**	1.500	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CFE- 1 5/8	**CFE-1 5/8-S**	1.625	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CFE-1 3/4	**CFE-1 3/4-S**	1.750	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CFE-1 7/8	**CFE-1 7/8-S**	1.875	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CFE-2	**CFE-2-S**	2.000	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CFE-2 1/4	**CFE-2 1/4-S**	2.250	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CFE-2 ½	**CFE-2 1/2-S**	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CFE-2 3/4	**CFE-2 3/4-S**	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CFE-3	**CFE-3-S**	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	1/4	3450	24910	15720
CFE-3 1/4	**CFE-3 1/4-S**	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	1/4	3450	24910	15720
CFE-3 1/2	**CFE-3 1/2-S**	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	0.060	1/4	4200	31625	22800
CFE-4	**CFE-4-S**	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	0.060	1/4	5000	44770	29985

* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or set screw for permanent locking.
** Oil hole (F) drilled from Flange end of stud to the radial oil hole only.
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown

CFE-B & CFE-SB CAM FOLLOWER







Cam followers with eccentric studs and hex holes, with and without seals

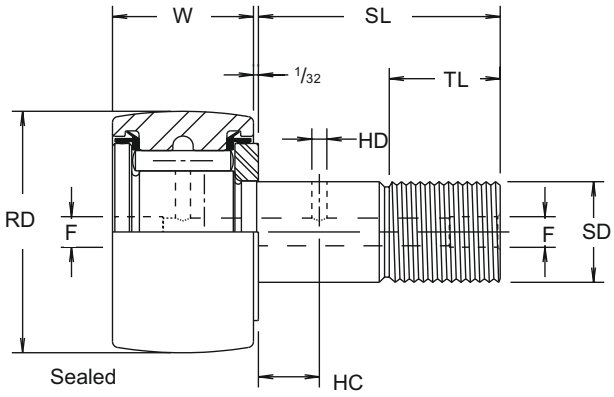
UNSEALED POWER DRIVE BRG.NO.	SEALED POWER DRIVE BRG.NO	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	BUSH. L'GTH (G*) +.000 -.010	BUSH. DIA. (BD) ±.001 STUD L'GTH	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CFE-1/2-N-B	CFE-1/2-N-SB	0.500	0.344	0.250	0.250	½	1/4	10-32	0.010	-	15	720	620
CFE-1/2-B	CFE-1/2-SB	0.500	0.375	0.375	0.250	5/8	1/4	10-32	0.010	-	15	790	680
CFE-9/16-B	CFE-9/16-SB	0.563	0.375	0.375	0.250	5/8	1/4	10-32	0.010	-	15	790	680
CFE-5/8-B	CFE-5/8-SB	0.625	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	-	35	1215	955
CFE-11/16-B	CFE-11/16-SB	0.688	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	-	35	1215	955
CFE-3/4-B	CFE-3/4-SB	0.750	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CFE-7/8-B	CFE-7/8-SB	0.875	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CFE-1-B	CFE-1-SB	1.000	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CFE-1 1/8-B	CFE-1 1/8-SB	1.125	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CFE-1 1/4-B	CFE-1 1/4-SB	1.250	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CFE-1 3/8-B	CFE-1 3/8-SB	1.375	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CFE-1 1/2-B	CFE-1 1/2-SB	1.500	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CFE-1 5/8-B	CFE-1 5/8-SB	1.625	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CFE-1 3/4-B	CFE-1 3/4-SB	1.750	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CFE-1 7/8-B	CFE-1 7/8-SB	1.875	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CFE-2-B	CFE-2-SB	2.000	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CFE-2 1/4-B	CFE-2 1/4-SB	2.250	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CFE-2 1/2-B	CFE-2 1/2-SB	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CFE-2 3/4-B	CFE-2 3/4-SB	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CFE-3-B	CFE-3-SB	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	♦ 1/4	3450	24910	15720
CFE-3 1/4-B	CFE-3 1/4-SB	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	♦ 1/4	3450	24910	15720
CFE-3 1/2-B	CFE-3 1/2-SB	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	0.060	♦ 1/4	4200	31625	22800
CFE-4-B	CFE-4-SB	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	0.060	♦ 1/4	5000	44770	29985

* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or set screw for permanent locking.

*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

♦ Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.

CCF-S CAM FOLLOWER



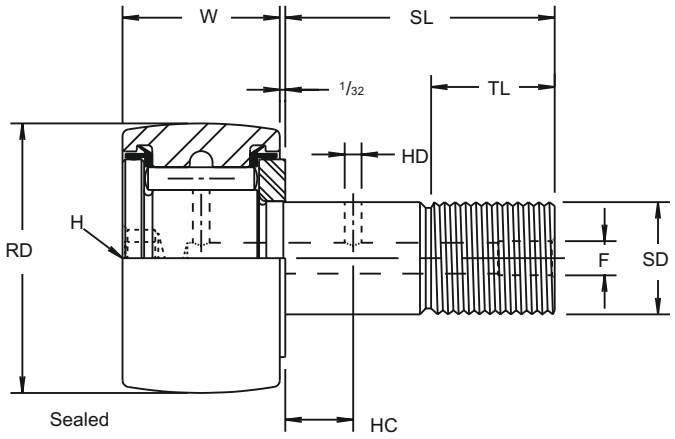
‡1/16" on CCF-5-S, CCF-6-S, CCF-7-S

Cam followers with crowned O.D.s and seals

UNSEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL.)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA (HD)						
CCF-1/2-N-S	0.500	0.344	0.190	½	1/4	10-32	-	-	1/8*	19/64	0.1903	15	720	620
CCF-1/2-S	0.500	0.375	0.190	5/8	1/4	10-32	-	-	1/8*	19/64	0.1903	15	790	680
CCF-9/16-S	0.563	0.375	0.190	5/8	1/4	10-32	-	-	1/8*	19/64	0.1903	15	790	680
CCF-5/8-N-S	0.625	0.406	0.250	5/8	5/16	1/4-28	-	-	1/8*	23/64	0.2503	35	1085	930
CCF-5/8-S	0.625	0.438	0.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	0.2503	35	1215	955
CCF-11/16-S	0.688	0.438	0.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	0.2503	35	1215	955
CCF-3/4-S	0.750	0.500	0.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CCF-7/8-S	0.875	0.500	0.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CCF-1-S	1.000	0.625	0.438	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CCF-1 1/8-S	1.125	0.625	0.438	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CCF-1 1/4-S	1.250	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CCF-1 3/8-S	1.375	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CCF-1 1/2-S	1.500	0.875	0.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CCF-1 5/8-S	1.625	0.875	0.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CCF-1 3/4-S	1.750	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CCF-1 7/8-S	1.875	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CCF-2-S	2.000	1.250	0.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CCF-2 1/4-S	2.250	1.250	0.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CCF-2 1/2-S	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-2 3/4-S	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-3-S	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/4-S	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/2-S	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	1 59/64	1.3753	4200	31625	22800
CCF-4-S	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	2 9/32	1.5003	5000	44770	29985
CCF-5-S	5.000	2.750	2.000	5 1/16	2 9/16	2-12	7/8	3/16	1/4 N.P.T.	2 7/8	2.0003	5000	67950	46575
CCF-6-S	6.000	3.250	2.500	6	3	2 1/2-12	1	3/16	1/4 N.P.T.	3 3/8	2.5003	5000	80450	60000
CCF-7-S	7.000	3.750	3.000	7 11/16	4 1/8	3-12	1 1/4	3/16	1/4 N.P.T.	3 7/8	3.0003	5000	106930	75380
CCF-8-S ▪	8.000	4.250**	3.250	8 1/2	4 1/4	3 1/4-4	-	-	1/4 N.P.T.*	4 3/4	3.2503	5000	144100	92200
CCF-9-S▪	9.000	4.750**	3.750	9 1/2	4 3/4	3 1/2-4	-	-	1/4 N.P.T.*	5 7/16	3.7503	5000	183430	113260
CCF-10-S▪	10.000	5.250**	4.250	10	4 3/4	3 1/2-4	-	-	1/4 N.P.T.*	5 59/64	4.2503	5000	215565	131545

▪ Standard tolerances do not apply. Consult PowerDrive Service.
* Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
** Flange extends 3/4" beyond face of outer race, and endplate extends 1/8" beyond face of outer race.
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
• Coarse threads.

CCF-SB CAM FOLLOWER



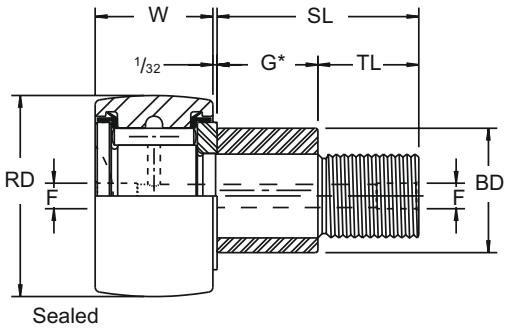
Cam followers with crowned O.D.s, hex holes, and seals

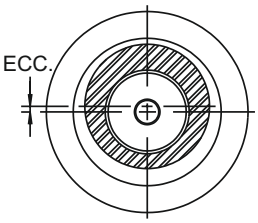
UNSEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)**	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA (HD)						
CCF-1/2-N-SB	0.500	0.344	0.190	½	1/4	10-32	-	-	-	19/64	0.1903	15	720	620
CCF-1/2-SB	0.500	0.375	0.190	5/8	1/4	10-32	-	-	-	19/64	0.1903	15	790	680
CCF-9/16-SB	0.563	0.375	0.190	5/8	1/4	10-32	-	-	-	19/64	0.1903	15	790	680
CCF-5/8-N-SB	0.625	0.406	0.250	5/8	5/16	1/4-28	-	-	-	23/64	0.2503	35	1085	930
CCF-5/8-SB	0.625	0.438	0.250	3/4	5/16	1/4-28	-	-	-	23/64	0.2503	35	1215	955
CCF-11/16-SB	0.688	0.438	0.250	3/4	5/16	1/4-28	-	-	-	23/64	0.2503	35	1215	955
CCF-3/4-SB	0.750	0.500	0.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CCF-7/8-SB	0.875	0.500	0.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	0.3753	95	2065	1660
CCF-1-SB	1.000	0.625	0.438	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CCF-1 1/8-SB	1.125	0.625	0.438	1	1/2	7/16-20	1/4	3/32	3/16	41/64	0.4378	250	3060	2225
CCF-1 1/4-SB	1.250	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CCF-1 3/8-SB	1.375	0.750	0.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	0.5003	350	4250	3930
CCF-1 1/2-SB	1.500	0.875	0.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CCF-1 5/8-SB	1.625	0.875	0.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	0.6253	650	5640	4840
CCF-1 3/4-SB	1.750	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CCF-1 7/8-SB	1.875	1.000	0.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	0.7503	1250	7920	6385
CCF-2-SB	2.000	1.250	0.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CCF-2 1/4-SB	2.250	1.250	0.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	0.8753	1500	10570	8090
CCF-2 1/2-SB	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-2 3/4-SB	2.750	1.500	1 .000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-3-SB	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	♦1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/4-SB	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	♦1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/2-SB	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	♦1/4	1 59/64	1.3753	4200	31625	22800
CCF-4-SB	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	♦1/4	2 9/32	1.5003	5000	44770	29985

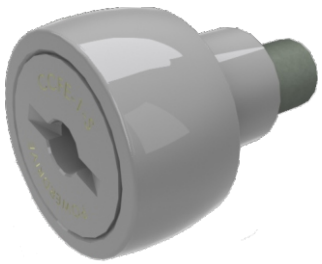
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

♦ Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed. Hex hole standard on sizes above CCF-4-SB.

CCFE-S CAM FOLLOWR







Cam followers with crowned O.D.s, eccentric studs and seals

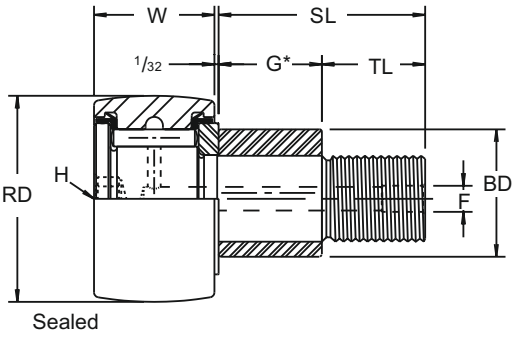
UNSEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	BUSH. L'GTH (G*) +.000 -.010	BUSH. DIA. (BD) ±.001 STUD L'GTH	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)**	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CCFE-1/2-N-S	0.500	0.344	0.250	0.250	½	1/4	10-32	0.010	1/8**	15	720	620
CCFE-1/2-S	0.500	0.375	0.375	0.250	5/8	1/4	10-32	0.010	1/8**	15	790	680
CCFE-9/16-S	0.563	0.375	0.375	0.250	5/8	1/4	10-32	0.010	1/8**	15	790	680
CCFE-5/8-S	0.625	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	1/8**	35	1215	955
CCFE-11/16-S	0.688	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	1/8**	35	1215	955
CCFE-3/4-S	0.750	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CCFE-7/8-S	0.875	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CCFE-1-S	1.000	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CCFE-1 1/8-S	1.125	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CCFE-1 1/4-S	1.250	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CCFE-1 3/8-S	1.375	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CCFE-1 1/2-S	1.500	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CCFE-1 5/8-S	1.625	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CCFE-1 3/4-S	1.750	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CCFE-1 7/8-S	1.875	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CCFE-2-S	2.000	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CCFE-2 1/4-S	2.250	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CCFE-2 1/2-S	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CCFE-2 3/4-S	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CCFE-3-S	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	1/4	3450	24910	15720
CCFE-3 1/4-S	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	1/4	3450	24910	15720
CCFE-3 1/2-S	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	0.060	1/4	4200	31625	22800
CCFE-4-S	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	0.060	1/4	5000	44770	29985

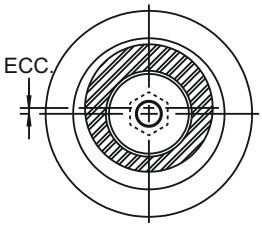
* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or set screw for permanent locking.

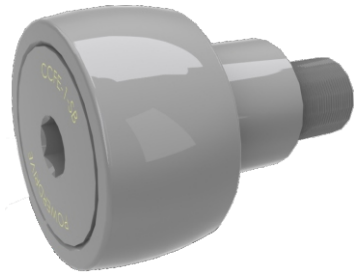
** Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.

*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

CCFE-SB CAM FOLLOWR







Cam followers with crowned O.D.s, eccentric studs, hex holes, and seals

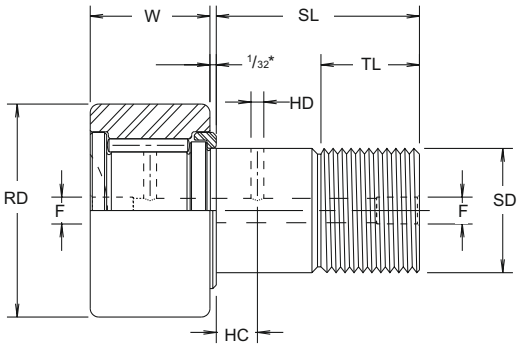
UNSEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	BUSH. L'GTH (G*) +.000 -.010	BUSH. DIA. (BD) ±.001 STUD L'GTH	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CCFE-1/2-N-SB	0.500	0.344	0.250	0.250	½	1/4	10-32	0.010	-	15	720	620
CCFE-1/2-SB	0.500	0.375	0.375	0.250	5/8	1/4	10-32	0.010	-	15	790	680
CCFE-9/16-SB	0.563	0.375	0.375	0.250	5/8	1/4	10-32	0.010	-	15	790	680
CCFE-5/8-SB	0.625	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	-	35	1215	955
CCFE-11/16-SB	0.688	0.438	0.437	0.375	3/4	5/16	1/4-28	0.015	-	35	1215	955
CCFE-3/4-SB	0.750	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CCFE-7/8-SB	0.875	0.500	0.500	0.500	7/8	3/8	3/8-24	0.015	3/16	95	2065	1660
CCFE-1-SB	1.000	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CCFE-1 1/8-SB	1.125	0.625	0.500	0.625	1	1/2	7/16-20	0.030	3/16	250	3060	2225
CCFE-1 1/4-SB	1.250	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CCFE-1 3/8-SB	1.375	0.750	0.625	0.687	1 1/4	5/8	1/2-20	0.030	3/16	350	4250	3930
CCFE-1 1/2-SB	1.500	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CCFE-1 5/8-SB	1.625	0.875	0.750	0.875	1 1/2	3/4	5/8-18	0.030	3/16	650	5640	4840
CCFE-1 3/4-SB	1.750	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CCFE-1 7/8-SB	1.875	1.000	0.875	1.000	1 3/4	7/8	3/4-16	0.030	3/16	1250	7920	6385
CCFE-2-SB	2.000	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CCFE-2 1/4-SB	2.250	1.250	1.000	1.187	2	1	7/8-14	0.030	3/16	1500	10570	8090
CCFE-2 1/2-SB	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CCFE-2 3/4-SB	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	0.030	3/16	2250	16450	11720
CCFE-3-SB	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	♦1/4	3450	24910	15720
CCFE-3 1/4-SB	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	0.060	♦1/4	3450	24910	15720
CCFE-3 1/2-SB	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	0.060	♦1/4	4200	31625	22800
CCFE-4-SB	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	0.060	♦1/4	5000	44770	29985

* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or setscrew for permanent locking.

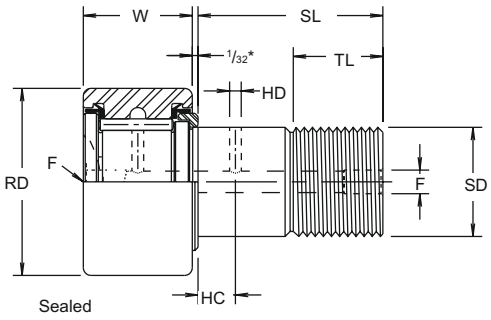
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

♦ Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.

CFH & CFH-S CAM FOLLOWR



CFH-5, CFH-6, CFH-7



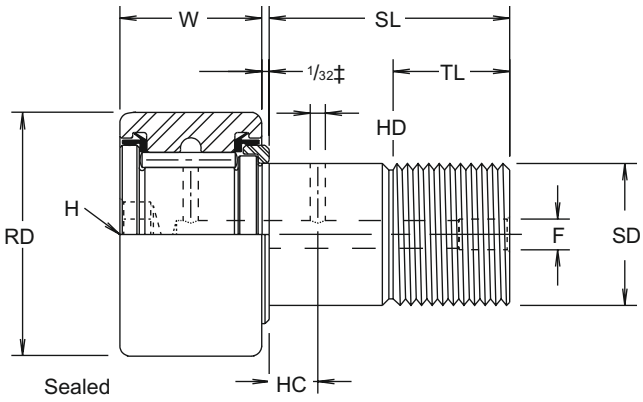
CFH-5-S, CFH-6-S, CFH-7-S

CFH & CFH-S series heavy stud camfollowr

UNSEALED POWER DRIVE BRG.NO.	SEALED POWERDRIVE BRG NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL.)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA (HD)						
CFH-1/2	CFH-1/2-S	0.500	0.375	0.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	0.2503	35	1580	680
CFH-9/16	CFH-9/16-S	0.563	0.375	0.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	0.2503	35	1580	680
CFH-5/8	CFH-5/8-S	0.625	0.438	0.313	3/4	5/16	5/16-24	-	-	1/8*	15/32	0.3128	90	2480	955
CFH-11/16	CFH-11/16-S	0.688	0.438	0.313	3/4	5/16	5/16-24	-	-	1/8*	15/32	0.3128	90	2480	955
CFH-3/4	CFH-3/4-S	0.750	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CFH-7/8	CFH-7/8-S	0.875	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CFH-1	CFH-1-S	1.000	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CFH-1 1/8	CFH-1 1/8-S	1.125	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CFH-1 1/4	CFH-1 1/4-S	1.250	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CFH-1 3/8	CFH-1 3/8-S	1.375	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CFH-1 1/2	CFH-1 1/2-S	1.500	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CFH-1 5/8	CFH-1 5/8-S	1.625	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CFH-1 3/4	CFH-1 3/4-S	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-1 7/8	CFH-1 7/8-S	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-2	CFH-2-S	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/4	CFH-2 1/4-S	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/2	CFH-2 1/2-S	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-2 3/4	CFH-2 3/4-S	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-3	CFH-3-S	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/4	CFH-3 1/4-S	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/2	CFH-3 1/2-S	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	2 7/16	1.7503	5000	63250	22800
CFH-4	CFH-4-S	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	2 51/64	2.0003	5000	89540	29985
	CFH-5-S	5.000	2.750	2.500	5 1/16	2 9/16	2 1/2-12	7/8	3/16	1/4 N.P.T.	3 9/16	2.5003	5000	135900	46575
	CFH-6-S	6.000	3.250	3.000	6	3	3-12	1	3/16	1/4 N.P.T.	4 15/32	3.0003	5000	160900	60000
	CFH-7-S	7.000	3.750	3.500	7 11/16	4 1/8	3 1/2-4•	1 1/4	3/16	1/4 N.P.T.	5 3/16	3.5003	5000	213860	75380

* Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
• Coarse Thread.

CFH-B & CFH-SB SERIES HEAVY STUD CAM FOLLOWER



‡1/16" on CFH-5-S, CFH-6-S, CFH-7-S

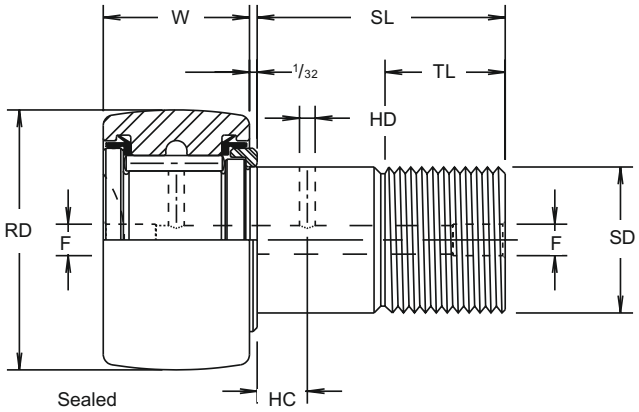
Cam followers with hex holes, with and without seals

UNSEALED POWER DRIVE BRG.NO.	SEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL.)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA (HD)						
CFH-1/2-B	**CFH-1/2-SB**	0.500	0.375	0.250	5/8	1/4	1/4-28	-	-	-	13/32	0.2503	35	1580	680
CFH-9/16-B	**CFH-9/16-SB**	0.563	0.375	0.250	5/8	1/4	1/4-28	-	-	-	13/32	0.2503	35	1580	680
CFH-5/8-B	**CFH-5/8-SB**	0.625	0.438	0.313	3/4	5/16	5/16-24	-	-	-	15/32	0.3128	90	2480	955
CFH-11/16-B	**CFH-11/16-SB**	0.688	0.438	0.313	3/4	5/16	5/16-24	-	-	-	15/32	0.3128	90	2480	955
CFH-3/4-B	**CFH-3/4-SB**	0.750	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CFH-7/8-B	**CFH-7/8-SB**	0.875	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CFH-1-B	**CFH-1-SB**	1.000	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CFH-1 1/8-B	**CFH-1 1/8-SB**	1.125	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CFH-1 1/4-B	**CFH-1 1/4-SB**	1.250	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CFH-1 3/8-B	**CFH-1 3/8-SB**	1.375	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CFH-1 1/2-B	**CFH-1 1/2-SB**	1.500	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CFH-1 5/8-B	**CFH-1 5/8-SB**	1.625	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CFH-1 3/4-B	**CFH-1 3/4-SB**	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-1 7/8-B	**CFH-1 7/8-SB**	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-2-B	**CFH-2-SB**	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/4-B	**CFH-2 1/4-SB**	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/2-B	**CFH-2 1/2-SB**	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-2 3/4-B	**CFH-2 3/4-SB**	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-3-B	**CFH-3-SB**	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	♦1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/4-B	**CFH-3 1/4-SB**	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	♦1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/2-B	**CFH-3 1/2-SB**	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	♦1/4	2 7/16	1.7503	5000	63250	22800
CFH-4-B	**CFH-4-SB**	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	♦1/4	2 51/64	2.0003	5000	89540	29985

*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

♦ Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed. Hex hole standard on sizes above CFH-4-SB

CCFH-S SERIES HEAVY STUD CAM FOLLOWER

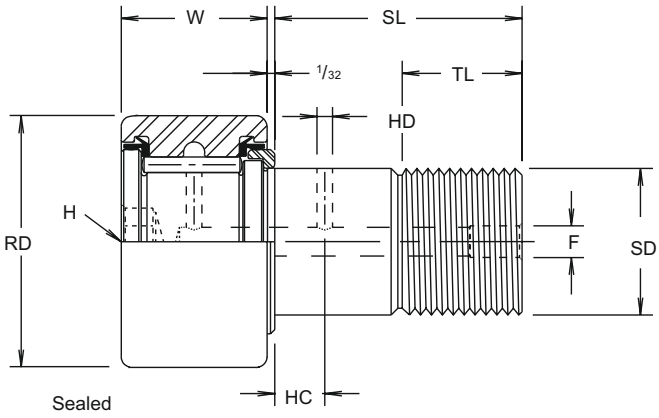


Cam followers with crowned O.D.s and seals

UNSEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	*** RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA (HD)						
CCFH-1/2-S	0.500	0.375	0.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	0.2503	35	1580	680
CCFH- 9/ 16 -S	0.563	0.375	0.250	5/8	1/4	1 /4 -2 8	-	-	1/8*	1 3/ 32	0.2503	35	1580	680
CCFH-5/8-S	0.625	0.438	0.313	3/4	5/16	5/16-24	-	-	1/8*	15/32	0.3128	90	2480	955
CCFH- 11/ 16 -S	0.688	0.438	0.313	3/4	5/16	5/16-24	-	-	1/8*	15/32	0.3128	90	2480	955
CCFH-3/4-S	0.750	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CCFH-7/8-S	0.875	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CCFH- 1-S	1.000	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CCFH- 1 1/ 8 -S	1.125	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CCFH- 1 1/ 4 -S	1.250	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CCFH- 1 3/ 8 -S	1.375	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CCFH- 1 1/ 2 -S	1.500	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CCFH- 1 5/ 8 -S	1.625	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CCFH- 1 3/ 4 -S	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH- 1 7/ 8 -S	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH- 2-S	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH- 2 1/ 4 -S	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH- 2 1/ 2 -S	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH- 2 3/ 4 -S	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH- 3-S	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CCFH- 3 1/ 4 -S	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CCFH- 3 1/ 2 -S	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	2 7/16	1.7503	5000	63250	22800
CCFH- 4-S	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	2 51/64	2.0003	5000	89540	29985
CCFH-5-S	5.000	2.750	2.500	5 1/16	2 9/16	2 1/2-12	7/8	3/16	1/4 N.P.T.	3 9/16	2.5003	5000	135900	46575
CCFH-6-S	6.000	3.250	3.000	6	3	3-12	1	3/16	1/4 N.P.T.	4 15/32	3.0003	5000	160900	60000
CCFH-7-S	7.000	3.750	3.500	7 11/16	4 1/8	3 1/2-4•	1 1/4	3/16	1/4 N.P.T.	5 3/16	3.5003	5000	213860	75380

• Coarse Thread.
* Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

CCFH-SB SERIES HEAVY STUD CAM FOLLOWER



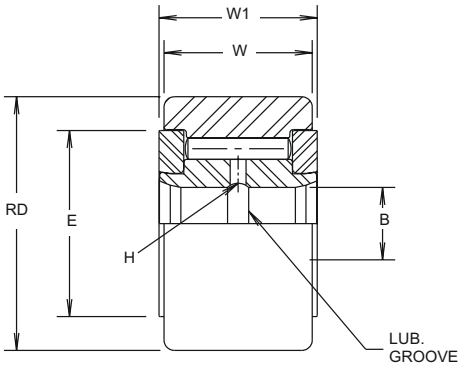
Cam followers with crowned O.D.s, hex holes and seals

UNSEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL.)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OLD HOLE		LUB. FITTING SIZE (F)	MIN. BOSS DIA.	HOUSING BORE DIA +.0002 -.0003	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA (HD)						
CCFH-1/2-SB	0.500	0.375	0.250	5/8	1/4	1/4-28	-	-	-	13/32	0.2503	35	1580	680
CCFH-9/16-SB	0.563	0.375	0.250	5/8	1/4	1/4-28	-	-	-	13/32	0.2503	35	1580	680
CCFH-5/8-SB	0.625	0.438	0.313	3/4	5/16	5/16-24	-	-	-	15/32	0.3128	90	2480	955
CCFH-11/16-SB	0.688	0.438	0.313	3/4	5/16	5/16-24	-	-	-	15/32	0.3128	90	2480	955
CCFH-3/4-SB	0.750	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CCFH-7/8-SB	0.875	0.500	0.438	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	0.4378	250	4130	1660
CCFH-1-SB	1.000	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CCFH-1 1/8-SB	1.125	0.625	0.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	0.6253	650	6120	2225
CCFH-1 1/4-SB	1.250	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CCFH-1 3/8-SB	1.375	0.750	0.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	0.7503	1250	8500	3930
CCFH-1 1/2-SB	1.500	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CCFH-1 5/8-SB	1.625	0.875	0.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	0.8753	1500	11280	4840
CCFH-1 3/4-SB	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH-1 7/8-SB	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH-2-SB	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH-2 1/4-SB	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH-2 1/2-SB	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH-2 3/4-SB	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH-3-SB	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	♦1/4	2 1/8	1.5003	5000	49820	15720
CCFH-3 1/4-SB	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	♦1/4	2 1/8	1.5003	5000	49820	15720
CCFH-3 1/2-SB	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	♦1/4	2 7/16	1.7503	5000	63250	22800
CCFH-4-SB	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	♦1/4	2 51/64	2.0003	5000	89540	29985

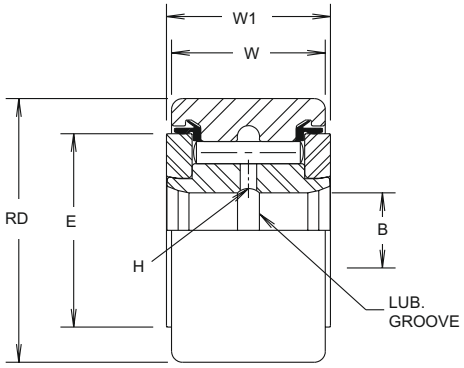
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

♦ Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed. Hex hole standard on sizes above CCFH-4-SB.

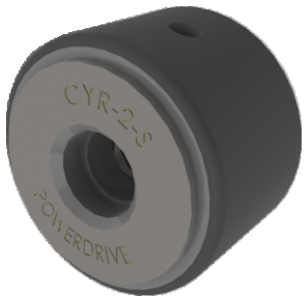
CYR , CYR-S & CCYR-S TYPE BEARINGS



Unsealed



Sealed

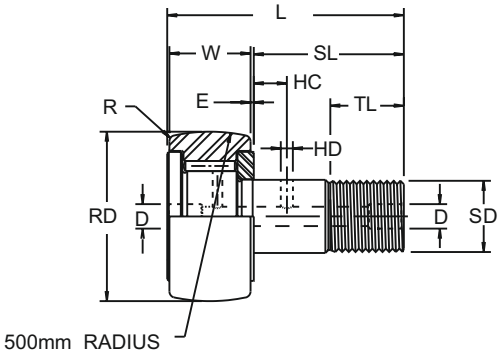


CYR, CYR-S & CCYR-S series
Cam followers without studs for shaft mounting, with and without seals

UNSEALED POWER DRIVE BRG.NO.	SEALED POWER DRIVE BRG.NO.	SEALED POWER DRIVE BRG.NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	BORE (B)		WIDTH OVER END PLATES (W1) +.005 -.010	DIA. OF END PLATES (E)	OIL HOLE (H) DIA.	MIN BOSS DIA.	SHAFT DIA						MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING. LBS.
											PUSH FIT		DRIVE FIT		PRESS FIT			
					NOM.	TOL.					NOM.	TOL.	NOM.	TOL.	NOM.	TOL.		
CYR-3/4	**CYR-3/4-S**	**CCYR-3/4-S**	0.750	0.500	0.250		0.563	39/64		½	0.2495		0.2501		0.2503		4130	1660
CYR-7/8	**CYR-7/8-S**	**CCYR-7/8-S**	0.875	0.500	0.250		0.563	39/64		1/2	0.2495		0.2501		0.2503		4130	1660
CYR-1	**CYR-1-S**	**CCYR-1-S**	1.000	0.625	0.313		0.688	25/32		41/64	0.3120		0.3126		0.3128		6120	2225
CYR-1 1/8	**CYR-1 1/8-S**	**CCYR-1 1/8-S**	1.125	0.625	0.313		0.688	25/32		41/64	0.3120		0.3126		0.3128		6120	2225
CYR-1 1/4	**CYR-1 1/4-S**	**CCYR-1 1/4-S**	1.250	0.750	0.375		0.813	63/64		49/64	0.3745		0.3751		0.3753		8500	3930
CYR-1 3/8	**CYR-1 3/8-S**	**CCYR-1 3/8-S**	1.375	0.750	0.375		0.813	63/64		49/64	0.3745		0.3751		0.3753		8500	3930
CYR-1 ½	**CYR-1 1/2-S**	**CCYR-1 1/2-S**	1.500	0.875	0.438	+.0002	0.938	1 3/32	3/32	57/64	0.4370	±.0002	0.4376	±.0002	0.4378	±.0002	11280	4840
CYR-1 5/8	**CYR-1 5/8-S**	**CCYR-1 5/8-S**	1.625	0.875	0.438	- .0004	0.938	1 3/32		57/64	0.4370		0.4376		0.4378		11280	4840
CYR-1 3/4	**CYR-1 3/4-S**	**CCYR-1 3/4-S**	1.750	1.000	0.500		1.063	1 1/4		1 3/64	0.4995		0.5001		0.5005		15840	6385
CYR1 7/8	**CYR-1 7/8-S**	**CCYR-1 7/8-S**	1.875	1.000	0.500		1.063	1 1/4		1 3/64	0.4995		0.5001		0.5005		15840	6385
CYR-2	**CYR-2-S**	**CCYR-2-S**	2.000	1.250	0.625		1.313	1 13/32		1 13/64	0.6245		0.6251		0.6255		21140	8090
CYR-2 1/4	**CYR-2 1/4-S**	**CCYR-2 1/4-S**	2.250	1.250	0.625		1.313	1 13/32		1 13/64	0.6245		0.6251		0.6255		21140	8090
CYR-2 ½	**CYR-2 1/2-S**	**CCYR-2 1/2-S**	2.500	1.500	0.750		1.563	1 11/16		1 5/16	0.7495		0.7501		0.7505		32900	11720
CYR-2 3/4	**CYR-2 3/4-S**	**CCYR-2 3/4-S**	2.750	1.500	0.750		1.563	1 11/16		1 5/16	0.7495		0.7501		0.7505		32900	11720
CYR-3	**CYR-3-S**	**CCYR-3-S**	3.000	1.750	1.000		1.813	2 1/8	1/8	1 3/4	0.9994		1.0002		1.0006		49820	15720
CYR-3 1/4	**CYR-3 1/4-S**	**CCYR-3 1/4-S**	3.250	1.750	1.000		1.813	2 1/8		1 3/4	0.9994		1.0002		1.0006		49820	15720
CYR-3 ½	**CYR-3 1/2-S**	**CCYR-3 1/2-S**	3.500	2.000	1.125		2.063	2 7/16		1 59/64	1.1244	+.0002	1.1252	+.0002	1.1256	+.0002	63250	22800
CYR-4	**CYR-4-S**	**CCYR-4-S**	4.000	2.250	1.250	+.0001	2.313	2 51/64		2 9/32	1.1244	-.0003	1.2502	-.0003	1.2506	-.0003	89540	29985
	CYR-5-S	**CCYR-5-S**	5.000	2.750	1.750	-.0005	2.875	3 9/16		2 7/8	1.7494		1.7502		1.7506		135900	46575
	CYR-6-S	**CCYR-6-S**	6.000	3.250	2.250		3.375	4 15/32	3/16	3 3/8	2.2494		2.2502		2.2506		160900	60000
	CYR-7-S	**CCYR-7-S**	7.000	3.750	2.750		3.875	5 3/16		3 7/8	2.7494		2.7502		2.7506		213860	75380
	CYR-8-S ♦	**CCYR-8-S♦**	8.000	4.250	3.255		4.500	4 3/8	1/4	4 3/8	3.2545		3.256		3.2565		288200	92200
	CYR-9-S ♦	**CCYR-9-S♦**	9.000	4.750	3.755	+.001	5.000	5 1/16	5/16	5 1/16	3.7545	±.0005	3.756	±.0005	3.7565	±.0005	366850	113260
	CYR-10-S ♦	**CCYR-10-S♦**	10.000	5.250	4.255	-.000	5.500	5 15/32	3/8	5 15/32	4.2545		4.256		4.2565		431130	131545

♦ Standard tolerances do not apply. Consult POWER DRIVE Customer Service.
NOTE: Consult POWER DRIVE Customer Service for limiting speeds.

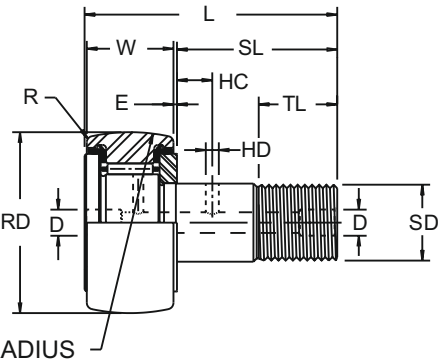
MCF CAM FOLLOWER

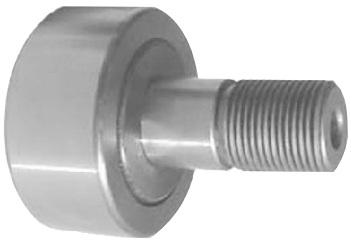


UNSEALED POWER DRIVE BRG.NO.	SEALD POWERDRIVE BRG NO.	ROLLER DIA(RD) +.000 -.001	ROLLER WIDTH(W) +.000 -.005	STUD DIA (SD) +.001 -.000	STUD L'GTH (SL.)	OVERALL LENGTH L NOM.	ENDPLATE EXTENSIONE NOM.	THREAD	MIN. THR'D L'GTH. (TL)	OLD HOLE	
										HOLE CENTER (HC)	HOLE DIA (HD)
		mm	mm	mm	mm	mm	mm	mm	mm	mm	
MCFR-13	**MCFR-13-S**	13	9	5	13	23	0.6	M5x0.8	7.5	-	-
MCFR-16	**MCFR-16-S**	16	11	6	16	28	0.6	M6x1	9	-	-
MCF-16	**MCF-16-S**										
MCFR-19	**MCFR-19-S**	19	11	8	20	32	0.6	M8x1.25	11	-	-
MCF-19	**MCF-19-S**										
MCFR-22	**MCFR-22-S**	22	12	10	23	36	0.6	M10x1	12	-	-
MCF-22	**MCF-22-S**										
MCFR-22A	**MCFR-22A-S**	22	12	10	23	36	0.6	M10x1.25	13	-	-
MCF-22A	**MCF-22A-S**										
MCFR-26	**MCFR-26-S**	26	12	10	23	36	0.6	M10x1	12	-	-
MCF-26	**MCF-26-S**										
MCFR-26A	**MCFR-26A-S**	26	12	10	23	36	0.6	M10x1.25	13	-	-
MCF-26A	**MCF-26A-S**										
MCFR-30	**MCFR-30-S**	30	14	12	25	40	0.6	M12x1.5	14	6	3
MCF-30	**MCF-30-S**										
MCFR-32	**MCFR-32-S**	32	14	12	25	40	0.6	M12x1.5	14	6	3
MCF-32	**MCF-32-S**										
MCFR-35	**MCFR-35-S**	35	18	16	32.5	52	0.8	M16x1.5	18	8	3
MCF-35	**MCF-35-S**										
MCFR-40	**MCFR-40-S**	40	20	18	36.5	58	0.8	M18x1.5	19	8	3
MCF-40	**MCF-40-S**										
MCFR-40A	**MCFR-40A-S**	40	20	18	36.5	58	0.8	M18x1.5	20	10	3
MCF-40A	**MCF-40A-S**										
MCFR-47	**MCFR-47-S**	47	24	20	40.5	66	0.8	M20x1.5	21	9	4
MCF-47	**MCF-47-S**										
MCFR-47A	**MCFR-47A-S**	47	24	20	40.5	66	0.8	M20x1.5	22	12	4
MCF-47A	**MCF-47A-S**										
MCFR-52	**MCFR-52-S**	52	24	20	40.5	66	0.8	M20x1.5	21	9	4
MCF-52	**MCF-52-S**										
MCFR-52A	**MCFR-52A-S**	52	24	20	40.5	66	0.8	M20x1.5	22	12	4
MCF-52A	**MCF-52A-S**										
MCFR-62	**MCFR-62-S**	62	29	24	49.5	80	0.8	M24x1.5	25	11	4
MCF-62	**MCF-62-S**										
MCFR-62A	**MCFR-62A-S**	62	29	24	49.5	80	0.8	M24x1.5	25	12	4
MCF-62A	**MCF-62A-S**										
MCFR-72	**MCFR-72-S**	72	29	24	49.5	80	0.8	M24x1.5	25	11	4
MCF-72	**MCF-72-S**										
MCFR-72A	**MCFR-72A-S**	72	29	24	49.5	80	0.8	M24x1.5	25	12	4
MCF-72A	**MCF-72A-S**										
MCFR-80	**MCFR-80-S**	80	35	30	63	100	1	M30x1.5	32	15	4
MCF-80	**MCF-80-S**										
MCFR-85	**MCFR-85-S**	85	35	30	63	100	1	M30x1.5	32	15	4
MCF-85	**MCF-85-S**										
MCFR-90	**MCFR-90-S**	90	35	30	63	100	1	M30x1.5	32	15	4
MCF-90	**MCF-90-S**										

Limited Availability, Check Stock

MCF CAM FOLLOWER

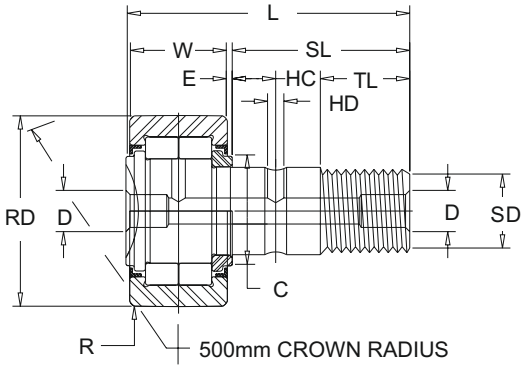




UNSEALED POWER DRIVE BRG.NO.	SEALD POWERDRIVE BRG NO.	REAMED HOLE D NOM.	CORNER RADIUS R	CLAMPING DIA. MIN.	CLAMPING TORQUE MAX (4)	LIMITING SPEED		HOUSING BORE DIA.		ISO/ABMA BASIC LOAD RATINGS NEWTONS		ISO/ABMA BASIC LOAD RATINGS NEWTONS		MASS
						GREASE	OIL	mm		DYNAMIC	STATIC	DYNAMIC	STATIC	
		mm	mm	mm	mm	rpm	rpm	MIN.	MAX.			(6)	(5)	kg.
MCFR-13	**MCFR-13-S**	3.1•	0.3	9	2 .2	20000	30000	5.000	5.012	2450	2260	2060	1650	0.010
MCFR-16	**MCFR-16-S**	4•	0.3	11	3	19500	25000	6.000	6.012	4120	4120	3430	2350	0.018
MCF-16	**MCF-16-S**					13000	17000			6960	8340	5790	2350	0.019
MCFR-19	**MCFR-19-S**	4•	0.3	13	8	15500	20000	8.000	8.015	4510	5000	3730	4140	0.028
MCF-19	**MCF-19-S**					10500	13500			8040	10490	6670	5100	0.029
MCFR-22	**MCFR-22-S**	4	0.5	15	15	13500	17500	10.000	10.015	6280	7260	5200	6050	0.043
MCF-22	**MCF-22-S**					9000	11500			9410	12360	7850	10400	0.044
MCFR-22A	**MCFR-22A-S**	4	0.5	15	15	13500	17500	10.000	10.015	6280	7260	5200	6050	0.043
MCF-22A	**MCF-22A-S**					9000	11500			9410	12360	7850	10400	0.044
MCFR-26	**MCFR-26-S**	4	0.5	15	15	13500	17500	10.000	10.015	6280	7260	5200	6050	0.055
MCF-26	**MCF-26-S**					9000	11500			9410	12360	7850	10400	0.056
MCFR-26A	**MCFR-26A-S**	4	0.5	15	15	13500	17500	10.000	10.015	6280	7260	5200	6050	0.055
MCF-26A	**MCF-26A-S**					9000	11500			9410	12360	7850	10400	0.056
MCFR-30	**MCFR-30-S**	6	1	19	22	9600	12500	12.000	12.018	8240	9710	6860	8050	0.087
MCF-30	**MCF-30-S**					6400	8300			13240	18140	11080	15300	0.089
MCFR-32	**MCFR-32-S**	6	1	19	22	9600	12500	12.000	12.018	8240	9710	6860	8050	0.096
MCF-32	**MCF-32-S**					6400	8300			13240	18140	11080	15300	0.099
MCFR-35	**MCFR-35-S**	6	1	24	57	6300	8000	16.000	16.018	13040	19030	10890	15900	0.166
MCF-35	**MCF-35-S**					4200	5500			20300	34130	16970	28500	0.171
MCFR-40	**MCFR-40-S**	6	1.5	27	85	5000	6400	18.000	18.018	15990	23730	13340	19800	0.245
MCF-40	**MCF-40-S**					3300	4300			23240	38540	19420	32200	0.248
MCFR-40A	**MCFR-40A-S**	6	1.5	27	85	5000	6400	18.000	18.018	15990	23730	13340	19800	0.245
MCF-40A	**MCF-40A-S**					3300	4300			23240	38540	19420	32200	0.248
MCFR-47	**MCFR-47-S**	8	1.5	30	118	3900	5000	20.000	20.021	21280	35700	17750	29800	0.387
MCF-47	**MCF-47-S**					2600	3400			30790	57670	25690	46700	0.393
MCFR-47A	**MCFR-47A-S**	8	1.5	30	118	3900	5000	20.000	20.021	21280	35700	17750	29800	0.387
MCF-47A	**MCF-47A-S**					2600	3400			30790	57670	25690	46700	0.393
MCFR-52	**MCFR-52-S**	8	1.5	30	118	3900	5000	20.000	20.021	21280	35700	17750	29800	0.453
MCF-52	**MCF-52-S**					2600	3400			30790	57670	25690	46700	0.455
MCFR-52A	**MCFR-52A-S**	8	1.5	30	118	3900	5000	20.000	20.021	21280	35700	17750	29800	0.453
MCF-52A	**MCF-52A-S**					2600	3400			30790	57670	25690	46700	0.455
MCFR-62	**MCFR-62-S**	8	1.5	38	216	3100	4100	24.000	24.021	31680	55700	26380	46300	0.801
MCF-62	**MCF-62-S**					2100	2700			46580	92630	38840	65400	0.810
MCFR-62A	**MCFR-62A-S**	8	1.5	38	216	3100	4100	24.000	24.021	31680	55700	26380	46300	0.801
MCF-62A	**MCF-62A-S**					2100	2700			46580	92680	38840	65400	0.810
MCFR-72	**MCFR-72-S**	8	2	38	216	3100	4100	24.000	24.021	31680	55700	26380	46300	1.039
MCF-72	**MCF-72-S**					2100	2700			46580	92680	38840	65400	1.048
MCFR-72A	**MCFR-72A-S**	8	2	38	216	3100	4100	24.000	24.021	31680	55700	26380	46300	1.039
MCF-72A	**MCF-72A-S**					2100	2700			46580	92680	38840	65400	1.048
MCFR-80	**MCFR-80-S**	8	2	51	441	2200	2900	30.000	30.021	56000	105030	46680	87600	1.621
MCF-80	**MCF-80-S**					1500	2000			76980	159850	64140	102300	1.642
MCFR-85	**MCFR-85-S**	8	2	51	441	2200	2900	30.000	30.021	56000	105030	46680	87600	1.793
MCF-85	**MCF-85-S**					1500	2000			76980	159850	64140	102300	1.814
MCFR-90	**MCFR-90-S**	8	2	51	441	2200	2900	30.000	30.021	56000	105030	46680	87600	1.981
MCF-90	**MCF-90-S**					1500	2000			76980	159850	64140	102300	2.002

Limited Availability, Check Stock

MCFD CAM FOLLOWER



BEARING NO .	ROLLER DIA. RD (1) NOM	ROLLER WIDTH W +0.00 -0.12	STUD DIA. SD NOM.	STUD L'GTH. SL	OVERALL LENGTH L NOM.	ENDPLATE EXTENSION E NOM.	THREAD	THREAD LENGTH TL MIN.	OIL HOLE		REAMED HOLE D NO M.
									HC NOM	.HD NOM.	
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
MCFD-35	35	18	16	32.5	52	0.8	M16x1.5	17	8	3	6
MCFD-40	40	20	18	36.5	58	0.8	M18x1.5	19	8	3	6
MCFD-47	47	24	20	40.5	66	0.8	M20x1.5	21	9	4	8
MCFD-52	52	24	20	40.5	66	0.8	M20x1.5	21	9	4	8
MCFD-62	62	29	24	49.5	80	0.8	M24x1.5	25	11	4	8
MCFD-72	72	29	24	49.5	80	0.8	M24x1.5	25	11	4	8
MCFD-80	80	35	30	63.0	100	1.0	M30x1.5	32	15	4	8
MCFD-90	90	35	30	63.0	100	1.0	M30x1.5	32	15	4	8

BEARING NO .	CORNER RADIUS R MIN.	ENDPLATE DIA. C	CLAMPING TORQUE (3) MAX.	LIMITING SPEED (2)		HOUSING BORE DIA.		LOAD RATING (NEWTONS)				REAMED HOLE D NO M.
				GREASE	OIL	mm		ISO LOAD RATING		LOAD RATING AS TRACK ROLLER		
	mm	mm	NOM.	rpm	rpm	MIN.	MAX.	DYNAMIC	STATIC	DYNAMIC	STATIC	Kg
MCFD-35	0.6	21	57	6500	8500	16.000	16.018	23000	27000	16000	18000	. 165
MCFD-40	1.0	23	85	5500	7200	18.000	18.018	25000	31000	18000	22000	. 242
MCFD-47	1.0	27	118	4200	5500	20.000	20.021	38000	48000	27000	32000	.380
MCFD-52	1.0	21	118	3400	4400	20.000	20.021	42000	57000	30000	35000	.450
MCFD-62	1.0	38	216	2600	3400	24.000	24.021	58000	76000	41000	48000	.795
MCFD-72	1.1	44	216	2100	2700	24.000	24.021	64000	89000	46000	57000	1.010
MCFD-80	1.1	47	441	1800	2300	30.000	30.021	94000	129000	67000	91000	1.540
MCFD-90	1.1	47	441	1800	2300	30.000	30.021	94000	129000	67000	101000	1.960

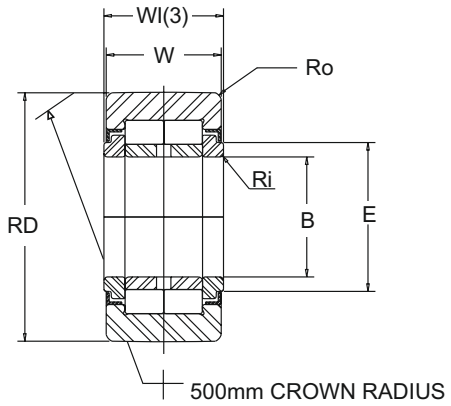
Limited Availability, Check Stock

(1) Standard bearing has a crowned roller outside diameter. For straight cylindrical outside diameter, add suffix "X". (Example - MCFD-35-X)

(2) Since load, lubrication method, temperature and other factors affect the maximum operating speed, it is impossible to determine precise limiting speed. The listed limiting speeds are based on lightly loaded bearings having adequate lubrication and are listed only as a design guide. If grease lubricated, frequent relubrication is required. Actual bearing testing in the specific application should be conducted if the anticipated operating speed approaches the listed limiting speed.

(3) Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

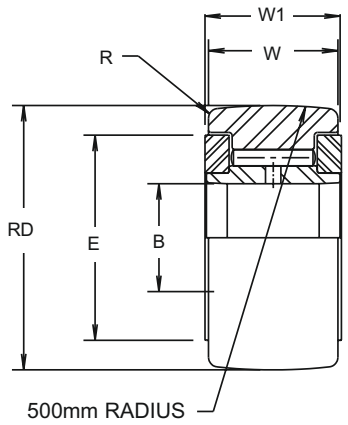
MCYRD YOKE ROLLERS



BEARING NO .	BORE DIA. B		ROLLER DIA. RD (1)	W. +0.00 -0.12	BEARING WIDTH WI		CORNER HEIGHT MIN.		WASHER DIA. E	LOAD RATING (NEW TONS)				LIMITING SPEED (2)	BRG. MASS (APPROX.)
	MAX.	MIN.			MAX.	MIN.	Ro	Ri	NOM.	ISO LOAD RATING		LOAD RATING AS TRACK ROLLER			
	mm	mm	mm	mm	mm	mm	mm	mm	mm	DYNAMIC	STATIC	DYNAMIC	STATIC	RPM	Kg
MCYRD-15	15	14.992	35	18	19	18.79	0.6	0.3	20	23000	27000	16000	18000	6500	0.099
MCYRD-17	17	16.992	40	20	21	20.79	1.0	0.3	22	25000	31000	18000	22000	5500	0.147
MCYRD-20	20	19.990	47	24	25	24.79	1.0	0.3	27	38000	48000	27000	32000	4200	0.245
MCYRD-25	25	24.990	52	24	25	24.79	1.0	0.3	31	42000	57000	30000	35000	3400	0.281
MCYRD-30	30	29.990	62	28	29	28.79	1.0	0.3	38	58000	76000	41000	47000	2600	0.465
MCYRD-35	35	34.988	72	28	29	28.79	1.1	0.6	44	64000	89000	46000	57000	2100	0.630
MCYRD-40	40	39.988	80	30	32	31.75	1.1	0.6	51	89000	130000	64000	71000	1600	0.816
MCYRD-45	45	44.988	85	30	32	31.75	1.1	0.6	55	94000	143000	67000	72000	1400	0.883
MCYRD-50	50	49.988	90	30	32	31.75	1.1	0.6	60	99000	156000	71000	77000	1300	0.950

(1) Standard bearing has a crowned roller outside diameter. For straight cylindrical outside diameter, add suffix "X". (Example - MCYRD-15-X)
(2) Since load, lubrication method, temperature and other factors affect the maximum operating speed, it is impossible to determine precise limiting speed. The listed limiting speeds are based on lightly loaded bearings having adequate lubrication and are listed only as a design guide. If grease lubricated, frequent relubrication is required. Actual bearing testing in the specific application should be conducted if the anticipated operating speed approaches the listed limiting speed.

MCYR YOKE ROLLER



UNSEALED BEARING NUMBER (1)	SEALED BEARING NUMBER (1)	BEARING DIMENSIONS						
		BORE DIA. B		ROLLER DIA. RD NOM. (2)	ROLLER WIDTH W	WIDTH W1		CORNER RADIUS R
		MAX.	MIN.		+0.00 -0.12	MAX.	MIN.	
		mm	mm	mm	mm	mm	mm	mm
MCYRR-5	MCYRR-5-S	5	4 .9 92	16	11	12	11.82	0.3
MCYR-5	MCYR-5-S							
MCYRR-6	MCYRR-6-S	6	5 .9 92	19	11	12	11.82	0.3
MCYR-6	MCYR-6-S							
MCYRR-8	MCYRR-8-S	8	7.992	24	14	15	14.82	0.5
MCYR-8	MCYR-8-S							
MCYRR-10	MCYRR-10-S	10	9.992	30	14	15	14.82	1
MCYR-10	MCYR-10-S							
MCYRR-12	MCYRR-12-S	12	11.992	32	14	15	14.82	1
MCYR-12	MCYR-12-S							
MCYRR-15	MCYRR-15-S	15	14.992	35	18	19	18.79	1
MCYR-15	MCYR-15-S							
MCYRR-17	MCYRR-17-S	17	16.992	40	20	21	20.79	1.5
MCYR-17	MCYR-17-S							
MCYRR-20	MCYRR-20-S	20	19.990	47	24	25	24.79	1.5
MCYR-20	MCYR-20-S							
MCYRR-25	MCYRR-25-S	25	24.990	52	24	25	24.79	1.5
MCYR-25	MCYR-25-S							
MCYRR-30	MCYRR-30-S	30	29.990	62	28	29	28.79	1.5
MCYR-30	MCYR-30-S							
MCYRR-35	MCYRR-35-S	35	34.988	72	28	29	28.79	2
MCYR-35	MCYR-35-S							
MCYRR-40	MCYRR-40-S	40	39.988	80	30	32	31.75	2
MCYR-40	MCYR-40-S							
MCYRR-45	MCYRR-45-S	45	44.988	85	30	32	31.75	2
MCYR-45	MCYR-45-S							
MCYRR-50	MCYRR-50-S	50	49.988	90	30	32	31.75	2
MCYR-50	MCYR-50-S							

Limited Availability, Check Stock

(1) Standard bearing has a crowned roller outside diameter. For straight cylindrical outside diameter, add suffix "X". (Example - MCYRR-15-X or MCYR-15-SX)
(2) Tolerance limits for Roller Diameter are shown below.

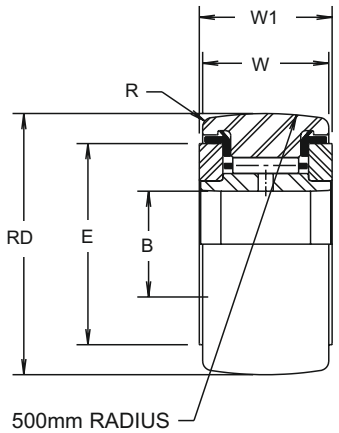
Cylindrical Roller Dia. "RD"

RD (NOM.)		TOLERANCE	
OVER	INCL.	MAX.	MIN.
mm	mm	mm	mm
6	18	0	-0.008
18	30	0	-0.009
30	50	0	-0.011
50	80	0	-0.013
80	120	0	-0.015

Crowned Roller Dia. "RD"

RD (NOM.)		TOLERANCE	
OVER	INCL.	MAX.	MIN.
mm	mm	mm	mm
6	120	0	-0.050

MCYR YOKE ROLLER



UNSEALED BEARING NUMBER (1)	SEALED BEARING NUMBER (1)	MOUNTING DIMENSIONS					LIMITING SPEED		LOAD RATINGS				MASS
		SHAFT DIAMETER (3)				CLAMPING DIA. E	GREASE (4)	OIL (4)	ISO/ABMA BASIC LOAD RATINGS NEWTONS		TRACK ROLLER LOAD RATINGS NEWTONS		
		LOOSE FIT FOR LIGHT LOADS g6		LIGHT TRANSITION FIT FOR MEDIUM LOADS h6									
		Max.	Min.	Max.	Min.				DYNAMIC	STATIC	DYNAMIC	STATIC	
		mm	mm	mm	mm	mm	rpm	rpm			(5)		kg.
MCYRR-5	**MCYRR-5-S**	4.996	4 .988	5	4.992	11	19500	25000	4120	4120	3430	3380	0.011
MCYR-5	**MCYR-5-S**						13000	17000	6960	8340	5790	6900	0.014
MCYRR-6	**MCYRR-6-S**	5.996	5.988	6	5.992	13	15500	20000	4510	5000	3730	4090	0.018
MCYR-6	**MCYR-6-S**						10500	13500	8040	10490	6670	8760	0.021
MCYRR-8	**MCYRR-8-S**	7.995	7.986	8	7.991	16	12500	16000	6860	7750	5690	6450	0.040
MCYR-8	**MCYR-8-S**						8400	11000	11470	15200	9610	12600	0.043
MCYRR-10	**MCYRR-10-S**	9.995	9.986	10	9.991	19	9600	12500	8240	9710	6860	8050	0.060
MCYR-10	**MCYR-10-S**						6400	8300	13340	18240	11080	15300	0.062
MCYRR-12	**MCYRR-12-S**	11.994	11.983	12	11.989	21	8100	10500	8730	10890	7260	9120	0.067
MCYR-12	**MCYR-12-S**						5400	7000	14420	20890	12060	17400	0.069
MCYRR-15	**MCYRR-15-S**	14.994	14.983	15	14.989	24	6300	8200	13040	19030	10890	15900	0.102
MCYR-15	**MCYR-15-S**						4200	5400	20300	34130	16970	28500	0.105
MCYRR-17	**MCYRR-17-S**	16.994	16.983	17	16.989	27	4900	6400	15990	23730	13340	19700	0.150
MCYR-17	**MCYR-17-S**						3300	4300	23240	38540	19420	32200	0.153
MCYRR-20	**MCYRR-20-S**	19.993	19.980	20	19.987	30	3900	5000	21280	35700	17750	29800	0.252
MCYR-20	**MCYR-20-S**						2600	3400	30790	57670	25690	48000	0.255
MCYRR-25	**MCYRR-25-S**	24.993	24.980	25	24.987	36	3300	4300	22950	41780	19120	34900	0.278
MCYR-25	**MCYR-25-S**						2200	2900	34130	70410	28440	58700	0.284
MCYRR-30	**MCYRR-30-S**	29.993	29.980	30	29.987	44	2500	3200	34030	65120	28340	54300	0.465
MCYR-30	**MCYR-30-S**						1700	2200	49720	107290	41480	89000	0.476
MCYRR-35	**MCYRR-35-S**	34.991	34.975	35	34.984	52	2200	2800	38930	72960	32460	60900	0.636
MCYR-35	**MCYR-35-S**						1500	1900	56880	120230	47370	100000	0.649
MCYRR-40	**MCYRR-40-S**	39.991	39.975	40	39.984	58	1900	2400	49720	94440	41480	78700	0.825
MCYR-40	**MCYR-40-S**						1300	1700	70020	147990	58350	123000	0.845
MCYRR-45	**MCYRR-45-S**	44.991	44.975	45	44.984	63	1800	2300	51190	101010	42760	84100	0.901
MCYR-45	**MCYR-45-S**						1200	1500	73750	163190	61490	136000	0.924
MCYRR-50	**MCYRR-50-S**	44.991	49.975	50	49.984	68	1600	2000	54720	113570	45600	94800	0.960
MCYR-50	**MCYR-50-S**						1100	1400	77180	178390	64330	148000	0.984

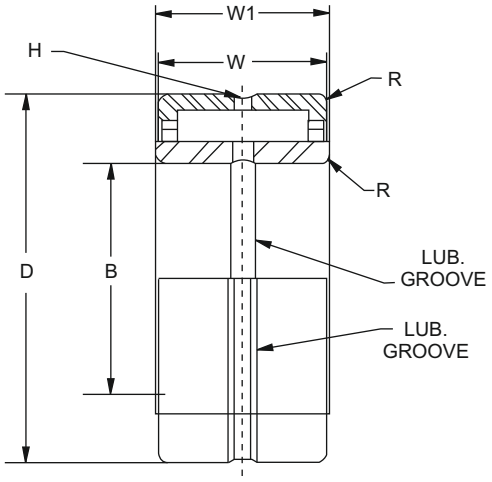
Limited Availability, Check Stock

(3) For a tight fit and heavy loads, use ISO tolerance j6.

(4) Since load, lubrication method, temperature and other factors affect the maximum operating speed, it is impossible to determine precise limiting speed. The listed limiting speeds are based on lightly loaded bearings having adequate lubrication and are listed only as a design guide. If grease lubricated, frequent relubrications is required. Actual bearing testing in the specific application should be conducted if the anticipated operating speed approaches the listed limiting speed.

(5) Dynamic load should not exceed 50% of Dynamic Rating as a track roller.

MR SERIES



Outer ring and roller assembly with separable inner ring

POWER DRIVE outer ring & roller assy.	POWER DRIVE NUMBER inner ring only	B		D		W	W1	H	R	SHAFT DIA.				HSG. BORE DIA.				STATIC LOAD RATING (LBS.)	BASIC DYNAMIC RATING (LBS.)
		+.0000	TOL.	+.0000	TOL.	+.000 -.005	+.000 -.005	HOLE DIA	MAX FILLET for shaft	ROTAT SHAFT	TOL. +.0000	STAT. SHAFT	TOL. +.0000	ROTAT. HSG.	TOL. +.0000	STAT. HSG.	TOL. +.0000		
MR-10-N	**MI-6-N**	0.3750	-0.0004	1.1250	-0.0005	0.750	0.760	5/64	0.025	0.3755	-0.0005	0.3747	-0.0005	1.1247	-0.0007	1.1257	-0.0007	4300	4320
MR-10-N	**MI-7-N**	0.4375	-0.0004	1.1250	-0.0005	0.750	0.760	5/64	0.025	0.4380	-0.0005	0.4372	-0.0005	1.1247	-0.0007	1.1257	-0.0007	4300	4320
MR-10	**MI-6**	0.3750	-0.0004	1.1250	-0.0005	1.000	1.010	5/64	0.025	0.3755	-0.0005	0.3747	-0.0005	1.1247	-0.0007	1.1257	-0.0007	6500	5930
MR-12-N	**MI-8-N**	0.5000	-0.0004	1.2500	-0.0005	0.750	0.760	5/64	0.040	0.5005	-0.0005	0.4997	-0.0005	1.2497	-0.0007	1.2507	-0.0007	5400	4990
MR-12-N	**MI-9-N**	0.5625	-0.0004	1.2500	-0.0005	0.750	0.760	5/64	0.040	0.5630	-0.0005	0.5623	-0.0005	1.2497	-0.0007	1.2507	-0.0007	5400	4990
MR-12	**MI-8**	0.5000	-0.0004	1.2500	-0.0005	1.000	1.010	5/64	0.040	0.5005	-0.0005	0.4997	-0.0005	1.2497	-0.0007	1.2507	-0.0007	8100	6830
MR-14-N	**MI-10-N**	0.6250	-0.0004	1.3750	-0.0005	0.750	0.760	5/64	0.040	0.6255	-0.0005	0.6247	-0.0005	1.3747	-0.0007	1.3757	-0.0007	6000	5280
MR-14-N	**MI-11-N**	0.6875	-0.0004	1.3750	-0.0005	0.750	0.760	5/64	0.040	0.6880	-0.0005	0.6872	-0.0005	1.3747	-0.0007	1.3757	-0.0007	6000	5280
MR-14	**MI-10**	0.6250	-0.0004	1.3750	-0.0005	1.000	1.010	5/64	0.040	0.6255	-0.0005	0.6247	-0.0005	1.3747	-0.0007	1.3757	-0.0007	9000	7240
MR-16-N	**MI-12-N**	0.7500	-0.0004	1.5000	-0.0005	0.750	0.760	5/64	0.040	0.7505	-0.0005	0.7497	-0.0005	1.4997	-0.0007	1.5007	-0.0007	7100	5880
MR-16-N	**MI-13-N**	0.8125	-0.0005	1.5000	-0.0005	0.750	0.760	5/64	0.040	0.8129	-0.0005	0.8121	-0.0005	1.4997	-0.0007	1.5007	-0.0007	7100	5840
MR-16	**MI-12**	0.7500	-0.0005	1.5000	-0.0005	1.000	1.010	5/64	0.040	0.7505	-0.0005	0.7497	-0.0005	1.4997	-0.0007	1.5007	-0.0007	10600	8000
MR-16	**MI-13**	0.8125	-0.0005	1.5000	-0.0005	1.000	1.010	5/64	0.040	0.8129	-0.0005	0.8121	-0.0005	1.4997	-0.0007	1.5007	-0.0007	10600	8000
MR-18-N	**MI-14-N**	0.8750	-0.0005	1.6250	-0.0005	1.000	1.010	3/32	0.040	0.8754	-0.0005	0.8746	-0.0005	1.6247	-0.0007	1.6257	-0.0007	12200	8720
MR-18-N	**MI-15-N**	0.9375	-0.0005	1.6250	-0.0005	1.000	1.010	3/32	0.040	0.9379	-0.0005	0.9371	-0.0005	1.6247	-0.0007	1.6257	-0.0007	12200	8720
MR-18	**MI-14**	0.8750	-0.0005	1.6250	-0.0005	1.250	1.260	3/32	0.040	0.8754	-0.0005	0.8746	-0.0005	1.6247	-0.0007	1.6257	-0.0007	16300	10900
MR-18	**MI-15**	0.9375	-0.0005	1.6250	-0.0005	1.250	1.260	3/32	0.040	0.9379	-0.0005	0.9371	-0.0005	1.6247	-0.0007	1.6257	-0.0007	16300	10900
MR-20-N	**MI-16-N**	1.0000	-0.0005	1.7500	-0.0005	1.000	1.010	3/32	0.040	1.0004	-0.0005	0.9996	-0.0005	1.7497	-0.0007	1.7507	-0.0007	13100	9020
MR-20	**MI-16**	1.0000	-0.0005	1.7500	-0.0005	1.250	1.260	3/32	0.040	1.0004	-0.0005	0.9996	-0.0005	1.7497	-0.0007	1.7507	-0.0007	17500	11300
MR-22-N	**MI-18-N**	1.1250	-0.0005	1.8750	-0.0005	1.000	1.010	3/32	0.040	1.1255	-0.0005	1.1246	-0.0005	1.8747	-0.0007	1.8757	-0.0007	14700	9640
MR-22	**MI-17**	1.0625	-0.0005	1.8750	-0.0005	1.250	1.260	3/32	0.040	1.0630	-0.0005	1.0621	-0.0005	1.8747	-0.0007	1.8757	-0.0007	19700	12100
MR-22	**MI-18**	1.1250	-0.0005	1.8750	-0.0005	1.250	1.260	3/32	0.040	1.1255	-0.0005	1.1246	-0.0005	1.8747	-0.0007	1.8757	-0.0007	19700	12100
MR-24-N	**MI-20-N**	1.2500	-0.0005	2.0625	-0.0006	1.000	1.010	3/32	0.060	1.2505	-0.0005	1.2496	-0.0005	2.0621	-0.0007	2.0632	-0.0007	15500	10300
MR-24	**MI-19**	1.1875	-0.0005	2.0625	-0.0006	1.250	1.260	3/32	0.060	1.1880	-0.0005	1.1871	-0.0005	2.0621	-0.0007	2.0632	-0.0007	20800	13000
MR-24	**MI-20**	1.2500	-0.0005	2.0625	-0.0006	1.250	1.260	3/32	0.060	1.2505	-0.0005	1.2496	-0.0005	2.0621	-0.0007	2.0632	-0.0007	20800	13000
MR-26-N	**MI-21-N**	1.3125	-0.0005	2.1875	-0.0006	1.000	1.010	3/32	0.060	1.3130	-0.0005	1.3121	-0.0005	2.1871	-0.0007	2.1882	-0.0007	16400	10600
MR-26	**MI-21**	1.3125	-0.0005	2.1875	-0.0006	1.250	1.260	3/32	0.060	1.3130	-0.0005	1.3121	-0.0005	2.1871	-0.0007	2.1882	-0.0007	22100	13300
MR-26	**MI-22-4S**	1.3750	-0.0005	2.1875	-0.0006	1.250	1.260	3/32	0.060	1.3755	-0.0005	1.3746	-0.0005	2.1871	-0.0007	2.1882	-0.0007	22100	13300
MR-28-N	**MI-24-N**	1.5000	-0.0005	2.3125	-0.0006	1.000	1.010	3/32	0.060	1.5005	-0.0005	1.4996	-0.0005	2.3121	-0.0007	2.3132	-0.0007	18100	11200
MR-28	**MI-22**	1.3750	-0.0005	2.3125	-0.0006	1.250	1.260	3/32	0.060	1.3755	-0.0005	1.3746	-0.0005	2.3121	-0.0007	2.3132	-0.0007	24400	14100
MR-28	**MI-23**	1.4375	-0.0005	2.3125	-0.0006	1.250	1.260	3/32	0.060	1.4380	-0.0005	1.4371	-0.0005	2.3121	-0.0007	2.3132	-0.0007	24400	14100
MR-28	**MI-24**	1.5000	-0.0005	2.3125	-0.0006	1.250	1.260	3/32	0.060	1.5005	-0.0005	1.4996	-0.0005	2.3121	-0.0007	2.3132	-0.0007	24400	14400

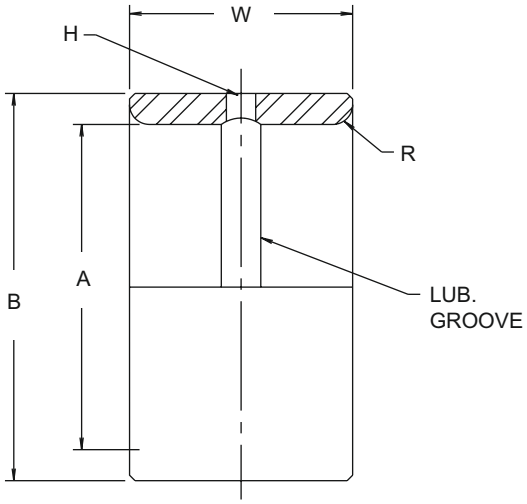
MR SERIES

POWER DRIVE outer ring & roller assy.	POWER DRIVE NUMBER inner ring only	B		D		W	W1	H	R	SHAFT DIA.				HSG. BORE DIA.				STATIC LOAD RATING (LBS.)	BASIC DYNAMIC RATING (LBS.)
		+.0000	TOL.	+.0000	TOL.	+.000 -.005	+.000 -.005	HOLE DIA	MAX FILLET for shaft	ROTAT SHAFT	TOL. +.0000	STAT. SHAFT	TOL. +.0000	ROTAT. HSG.	TOL. +.0000	STAT. HSG.	TOL. +.0000		
MR-30	**MI-25-4S**	1.5625	-.0005	2.4375	-.0006	1.250	1.260	3/32	0.60	1.5630	-.0005	1.5621	-.0005	2.4371	-0.0007	2.4382	-0.0007	25600	14400
MR-31	**MI-26-2S**	1.6250	-.0005	2.5000	-.0006	1.250	1.260	3/32	0.60	1.6255	-.0005	1.6246	-.0005	2.4996	-0.0007	2.5007	-0.0007	22400	12400
MR-32-N	**MI-26-N**	1.6250	-.0005	2.5625	-.0006	1.000	1.010	3/32	0.60	1.6255	-.0005	1.6246	-.0005	2.5621	-0.0007	2.5632	-0.0007	20700	12000
MR-32	**MI-25**	1.5625	-.0005	2.5625	-.0006	1.250	1.260	3/32	0.60	1.5630	-.0005	1.5621	-.0005	2.5621	-0.0007	2.5632	-0.0007	27900	15200
MR-32	**MI-26**	1.6250	-.0005	2.5625	-.0006	1.250	1.260	3/32	0.60	1.6255	-.0005	1.6246	-.0005	2.5621	-0.0007	2.5632	-0.0007	27900	15200
MR-32	**MI-27**	1.6875	-.0005	2.5625	-.0006	1.250	1.260	3/32	0.60	1.6880	-.0005	1.6871	-.0005	2.5621	-0.0007	2.5632	-0.0007	27900	15200
MR-36-N	**MI-28-N**	1.7500	-.0005	3.0000	-.0006	1.500	1.510	1/8	0.60	1.7505	-.0005	1.7496	-.0005	2.9996	-0.0007	3.0007	-0.0007	39100	22400
MR-36	**MI-28**	1.7500	-.0005	3.0000	-.0006	1.750	1.760	1/8	0.60	1.7505	-.0005	1.7496	-.0005	2.9996	-0.0007	3.0007	-0.0007	47400	26000
MR-36	**MI-30**	1.8750	-.0005	3.0000	-.0006	1.750	1.760	1/8	0.60	1.8755	-.0005	1.8746	-.0005	2.9996	-0.0007	3.0007	-0.0007	47400	26000
MR-40-N	**MI-32-N**	2.0000	-.0005	3.2500	-.0006	1.500	1.510	1/8	0.80	2.0005	-.0005	1.9996	-.0005	3.2496	-0.0007	3.2507	-0.0007	42900	23400
MR-40	**MI-31**	1.9375	-.0005	3.2500	-.0006	1.750	1.760	1/8	0.80	1.9380	-.0005	1.9371	-.0005	3.2496	-0.0007	3.2507	-0.0007	52100	27200
MR-40	**MI-32**	2.0000	-.0005	3.2500	-.0006	1.750	1.760	1/8	0.80	2.0005	-.0005	1.9996	-.0005	3.2496	-0.0007	3.2507	-0.0007	52100	27200
MR-40	**MI-34**	2.1250	-.0006	3.2500	-.0006	1.750	1.760	1/8	0.80	2.1258	-.0008	2.1247	-.0008	3.2496	-0.0007	3.2507	-0.0007	52100	27200
MR-44-N	**MI-36-N**	2.2500	-.0006	3.5000	-.0008	1.500	1.510	1/8	0.80	2.2508	-.0008	2.2497	-.0008	3.4995	-0.0010	3.5008	-0.0010	46700	24500
MR-44	**MI-35**	2.1875	-.0006	3.5000	-.0008	1.750	1.760	1/8	0.80	2.1883	-.0008	2.1872	-.0008	3.4995	-0.0010	3.5008	-0.0010	56700	28400
MR-44	**MI-36**	2.2500	-.0006	3.5000	-.0008	1.750	1.760	1/8	0.80	2.2508	-.0008	2.2497	-.0008	3.4995	-0.0010	3.5008	-0.0010	56700	28400
MR-48-N	**MI-40-N**	2.5000	-.0006	3.7500	-.0008	1.500	1.510	1/8	0.80	2.5008	-.0008	2.4997	-.0008	3.7495	-0.0010	3.7508	-0.0010	52300	26100
MR-48	**MI-38**	2.3750	-.0006	3.7500	-.0008	1.750	1.760	1/8	0.80	2.3758	-.0008	2.3747	-.0008	3.7495	-0.0010	3.7508	-0.0010	63400	30300
MR-48	**MI-39**	2.4375	-.0006	3.7500	-.0008	1.750	1.760	1/8	0.80	2.4383	-.0008	2.4372	-.0008	3.7495	-0.0010	3.7508	-0.0010	63400	30300
MR-48	**MI-40**	2.5000	-.0006	3.7500	-.0008	1.750	1.760	1/8	0.80	2.5008	-.0008	2.4997	-.0008	3.7495	-0.0010	3.7508	-0.0010	63400	30300
MR-52	**MI-42**	2.6250	-.0006	4.2500	-.0008	1.750	1.760	3/16	0.80	2.6258	-.0008	2.6247	-.0008	4.2495	-0.0010	4.2508	-0.0010	64400	29900
MR-52	**MI-44**	2.7500	-.0006	4.2500	-.0008	1.750	1.760	3/16	0.80	2.7508	-.0008	2.7497	-.0008	4.2495	-0.0010	4.2508	-0.0010	64400	29900
MR-56-N	**MI-48-N**	3.0000	-.0006	4.5000	-.0008	1.750	1.760	3/16	0.80	3.0008	-.0008	2.9997	-.0008	4.4995	-0.0010	4.5008	-0.0010	71600	31300
MR-56	**MI-46**	2.8750	-.0006	4.5000	-.0008	2.000	2.010	3/16	0.80	2.8758	-.0008	2.8747	-.0008	4.4995	-0.0010	4.5008	-0.0010	83500	35900
MR-56	**MI-47**	2.9375	-.0006	4.5000	-.0008	2.000	2.010	3/16	0.80	2.9383	-.0008	2.9372	-.0008	4.4995	-0.0010	4.5008	-0.0010	83500	35900
MR-56	**MI-48**	3.0000	-.0006	4.5000	-.0008	2.000	2.010	3/16	0.80	3.0008	-.0008	2.9997	-.0008	4.4995	-0.0010	4.5008	-0.0010	83500	35900
MR-60	**MI-50**	3.1250	-.0006	4.7500	-.0008	2.000	2.010	3/16	1.00	3.1260	-.0010	3.1246	-.0010	4.7495	-0.0010	4.7508	-0.0010	87100	36500
MR-60	**MI-52**	3.2500	-.0006	4.7500	-.0008	2.000	2.010	3/16	1.00	3.2510	-.0010	3.2496	-.0010	4.7495	-0.0010	4.7508	-0.0010	87100	36500
MR-64	**MI-54**	3.3750	-.0008	5.0000	-.0010	2.000	2.010	3/16	1.00	3.3758	-.0010	3.3746	-.0010	4.9999	-0.0015	5.0011	-0.0015	93800	38000
MR-64	**MI-56**	3.5000	-.0008	5.0000	-.0010	2.000	2.010	3/16	1.00	3.5008	-.0010	3.4996	-.0010	4.9999	-0.0015	5.0011	-0.0015	93800	38000
MR-68	**MI-58**	3.6250	-.0008	5.2500	-.0010	2.000	2.010	3/16	1.00	3.6258	-.0010	3.6246	-.0010	5.2499	-0.0015	5.2511	-0.0015	101000	39500
MR-68	**MI-60**	3.7500	-.0008	5.2500	-.0010	2.000	2.010	3/16	1.00	3.7508	-.0010	3.7496	-.0010	5.2499	-0.0015	5.2511	-0.0015	101000	39500
MR-72	**MI-62**	3.8750	-.0008	6.0000	-.0010	2.250	2.260	3/16	1.00	3.8758	-.0010	3.8746	-.0010	5.9999	-0.0015	6.0011	-0.0015	130000	60300
MR-80	**MI-64**	4.0000	-.0010	6.5000	-.0010	2.250	2.260	3/16	0.10	4.0008	-.0010	3.9996	-.0010	6.4999	-0.0015	6.5011	-0.0015	148000	64600
MR-80	**MI-68**	4.2500	-.0010	6.5000	-.0010	2.250	2.260	3/16	0.10	4.2508	-.0010	4.2496	-.0010	6.4999	-0.0015	6.5011	-0.0015	148000	64600
MR-88-N	**MI-72-N**	4.5000	-.0010	7.0000	-.0010	2.500	2.515	3/16	0.10	4.5008	-.0010	4.4996	-.0010	6.9999	-0.0015	7.0011	-0.0015	169800	70200
MR-88	**MI-72**	4.5000	-.0010	7.0000	-.0010	3.000	3.015	3/16	0.10	4.5008	-.0010	4.4996	-.0010	6.9999	-0.0015	7.0011	-0.0015	220000	85700
MR-96-N	**MI-80-N**	5.0000	-.0010	7.5000	-.0012	2.500	2.515	1/4	0.12	5.0010	-.0010	4.9995	-.0010	7.4998	-0.0015	7.5011	-0.0015	177000	71000
MR-96	**MI-80**	5.0000	-.0010	7.5000	-.0012	3.000	3.015	1/4	0.12	5.0010	-.0010	4.9995	-.0010	7.4998	-0.0015	7.5011	-0.0015	228000	86600
MR-104-N	**MI-88-N**	5.5000	-.0010	8.0000	-.0012	2.500	2.515	1/4	0.12	5.5010	-.0010	5.4995	-.0010	7.9998	-0.0015	8.0011	-0.0015	183000	71700
MR-104	**MI-88**	5.5000	-.0010	8.0000	-.0012	3.000	3.015	1/4	0.12	5.5010	-.0010	5.4995	-.0010	7.9998	-0.0015	8.0011	-0.0015	237000	87500
MR-116	**MI-96**	6.0000	-.0010	9.1250	-.0012	3.000	3.015	1/4	0.12	6.0012	-.0012	5.9995	-.0012	9.1248	-0.0015	9.1261	-0.0015	234000	95200
MR-124	**MI-104**	6.5000	-.0010	9.6250	-.0012	3.000	3.015	1/4	0.12	6.5012	-.0012	6.4995	-.0012	9.6250	-0.0020	9.6265	-0.0020	252000	99100
MR-132	**MI-112**	7.0000	-.0010	10.1250	-.0012	3.000	3.015	1/4	0.12	7.0012	-.0012	6.9995	-.0012	10.125	-0.0020	10.1265	-0.0020	270000	103000
MR-140	**MI-120**	7.5000	-.0012	10.6250	-.0014	3.000	3.015	1/4	0.16	7.5010	-.0012	7.4995	-.0012	10.625	-0.0020	10.6265	-0.0020	280000	104000
MR-148	**MI-128**	8.0000	-.0012	11.1250	-.0014	3.000	3.015	1/4	0.16	8.0010	-.0012	7.9995	-.0012	11.125	-0.0020	11.1265	-0.0020	292000	108000

Limited Availability, Check Stock

MI INNER RACES

POWER DRIVE, MI series inner races, as shown in preceding pages with outer race and roller assemblies, are repeated below for convenience of application as hardened and ground steel bushings or sleeves. They are complete with radial oil holes and annular lubrication grooves. Inner races of special configurations and materials are available on special order to suit individual requirements.

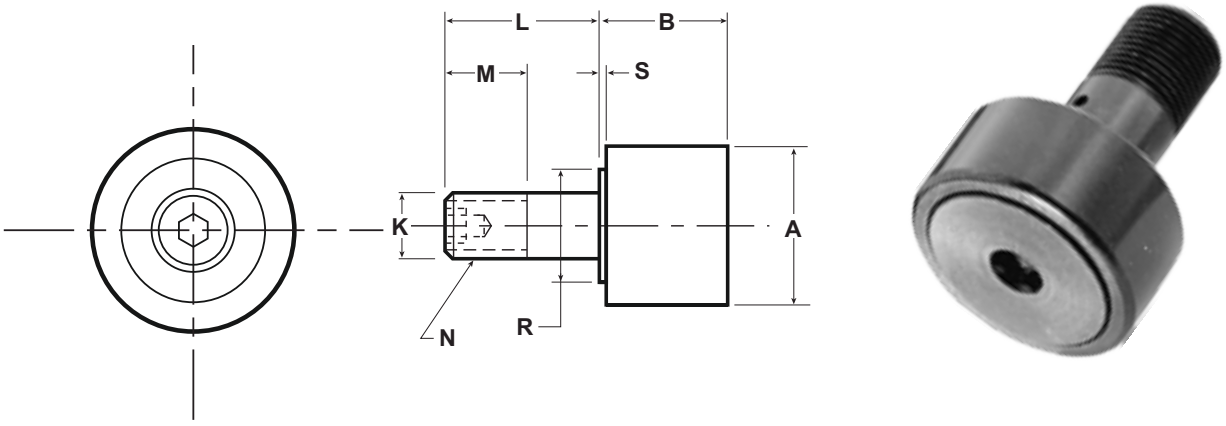


POWER DRIVE INNER RING NUMBER	DIMENSIONS IN INCHES						
	A BORE DIA.		B INNER O.D.		W WIDTH +.000 -.005	H HOLE DIA.	R MAX. FILLET FOR SHAFT
	NOM.	TOL. +.0000	NOM.	TOL. +.0000			
MI-6	0.3750	-.0004	0.6245	-.0004	1.010	3/32	0.025
MI-6-N	0.3750	-.0004	0.6245	-.0004	0.760	3/32	0.025
MI-7-N	0.4375	-.0004	0.6245	-.0004	0.760	3/32	0.025
MI-8	0.5000	-.0004	0.7493	-.0005	1.010	1/8	0.04
MI-8-N	0.5000	-.0004	0.7493	-.0005	0.760	1/8	0.04
MI-9-N	0.5625	-.0004	0.7493	-.0005	0.760	1/8	0.04
MI-10	0.6250	-.0004	0.8743	-.0005	1.010	1/8	0.04
MI-10-N	0.6250	-.0004	0.8743	-.0005	0.760	1/8	0.04
MI-11-N	0.6875	-.0004	0.8743	-.0005	0.760	1/8	0.04
MI-12	0.7500	-.0004	0.9993	-.0005	1.010	1/8	0.04
MI-12-N	0.7500	-.0004	0.9993	-.0005	0.760	1/8	0.04
MI-13	0.8125	-.0005	0.9993	-.0005	1.010	1/8	0.04
MI-13-N	0.8125	-.0005	0.9993	-.0005	0.760	1/8	0.04
MI-14	0.8750	-.0005	1.1241	-.0005	1.260	1/8	0.04
MI-14-N	0.8750	-.0005	1.1241	-.0005	1.010	1/8	0.04
MI-15	0.9375	-.0005	1.1241	-.0005	1.260	1/8	0.04
MI-15-N	0.9375	-.0005	1.1241	-.0005	1.010	1/8	0.04
MI-16	1.0000	-.0005	1.2491	-.0006	1.260	1/8	0.04
MI-16-N	1.0000	-.0005	1.2491	-.0006	1.010	1/8	0.04
MI-17	1.0625	-.0005	1.3741	-.0006	1.260	1/8	0.04
MI-18	1.1250	-.0005	1.3741	-.0006	1.260	1/8	0.04
MI-18-N	1.1250	-.0005	1.3741	-.0006	1.010	1/8	0.04
MI-19	1.1875	-.0005	1.4490	-.0006	1.260	1/8	0.06
MI-20	1.2500	-.0005	1.4490	-.0006	1.260	1/8	0.06
MI-20-N	1.2500	-.0005	1.4990	-.0006	1.010	1/8	0.06
MI-21	1.3125	-.0005	1.6240	-.0006	1.260	1/8	0.06
MI-21-N	1.3125	-.0005	1.6240	-.0006	1.010	1/8	0.06

MI INNER RACES

POWER DRIVE INNER RING NUMBER	DIMENSIONS IN INCHES						
	A BORE DIA.		B INNER O.D.		W WIDTH +.000 -.005	H HOLE DIA.	R MAX. FILLET FOR SHAFT
	NOM.	TOL. +.0000	NOM.	TOL. +.0000			
MI-22	1.3750	-.0005	1.7490	-.0006	1.260	1/8	0.06
MI-22-4S	1.3750	-.0005	1.6240	-.0006	1.260	1/8	0.06
MI-23	1.4375	-.0005	1.7490	-.0006	1.260	1/8	0.06
MI-24	1.5000	-.0005	1.7490	-.0006	1.260	1/8	0.06
MI-24-N	1.5000	-.0005	1.7490	-.0006	1.010	1/8	0.06
MI-25	1.5625	-.0005	1.9989	-.0007	1.260	1/8	0.06
MI-25-4S	1.5625	-.0005	1.8740	-.0006	1.260	1/8	0.06
MI-26	1.6250	-.0005	1.9989	-.0007	1.260	1/8	0.06
MI-26-2S	1.6250	-.0005	1.9364	-.0007	1.260	1/8	0.06
MI-26-N	1.6250	-.0005	1.9989	-.0007	1.010	1/8	0.06
MI-27	1.6875	-.0005	1.9989	-.0007	1.260	1/8	0.06
MI-28	1.7500	-.0005	2.2489	-.0007	1.760	3/16	0.06
MI-28-N	1.7500	-.0005	2.2489	-.0007	1.510	3/16	0.06
MI-30	1.8750	-.0005	2.2489	-.0007	1.760	3/16	0.06
MI-31	1.9375	-.0005	2.4989	-.0007	1.760	3/16	0.08
MI-32	2.0000	-.0005	2.4989	-.0007	1.760	3/16	0.08
MI-32-N	2.0000	-.0005	2.4989	-.0007	1.510	3/16	0.08
MI-34	2.1250	-.0006	2.4989	-.0007	1.760	3/16	0.08
MI-35	1.1875	-.0006	2.7489	-.0007	1.760	3/16	0.08
MI-36	2.2500	-.0006	2.7489	-.0007	1.760	3/16	0.08
MI-36-N	2.2500	-.0006	2.7489	-.0007	1.510	3/16	0.08
MI-38	2.3750	-.0006	2.9989	-.0007	1.760	3/16	0.08
MI-39	2.4375	-.0006	2.9989	-.0007	1.760	3/16	0.08
MI-40	2.5000	-.0006	2.9989	-.0007	1.760	3/16	0.08
MI-40-N	2.5000	-.0006	2.9989	-.0007	1.510	3/16	0.08
MI-42	2.6250	-.0006	3.2487	-.0009	1.760	3/16	0.08
MI-44	2.7500	-.0006	3.2487	-.0009	1.760	3/16	0.08
MI-46	2.8750	-.0006	3.4987	-.0009	2.010	1/4	0.08
MI-47	2.9375	-.0006	3.4987	-.0009	2.010	1/4	0.08
MI-48	3.0000	-.0006	3.4987	-.0009	2.010	1/4	0.08
MI-48-N	3.0000	-.0006	3.4987	-.0009	1.760	1/4	0.08
MI-50	3.1250	-.0006	3.7487	-.0009	2.010	1/4	0.1
MI-52	3.2500	-.0006	3.7487	-.0009	2.010	1/4	0.1
MI-54	3.3750	-.0008	3.9985	-.0009	2.010	1/4	0.1
MI-56	3.5000	-.0008	3.9985	-.0009	2.010	1/4	0.1
MI-58	3.6250	-.0008	4.2485	-.0009	2.010	1/4	0.1
MI-60	3.7500	-.0008	4.2485	-.0009	2.010	1/4	0.1
MI-62	3.8750	-.0008	4.4985	-.0009	2.260	1/4	0.1
MI-64	4.0000	-.0008	4.9985	-.0010	2.260	1/4	0.1
MI-68	4.2500	-.0008	4.9985	-.0010	2.260	1/4	0.1
MI-72	4.5000	-.0008	5.4985	-.0010	3.015	1/4	0.1
MI-72-N	4.5000	-.0008	5.4985	-.0010	2.515	1/4	0.1
MI-80	5.0000	-.0010	5.9983	-.0010	3.015	5/16	0.12
MI-80-N	5.0000	-.0010	5.9983	-.0010	2.515	5/16	0.12
MI-88	5.5000	-.0010	6.4983	-.0010	3.015	5/16	0.12
MI-88-N	5.5000	-.0010	6.4983	-.0010	2.515	5/16	0.12
MI-96	6.0000	-.0010	7.2481	-.0012	3.015	5/16	0.12
MI-104	6.5000	-.0010	7.7481	-.0012	3.015	5/16	0.12
MI-112	7.0000	-.0010	8.2481	-.0012	3.015	5/16	0.12
MI-120	7.5000	-.0012	8.7480	-.0012	3.015	5/16	0.16
MI-128	8.0000	-.0012	9.2480	-.0012	3.015	5/16	0.16

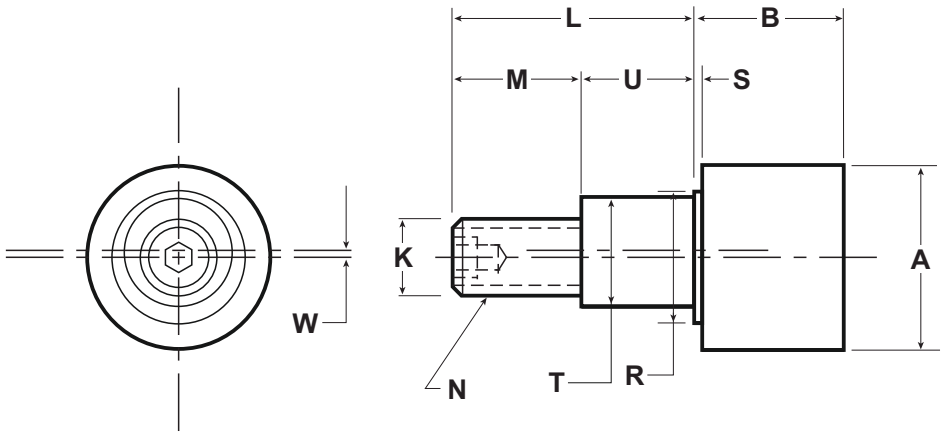
PLAIN TRACK ROLLER



PLR SERIES

Part No.	A Roller Dia	B Roller Width	K Stud Dia.	L Stud Length	M Thread Length	N Thread	R Shoulder Dia.	S Shoulder Legnth	Rec. Mtg. Hole Size	Mounting Member Max	Mounting Member Min	Bearing Capacity, Static Thrust (lbs)	Stud Capacity Shear (lbs)
PLR-1	1.000	0.781	0.437	1.000	0.500	7/16-20	0.500	0.031	0.438	0.625	0.500	140	1970
PLR-1-1/8	1.125	0.781	0.437	1.000	0.500	7/16-20	0.500	0.031	0.438	0.625	0.500	140	1970
PLR-1-1/4	1.250	0.844	0.500	1.250	0.625	1/2-20	0.625	0.031	0.501	0.750	0.625	370	3250
PLR-1-3/8	1.375	0.844	0.500	1.250	0.625	1/2-20	0.625	0.031	0.501	0.750	0.625	370	3250
PLR-1-1/2	1.500	1.187	0.625	1.500	0.750	5/8-18	0.750	0.062	0.626	1.000	0.750	680	5780
PLR-1-3/4	1.750	1.187	0.750	1.750	0.875	3/4-16	1.000	0.062	0.751	1.125	0.875	680	5780
PLR-1-3/4-1	1.750	1.437	0.500	0.875	0.750	1/2-13NC	0.625	0.312	0.501	-	-	595	4480
PLR-2	2.000	1.687	0.875	2.000	1.125	7/8-14	1.000	0.062	0.876	1.250	0.875	1000	11610
PLR-2-3	2.000	1.375	0.875	2.000	1.125	7/8-14	1.000	0.062	0.876	1.250	0.875	1000	11610
PLR-2-1/4	2.250	1.687	0.875	2.000	1.125	7/8-14	1.000	0.062	0.876	1.250	0.875	1000	11610
PLR-2-1/2	2.500	1.687	1.000	2.250	1.500	1-14	1.250	0.062	1.001	1.250	0.750	1400	14580
PLR-2-1/2-1	2.500	1.812	1.000	2.250	1.500	1-14	1.250	0.187	1.001	1.250	0.750	1400	14580
PLR-2-3/4	2.750	1.687	1.000	2.250	1.500	1-14	1.250	0.062	1.001	1.250	0.750	1400	14580
PLR-3	3.000	2.000	1.250	2.500	1.750	1-1/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
PLR-3-1/4	3.250	2.000	1.250	2.500	1.750	1-1/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
PLR-3-1/2	3.500	2.000	1.250	2.750	1.750	1-1/4-12	1.750	0.062	1.251	1.500	1.250	12000	40500
PLR-4	4.000	2.000	1.250	2.750	1.750	1-1/4-12	1.750	0.062	1.251	1.500	1.250	12000	40500
PLR-4-1/2	4.500	2.000	1.250	2.750	1.750	1-1/4-12	1.750	0.062	1.251	1.500	1.250	12000	40500
PLR-5	5.000	3.000	2.000	4.500	2.500	2-12	3.250	0.062	2.001	2.750	2.000	32500	103670
PLR-6	6.000	3.000	2.500	5.500	3.250	2-1/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990
PLR-7	7.000	3.000	2.500	5.500	3.250	2-1/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990
PLR-8	8.000	3.000	2.500	5.500	3.250	2-1/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990
PLR-10	10.000	3.000	2.500	5.500	3.250	2-1/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990
PLR-10-1	10.000	5.000	4.250	9.000	4.000	3-1/2-4NC	5.000	0.125	4.252	5.750	5.125	116000	468150

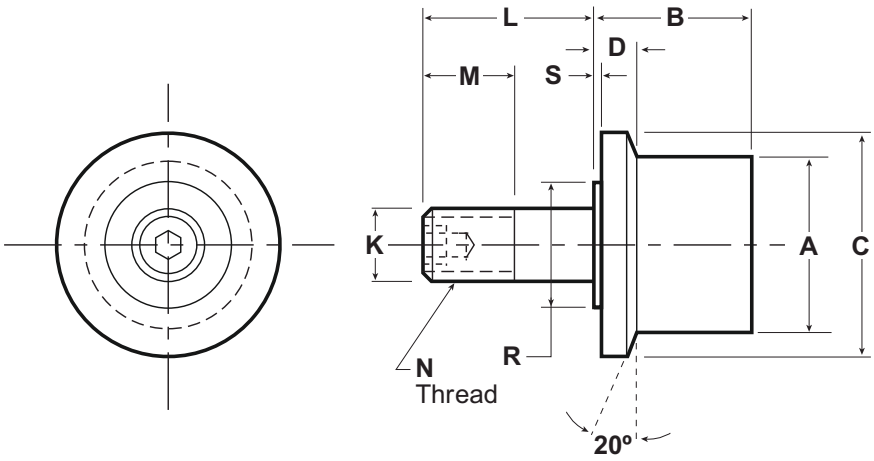
PLAIN ECCENTRIC TRACK ROLLER



PLRE SERIES

Part No.	A	B	K	L	M	N	R	S	T	U	W	Rec. Mtg. Hole Size	Mounting Member		Bearing Capacity, Static Thrust (lbs)	Stud Capacity Shear (lbs)
	Roller Dia	Roller Width	Stud Dia.	Stud Length	Thread Length	Thread	Shoulder Dia.	Shoulder Legnth	Eccentric Dia.	Eccentric Length	Eccentric		Max	Min		
PLRE-1	1.000	0.781	0.437	1.000	0.500	7/16-20	0.750	0.031	0.625	0.500	0.03	0.627	0.625	0.500	140	1970
PLRE-1-1/8	1.125	0.781	0.437	1.000	0.500	7/16-20	0.750	0.031	0.625	0.500	0.03	0.627	0.625	0.500	140	1970
PLRE-1-1/4	1.250	0.844	0.500	1.250	0.625	1/2-20	0.812	0.031	0.687	0.625	0.03	0.689	0.750	0.625	370	3250
PLRE-1-3/8	1.375	0.844	0.500	1.250	0.625	1/2-20	0.812	0.031	0.687	0.625	0.03	0.689	0.750	0.625	370	3250
PLRE-1-1/2	1.500	1.188	0.625	1.500	0.770	5/8-18	1.125	0.062	0.875	0.730	0.03	0.877	0.875	0.750	680	5780
PLRE-1-3/4	1.750	1.188	0.750	1.750	0.895	3/4-16	1.240	0.062	1.000	0.855	0.03	1.002	1.000	0.875	680	5780
PLRE-2	2.000	1.688	0.875	2.000	1.020	7/8-14	1.500	0.062	1.187	0.980	0.03	1.189	1.125	1.000	1000	11610
PLRE-2-1/4	2.250	1.688	0.875	2.000	1.020	7/8-14	1.500	0.062	1.187	0.980	0.03	1.189	1.125	1.000	1000	11610
PLRE-2-1/2	2.500	1.688	1.000	2.250	1.145	1-14	1.687	0.062	1.375	1.105	0.03	1.377	1.250	1.125	1400	14580
PLRE-2-1/2-1	2.500	1.812	1.000	2.250	1.145	1-14	1.687	0.062	1.375	1.105	0.03	1.377	1.250	1.125	4570	29920
PLRE-2-3/4	2.750	1.688	1.000	2.250	1.145	1-14	1.687	0.062	1.375	1.105	0.03	1.377	1.250	1.125	1400	14580
PLRE-3	3.000	2.000	1.250	2.500	1.270	11/4-12	2.312	0.062	1.750	1.230	0.06	1.752	1.375	1.250	12000	40500
PLRE-3-1/4	3.250	2.000	1.250	2.500	1.270	11/4-12	2.312	0.062	1.750	1.230	0.06	1.752	1.375	1.250	12000	40500
PLRE-3-1/2	3.500	2.000	1.250	2.750	1.395	11/4-12	2.312	0.062	1.812	1.355	0.06	1.814	1.500	1.375	12000	40500
PLRE-4	4.000	2.000	1.250	2.750	1.395	11/4-12	2.312	0.062	1.812	1.355	0.06	1.814	1.500	1.375	12000	40500
PLRE-5	5.000	3.000	2.000	4.500	2.375	2-12	3.250	0.062	2.625	2.125	0.06	2.627	2.500	2.250	32500	103670
PLRE-6	6.000	3.000	2.500	5.500	2.625	21/2-12	3.625	0.062	3.125	2.875	0.06	3.127	3.250	3.000	33100	161990

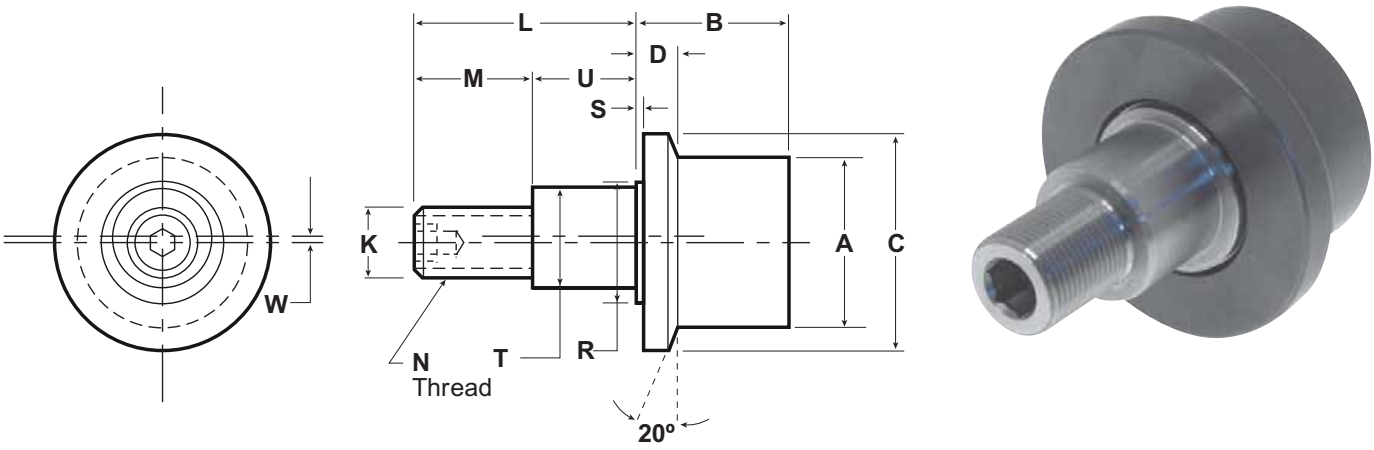
FLANGED TRACK ROLLER



FLR SERIES

Part No.	A	B	C	D	K	L	M	N	R	S	Rec.Mtg. Hole Size	Mounting Member		Bearing Capacity, Static Thrust (lbs)	Stud Capacity Shear (lbs)
	Roller Dia	Roller Width	Flange Dia	Flange Thickness	Stud Dia	Stud Legnth	Thread Legnth	Thread	Sholder Dia	Sholder Legnth		Max	Min		
FLR-1	1.000	0.781	1.375	0.219	0.437	1.000	0.500	7/16-20	0.500	0.031	0.438	0.625	0.500	140	1970
FLR-1-1/8	1.125	0.781	1.500	0.219	0.437	1.000	0.500	7/16-20	0.500	0.031	0.438	0.625	0.500	140	1970
FLR-1-1/4	1.250	0.844	1.563	0.219	0.500	1.250	0.625	1/2-20	0.625	0.031	0.501	0.750	0.625	370	3250
FLR-1-3/8	1.375	0.844	1.688	0.219	0.500	1.250	0.625	1/2-20	0.625	0.031	0.501	0.750	0.625	370	3250
FLR-1-1/2	1.500	1.188	2.188	0.343	0.625	1.500	0.750	5/8-18	0.750	0.062	0.626	1.000	0.750	680	5780
FLR-1-1/2-1	1.500	1.063	2.000	0.343	0.500	1.375	0.750	1/2-20	0.625	0.125	0.501	1.000	0.750	600	4020
FLR-1-3/4	1.750	1.188	2.438	0.343	0.750	1.750	0.875	3/4-16	1.000	0.062	0.751	1.125	0.875	680	5780
FLR-2	2.000	1.688	2.688	0.593	0.875	2.000	1.125	7/8-14	1.000	0.062	0.876	1.250	0.875	1000	11610
FLR-2-1/4	2.250	1.688	2.938	0.593	0.875	2.000	1.125	7/8-14	1.000	0.062	0.876	1.250	0.875	1000	11610
FLR-2-1/2	2.500	1.688	3.188	0.593	1.000	2.250	1.500	1-14	1.250	0.062	1.001	1.250	0.750	1400	14580
FLR-2-1/2-1	2.500	1.812	3.188	0.593	1.000	2.250	1.500	1-14	1.250	0.062	1.001	1.250	0.750	4570	25920
FLR-2-3/4	2.750	1.688	3.438	0.593	1.000	2.250	1.500	1-14	1.250	0.062	1.001	1.250	0.750	1400	14580
FLR-3	3.000	2.000	3.938	0.593	1.250	2.500	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
FLR-3-1/4	3.250	2.000	4.188	0.593	1.250	2.500	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
FLR-3-1/2	3.500	2.000	4.438	0.593	1.250	2.750	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
FLR-4	4.000	2.000	4.938	0.593	1.250	2.750	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
FLR-4-1	4.000	2.000	4.938	1.000	1.250	2.750	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
FLR-4-1/2	4.500	2.000	5.438	0.593	1.250	2.750	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
FLR-5	5.000	3.000	5.938	0.718	2.000	4.500	2.500	2-12	3.250	0.062	2.001	2.750	2.000	32500	103670
FLR-6	6.000	3.000	6.938	0.718	2.500	5.500	3.250	21/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990
FLR-7	7.000	3.000	7.938	0.718	2.500	5.500	3.250	21/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990
FLR-8	8.000	3.000	8.938	0.718	2.500	5.500	3.250	21/2-12	3.250	0.062	2.501	3.250	2.000	33100	161990

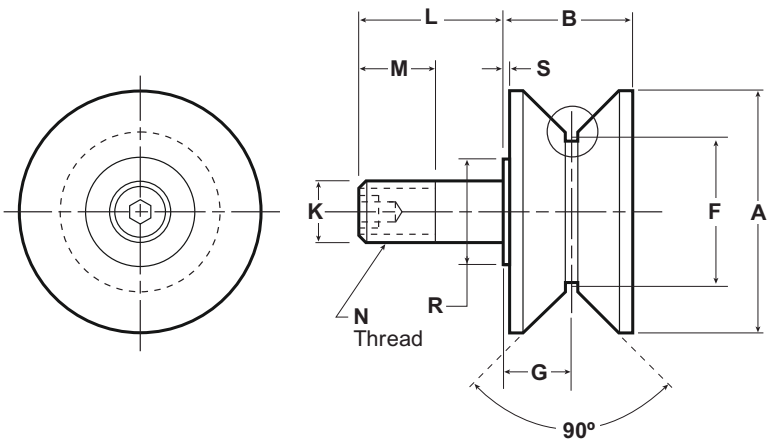
FLANGED ECCENTRIC TRACK ROLLER



FLRE SERIES

Part No.	A	B	C	D	K	L	M	N	R	S	S	U	W	Rec.Mtg. Hole Size	Mounting Member		Bearing Capacity, Static Thrust (lbs)	Stud Capacity Shear (lbs)
	Roller Dia	Roller Width	Flange Dia	Flange Thickness	Stud Dia	Stud Legnth	Thread Legnth	Thread	Sholder Dia	Sholder Legnth	Eccentric Dia.	Eccentric Legnth	Eccentricity		Max	Min		
FLRE-1	1.000	0.781	1.375	0.219	0.437	1.000	0.500	7/16-20	0.750	0.031	0.030	0.625	0.031	0.500	0.627	0.500	140	1970
FLRE-1-1/8	1.125	0.781	1.500	0.219	0.437	1.000	0.500	7/16-20	0.750	0.031	0.030	0.625	0.031	0.500	0.627	0.500	140	1970
FLRE-1-1/4	1.250	0.844	1.563	0.219	0.500	1.250	0.625	1/2-20	0.812	0.031	0.030	0.687	0.031	0.625	0.689	0.625	370	3250
FLRE-1-3/8	1.375	0.844	1.688	0.219	0.500	1.250	0.625	1/2-20	0.812	0.031	0.030	0.687	0.031	0.625	0.689	0.625	370	3250
FLRE-1-1/2	1.500	1.187	2.188	0.343	0.625	1.500	0.770	5/8-18	1.125	0.062	0.030	0.875	0.062	0.730	0.877	0.750	680	5780
FLRE-1-3/4	1.750	1.187	2.438	0.343	0.750	1.750	0.895	3/4-16	1.240	0.062	0.030	1.000	0.062	0.855	1.002	0.875	680	5780
FLRE-2	2.000	1.688	2.688	0.593	0.875	2.000	1.020	7/8-14	1.500	0.062	0.030	1.187	0.062	0.980	1.189	1.000	1000	11610
FLRE-2-1/4	2.250	1.688	2.938	0.593	0.875	2.000	1.020	7/8-14	1.500	0.062	0.030	1.187	0.062	0.980	1.189	1.000	1000	11610
FLRE-2-1/2	2.500	1.688	3.188	0.593	1.000	2.250	1.145	1-14	1.687	0.062	0.030	1.375	0.062	1.105	1.377	1.125	1400	14580
FLRE-2-1/2-1	2.500	1.812	3.188	0.593	1.000	2.250	1.145	1-14	1.687	0.062	0.030	1.375	0.062	1.105	1.377	1.125	4570	29920
FLRE-2-3/4	2.750	1.688	3.438	0.593	1.000	2.250	1.145	1-14	1.687	0.062	0.030	1.375	0.062	1.105	1.377	1.125	1400	14580
FLRE-3	3.000	2.000	3.938	0.593	1.250	2.500	1.270	11/4-12	2.312	0.062	0.060	1.750	0.062	1.230	1.752	1.250	12000	40500
FLRE-3-1/4	3.250	2.000	4.188	0.593	1.250	2.500	1.270	11/4-12	2.312	0.062	0.060	1.750	0.062	1.230	1.752	1.250	12000	40500
FLRE-3-1/2	3.500	2.000	4.438	0.593	1.250	2.750	1.395	11/4-12	2.312	0.062	0.060	1.812	0.062	1.355	1.814	1.375	12000	40500
FLRE-4	4.000	2.000	4.938	0.593	1.250	2.750	1.395	11/4-12	2.312	0.062	0.060	1.812	0.062	1.355	1.814	1.375	12000	40500
FLRE-4-1/2	4.500	2.000	5.438	0.593	1.250	2.750	1.395	11/4-12	2.312	0.062	0.060	1.812	0.062	1.355	1.814	1.375	12000	40500
FLRE-5	5.000	3.000	5.938	0.718	2.000	4.500	2.375	2-12	3.250	0.062	0.060	2.625	0.062	2.125	2.627	2.250	32500	103670
FLRE-6	6.000	3.000	6.938	0.718	2.500	5.500	2.625	21/2-12	3.625	0.062	0.060	3.125	0.062	2.875	3.127	3.000	33100	161990

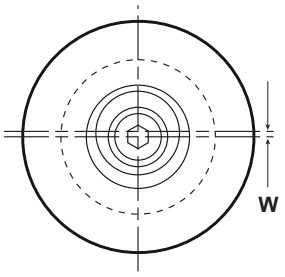
V-GROOVED TRACK ROLLER

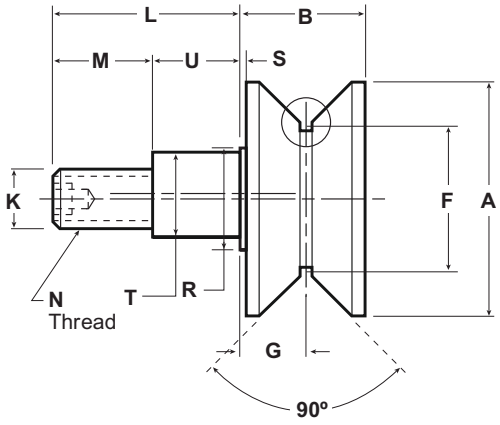


VLR SERIES

Part No.	A	B	C	D	K	L	M	N	R	S	Rec.Mtg. Hole Size	Mounting Member		Bearing Capacity, Static Thrust (lbs)	Stud Capacity Shear(lbs)
	Roller Dia	Roller Width	Flange Dia	Flange Thickness	Stud Dia	Stud Legnth	Thread Legnth	Thread	Sholder Dia	Sholder Legnth		Max	Min		
VLR-1-1/2	1.500	0.781	1.125	0.391	0.437	1.000	0.500	7/16-20	0.500	0.031	0.438	0.625	0.500	140	1970
VLR-2	2.000	0.844	1.375	0.422	0.500	1.250	0.625	1/2-20	0.625	0.031	0.500	0.750	0.625	370	3250
VLR-2-1/2	2.500	1.312	1.500	0.687	0.750	1.750	0.875	3/4-16	1.000	0.062	0.751	1.250	1.000	680	5780
VLR-3-1/2	3.500	1.687	2.250	0.875	0.875	2.000	1.125	7/8-14	1.000	0.062	0.876	1.250	1.000	1400	14580
VLR-3-1/2-1	3.500	2.000	2.250	0.875	0.750	2.000	1.125	3/4-16	1.250	0.062	0.751	1.250	1.000	3150	14580
VLR-4-1/2	4.500	2.000	3.000	1.000	1.250	2.500	1.750	11/4-12	1.750	0.062	1.251	1.250	1.000	12000	40500
VLR-5-1/2	5.500	2.000	4.000	1.000	1.250	2.750	1.750	11/4-12	1.750	0.062	1.251	1.500	1.250	12000	40500
VLR-6-1/2	6.500	3.000	5.000	1.500	2.000	4.500	2.500	2-12	3.250	0.062	2.001	3.000	2.000	33100	103670
VLR-7-1/2	7.500	3.000	6.000	1.500	2.500	5.500	3.250	21/2-12	3.250	0.062	2.501	3.250	2.250	33100	161990
VLR-8-1/2	8.500	3.000	7.000	1.500	2.500	5.500	3.250	21/2-12	3.250	0.062	2.501	3.250	2.250	33100	161990

V-GROOVED ECCENTRIC TRACK ROLLER



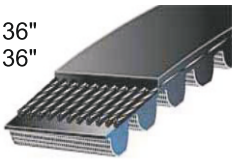


VLRE SERIES

Part No.	A Roller Dia	B Roller Width	C Flange Dia	D Flange Thickness	K Stud Dia	L Stud Legnth	M Thread Legnth	N Thread	R Sholder Dia	S Sholder Legnth	T Eccentric Dia	U Eccentric Length	W Eccentricity	Rec.Mtg. Hole Size	Mounting Member Max	Mounting Member Min	Bearing Capacity, Static Thrust (lbs)	Stud Capacity Shear (lbs)
VLRE-1-1/2	1.500	0.731	1.125	0.391	0.437	1.000	0.500	7/16-20	0.750	0.031	0.625	0.500	0.030	0.627	0.625	0.500	140	1970
VLRE-2	2.000	0.844	1.375	0.422	0.500	1.250	0.625	1/2-20	0.812	0.031	0.687	0.625	0.030	0.689	0.750	0.625	370	3250
VLRE-2-1/2	2.500	1.312	1.500	0.687	0.750	1.750	0.895	3/4-16	1.375	0.062	1.000	0.855	0.030	1.002	1.000	0.875	680	5780
VLRE-3-1/2	3.500	1.687	2.250	0.875	0.875	2.000	1.020	7/8-14	1.500	0.062	1.187	0.980	0.030	1.189	1.125	1.000	1400	14580
VLRE-3-1/2-1	3.500	1.890	2.250	0.875	0.750	2.000	1.020	3/4-16	1.500	0.125	1.187	0.980	0.030	1.189	1.125	1.000	3150	14580
VLRE-4-1/2	4.500	2.000	3.000	1.000	1.250	2.500	1.270	11/4-12	2.312	0.062	1.750	1.230	0.060	1.752	1.375	1.250	12000	40500
VLRE-5-1/2	5.500	2.000	4.000	1.000	1.250	2.750	1.395	11/4-12	2.312	0.062	1.812	1.355	0.060	1.814	1.500	1.325	12000	40500
VLRE-6-1/2	6.500	3.000	5.000	1.500	2.000	4.500	2.375	2-12	3.250	0.062	2.625	2.125	0.060	2.627	2.500	2.250	33100	103670
VLRE-7-1/2	7.500	3.000	6.000	1.500	2.500	5.500	2.625	21/2-12	3.625	0.062	3.125	2.875	0.060	3.127	3.250	3.000	33100	161990

BELTS

A1	**- A180**	**AX16**	**- AX239**	MXL, XL, L, H, XH, XXH belts upto 36"
B2	**- B315**	**BX23**	**- BX210**	3M, 5M, 8M & 14M HTD belts upto 36"
C5	**- C420**	**CX51**	**- CX210**	T2.5, T5, T10 & T20 belts upto 12"
D10	**- D660**	**E180**	**- E660**	AT5, AT10 & AT20 belts upto 12"
3V25	**- 3V1400**	**3VX250**	**- 3VX1400**	Polychain® Belts are also available.
5V50	**- 5V3550**	**5VX500**	**- 5VX2000**	
8V1000	**- 8V5600**			



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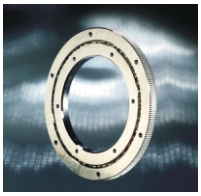
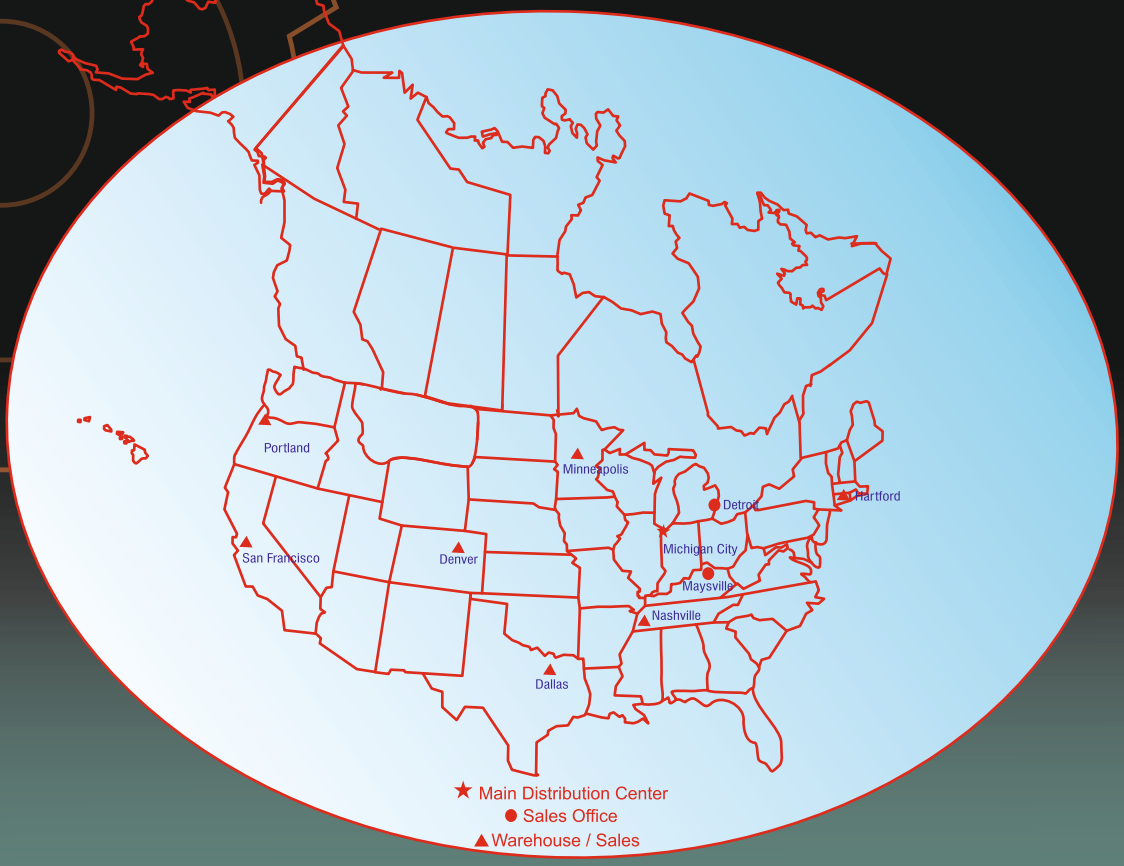


THIN SECTION BEARINGS

For more information call 606-564-6100 or Fax at 606-564-5700 or email us at info@powerdrive.com



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