





Cam Followers

Unmounted bearing assembly consisting of hardened precision ground inner and outer raceways with either full complement or separated (cage) needle, ball, tapered or cylindrical rolling elements constructed with an integral stud or precision ground bore. Cam follower bearings provide an antifriction solution for translating rotation to linear motion or supporting either pure radial or combination thrust loads depending on the rolling elements types.

Bearing Configurations

Cylindrical, Crowned, V-Groove Or Flanged

Mounting Styles

Eccentric Or Concentric Stud Or Yoke

Outer Roller Diameter Range

1/2" To 10" And 13 mm To 90 mm

Materials

Bearing Quality Steel, Stainless

Cam Follower Selection Guide

				SIZE RANGE	
		Product Series	Material / Finish	Inch	Metric
CAMROL		CF	Black Oxide Finish Bearing Steel	1/2 - 10	
		CYR		3/4 - 10	
		CFH		1/2 - 7	
		BCF		1/2 - 4	
		BCYR		3/4 - 4	
		MCF			16 - 90
		MCFR			13 - 90
		MCYR			5 - 50
		MCYRR			5 - 50
Heavy-Duty		CFD	Black Oxide Finish Bearing Steel	1 1/4 - 6	
		CYRD		1 1/4 - 6	
		MCFD			35 - 80
		MCYRD			15 - 50

* For estimating purpose only, individually sizes may vary and are subject to change without notification

McGill CAMROL Cam Followers are available in 400 series stainless steel components for improved resistance to both external and internal corrosion.

CRES CAMROL bearings are dimensionally interchangeable with standard CAMROL[®] bearings and easily identifiable with "CR" designation.



Inch Cam Follower Bearings **McGILL**



DESIGN CHARACTERISTICS					FEATURES							Page No.
Radial Load	Thrust Load	Precision	High Speed	Relative Base Cost *	Crowned OD	Eccentric Stud	Lubrication Holes	Seal	Hex Hole	Slotted Face	Jam Nuts	
				\$	O	O	S	O	O	S	-	B-15
				\$	O	-	S	O	-	-	-	B-39
				\$\$	O	-	S	O	O	S	-	B-15
				\$	O	O	S	O	O	S	-	B-45
				\$	O	-	S	O	-	-	-	B-57
				\$	S	O	S	O	O	S	S	B-69
				\$	S	O	S	O	O	S	S	B-69
				\$	S	-	S	O	O	-	S	B-91
				\$	S	-	S	O	-	-	S	B-91
				\$\$	O	O	O	S	S	-	-	B-103
				\$\$	O	-	O	S	-	-	-	B-107
				\$\$	S	O	S	-	O	S	S	B-111
				\$\$	S	-	S	-	-	-	-	B-115

Circular Track / Misalignment

Load Sharing / Adjustment To Track

Relubrication To Help Promote Bearing Operating Life

Contamination Barrier

Blind Hole Mounting

Allows The Use Of A Lube Fitting When Lubrication From The Flange Side Of Bearing

Accessories Included

O = Optional

S = Standard

○ = Not Recommended



Poor ← → **Best**

Cam Follower Selection Guide

			SIZE RANGE		
		Product Series	Material / Finish	Inch	Metric
Special Duty		SDCF	Black Oxide Finish Bearing Steel	1 - 4	
		SDMCF			25 - 100
TRAKROL		PCF	Black Oxide Finish Bearing Steel	1 1/2 - 9	
		PCYR		3 - 6	
		FCF		1 1/2 - 9	
		FCYR		3 - 6	
		VCF		2 1/2 - 8 1/2	
		VCYR		3 1/2 - 7 1/2	

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Inch Cam Follower Bearings **McGILL**

Cam Follower Bearings



DESIGN CHARACTERISTICS					FEATURES							Page No.
Radial Load	Thrust Load	Precision	High Speed	Relative Base Cost *	Crowned OD	Eccentric Stud	Lubrication Hole	Seal	Hex Hole	Slotted Face	Jam Nuts	
				\$\$\$	O	O	-	S	S	-	S	B-123
				\$\$\$	O	O	-	S	S	-	S	B-125
				\$\$	O	O	-	S	-	-	O	B-131
				\$\$	O	-	-	S	S	-	-	B-133
				\$\$\$	-	O	-	S	S	-	O	B-135
				\$\$	-	-	-	S	-	-	-	B-137
				\$\$	-	O	-	S	S	-	O	B-139
				\$\$	-	-	-	S	-	-	-	B-141

Circular Track / Misalignment

Load Sharing / Adjustment To Track

Relubrication And Promote Bearing Life

Contamination Barrier

Blind Hole Mounting

Allows The Use Of A Lube Fitting When Lubrication From The Flange Side Of Bearing

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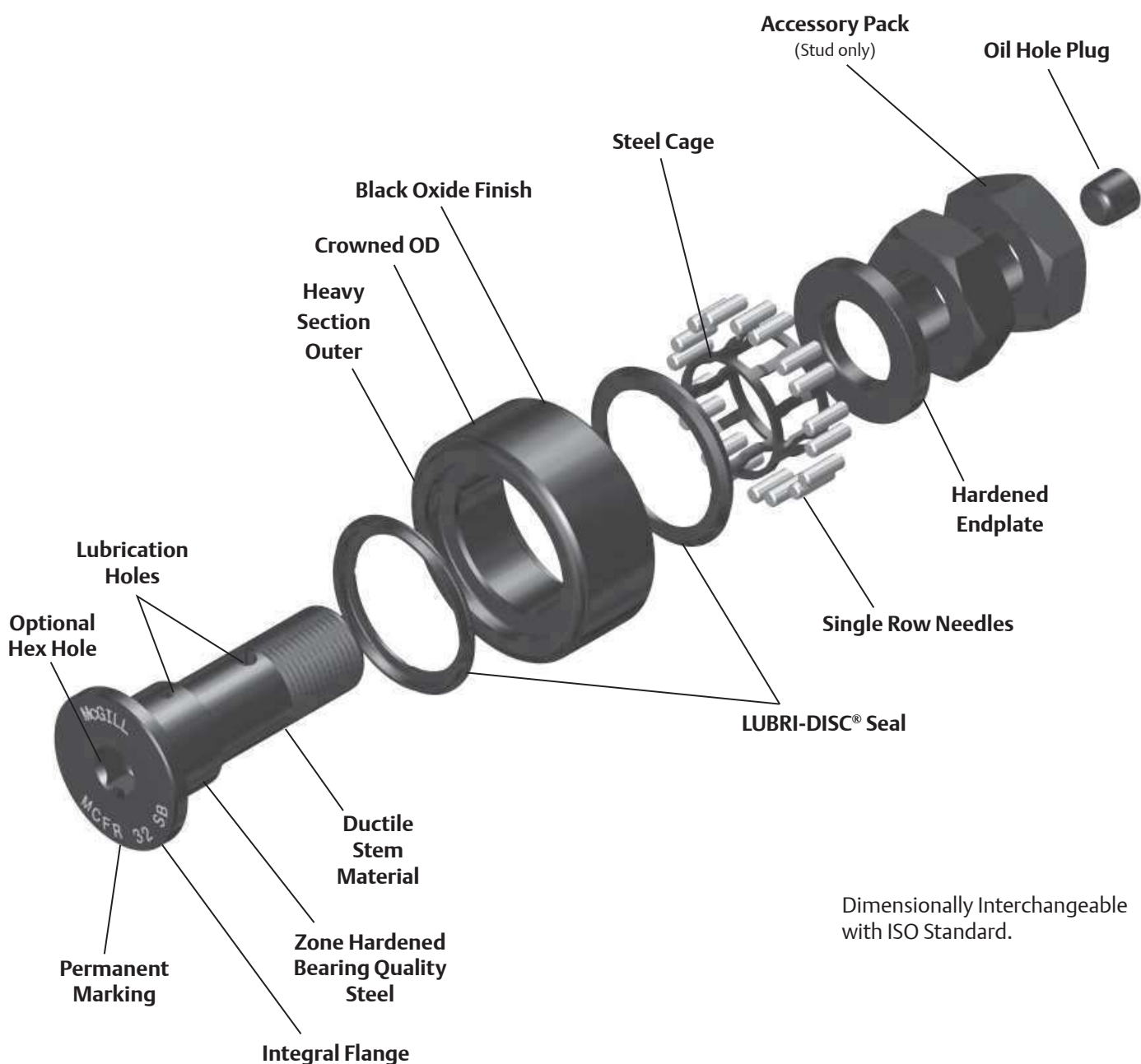


Poor ← → **Best**

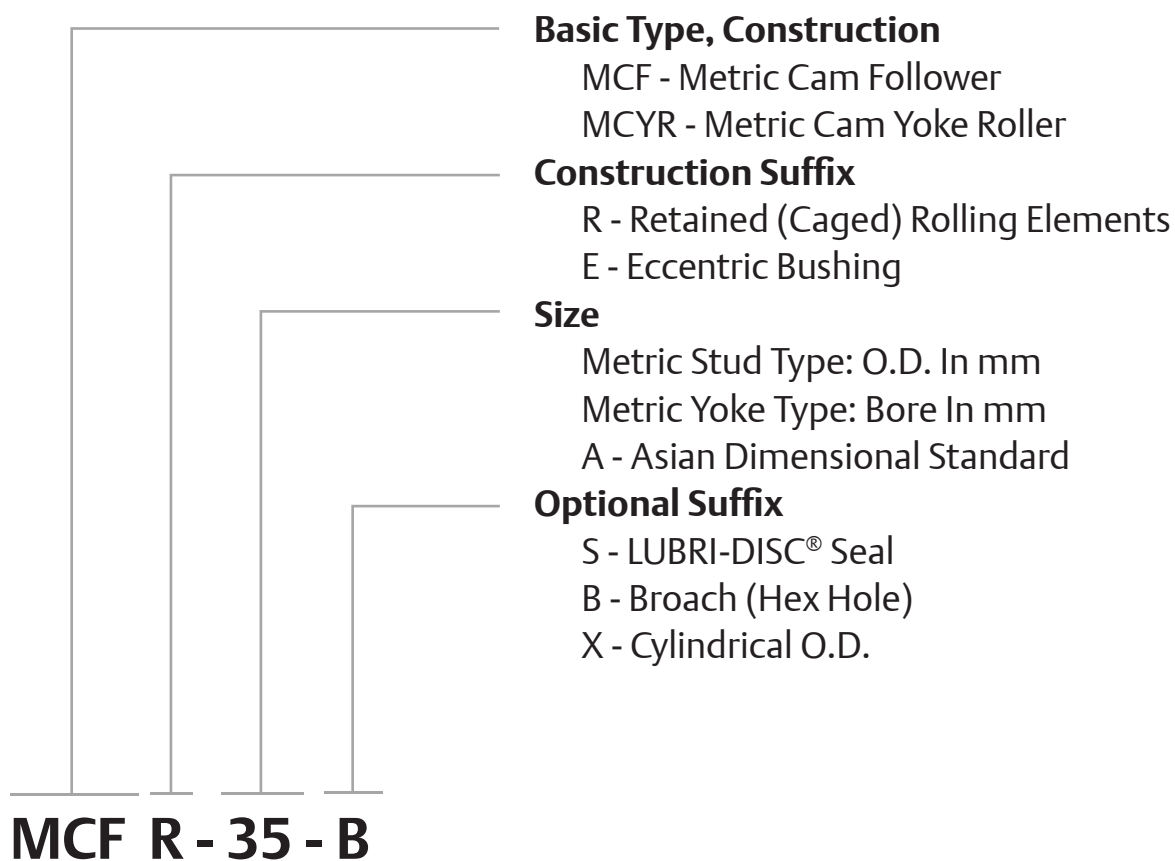
* For estimating purpose only, individual costs may vary and are subject to change without notification

McGill Metric Cam Followers

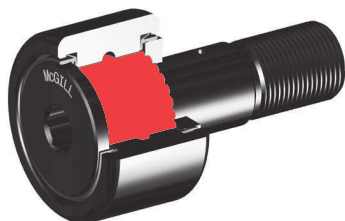
McGill Metric CAMROL bearings are available with either a full complement, or caged (retainer type) set of needles featuring black oxide treated bearing steel while conforming to ISO standard envelope dimensions for use mechanical automation or linear motion applications. Our basic features each contribute to improved performance, while the LUBRI-DISC® seal option helps prevent metal to metal contact within the bearing while providing a barrier for contaminant entry and allow venting of excess or old grease during lubrication. In addition to the seal option these bearings are available with several dimensional choices and combinations to provide a solution specific for the application. Within the following section you can learn more about these features and how they can be applied to your application.



Cam Follower Metric Nomenclature

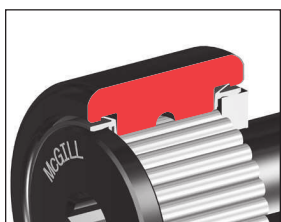


Features and Benefits



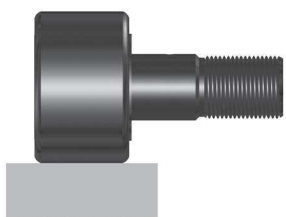
Single Row Full Complement Needle Rollers

The needle roller diameter, length, and number have been optimized to provide a high dynamic and static load rating, contained within industry standard bearing envelope dimensions.



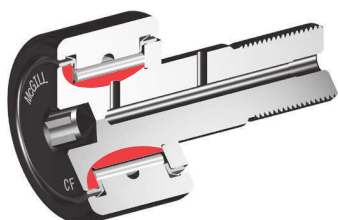
Heavy Section Outer

The heavy section outer helps support radial loading and provide proper rolling element support.



Cylindrical Outside Diameter (OD)

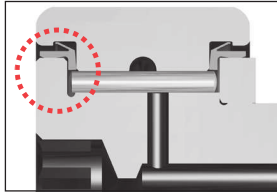
The cylindrical OD can improve performance in certain applications such as improved track capacity by maximizing the contact area with the track.



Zone Hardened Raceways

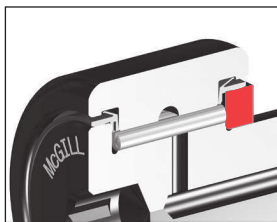
Heat treatment used to precisely harden working surfaces of the raceway and flange. The hardened surfaces provide support for the rolling element contact stresses, while keeping the core of the inner ductile to help absorb shock loads.

Features and Benefits continued



Integral Flange - Stud Type

The integral flange helps maintain bearing integrity throughout the bearing life. Zone hardened to provide wear resistance from incidental contact with the outer or rollers, and provides a sealing surface with LUBRI-DISC® seal option.



Hardened Endplate

The endplate provides a locating shoulder when mounting the stud or yoke style cam follower. Also, similar to the flange, the endplate must resist wear from incidental contact with the outer or rollers. The hardened and ground endplate provides a sealing surface with LUBRI-DISC® seal option.

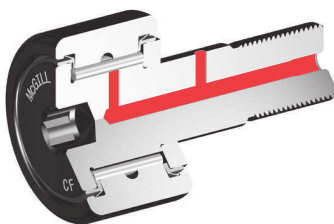


Roll Formed Threads - Stud Type

Roll forming is the process used to produce threads. By moving the material into shape instead of cutting the threads, the threads are produced to meet class 6G tolerances and are work hardened resulting in improved holding power. Available in both Asian (with "A" suffix) or European Metric as standard.

Factory Grease Fill

The cam follower and cam yoke roller bearings are factory lubricated with a medium temperature grease. Contact Application Engineering when application conditions require special lubricants.



Lubrication Holes

Most sizes of McGill CAMROL bearings include lubrication hole(s) to accept a standard drive fitting or an included plug. The oil hole plug is recommended for closing unused lubrication hole to help protect against bearing contamination or lubrication loss.

McGill CAMROL Yoke roller bearings include a lubrication hole to provide a passage for lubrication to the rolling elements from the yoke roller bore. The customer supplied shaft must provide an axial lubrication path to supply bearing.

Features and Benefits continued



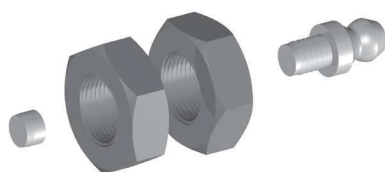
Black Oxide Finish

Bearings have a black oxide finish on all external surfaces.



Permanent Marking

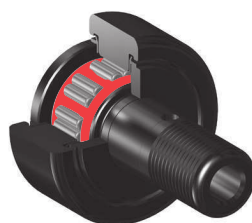
Part number permanently marked on bearing face, helps bearing identification after years of service.



Installation Accessory Pack

All McGill Metric Cam followers include (2) jam nuts to ensure proper thread type (Asian / European), Fitting and plug to help provide proper lubrication path to the rolling elements and prevent contamination from entering the bearing through a unused hole.

Options

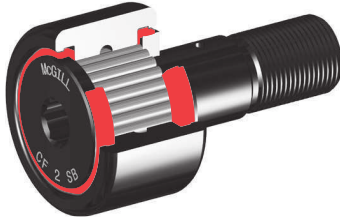


Retainer Type

The retainer (cage) option provides heat-treated steel cage for improved durability and wear resistance. The needle separation produces larger lubrication reservoir and helps achieve higher bearing speeds.. The cages are designed with two rollers per pockets (except 13, 16 and 19mm OD's) to help improve static and dynamic load ratings.

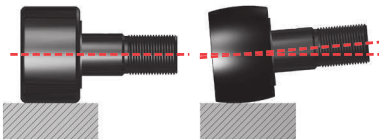


Options



LUBRI-DISC® Seal

The CAMROL standard for seals, the LUBRI-DISC seal not only helps keep contaminants out and lubrication in the bearing, but with an integral back plate to separate the metal to metal contact between the outer ring and endplate(s) or flange. The back plate feature reduce friction resulting in lower operating temperatures which can extend grease life and allowing for higher operating speeds. Our seal also includes vents to help prevent seal blowout during relubrication. The LUBRI-DISC seal option has a good balance of sealing and low drag operation essential to a precision cam follower suited for most industrial applications.



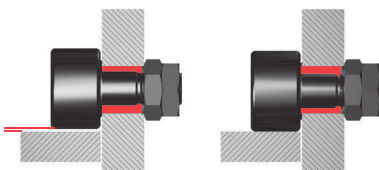
Crowned Outside Diameter (OD)

A crown on the OD of a cam follower bearing can help increase bearing life versus a standard cylindrical cam follower. The crown achieves this performance by helping to distribute the stress on the outer ring and rolling elements resulting from misalignment due to mounting inaccuracy or stud deflection. The crown may also help reduce outer skidding in turntable or rotary applications. Not all applications may see the benefit of a crowned OD, consult Application Engineering for guidance for your application.



Hex Hole (Broached)

The hex hole can aid in the installation and removal of stud type cam followers by a more positive hold on the cam follower stud versus a standard screw driver slot. The hex feature is identified with a "B" since it is produced using a broach process. Bearing relubrication from flange end must be considered for sizes under 3".



Eccentric Stud

Eccentric stud option provides a means of adjusting the radial position of the bearing, which can improve the load sharing of inline bearing combinations. Cam follower load sharing helps reduce operation costs by reducing premature failures due to overloaded bearings, the need of precise mounting hole location tolerances and providing ability to realign bearing due to track wear. Eccentric bushing is press fit on stud and unhardened to permit dowel or setscrew for permanent locking.

Additional Options



BHT

Broached (Hex) hole at threaded end of cam follower stud.



THT

Threaded axial lubrication hole at threaded end of cam follower stud.



THF

Threaded axial lubrication hole at flanged end of cam follower stud. Available with all screw driver slot cam followers or broached cam followers over 3".



THB

Threaded axial oil hole on both ends of cam follower stud. Available with all screw driver slot cam followers or broached cam followers over 3".



ALG

Annular lubrication groove at cam follower stem radial lubrication hole.

Custom Capabilities

- *Customer specified factory grease fill*
- *Grease fitting installed*
- *Stud or thread length modifications*
- *Roller diameter variations or tolerances*
- *Cam followers grouped or matched diameter tolerance / run out sets*
- *Custom engineered to order designs*

McGILL® Metric CAMROL Bearings



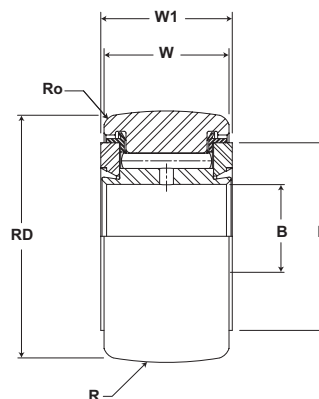
Basic Construction Type: Yoke Type Crowned / Cylindrical Outside Diameter

Rolling Elements: Full Complement / Retained (Caged) Needle Roller

Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: Lithium Soap Grease NLGI #2



Metric Cam Yoke Roller with Crowned O.D.

MCYR

Part No.		RD		W		B		W1		R	Track Roller Dynamic Rating	Track Roller Static Rating
W/O Seals	With LUBRI-DISC Seals	Roller Diameter		Roller Width		Bore		Overall Width		Cylindrical	N/lb	N/lb
		mm inch		mm inch		mm inch		mm inch		Suffix MCYR-X		
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	Radius (Ref)		
MCYR 5	MCYR 5 S	16.000 .6299	0/-0.05 +0/-0.0002	11.00 .433	+0/- .12 +0/- .005	5.000 .1969	+0/- .008 +0/- .0003	12.000 .4724	+0/- .18 +0/- .007	500 20	5,790 1,302	6,900 1,551
MCYR 5 X	MCYR 5 SX		+0/- .008 +0/- .0003							Cylindrical		
MCYRR 5	MCYRR 5 S		0/-0.05 +0/-0.0002							500 20	3,430 771	3,380 760
MCYRR 5 X	MCYRR 5 SX		+0/- .008 +0/- .0003							Cylindrical		
MCYR 6	MCYR 6 S	19.000 .7480	0/-0.05 +0/-0.0002	11.00 .433	+0/- .12 +0/- .009	6.000 .2362	+0/- .008 +0/- .0003	12.000 .4724	+0/- .18 +0/- .007	500 20	6,670 1,500	8,760 1,969
MCYR 6 X	MCYR 6 SX		+0/- .009 +0/- .0004							Cylindrical		
MCYRR 6	MCYRR 6 S		0/-0.05 +0/-0.0002							500 20	3,730 839	4,090 920
MCYRR 6 X	MCYRR 6 SX		+0/- .009 +0/- .0004							Cylindrical		
MCYR 8	MCYR 8 S	24.000 0.9449	0/-0.05 +0/-0.0002	14.00 .551	+0/- .12 +0/- .013	8.000 .3150	+0/- .008 +0/- .0003	15.000 .5906	+0/- .18 +0/- .007	500 20	9,610 2,161	12,600 2,833
MCYR 8 X	MCYR 8 SX		+0/- .009 +0/- .0004							Cylindrical		
MCYRR 8	MCYRR 8 S		0/-0.05 +0/-0.0002							500 20	5,690 1,279	6,450 1,450
MCYRR 8 X	MCYRR 8 SX		+0/- .009 +0/- .0004							Cylindrical		
MCYR 10	MCYR 10 S	30.000 1.1811	0/-0.05 +0/-0.0002	14.00 .551	+0/- .12 +0/- .017	10.000 .3937	+0/- .008 +0/- .0003	15.000 .5906	+0/- .18 +0/- .007	500 20	11,080 2,491	15,300 3,440
MCYR 10 X	MCYR 10 SX		+0/- .009 +0/- .0004							Cylindrical		
MCYRR 10	MCYRR 10 S		0/-0.05 +0/-0.0002							500 20	6,860 1,542	8,050 1,810
MCYRR 10 X	MCYRR 10 SX		+0/- .009 +0/- .0004							Cylindrical		
MCYR 12	MCYR 12 S	32.000 1.2598	0/-0.05 +0/-0.0002	14.00 .551	+0/- .12 +0/- .021	12.000 .4724	+0/- .008 +0/- .0003	15.000 .5906	+0/- .18 +0/- .007	500 20	12,060 2,711	17,400 3,912
MCYR 12 X	MCYR 12 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYRR 12	MCYRR 12 S		0/-0.05 +0/-0.0002							500 20	1,260 283	9,120 2,050
MCYRR 12 X	MCYRR 12 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYR 15	MCYR 15 S	35.000 1.3780	0/-0.05 +0/-0.0002	18.00 .709	+0/- .12 +0/- .025	15.000 .5906	+0/- .008 +0/- .0003	19.000 .7480	+0/- .21 +0/- .008	500 20	16,970 3,815	28,500 6,407
MCYR 15 X	MCYR 15 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYRR 15	MCYRR 15 S		0/-0.05 +0/-0.0002							500 20	10,890 2,448	15,900 3,575
MCYRR 15 X	MCYRR 15 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYR 17	MCYR 17 S	40.000 1.5748	0/-0.05 +0/-0.0002	20.00 .787	+0/- .12 +0/- .029	17.000 .6693	+0/- .008 +0/- .0003	21.000 .8268	+0/- .21 +0/- .008	500 20	19,420 4,366	32,200 7,239
MCYR 17 X	MCYR 17 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYRR 17	MCYRR 17 S		0/-0.05 +0/-0.0002							500 20	13,340 2,999	19,700 4,429
MCYRR 17 X	MCYRR 17 SX		+0/- .011 +0/- .0004							Cylindrical		

1. Standard bearing has a crowned roller outside diameter. For straight cylindrical outside roller diameter, add suffix "X". Example - MCFR-35-X or MCF-35-SX.

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

3. Static load rating is based on stud strength or on internal rolling element load distribution stresses.

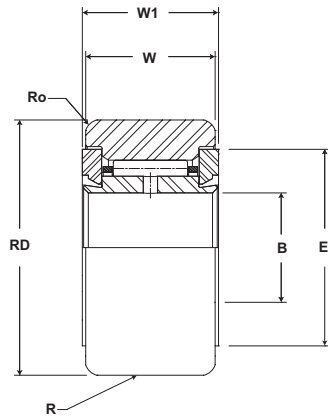
Inch dimensions for reference only.

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

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

Metric CAMROL Bearings **McGILL®**

Cam Follower Bearings



Metric Cam Yoke Roller
with Cylindrical O.D.

MCYR

Part No.		E	Ro	LF	LFT	TF	TFT	Limiting Speed	WT
W/O Seals	With LUBRI-DISC Seals	Min. Clamping Diameter	Outer Corner	Recommended Shaft Diameters					Bearing Weight
				Loose Fit (for light loads) g6		Light Fit (for medium loads) h6			
		mm inch	mm inch	mm inch	mm inch	RPM	kg lb		
(Ref)	(Ref)	Nom.	Tol.	Nom.	Tol.	RPM	kg lb		
MCYR 5	MCYR 5 S	11 .4	.30 .012	4.996 .1967	+0/- .008 +0/- .0003	5.000 .1968	+0/- .0 +0/- .00	13,000	.01 .02
MCYR 5 X	MCYR 5 SX								
MCYRR 5	MCYRR 5 S								
MCYRR 5 X	MCYRR 5 SX							19,500	
MCYR 6	MCYR 6 S	13 .5	.30 .012	5.996 .2361	+0/- .008 +0/- .0003	6.000 .2362	+0/- .0 +0/- .00	10,500	.02 .04
MCYR 6 X	MCYR 6 SX								
MCYRR 6	MCYRR 6 S								
MCYRR 6 X	MCYRR 6 SX							15,500	
MCYR 8	MCYR 8 S	16 .6	.50 .020	7.995 .3148	+0/- .009 +0/- .0004	8.000 .3149	+0/- .0 +0/- .00	8,400	.04 .09
MCYR 8 X	MCYR 8 SX								
MCYRR 8	MCYRR 8 S								
MCYRR 8 X	MCYRR 8 SX							12,500	
MCYR 10	MCYR 10 S	19 .7	1.00 .039	9.995 .3935	+0/- .009 +0/- .0004	10.000 .3937	+0/- .0 +0/- .00	6,400	.06 .13
MCYR 10 X	MCYR 10 SX								
MCYRR 10	MCYRR 10 S								
MCYRR 10 X	MCYRR 10 SX							9,600	
MCYR 12	MCYR 12 S	21 .8	1.00 .039	11.994 .4722	+0/- .011 +0/- .0004	12.000 .4724	+0/- .0 +0/- .00	6,400	.07 .15
MCYR 12 X	MCYR 12 SX								
MCYRR 12	MCYRR 12 S								
MCYRR 12 X	MCYRR 12 SX							9,600	
MCYR 15	MCYR 15 S	24 0.9	1.00 .039	14.994 .5903	+0/- .011 +0/- .0004	15.000 .5905	+0/- .0 +0/- .00	4,200	.10 .22
MCYR 15 X	MCYR 15 SX								
MCYRR 15	MCYRR 15 S								
MCYRR 15 X	MCYRR 15 SX							6,300	
MCYR 17	MCYR 17 S	27 1.1	1.50 .059	16.994 .6691	+0/- .011 +0/- .0004	17.000 .6692	+0/- .0 +0/- .00	3,300	.15 .33
MCYR 17 X	MCYR 17 SX								
MCYRR 17	MCYRR 17 S								
MCYRR 17 X	MCYRR 17 SX							5,000	

For a tight fit and heavy loads, us ISO tolerance J6.

McGILL® Metric CAMROL Bearings



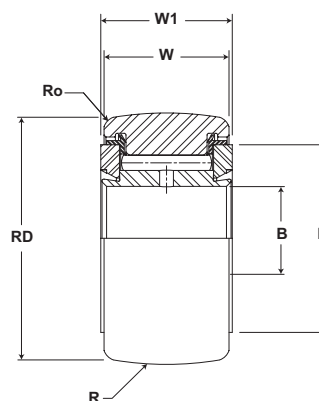
Basic Construction Type: Yoke Type Crowned / Cylindrical Outside Diameter

Rolling Elements: Full Complement / Retained (Caged) Needle Roller

Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: Lithium Soap Grease NLGI #2



Metric Cam Yoke Roller with Crowned O.D.

MCYR

Part No.		RD		W		B		W1		R	Track Roller Dynamic Rating	Track Roller Static Rating
W/O Seals	With LUBRI-DISC Seals	Roller Diameter		Roller Width		Bore		Overall Width		Cylindrical Suffix MCYR-X	N/lb	N/lb
		mm inch		mm inch		mm inch		mm inch		mm inch Radius (Ref)		
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)		
MCYR 20	MCYR 20 S	47.000 1.8504	0/-0.05 +0/-0.0002	24.00 .945	+0/- .12 +0/- .033	20.000 .7874	+0/- .010 +0/- .0004	25.000 .9843	+0/- .21 +0/- .008	500 20	25,690 5,776	48,000 10,791
MCYR 20 X	MCYR 20 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYRR 20	MCYRR 20 S		0/-0.05 +0/-0.0002							500 20	17,750 3,991	29,800 6,700
MCYRR 20 X	MCYRR 20 SX		+0/- .011 +0/- .0004							Cylindrical		
MCYR 25	MCYR 25 S	52.000 2.0472	0/-0.05 +0/-0.0002	24.00 .945	+0/- .12 +0/- .037	25.000 .9843	+0/- .010 +0/- .0004	25.000 .9843	+0/- .21 +0/- .008	500 20	28,440 6,394	58,700 13,197
MCYR 25 X	MCYR 25 SX		+0/- .013 +0/- .0005							Cylindrical		
MCYRR 25	MCYRR 25 S		0/-0.05 +0/-0.0002							500 20	19,120 4,299	34,900 7,846
MCYRR 25 X	MCYRR 25 SX		+0/- .013 +0/- .0005							Cylindrical		
MCYR 30	MCYR 30 S	62.000 2.4409	0/-0.05 +0/-0.0002	29.00 1.142	+0/- .12 +0/- .041	30.000 1.1811	+0/- .010 +0/- .0004	29.000 1.1417	+0/- .21 +0/- .008	500 20	41,480 9,326	89,000 20,009
MCYR 30 X	MCYR 30 SX		+0/- .013 +0/- .0005							Cylindrical		
MCYRR 30	MCYRR 30 S		0/-0.05 +0/-0.0002							500 20	28,340 6,371	54,300 12,208
MCYRR 30 X	MCYRR 30 SX		+0/- .013 +0/- .0005							Cylindrical		
MCYR 35	MCYR 35 S	72.000 2.8346	0/-0.05 +0/-0.0002	29.00 1.142	+0/- .12 +0/- .045	35.000 1.3780	+0/- .012 +0/- .0005	29.000 1.1417	+0/- .21 +0/- .008	500 20	47,370 10,650	10,000 2,248
MCYR 35 X	MCYR 35 SX		+0/- .013 +0/- .0005							Cylindrical		
MCYRR 35	MCYRR 35 S		0/-0.05 +0/-0.0002							500 20	32,460 7,298	60,900 13,692
MCYRR 35 X	MCYRR 35 SX		+0/- .013 +0/- .0005							Cylindrical		
MCYR 40	MCYR 40 S	80.000 3.1496	0/-0.05 +0/-0.0002	35.00 1.378	+0/- .12 +0/- .049	40.000 1.5748	+0/- .012 +0/- .0005	32.000 1.2598	+0/- .25 +0/- .010	500 20	58,350 13,118	123,000 27,653
MCYR 40 X	MCYR 40 SX		+0/- .015 +0/- .0006							Cylindrical		
MCYRR 40	MCYRR 40 S		0/-0.05 +0/-0.0002							500 20	41,480 9,326	78,700 17,693
MCYRR 40 X	MCYRR 40 SX		+0/- .015 +0/- .0006							Cylindrical		
MCYR 45	MCYR 45 S	85.000 3.3465	0/-0.05 +0/-0.0002	35.00 1.378	+0/- .12 +0/- .053	45.000 1.7717	+0/- .012 +0/- .0005	32.000 1.2598	+0/- .25 +0/- .010	500 20	61,490 13,824	136,000 30,576
MCYR 45 X	MCYR 45 SX		+0/- .015 +0/- .0006							Cylindrical		
MCYRR 45	MCYRR 45 S		0/-0.05 +0/-0.0002							500 20	42,760 9,613	84,100 18,907
MCYRR 45 X	MCYRR 45 SX		+0/- .015 +0/- .0006							Cylindrical		
MCYR 50	MCYR 50 S	90.000 3.5433	0/-0.05 +0/-0.0002	35.00 1.378	+0/- .12 +0/- .057	50.000 1.9685	+0/- .012 +0/- .0005	32.000 1.2598	+0/- .25 +0/- .010	500 20	64,330 14,463	148,000 33,273
MCYR 50 X	MCYR 50 SX		+0/- .015 +0/- .0006							Cylindrical		
MCYRR 50	MCYRR 50 S		0/-0.05 +0/-0.0002							500 20	45,600 10,252	94,800 21,313
MCYRR 50 X	MCYRR 50 SX		+0/- .015 +0/- .0006							Cylindrical		

1. Standard bearing has a crowned roller outside diameter. For straight cylindrical outside roller diameter, add suffix "X". Example - MCFR-35-X or MCF-35-SX.

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

3. Static load rating is based on stud strength or on internal rolling element load distribution stresses.

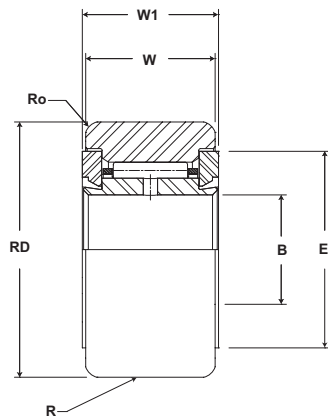
Inch dimensions for reference only.

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

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

Metric CAMROL Bearings **McGILL**

Cam Follower Bearings



Metric Cam Yoke Roller
with Cylindrical O.D.

MCYR

Part No.		E	Ro	LF	LFT	TF	TFT	Limiting Speed	WT
W/O Seals	With LUBRI-DISC Seals	Min. Clamping Diameter	Outer Corner	Recommended Shaft Diameters					Bearing Weight
				Loose Fit (for light loads) g6		Light Fit (for medium loads) h6			
		mm inch	mm inch	mm inch	mm inch	RPM	kg lb		
(Ref)	(Ref)	Nom.	Tol.	Nom.	Tol.	RPM	kg lb		
MCYR 20	MCYR 20 S	30 1.2	1.50 .059	19.993 .7871	+0/- .013 +0/- .0005	20.000 .7874	+0/- .0 +0/- .00	2,600	.25 .55
MCYR 20 X	MCYR 20 SX								
MCYRR 20	MCYRR 20 S								
MCYRR 20 X	MCYRR 20 SX								
MCYR 25	MCYR 25 S	36 1.4	1.50 .059	24.993 .9840	+0/- .013 +0/- .0005	25.000 .9842	+0/- .0 +0/- .00	2,600	.29 .64
MCYR 25 X	MCYR 25 SX								
MCYRR 25	MCYRR 25 S								
MCYRR 25 X	MCYRR 25 SX								
MCYR 30	MCYR 30 S	44 1.7	2.00 .079	29.993 1.1808	+0/- .013 +0/- .0005	30.000 1.1811	+0/- .0 +0/- .00	2,100	.47 1.04
MCYR 30 X	MCYR 30 SX								
MCYRR 30	MCYRR 30 S								
MCYRR 30 X	MCYRR 30 SX								
MCYR 35	MCYR 35 S	52 2.0	2.00 .079	34.991 1.3776	+0/- .016 +0/- .0006	35.000 1.3779	+0/- .0 +0/- .00	2,100	.64 1.41
MCYR 35 X	MCYR 35 SX								
MCYRR 35	MCYRR 35 S								
MCYRR 35 X	MCYRR 35 SX								
MCYR 40	MCYR 40 S	58 2.3	2.00 .079	39.991 1.5744	+0/- .016 +0/- .0006	40.000 1.5748	+0/- .0 +0/- .00	1,500	.84 1.84
MCYR 40 X	MCYR 40 SX								
MCYRR 40	MCYRR 40 S								
MCYRR 40 X	MCYRR 40 SX								
MCYR 45	MCYR 45 S	63 2.5	2.00 .079	44.991 1.7713	+0/- .016 +0/- .0006	45.000 1.7716	+0/- .0 +0/- .00	1,500	.90 1.99
MCYR 45 X	MCYR 45 SX								
MCYRR 45	MCYRR 45 S								
MCYRR 45 X	MCYRR 45 SX								
MCYR 50	MCYR 50 S	68 2.7	2.00 .079	45.991 1.8107	+0/- .016 +0/- .0006	50.000 1.9685	+0/- .0 +0/- .00	1,500	.97 2.14
MCYR 50 X	MCYR 50 SX								
MCYRR 50	MCYRR 50 S								
MCYRR 50 X	MCYRR 50 SX								

For a tight fit and heavy loads, us ISO tolerance J6.