





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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Cam Follower Bearings



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				\$\$\$	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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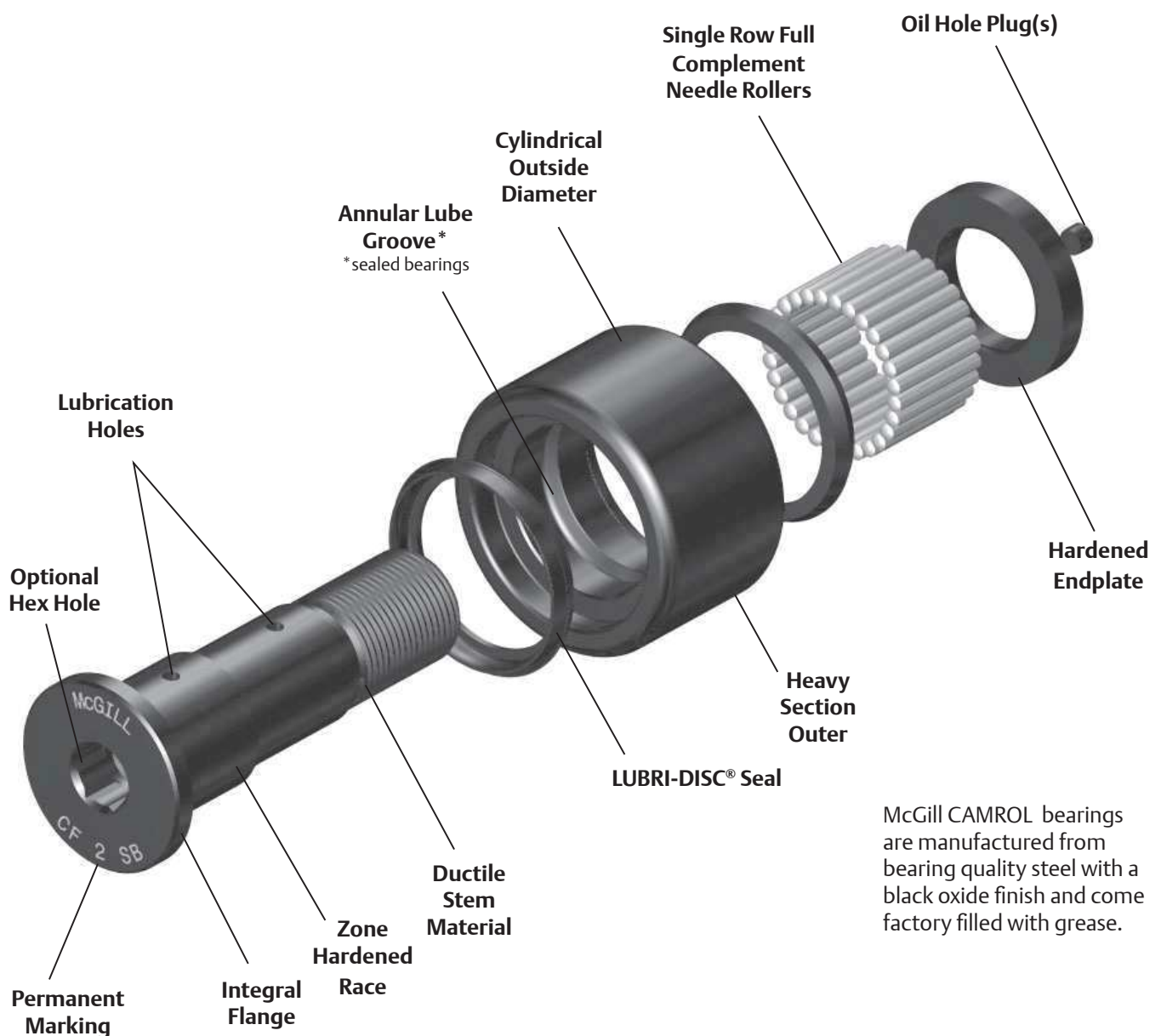
Poor ← → **Best**

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

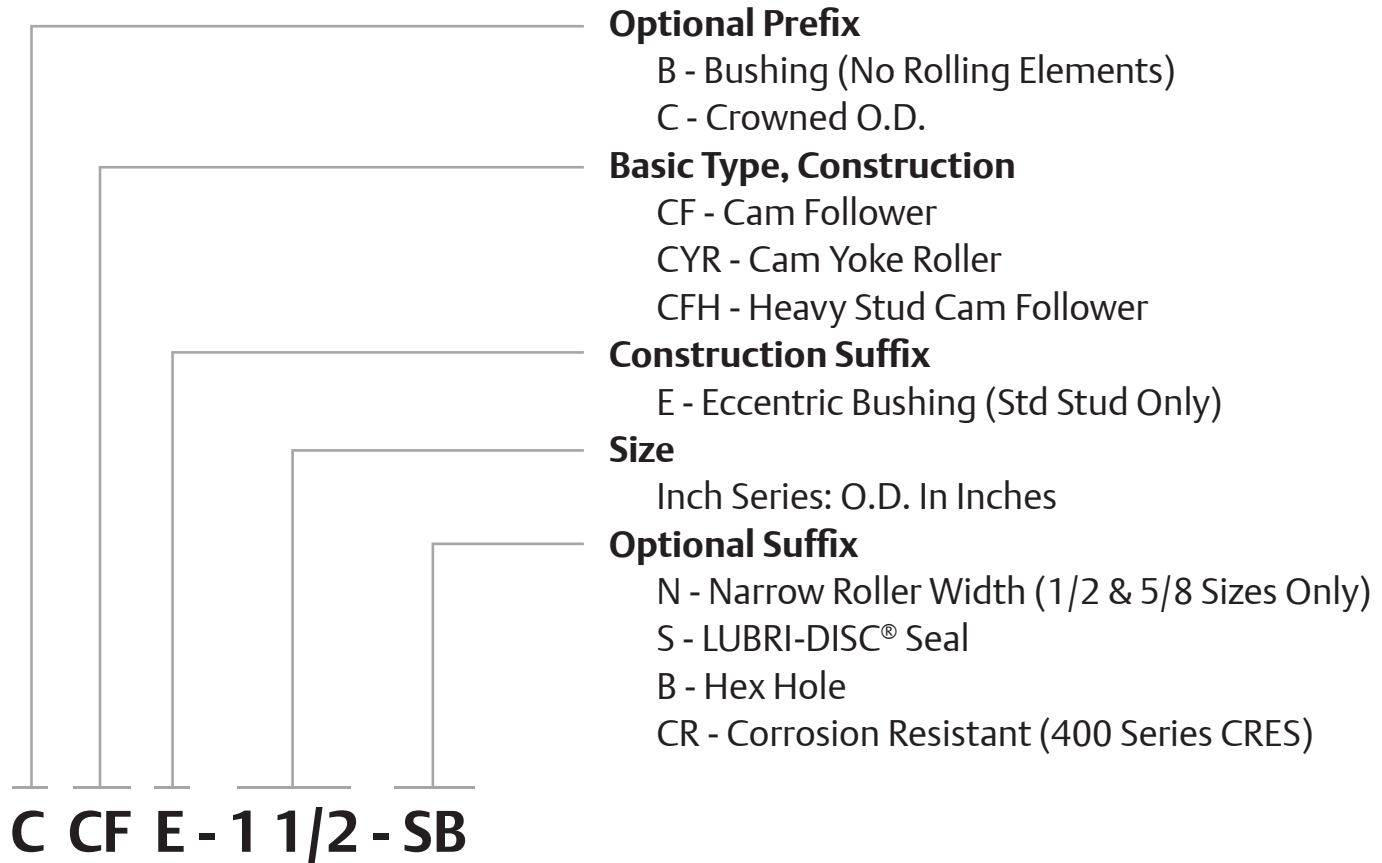
McGILL[®] Inch Cam Follower Bearings

McGill Inch Cam Followers

McGill CAMROL bearings are full complement needle bearings feature black oxide treated bearing steel, available in two basic mounting styles for use in 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 relubrication. In addition to the seal option these bearings are available with several dimensional choices and combinations to provide a specific solution for the application. Within the following section you can learn more about these features and how they can be applied to your application.

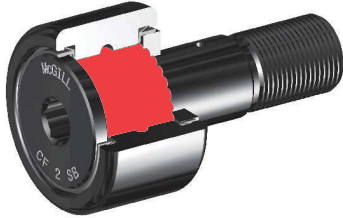


Cam Follower Inch Nomenclature



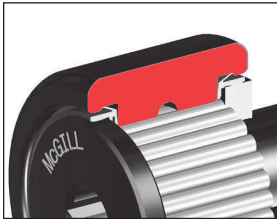
MCGILL® *Inch Cam Follower Bearings*

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.



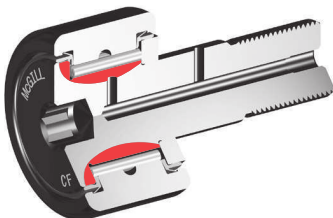
Heavy Section Outer

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.

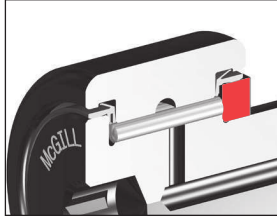


Zone Hardened Raceways

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

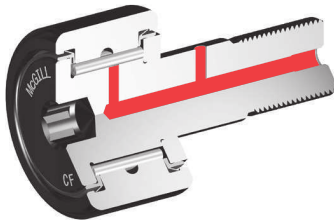


Hardened Endplate

Similar to the flange, the endplate must provide a seal surface for the LUBRI-DISC seal and resist wear from incidental contact with the outer or rollers. The hardened and ground endplate provides a sealing surface with LUBRI-DISC® seal option.

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

Depending on mounting option, McGill stud type CAMROL bearings may include a lubrication hole to accept a standard drive fitting or an included oil hole plug. The oil hole plug is recommended for closing unused holes to help protect against bearing contamination or lubrication loss.



Yoke Roller Lubrication Hole with Annular groove

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 axial lubrication path to supply bearing. An annular groove in the inner ring bore helps direct lubricant to the hole, making alignment of the shaft and the inner ring holes less critical.



Oil Hole Plug (s)

All McGill stud type Cam followers include 1-2 (depending on # of holes) oil hole plugs to help provide proper lubrication path to the rolling elements and prevent contamination from entering the bearing through an unused oil hole.

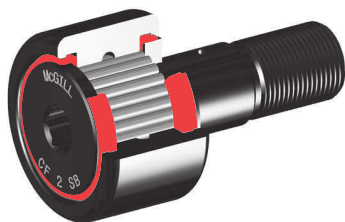
McGILL® Inch Cam Follower Bearings

Options



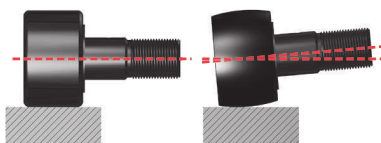
Black Oxide Finish

Bearings have a black oxide finish on all external surfaces.



LUBRI-DISC® Seal

The CAMROL standard for seals, the LUBRI-DISC seal helps keep contaminants out and lubrication in the bearing, 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 reduces friction resulting in lower operating temperatures which can extend grease life and allowing for higher operating speeds. The seal also includes vents to help prevent seal blowout during relubrication, while the outer raceway is machined with a reservoir for additional lubricant capacity. The LUBRI-DISC seal option has a good balance of sealing, lubricant capacity, 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 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 also helps 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.



Heavy Stud Diameter

The increase stem diameter of heavy stud cam followers increases static load capacity of the bearing due to the larger stud diameter. The increase in diameter reduces the amount of deflection that can occur when cam followers are radial loaded. The resultant increase allows a maximum recommended loading of 50% BDR.

* On Heavy-Stud Type Bearings, CFH inch series only

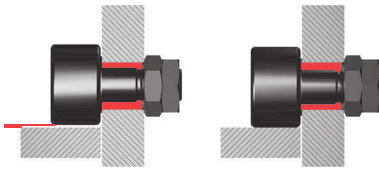


Options continued



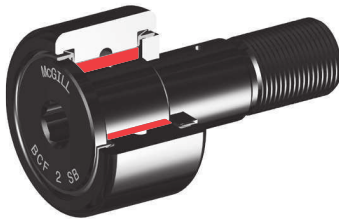
Hex Hole (Broached)

The hex hole can aid in the installation and removal of stud type cam followers by increasing the holding power over 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.



Bushing Type

Non-Metallic bushing provides load support with a sliding motion that reduces the need for bearing lubrication for non-food applications where relubrication is not convenient or grease contamination in the process is not acceptable. Max allowable continuous operating temperature up to 200°F. Bushing CAMROL bearings are intended to be used in the self lubricated mode. However, continuous feed oil lubrication can be used to provide reduced wear rates. Grease lubrication should not be used.



Corrosion Resistance

McGill CAMROL Cam Followers are available in 400 series corrosion resistant 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. Please see page K-3 for more information and availability.

McGILL® Inch Cam Follower Bearings

Additional Options



BHT

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 stud 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® Inch Cam Follower Bearings



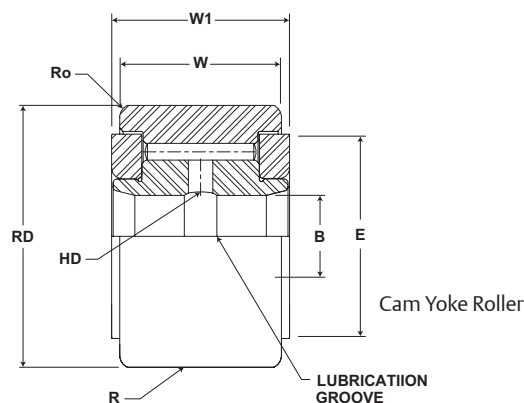
Basic Construction Type: Yoke Type Crowned/
Cylindrical Outside Diameter

Rolling Elements: Full Complement/Needle
Roller

Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: Lithium Soap Grease NLGI #2



CYR

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 Diameter		Overall Width		Crown Prefix CCYR-XX		
		Inch mm	Inch mm	Inch mm	Inch mm	Inch mm	Inch mm	Inch mm	Inch mm	Inch mm Radius		
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.		lb/N	lb/N
CYR 3/4	CYR 3/4 S	.750 19.05	+0/- .001 +0/- .03	.500 12.70	+0/- .005 +0/- .13	.250 6.35	+ .0002/- .0004 + .0005/- .0010	.5625 14.28	+ .005/- .01 +0.13/-0.25	Cylindrical	1,660 7,384	4,130 18,370
	CCYR 3/4 S									10 254		
CYR 7/8	CYR 7/8 S	.875 22.23	+0/- .001 +0/- .03	.500 12.70	+0/- .005 +0/- .13	.250 6.35	+ .0002/- .0004 + .0005/- .0010	.5625 14.28	+ .005/- .01 +0.13/-0.25	Cylindrical	1,660 7,384	4,130 18,370
	CCYR 7/8 S									10 254		
CYR 1	CYR 1 S	1.000 25.40	+0/- .001 +0/- .03	.625 15.88	+0/- .005 +0/- .13	.3125 7.94	+ .0002/- .0004 + .0005/- .0010	.6875 17.46	+ .005/- .01 +0.13/-0.25	Cylindrical	2,225 9,897	6,120 27,222
	CCYR 1 S									12 305		
CYR 1 1/8	CYR 1 1/8 S	1.125 28.58	+0/- .001 +0/- .03	.625 15.88	+0/- .005 +0/- .13	.3125 7.94	+ .0002/- .0004 + .0005/- .0010	.6875 17.46	+ .005/- .01 +0.13/-0.25	Cylindrical	2,225 9,897	6,120 27,222
	CCYR 1 1/8 S									12 305		
CYR 1 1/4	CYR 1 1/4 S	1.250 31.75	+0/- .001 +0/- .03	.750 19.05	+0/- .005 +0/- .13	.375 9.53	+ .0002/- .0004 + .0005/- .0010	.8125 20.64	+ .005/- .01 +0.13/-0.25	Cylindrical	3,930 17,481	8,500 37,808
	CCYR 1 1/4 S									14 356		
CYR 1 3/8	CYR 1 3/8 S	1.375 34.93	+0/- .001 +0/- .03	.750 19.05	+0/- .005 +0/- .13	.375 9.53	+ .0002/- .0004 + .0005/- .0010	.8125 20.64	+ .005/- .01 +0.13/-0.25	Cylindrical	3,930 17,481	8,500 37,808
	CCYR 1 3/8 S									14 356		
CYR 1 1/2	CYR 1 1/2 S	1.500 38.10	+0/- .001 +0/- .03	.875 22.23	+0/- .005 +0/- .13	.4375 11.11	+ .0002/- .0004 + .0005/- .0010	.9375 23.81	+ .005/- .01 +0.13/-0.25	Cylindrical	4,840 21,528	11,280 50,173
	CCYR 1 1/2 S									20 508		
CYR 1 5/8	CYR 1 5/8 S	1.625 41.28	+0/- .001 +0/- .03	.875 22.23	+0/- .005 +0/- .13	.4375 11.11	+ .0002/- .0004 + .0005/- .0010	.9375 23.81	+ .005/- .01 +0.13/-0.25	Cylindrical	4,840 21,528	11,280 50,173
	CCYR 1 5/8 S									20 508		
CYR 1 3/4	CYR 1 3/4 S	1.750 44.45	+0/- .001 +0/- .03	1.000 25.40	+0/- .005 +0/- .13	.500 12.70	+ .0002/- .0004 + .0005/- .0010	1.0625 26.98	+ .005/- .01 +0.13/-0.25	Cylindrical	6,385 28,400	115,840 515,256
	CCYR 1 3/4 S									20 508		

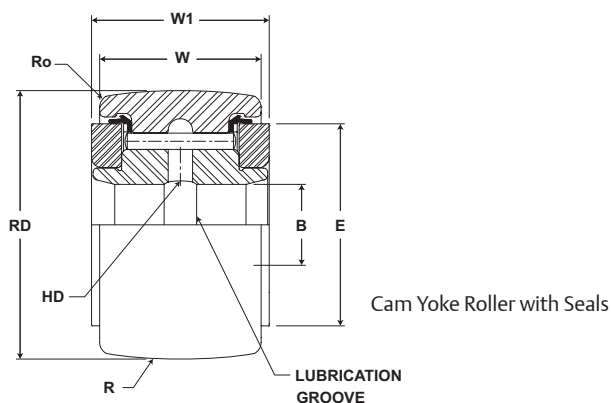
Metric dimensions for reference only.

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

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

Inch Cam Follower Bearings **McGILL**

Cam Follower Bearings



CYR

Part No.		HD	E	Ro	Recommended Shaft Diameters						Limiting Speed	WT
W/O Seals	With LUBRI-DISC Seals	Hole Diameter	Min. Clamping Diameter	Outer Corner								Push Fit
		inch mm			inch mm		inch mm		inch mm		RPM	lb kg
		(Ref)	(Ref)	(Ref)	Nom	Tol	Nom	Tol	Nom	Tol		
CYR 3/4	CYR 3/4 S	.09 2.4	.61 15.5	.02 .4	.2495 6.337	±.0002 ±.005	.2501 6.353	±.0002 ±.005	.2503 6.357	±.0002 ±.005	6,400	.06 .03
	CCYR 3/4 S			N/A								
CYR 7/8	CYR 7/8 S	.09 2.4	.61 15.5	.02 .4	.2495 6.337	±.0002 ±.005	.2501 6.353	±.0002 ±.005	.2503 6.357	±.0002 ±.005	5,400	.08 .04
	CCYR 7/8 S			N/A								
CYR 1	CYR 1 S	.09 2.4	.78 19.8	.03 .8	.3120 7.925	±.0002 ±.005	.3126 7.940	±.0002 ±.005	.3128 7.945	±.0002 ±.005	4,800	.15 .07
	CCYR 1 S			N/A								
CYR 1 1/8	CYR 1 1/8 S	.09 2.4	.78 19.8	.03 .8	.3120 7.925	±.0002 ±.005	.3126 7.940	±.0002 ±.005	.3128 7.945	±.0002 ±.005	3,400	.17 .08
	CCYR 1 1/8 S			N/A								
CYR 1 1/4	CYR 1 1/4 S	.09 2.4	.98 25.0	.03 .8	.3745 9.512	±.0002 ±.005	.3751 9.527	±.0002 ±.005	.3753 9.532	±.0002 ±.005	3,100	.24 .11
	CCYR 1 1/4 S			N/A								
CYR 1 3/8	CYR 1 3/8 S	.09 2.4	.98 25.0	.05 1.2	.3745 9.512	±.0002 ±.005	.3751 9.527	±.0002 ±.005	.3753 9.532	±.0002 ±.005	2,800	.30 .14
	CCYR 1 3/8 S			N/A								
CYR 1 1/2	CYR 1 1/2 S	.09 2.4	1.09 27.8	.06 1.6	.4370 11.100	±.0002 ±.005	.4376 11.115	±.0002 ±.005	.4378 11.120	±.0002 ±.005	2,500	.41 .19
	CCYR 1 1/2 S			N/A								
CYR 1 5/8	CYR 1 5/8 S	.09 2.4	1.09 27.8	.06 1.6	.4370 11.100	±.0002 ±.005	.4376 11.115	±.0002 ±.005	.4378 11.120	±.0002 ±.005	2,350	.50 .23
	CCYR 1 5/8 S			N/A								
CYR 1 3/4	CYR 1 3/4 S	.09 2.4	1.25 31.8	.06 1.6	.4995 12.687	±.0002 ±.005	.5001 12.703	±.0002 ±.005	.5005 12.713	±.0002 ±.005	2,200	.64 .29
	CCYR 1 3/4 S			N/A								

McGILL® Inch Cam Follower Bearings



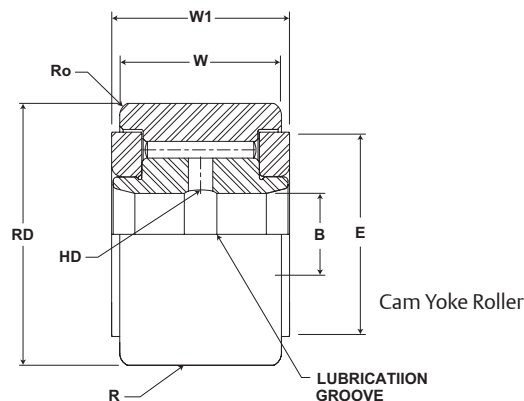
Basic Construction Type: Yoke Type Crowned/
Cylindrical Outside Diameter

Rolling Elements: Full Complement/Needle
Roller

Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: Lithium Soap Grease NLGI #2



CYR

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 Diameter		Overall Width		Crown Prefix CCYR-XX		
		Inch mm		Inch mm		Inch mm		Inch mm		Inch mm		
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	Radius	lb/N	lb/N
CYR 1 7/8	CYR 1 7/8 S	1.875 47.63	+0/-0.001 +0/-0.03	1.000 25.40	+0/-0.005 +0/-0.13	.500 12.70	+0.001/-0.0005 +0.003/-0.0013	1.0625 26.98	+0.005/-0.01 +0.13/-0.25	Cylindrical	6,385 28,400	115,840 515,256
	CCYR 1 7/8 S									20 508		
CYR 2	CYR 2 S	2.000 50.80	+0/-0.001 +0/-0.03	1.250 31.75	+0/-0.005 +0/-0.13	.625 15.88	+0.001/-0.0005 +0.003/-0.0013	1.3125 33.34	+0.005/-0.01 +0.13/-0.25	Cylindrical	8,090 35,984	21,140 94,031
	CCYR 2 S									24 610		
CYR 2 1/4	CYR 2 1/4 S	2.250 57.15	+0/-0.001 +0/-0.03	1.250 31.75	+0/-0.005 +0/-0.13	.625 15.88	+0.001/-0.0005 +0.003/-0.0013	1.3125 33.34	+0.005/-0.01 +0.13/-0.25	Cylindrical	8,090 35,984	21,140 94,031
	CCYR 2 1/4 S									24 610		
CYR 2 1/2	CYR 2 1/2 S	2.500 63.50	+0/-0.001 +0/-0.03	1.500 38.10	+0/-0.005 +0/-0.13	.750 19.05	+0.001/-0.0005 +0.003/-0.0013	1.5625 39.69	+0.005/-0.01 +0.13/-0.25	Cylindrical	11,720 52,131	32,900 146,339
	CCYR 2 1/2 S									30 762		
CYR 2 3/4	CYR 2 3/4 S	2.750 69.85	+0/-0.001 +0/-0.03	1.500 38.10	+0/-0.005 +0/-0.13	.750 19.05	+0.001/-0.0005 +0.003/-0.0013	1.5625 39.69	+0.005/-0.01 +0.13/-0.25	Cylindrical	11,720 52,131	32,900 146,339
	CCYR 2 3/4 S									30 762		
CYR 3	CYR 3 S	3.000 76.20	+0/-0.001 +0/-0.03	1.750 44.45	+0/-0.005 +0/-0.13	1.000 25.40	+0.001/-0.0005 +0.003/-0.0013	1.8125 46.04	+0.005/-0.01 +0.13/-0.25	Cylindrical	15,720 69,923	49,820 221,599
	CCYR 3 S									30 762		
CYR 3 1/4	CYR 3 1/4 S	3.250 82.55	+0/-0.001 +0/-0.03	1.750 44.45	+0/-0.005 +0/-0.13	1.000 25.40	+0.001/-0.0005 +0.003/-0.0013	1.8125 46.04	+0.005/-0.01 +0.13/-0.25	Cylindrical	15,720 69,923	49,820 221,599
	CCYR 3 1/4 S									30 762		
CYR 3 1/2	CYR 3 1/2 S	3.500 88.90	+0/-0.001 +0/-0.03	2.000 50.80	+0/-0.005 +0/-0.13	1.125 28.58	+0.001/-0.0005 +0.003/-0.0013	2.0625 52.39	+0.005/-0.01 +0.13/-0.25	Cylindrical	22,800 101,414	63,250 281,336
	CCYR 3 1/2 S									30 762		
CYR 4	CYR 4 S	4.000 101.60	+0/-0.001 +0/-0.03	2.250 57.15	+0/-0.005 +0/-0.13	1.250 31.75	+0.001/-0.0005 +0.003/-0.0013	2.3125 58.74	+0.005/-0.01 +0.13/-0.25	Cylindrical	29,985 133,373	89,540 398,274
	CCYR 4 S									30 762		

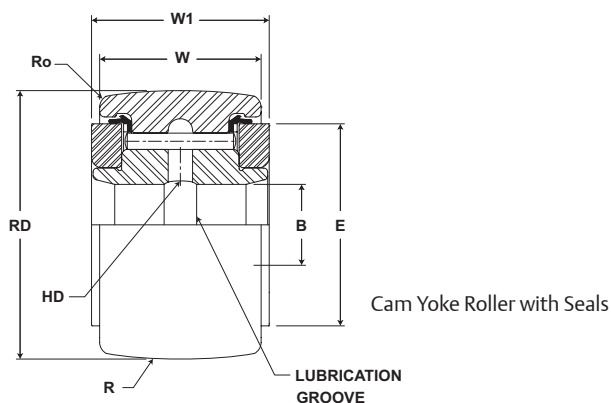
Metric dimensions for reference only.

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Inch Cam Follower Bearings **McGILL**

Cam Follower Bearings



CYR

Part No.		HD	E	Ro	Recommended Shaft Diameters						Limiting Speed	WT
W/O Seals	With LUBRI-DISC Seals	Hole Diameter	Min. Clamping Diameter	Outer Corner								Push Fit
					inch mm			inch mm		inch mm		RPM
		(Ref)	(Ref)	(Ref)	Nom	Tol	Nom	Tol	Nom	Tol		
CYR 1 7/8	CYR 1 7/8 S	.09 2.4	1.25 31.8	.06 1.6	.4995 12.687	±.0002 ±.005	.5001 12.703	±.0002 ±.005	.5005 12.713	±.0002 ±.005	2,000	.80 .36
	CCYR 1 7/8 S			N/A								
CYR 2	CYR 2 S	.13 3.2	1.41 35.7	.09 2.4	.6245 15.862	±.0002 ±.005	.6245 15.862	±.0002 ±.005	.6245 15.862	±.0002 ±.005	1,400	1.05 .48
	CCYR 2 S			N/A								
CYR 2 1/4	CYR 2 1/4 S	.13 3.2	1.41 35.7	.09 2.4	.6245 15.862	±.0002 ±.005	.6251 15.877	±.0002 ±.005	.6255 15.887	±.0002 ±.005	1,300	1.32 .59
	CCYR 2 1/4 S			N/A								
CYR 2 1/2	CYR 2 1/2 S	.13 3.2	1.69 42.9	.09 2.4	.7495 19.037	±.0002 ±.005	.7501 19.053	±.0002 ±.005	.75015 19.063	±.0002 ±.005	1,100	1.80 .82
	CCYR 2 1/2 S			N/A								
CYR 2 3/4	CYR 2 3/4 S	.13 3.2	1.69 42.9	.09 2.4	.7495 19.037	±.0002 ±.005	.7501 19.053	±.0002 ±.005	.75015 19.063	±.0002 ±.005	1,050	2.25 1.02
	CCYR 2 3/4 S			N/A								
CYR 3	CYR 3 S	.13 3.2	2.13 54.0	.13 3.2	.9994 25.385	+.0002/- .0003 +.005/- .008	1.0002 25.405	+.0002/- .0003 +.005/- .008	1.0006 25.415	+.0002/- .0003 +.005/- .008	950	3.10 1.41
	CCYR 3 S			N/A								
CYR 3 1/4	CYR 3 1/4 S	.13 3.2	2.13 54.0	.13 3.2	.9994 25.385	+.0002/- .0003 +.005/- .008	1.0002 25.405	+.0002/- .0003 +.005/- .008	1.0006 25.415	+.0002/- .0003 +.005/- .008	880	3.62 1.64
	CCYR 3 1/4 S			N/A								
CYR 3 1/2	CYR 3 1/2 S	.13 3.2	2.44 61.9	.13 3.2	1.1244 28.560	+.0002/- .0003 +.005/- .008	1.1252 28.580	+.0002/- .0003 +.005/- .008	1.1256 28.590	+.0002/- .0003 +.005/- .008	820	4.95 2.25
	CCYR 3 1/2 S			N/A								
CYR 4	CYR 4 S	.13 3.2	2.80 71.0	.13 3.2	1.2494 31.735	+.0002/- .0003 +.005/- .008	1.2502 31.755	+.0002/- .0003 +.005/- .008	1.2506 31.765	+.0002/- .0003 +.005/- .008	700	7.05 3.19
	CCYR 4 S			N/A								

McGILL® Inch Cam Follower Bearings



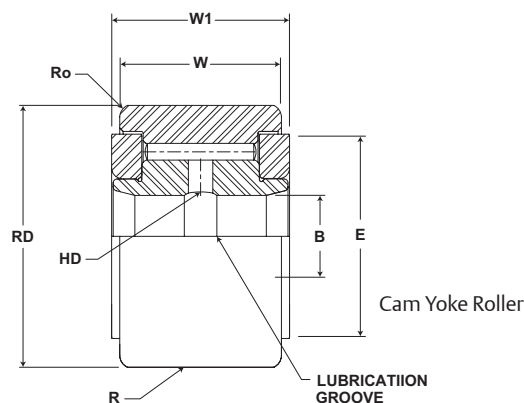
Basic Construction Type: Yoke Type Crowned/
Cylindrical Outside Diameter

Rolling Elements: Full Complement/Needle
Roller

Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: Lithium Soap Grease NLGI #2



CYR

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 Diameter		Overall Width		Crown Prefix CCYR-XX		
		Inch mm		Inch mm		Inch mm		Inch mm		Inch mm Radius		
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.		lb/N	lb/N
-	CYR 5 S	5.000	+0/-0.001	2.750	+0/-0.005	1.750	+0.001/-0.0005	2.875	+0.005/-0.01	Cylindrical	46,575 207,166	135,900 604,483
	CCYR 5 S	127.00	+0/-0.03	69.85	+0/-0.13	44.45	+0.003/-0.0013	73.03	+0.13/-0.25	48 1,219		
-	CYR 6 S	6.000	+0/-0.001	3.250	+0/-0.005	2.250	+0.001/-0.0005	3.375	+0.005/-0.01	Cylindrical	60,000 266,880	160,900 715,683
	CCYR 6 S	152.40	+0/-0.03	82.55	+0/-0.13	57.15	+0.003/-0.0013	85.725	+0.13/-0.25	56 1,422		
-	CYR 7 S	7.000	+0/-0.001	3.750	+0/-0.005	2.750	+0.001/-0.0005	3.875	+0.005/-0.01	Cylindrical	75,380 335,290	213,860 951,249
	CCYR 7 S	177.80	+0/-0.03	95.25	+0/-0.13	69.85	+0.003/-0.0013	98.43	+0.13/-0.25	60 1,524		
-	CYR 8 S	8.000	*	4.250	*	3.255	+0.001/-0.025	4.50	+0.005/-0.01	Cylindrical	92,200 410,106	288,200 1,281,914
	CCYR 8 S	203.20		107.95		82.68	+0.025/-0	114.3	+0.13/-0.25	40 1,016		
-	CYR 9 S	9.000	*	4.750	*	3.755	+0.001/-0.025	5.00	+0.005/-0.01	Cylindrical	113,260 503,780	366,850 1,631,749
	CCYR 9 S	228.60		120.65		95.38	+0.025/-0	127.0	+0.13/-0.25	40 1,016		
-	CYR 10 S	10.000	*	5.250	*	4.255	+0.001/-0.025	5.50	+0.005/-0.01	Cylindrical	131,545 585,112	431,130 1,917,666
	CCYR 10 S	254.00		133.35		108.08	+0.025/-0	139.7	+0.13/-0.25	40 1,016		

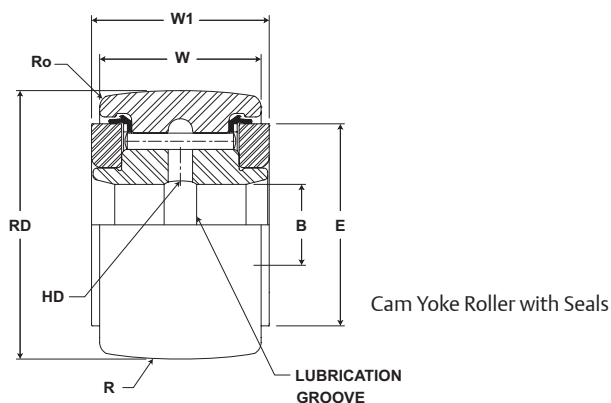
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Cam Follower Bearings



CYR

Part No.		HD	E	Ro	Recommended Shaft Diameters						Limiting Speed	WT
W/O Seals	With LUBRI-DISC Seals	Hole Diameter	Min. Clamping Diameter	Outer Corner								Push Fit
					inch mm			inch mm		inch mm		RPM
		(Ref)	(Ref)	(Ref)	Nom	Tol	Nom	Tol	Nom	Tol		
-	CYR 5 S	.19 4.8	3.56 90.5	.13 3.2	1.7494 44.435	+0.0002/-0.0003 +0.005/-0.008	1.7502 44.455	+0.0002/-0.0003 +0.005/-0.008	1.7506 44.465	+0.0002/-0.0003 +0.005/-0.008	575	14.34 6.59
	N/A											
-	CYR 6 S	.19 4.8	4.47 113.5	.13 3.2	2.2494 57.135	+0.0002/-0.0003 +0.005/-0.008	2.2502 57.155	+0.0002/-0.0003 +0.005/-0.008	2.2506 57.165	+0.0002/-0.0003 +0.005/-0.008	475	20.16 9.14
	N/A											
-	CYR 7 S	.19 4.8	5.19 131.8	.13 3.2	2.7494 69.835	+0.0002/-0.0003 +0.005/-0.008	2.7502 69.855	+0.0002/-0.0003 +0.005/-0.008	2.7506 69.865	+0.0002/-0.0003 +0.005/-0.008	400	32.43 14.71
	N/A											
-	CYR 8 S	.25 6.4	4.38 111.1	.22 5.6	3.2545 82.664	±0.0005 ±0.0013	3.2560 82.702	±0.0005 ±0.0013	3.2565 82.715	±0.0005 ±0.0013	350	47.30 21.45
	N/A											
-	CYR 9 S	.31 7.9	5.06 128.6	.25 6.4	3.7545 95.364	±0.0005 ±0.0013	3.7560 95.402	±0.0005 ±0.0013	3.7565 95.415	±0.0005 ±0.0013	300	65.70 29.80
	N/A											
-	CYR 10 S	.38 9.5	5.47 138.9	.28 7.1	4.2545 108.064	±0.0005 ±0.0013	4.2560 108.102	±0.0005 ±0.0013	4.2565 108.115	±0.0005 ±0.0013	275	89.20 40.46
	N/A											