McGILL® Metric CAMROL Bearings

Basic Construction Type: Stud Type Crowned / Cylindrical Outside Diameter

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

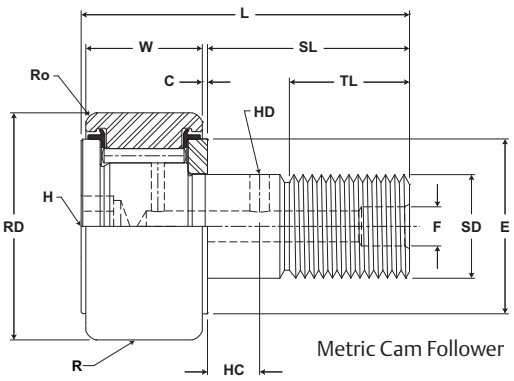
Bearing Material: Bearing Quality Steel

Seal Type: LUBRI-DISC®

Lubrication: Lithium Soap Grease NLGI #2

System Configuration: Concentric / Eccentric

Mounting Feature: Slot / Hex Hole



Metric Cam Follower

MCF, MCFE

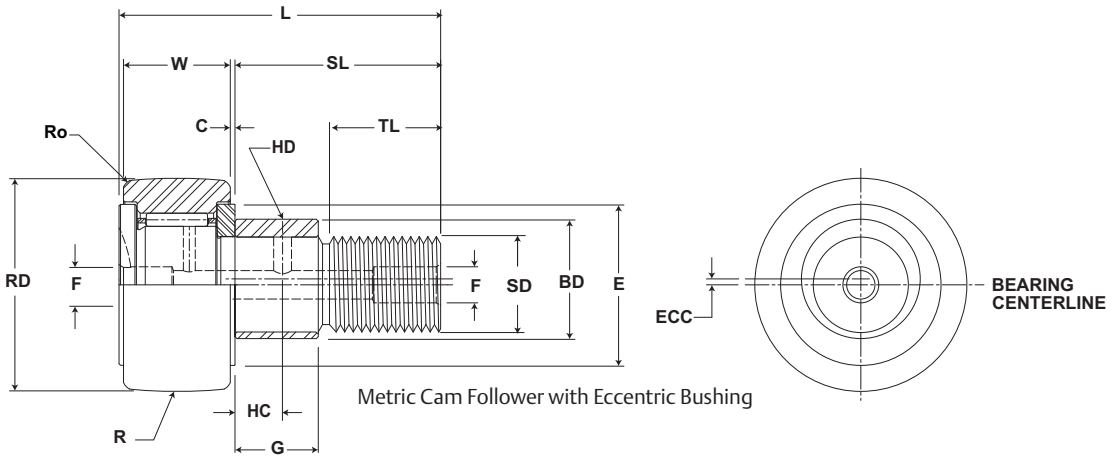
Part No.		RD		W		SD		SL	C	TL	L	R	ECC	G	BD	Track Roller Dynamic Rating	Track Roller Static Rating
W/O Seals	With LUBRI-DISC Seals	Roller Diameter		Roller Width		Stud Diameter		Stud Length	Endplate Extension	Minimum Thread Length	Length Overall	Cylindrical Suffix MCF-xx-X	Eccentric Base Modifier MCFE-xx				
		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch	mm inch			N/lb	N/lb
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)	(Ref)	Radius	(Ref)	+05/-.15 +.002/-.006	(Ref)		
MCF 62A MCF 62A B MCF 62A X MCF 62A BX	MCF 62A S MCF 62A SB MCF 62A SX MCF 62A SBX	62.000 2.4409	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	N/A	N/A	N/A	38,840 8,732	65,400 14,703
MCFE 62A	MCFE 62A S MCFE 62A SB MCFE 62A SX MCFE 62A SBX	62.000 2.4409	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	1 .04	22 0.87	28 .10		
MCFR 62A MCFR 62A B MCFR 62A X MCFR 62A BX	MCFR 62A S MCFR 62A SB MCFR 62A SX MCFR 62A SBX	62.000 2.4409	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	N/A	N/A	N/A	26,380 5,931	46,300 10,409
MCFRE 62A	MCFRE 62A S MCFRE 62A SB MCFRE 62A SX MCFRE 62A SBX	62.000 2.4409	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	1 .04	22 0.87	28 .10		
MCF 72 MCF 72 B MCF 72 X MCF 72 BX	MCF 72 S MCF 72 SB MCF 72 SX MCF 72 SBX	72.000 2.8346	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	N/A	N/A	N/A	38,840 8,732	65,400 14,703
MCFE 72	MCFE 72 S MCFE 72 SB MCFE 72 SX MCFE 72 SBX	72.000 2.8346	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	1 .04	22 0.87	28 .10		
MCFR 72 MCFR 72 B MCFR 72 X MCFR 72 BX	MCFR 72 S MCFR 72 SB MCFR 72 SX MCFR 72 SBX	72.000 2.8346	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	N/A	N/A	N/A	26,380 5,931	46,300 10,409
MCFRE 72	MCFRE 72 S MCFRE 72 SB MCFRE 72 SX MCFRE 72 SBX	72.000 2.8346	+0/-.050 +0/-.002 +0/-.013 +0/-.0005	29.000 1.1417	+0/-.12 +0/-.005	24.000 .9449	+0/-.021 +0/-.0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7 Cylindrical	1 .04	22 0.87	28 .10		

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.
4. Dynamic load should not exceed 50% of Dynamic Rating as a track roller.
5. 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. More frequent relubrication is required when operating at higher speeds. Actual bearing testing in the specific application should be conducted if the anticipated operating speed approaches the listed limiting speed.

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 Cam Follower with Eccentric Bushing

MCF, MCFE

Part No.		HC	HD	F	H	Ro	E	Housing Bore Diameter		Thread Type	Clamping Torque	Limiting Speed (Grease)	WT
W/O Seals	With LUBRI-DISC Seals	Hole Center	Radial Lub. Hole Diameter	Lub. Hole Dia	Hex Hole Suffix MCF_xx B	Outer Corner	Min. Clamping Diameter						Bearing Weight
		mm inch		mm inch		mm inch		mm inch			Nm in-lb	RPM	kg lb
		(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.				
MCF 62A	MCF 62A S	12 .472	4 .157	8 .31	N/A	2.0 .08	63 2.5	24.000 .9449	+.021/-0 +.0008/- 0	M24x1.5	216 1,912	2,100	.81 1.79
MCF 62A B	MCF 62A SB			-	14 .55								
MCF 62A X	MCF 62A SX			8 .31	N/A								
MCF 62A BX	MCF 62A SBX			-	14 .55								
MCFE 62A	MCFE 62A S	N/A	N/A	8 .31	N/A	2.0 .08	63 2.5	28.050 .1043	+0.025/-0 +0.0009/- 0	M24x1.5	216 1,912	2,100	.81 1.79
	MCFE 62A SB			-	14 .55								
	MCFE 62A SX			8 .31	N/A								
	MCFE 62A SBX			-	14 .55								
MCFR 62A	MCFR 62A S	12 .472	4 .157	8 .31	N/A	2.0 .08	63 2.5	24.000 .9449	+.021/-0 +.0008/- 0	M24x1.5	216 1,912	3,100	.81 1.79
MCFR 62A B	MCFR 62A SB			-	14 .55								
MCFR 62A X	MCFR 62A SX			8 .31	N/A								
MCFR 62A BX	MCFR 62A SBX			-	14 .55								
MCFRE 62A	MCFRE 62A S	N/A	N/A	8 .31	N/A	2.0 .08	63 2.5	28.050 .1043	+0.025/-0 +0.0009/- 0	M24x1.5	216 1,912	3,100	.81 1.79
	MCFRE 62A SB			-	14 .55								
	MCFRE 62A SX			8 .31	N/A								
	MCFRE 62A SBX			-	14 .55								
MCF 72	MCF 72 S	12 .472	4 .157	8 .31	N/A	2.0 .08	63 2.5	24.000 .9449	+.021/-0 +.0008/- 0	M24x1.5	216 1,912	2,100	1.04 2.29
MCF 72 B	MCF 72 SB			-	14 .55								
MCF 72 X	MCF 72 SX			8 .31	N/A								
MCF 72 BX	MCF 72 SBX			-	14 .55								
MCFE 72	MCFE 72 S	N/A	N/A	8 .31	N/A	2.0 .08	63 2.5	28.050 .1043	+0.025/-0 +0.0009/- 0	M24x1.5	216 1,912	2,100	1.04 2.29
	MCFE 72 SB			-	14 .55								
	MCFE 72 SX			8 .31	N/A								
	MCFE 72 SBX			-	14 .55								
MCFR 72	MCFR 72 S	12 .472	4 .157	8 .31	N/A	2.0 .08	63 2.5	24.000 .9449	+.021/-0 +.0008/- 0	M24x1.5	216 1,912	3,100	1.04 2.29
MCFR 72 B	MCFR 72 SB			-	14 .55								
MCFR 72 X	MCFR 72 SX			8 .31	N/A								
MCFR 72 BX	MCFR 72 SBX			-	14 .55								
MCFRE 72	MCFRE 72 S	N/A	N/A	8 .31	N/A	2.0 .08	63 2.5	28.050 .1043	+0.025/-0 +0.0009/- 0	M24x1.5	216 1,912	3,100	1.04 2.29
	MCFRE 72 SB			-	14 .55								
	MCFRE 72 SX			8 .31	N/A								
	MCFRE 72 SBX			-	14 .55								