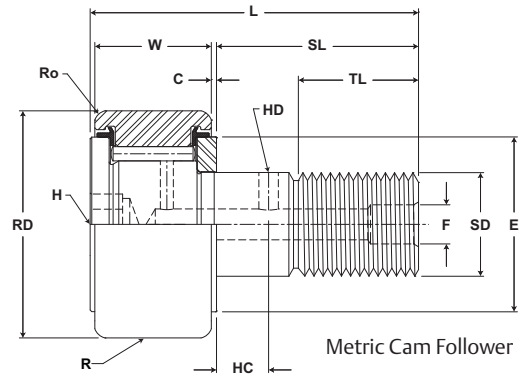


# MCGILL® Metric CAMROL Bearings



- 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

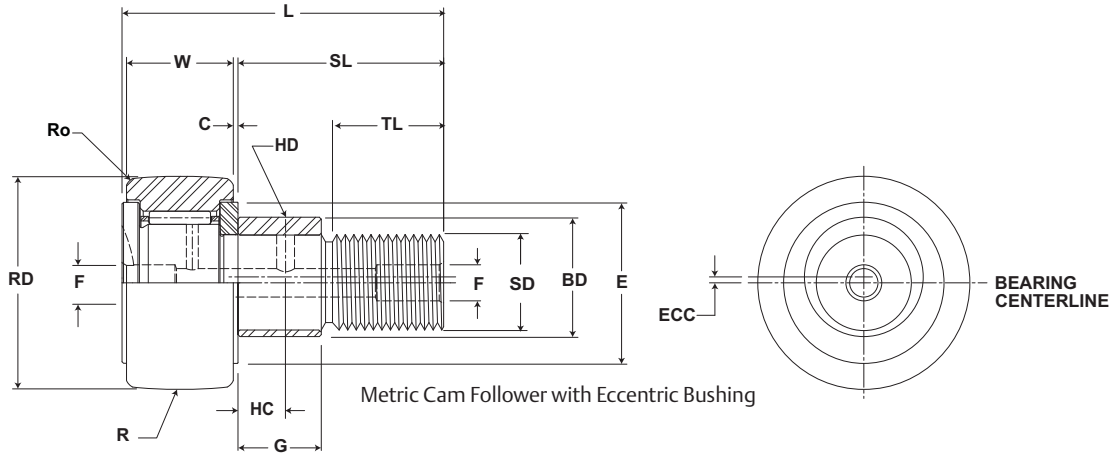


## MCF, MCFE

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	Eccentric				
		mm inch		mm inch		mm inch		mm inch	mm inch	mm inch	mm inch	mm inch	Base Modifier MCFE-xx				
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)	(Ref)	Radius	(Ref)	+05/- .15 +.002/- .006	(Ref)		
MCF 72A	MCF 72A S	72.000 2.8346	+0/- .050 +0/- .002	29.000 +0/- .12 1.1417 +0/- .005	24.000 +0/- .021 .9449 +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	
MCF 72A B	MCF 72A SB																
MCF 72A X	MCF 72A SX																
MCF 72A BX	MCF 72A SBX																
MCFE 72A	MCFE 72A S	72.000 2.8346	+0/- .050 +0/- .002	29.000 +0/- .12 1.1417 +0/- .005	24.000 +0/- .021 .9449 +0/- .0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7	Cylindrical	1 .04	22 0.87	28 .10	26,380 5,931	46,300 10,409	
MCFE 72A B	MCFE 72A SB																
MCFE 72A X	MCFE 72A SX																
MCFE 72A BX	MCFE 72A SBX																
MCFRE 72A	MCFRE 72A S	72.000 2.8346	+0/- .050 +0/- .002	29.000 +0/- .12 1.1417 +0/- .005	24.000 +0/- .021 .9449 +0/- .0008	50 1.9	.80 .031	25.0 .98	80 3.1	500 19.7	Cylindrical	1 .04	22 0.87	28 .10	64,140 14,420	102,300 22,999	
MCFRE 72A B	MCFRE 72A SB																
MCFRE 72A X	MCFRE 72A SX																
MCFRE 72A BX	MCFRE 72A SBX																
MCF 80	MCF 80 S	80.000 3.1496	+0/- .050 +0/- .002	35.000 +0/- .12 1.3780 +0/- .005	30.000 +0/- .021 1.1811 +0/- .0008	63 2.5	1.00 .039	32.0 1.26	100 3.9	500 19.7	Cylindrical	N/A	N/A	N/A	46,680 10,495	87,600 19,694	
MCF 80 B	MCF 80 SB																
MCF 80 X	MCF 80 SX																
MCF 80 BX	MCF 80 SBX																
MCFE 80	MCFE 80 S	80.000 3.1496	+0/- .050 +0/- .002	35.000 +0/- .12 1.3780 +0/- .005	30.000 +0/- .021 1.1811 +0/- .0008	63 2.5	1.00 .039	32.0 1.26	100 3.9	500 19.7	Cylindrical	1.5 .06	29 1.14	35 .38	MCFRE 80A	MCFRE 80A S	
MCFE 80 B	MCFE 80 SB																
MCFE 80 X	MCFE 80 SX																
MCFE 80 BX	MCFE 80 SBX																
MCFR 80A	MCFR 80A S	80.000 3.1496	+0/- .050 +0/- .002	35.000 +0/- .12 1.3780 +0/- .005	30.000 +0/- .021 1.1811 +0/- .0008	63 2.5	1.00 .039	32.0 1.26	100 3.9	500 19.7	Cylindrical	N/A	N/A	N/A	MCFRE 80A B	MCFRE 80A SB	
MCFR 80A B	MCFR 80A SB																
MCFR 80A X	MCFR 80A SX																
MCFR 80A BX	MCFR 80A SBX																
MCFRE 80A	MCFRE 80A S	80.000 3.1496	+0/- .050 +0/- .002	35.000 +0/- .12 1.3780 +0/- .005	30.000 +0/- .021 1.1811 +0/- .0008	63 2.5	1.00 .039	32.0 1.26	100 3.9	500 19.7	Cylindrical	1.5 .06	29 1.14	35 .38	MCFRE 80A X	MCFRE 80A SX	
MCFRE 80A B	MCFRE 80A SB																
MCFRE 80A X	MCFRE 80A SX																
MCFRE 80A BX	MCFRE 80A SBX																

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.



## 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						
		(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.				
MCF 72A	MCF 72A S			$\frac{8}{.31}$	N/A					M24x1.5	216 1,912	2,100	1.04 2.29
MCF 72A B	MCF 72A SB	11	4	-	$\frac{14}{.55}$	2.0	63	24.000	+0.021/-0				
MCF 72A X	MCF 72A SX	.433	.157	$\frac{8}{.31}$	N/A	.08	2.5	.9449	+0.0008/-0				
MCF 72A BX	MCF 72A SBX			-	$\frac{14}{.55}$								
MCFE 72A	MCFE 72A S			$\frac{8}{.31}$	N/A					M24x1.5	216 1,912	2,100	1.04 2.29
	MCFE 72A SB	N/A	N/A	-	$\frac{14}{.55}$	2.0	63	28.050	+0.025/-0				
	MCFE 72A SX			$\frac{8}{.31}$	N/A	.08	2.5	.1043	+0.0009/-0				
	MCFE 72A SBX			-	$\frac{14}{.55}$								
MCFR 72A	MCFR 72A S			$\frac{8}{.31}$	N/A					M24x1.5	216 1,912	3,100	1.04 2.29
MCFR 72A B	MCFR 72A SB	11	4	-	$\frac{14}{.55}$	2.0	63	24.000	+0.021/-0				
MCFR 72A X	MCFR 72A SX	.433	.157	$\frac{8}{.31}$	N/A	.08	2.5	.9449	+0.0008/-0				
MCFR 72A BX	MCFR 72A SBX			-	$\frac{14}{.55}$								
MCFRE 72A	MCFRE 72A S			$\frac{8}{.31}$	N/A					M24x1.5	216 1,912	3,100	1.04 2.29
	MCFRE 72A SB	N/A	N/A	-	$\frac{14}{.55}$	2.0	63	28.050	+0.025/-0				
	MCFRE 72A SX			$\frac{8}{.31}$	N/A	.08	2.5	.1043	+0.0009/-0				
	MCFRE 72A SBX			-	$\frac{14}{.55}$								
MCF 80	MCF 80 S			$\frac{8}{.31}$	N/A					M30x1.5	441 3,903	1,500	1.64 3.62
MCF 80 B	MCF 80 SB	15	4	-	$\frac{14}{.55}$	2.0	63	30.000	+0.021/-0				
MCF 80 X	MCF 80 SX	.591	.157	$\frac{8}{.31}$	N/A	.08	2.5	.1811	+0.0008/-0				
MCF 80 BX	MCF 80 SBX			-	$\frac{14}{.55}$								
MCFE 80	MCFE 80 S			$\frac{8}{.31}$	N/A					M30x1.5	441 3,903	2,200	1.64 3.62
	MCFE 80 SB	N/A	N/A	-	$\frac{14}{.55}$	2.0	63	35.050	+0.025/-0				
	MCFE 80 SX			$\frac{8}{.31}$	N/A	.08	2.5	.3799	+0.0009/-0				
	MCFE 80 SBX			-	$\frac{14}{.55}$								
MCFR 80A	MCFR 80A S			$\frac{8}{.31}$	N/A					M30x1.5	441 3,903	2,200	1.64 3.62
MCFR 80A B	MCFR 80A SB	15	4	-	$\frac{14}{.55}$	2.0	63	30.000	+0.021/-0				
MCFR 80A X	MCFR 80A SX	.591	.157	$\frac{8}{.31}$	N/A	.08	2.5	.1811	+0.0008/-0				
MCFR 80A BX	MCFR 80A SBX			-	$\frac{14}{.55}$								
MCFRE 80A	MCFRE 80A S			$\frac{8}{.31}$	N/A					M30x1.5	441 3,903	2,200	1.64 3.62
	MCFRE 80A SB	N/A	N/A	-	$\frac{14}{.55}$	2.0	63	35.050	+0.025/-0				
	MCFRE 80A SX			$\frac{8}{.31}$	N/A	.08	2.5	.3799	+0.0009/-0				
	MCFRE 80A SBX			-	$\frac{14}{.55}$								