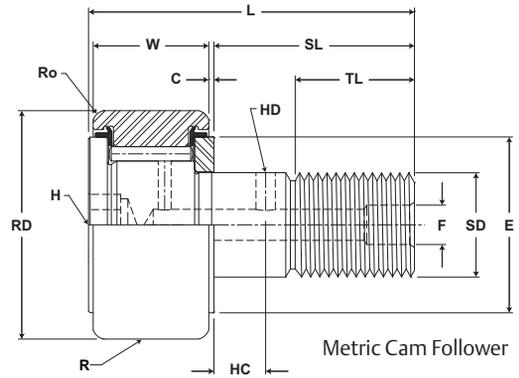


# MCGILL® Metric CAMROL Bearings



- 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

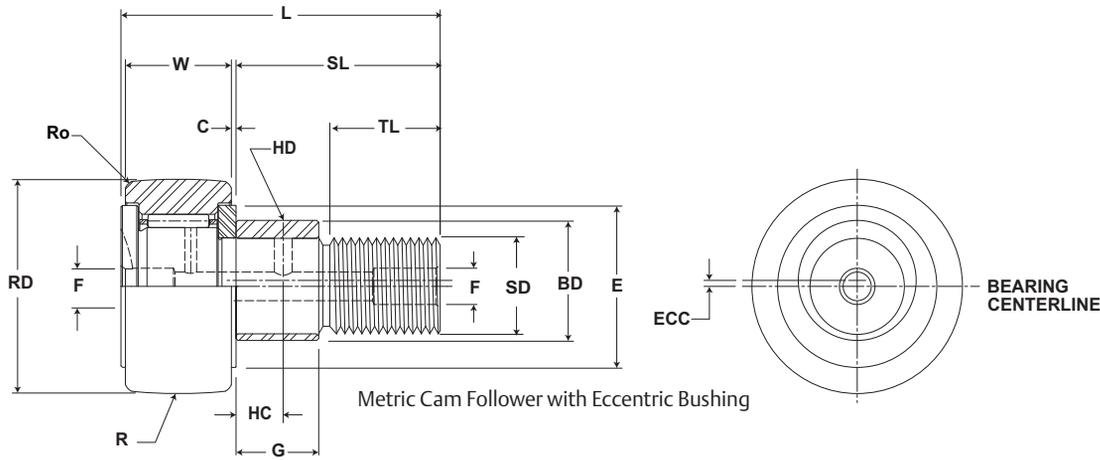


## MCF, MCFE

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 47A	MCF 47A S	47.000 1.8504	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	22.0	.87	66	2.6	500	N/A	N/A	N/A	25,690	46,700	
MCF 47A B	MCF 47A SB		Cylindrical																
MCF 47A X	MCF 47A SX																		
MCF 47A BX	MCF 47A SBX																		
MCFE 47A	MCFE 47A S	47.000 1.8504	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	22.0	.87	66	2.6	500	1	.04	18	0.71	24	.94
MCFE 47A B	MCFE 47A SB		Cylindrical																
MCFE 47A X	MCFE 47A SX																		
MCFE 47A BX	MCFE 47A SBX																		
MCFR 47A	MCFR 47A S	47.000 1.8504	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	22.0	.87	66	2.6	500	N/A	N/A	N/A	17,750	29,800	
MCFR 47A B	MCFR 47A SB		Cylindrical																
MCFR 47A X	MCFR 47A SX																		
MCFR 47A BX	MCFR 47A SBX																		
MCFRE 47A	MCFRE 47A S	47.000 1.8504	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	22.0	.87	66	2.6	500	1	.04	18	0.71	24	.94
MCFRE 47A B	MCFRE 47A SB		Cylindrical																
MCFRE 47A X	MCFRE 47A SX																		
MCFRE 47A BX	MCFRE 47A SBX																		
MCF 52	MCF 52 S	52.000 2.0472	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	21.0	.83	66	2.6	500	N/A	N/A	N/A	25,690	46,700	
MCF 52 B	MCF 52 SB		Cylindrical																
MCF 52 X	MCF 52 SX																		
MCF 52 BX	MCF 52 SBX																		
MCFE 52	MCFE 52 S	52.000 2.0472	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	21.0	.83	66	2.6	500	1	.04	18	0.71	24	.94
MCFE 52 B	MCFE 52 SB		Cylindrical																
MCFE 52 X	MCFE 52 SX																		
MCFE 52 BX	MCFE 52 SBX																		
MCFR 52	MCFR 52 S	52.000 2.0472	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	21.0	.83	66	2.6	500	N/A	N/A	N/A	17,750	29,800	
MCFR 52 B	MCFR 52 SB		Cylindrical																
MCFR 52 X	MCFR 52 SX																		
MCFR 52 BX	MCFR 52 SBX																		
MCFRE 52	MCFRE 52 S	52.000 2.0472	+0/- .050 +0/- .002	24.000 +0/- .12 .9449 +0/- .005	20.000 +0/- .021 .7874 +0/- .0008	41	.80	.031	21.0	.83	66	2.6	500	1	.04	18	0.71	24	.94
MCFRE 52 B	MCFRE 52 SB		Cylindrical																
MCFRE 52 X	MCFRE 52 SX																		
MCFRE 52 BX	MCFRE 52 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						
		mm inch		mm inch		mm inch		mm inch					
		(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.	Nm in-lb	RPM	kg lb	
MCF 47A	MCF 47A S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	2,600	.39 .86
MCF 47A B	MCF 47A SB	12	4	-	$\frac{10}{.39}$	1.5	30	20.000	+0.021/-0				
MCF 47A X	MCF 47A SX	.472	.157	$\frac{8}{.31}$	N/A	.06	1.2	.7874	+0.0008/-0				
MCF 47A BX	MCF 47A SBX			-	$\frac{10}{.39}$								
MCFE 47A	MCFE 47A S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	2,600	.39 .86
	MCFE 47A SB	N/A	N/A	-	$\frac{10}{.39}$	1.5	30	24.050	+0.025/-0				
	MCFE 47A SX			$\frac{8}{.31}$	N/A	.06	1.2	.9469	+0.0009/-0				
	MCFE 47A SBX			-	$\frac{10}{.39}$								
MCFR 47A	MCFR 47A S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	3,900	.39 .86
MCFR 47A B	MCFR 47A SB	12	4	-	$\frac{10}{.39}$	1.5	30	20.000	+0.021/-0				
MCFR 47A X	MCFR 47A SX	.472	.157	$\frac{8}{.31}$	N/A	.06	1.2	.7874	+0.0008/-0				
MCFR 47A BX	MCFR 47A SBX			-	$\frac{10}{.39}$								
MCFRE 47A	MCFRE 47A S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	3,900	.39 .86
	MCFRE 47A SB	N/A	N/A	-	$\frac{10}{.39}$	1.5	30	24.050	+0.025/-0				
	MCFRE 47A SX			$\frac{8}{.31}$	N/A	.06	1.2	.9469	+0.0009/-0				
	MCFRE 47A SBX			-	$\frac{10}{.39}$								
MCF 52	MCF 52 S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	2,600	.45 .99
MCF 52 B	MCF 52 SB	9	4	-	$\frac{10}{.39}$	1.5	36	20.000	+0.021/-0				
MCF 52 X	MCF 52 SX	.354	.157	$\frac{8}{.31}$	N/A	.06	1.4	.7874	+0.0008/-0				
MCF 52 BX	MCF 52 SBX			-	$\frac{10}{.39}$								
MCFE 52	MCFE 52 S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	2,600	.45 .99
	MCFE 52 SB	N/A	N/A	-	$\frac{10}{.39}$	1.5	36	24.050	+0.025/-0				
	MCFE 52 SX			$\frac{8}{.31}$	N/A	.06	1.4	.9469	+0.0009/-0				
	MCFE 52 SBX			-	$\frac{10}{.39}$								
MCFR 52	MCFR 52 S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	3,900	.45 .99
MCFR 52 B	MCFR 52 SB	9	4	-	$\frac{10}{.39}$	1.5	36	20.000	+0.021/-0				
MCFR 52 X	MCFR 52 SX	.354	.157	$\frac{8}{.31}$	N/A	.06	1.4	.7874	+0.0008/-0				
MCFR 52 BX	MCFR 52 SBX			-	$\frac{10}{.39}$								
MCFRE 52	MCFRE 52 S			$\frac{8}{.31}$	N/A					M20x1.5	118 1,044	3,900	.45 .99
	MCFRE 52 SB	N/A	N/A	-	$\frac{10}{.39}$	1.5	36	24.050	+0.025/-0				
	MCFRE 52 SX			$\frac{8}{.31}$	N/A	.06	1.4	.9469	+0.0009/-0				
	MCFRE 52 SBX			-	$\frac{10}{.39}$								