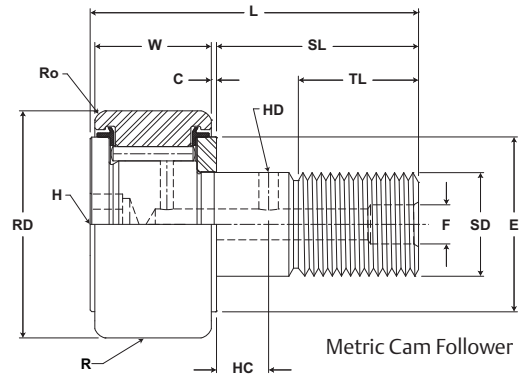


MCGILL® Metric CAMROL Bearings



- 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

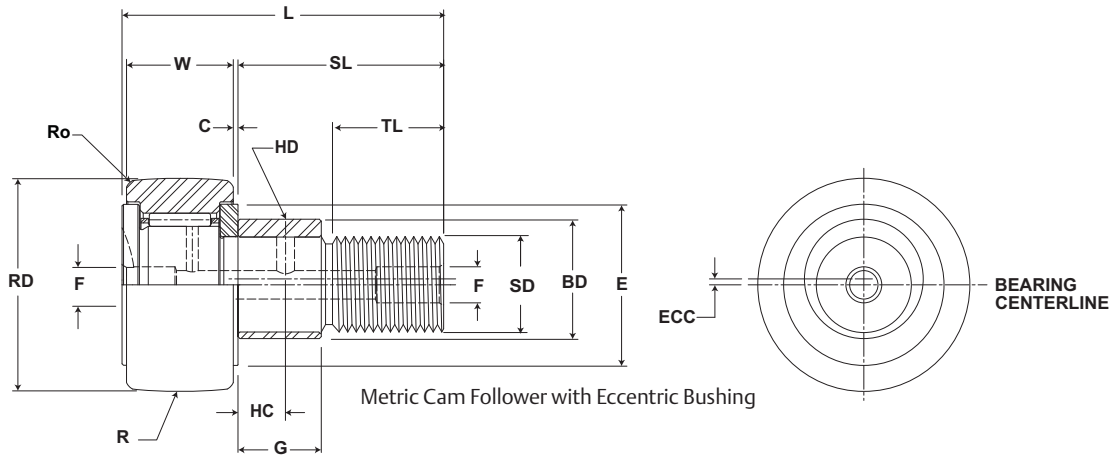


MCF, MCFE

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 35	MCF 35 S	35.000 1.3780	+0/- .050 +0/- .002	18.000 .7087	+0/- .12 +0/- .005	16.000 .6299	+0/- .018 +0/- .0007	33 1.3	.80 .031	18.0 .71	52 2.0	500 19.7	N/A	N/A	N/A	16,970 3,815	28,500 6,407
MCF 35 B	MCF 35 SB		Cylindrical														
MCF 35 X	MCF 35 SX		Cylindrical														
MCF 35 BX	MCF 35 SBX																
MCFE 35	MCFE 35 S	35.000 1.3780	+0/- .050 +0/- .002	18.000 .7087	+0/- .12 +0/- .005	16.000 .6299	+0/- .018 +0/- .0007	33 1.3	.80 .031	18.0 .71	52 2.0	500 19.7	0.5 .02	14 0.55	20 .79	16,970 3,815	28,500 6,407
MCFE 35 SB	MCFE 35 SB		Cylindrical														
MCFE 35 SX	MCFE 35 SX		Cylindrical														
MCFE 35 SBX	MCFE 35 SBX																
MCFR 35	MCFR 35 S	35.000 1.3780	+0/- .050 +0/- .002	18.000 .7087	+0/- .12 +0/- .005	16.000 .6299	+0/- .018 +0/- .0007	33 1.3	.80 .031	18.0 .71	52 2.0	500 19.7	N/A	N/A	N/A	10,890 2,448	15,900 3,575
MCFR 35 B	MCFR 35 SB		Cylindrical														
MCFR 35 X	MCFR 35 SX		Cylindrical														
MCFR 35 BX	MCFR 35 SBX																
MCFRE 35	MCFRE 35 S	35.000 1.3780	+0/- .050 +0/- .002	18.000 .7087	+0/- .12 +0/- .005	16.000 .6299	+0/- .018 +0/- .0007	33 1.3	.80 .031	18.0 .71	52 2.0	500 19.7	0.5 .02	14 0.55	20 .79	10,890 2,448	15,900 3,575
MCFRE 35 SB	MCFRE 35 SB		Cylindrical														
MCFRE 35 SX	MCFRE 35 SX		Cylindrical														
MCFRE 35 SBX	MCFRE 35 SBX																
MCF 40	MCF 40 S	40.000 1.5748	+0/- .050 +0/- .002	20.000 .7874	+0/- .12 +0/- .005	18.000 .7087	+0/- .018 +0/- .0007	37 1.4	.80 .031	19.0 .75	58 2.3	500 19.7	N/A	N/A	N/A	19,420 4,366	32,200 7,239
MCF 40 B	MCF 40 SB		Cylindrical														
MCF 40 X	MCF 40 SX		Cylindrical														
MCF 40 BX	MCF 40 SBX																
MCFE 40	MCFE 40 S	40.000 1.5748	+0/- .050 +0/- .002	20.000 .7874	+0/- .12 +0/- .005	18.000 .7087	+0/- .018 +0/- .0007	37 1.4	.80 .031	19.0 .75	58 2.3	500 19.7	1 .04	16 0.63	22 .87	19,420 4,366	32,200 7,239
MCFE 40 SB	MCFE 40 SB		Cylindrical														
MCFE 40 SX	MCFE 40 SX		Cylindrical														
MCFE 40 SBX	MCFE 40 SBX																
MCFR 40	MCFR 40 S	40.000 1.5748	+0/- .050 +0/- .002	20.000 .7874	+0/- .12 +0/- .005	18.000 .7087	+0/- .018 +0/- .0007	37 1.4	.80 .031	19.0 .75	58 2.3	500 19.7	N/A	N/A	N/A	13,340 2,999	19,800 4,451
MCFR 40 B	MCFR 40 SB		Cylindrical														
MCFR 40 X	MCFR 40 SX		Cylindrical														
MCFR 40 BX	MCFR 40 SBX																
MCFRE 40	MCFRE 40 S	40.000 1.5748	+0/- .050 +0/- .002	20.000 .7874	+0/- .12 +0/- .005	18.000 .7087	+0/- .018 +0/- .0007	37 1.4	.80 .031	19.0 .75	58 2.3	500 19.7	1 .04	16 0.63	22 .87	13,340 2,999	19,800 4,451
MCFRE 40 SB	MCFRE 40 SB		Cylindrical														
MCFRE 40 SX	MCFRE 40 SX		Cylindrical														
MCFRE 40 SBX	MCFRE 40 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.		kg lb		
MCF 35	MCF 35 S			$\frac{6}{.24}$	N/A					M16x1.5	85 752	4,200	.16 .35
MCF 35 B	MCF 35 SB	8	3	-	$\frac{8}{.31}$	1.0	24	16.000	+0.018/-0				
MCF 35 X	MCF 35 SX	.315	.118	$\frac{6}{.24}$	N/A	.04	.9	.6299	+0.0007/-0				
MCF 35 BX	MCF 35 SBX			-	$\frac{8}{.31}$								
MCFE 35	MCFE 35 S			$\frac{6}{.24}$	N/A					M16x1.5	85 752	4,200	.16 .35
	MCFE 35 SB	N/A	N/A	-	$\frac{8}{.31}$	1.0	24	20.050	+0.025/-0				
	MCFE 35 SX			$\frac{6}{.24}$	N/A	.04	.9	.7894	+0.0009/-0				
	MCFE 35 SBX			-	$\frac{8}{.31}$								
MCFR 35	MCFR 35 S			$\frac{6}{.24}$	N/A					M16x1.5	85 752	6,300	.16 .35
MCFR 35 B	MCFR 35 SB	8	3	-	$\frac{8}{.31}$	1.0	24	16.000	+0.018/-0				
MCFR 35 X	MCFR 35 SX	.315	.118	$\frac{6}{.24}$	N/A	.04	.9	.6299	+0.0007/-0				
MCFR 35 BX	MCFR 35 SBX			-	$\frac{8}{.31}$								
MCFRE 35	MCFRE 35 S			$\frac{6}{.24}$	N/A					M16x1.5	85 752	6,300	.16 .35
	MCFRE 35 SB	N/A	N/A	-	$\frac{8}{.31}$	1.0	24	20.050	+0.025/-0				
	MCFRE 35 SX			$\frac{6}{.24}$	N/A	.04	.9	.7894	+0.0009/-0				
	MCFRE 35 SBX			-	$\frac{8}{.31}$								
MCF 40	MCF 40 S			$\frac{6}{.24}$	N/A					M18x1.5	85 752	3,300	.25 .55
MCF 40 B	MCF 40 SB	8	3	-	$\frac{8}{.31}$	1.5	27	18.000	+0.018/-0				
MCF 40 X	MCF 40 SX	.315	.118	$\frac{6}{.24}$	N/A	.06	1.1	.7087	+0.0007/-0				
MCF 40 BX	MCF 40 SBX			-	$\frac{8}{.31}$								
MCFE 40	MCFE 40 S			$\frac{6}{.24}$	N/A					M18x1.5	85 752	3,300	.25 .55
	MCFE 40 SB	N/A	N/A	-	$\frac{8}{.31}$	1.5	27	22.050	+0.025/-0				
	MCFE 40 SX			$\frac{6}{.24}$	N/A	.06	1.1	.8681	+0.0009/-0				
	MCFE 40 SBX			-	$\frac{8}{.31}$								
MCFR 40	MCFR 40 S			$\frac{6}{.24}$	N/A					M18x1.5	85 752	5,000	.25 .55
MCFR 40 B	MCFR 40 SB	8	3	-	$\frac{8}{.31}$	1.5	27	18.000	+0.018/-0				
MCFR 40 X	MCFR 40 SX	.315	.118	$\frac{6}{.24}$	N/A	.06	1.1	.7087	+0.0007/-0				
MCFR 40 BX	MCFR 40 SBX			-	$\frac{8}{.31}$								
MCFRE 40	MCFRE 40 S			$\frac{6}{.24}$	N/A					M18x1.5	85 752	5,000	.25 .55
	MCFRE 40 SB	N/A	N/A	-	$\frac{8}{.31}$	1.5	27	22.050	+0.025/-0				
	MCFRE 40 SX			$\frac{6}{.24}$	N/A	.06	1.1	.8681	+0.0009/-0				
	MCFRE 40 SBX			-	$\frac{8}{.31}$								