



Basic Construction Type: Stud Type Crowned / Cylindrical Outside Diameter

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

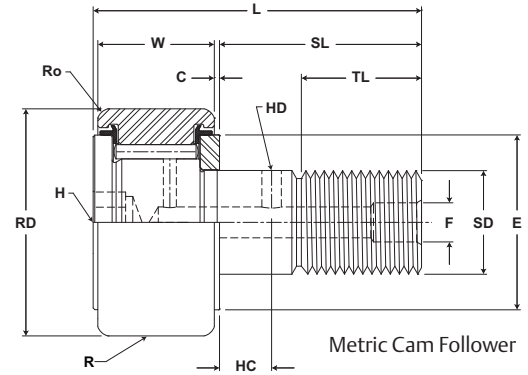
Bearing Material: Bearing Quality Steel

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 Suffix MCF-xx-X	Eccentric Base Modifier MCFE-xx				
		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch			
		Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)	(Ref)	Radius	(Ref)	+05/- .15 +.002/- .006	(Ref)		
MCF 30	MCF 30 S	30.000 1.1811	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	N/A	N/A	N/A	11,080 2,491	15,300 3,440
MCF 30 B	MCF 30 SB		Cylindrical														
MCF 30 X	MCF 30 SX																
MCF 30 BX	MCF 30 SBX																
MCFE 30	MCFE 30 S	30.000 1.1811	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	0.5 .02	11 0.43	15 .59	6,860 1,542	8,050 1,810
MCFE 30 SB	MCFE 30 SB		Cylindrical														
MCFE 30 SX	MCFE 30 SX																
MCFE 30 SBX	MCFE 30 SBX																
MCFR 30	MCFR 30 S	30.000 1.1811	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	N/A	N/A	N/A	6,860 1,542	8,050 1,810
MCFR 30 B	MCFR 30 SB		Cylindrical														
MCFR 30 X	MCFR 30 SX																
MCFR 30 BX	MCFR 30 SBX																
MCFRE 30	MCFRE 30 S	30.000 1.1811	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	0.5 .02	11 0.43	15 .59	6,860 1,542	8,050 1,810
MCFRE 30 SB	MCFRE 30 SB		Cylindrical														
MCFRE 30 SX	MCFRE 30 SX																
MCFRE 30 SBX	MCFRE 30 SBX																
MCF 32	MCF 32 S	32.000 1.2598	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	N/A	N/A	N/A	11,080 2,491	15,300 3,440
MCF 32 B	MCF 32 SB		Cylindrical														
MCF 32 X	MCF 32 SX																
MCF 32 BX	MCF 32 SBX																
MCFE 32	MCFE 32 S	32.000 1.2598	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	0.5 .02	11 0.43	15 .59	6,860 1,542	8,050 1,810
MCFE 32 SB	MCFE 32 SB		Cylindrical														
MCFE 32 SX	MCFE 32 SX																
MCFE 32 SBX	MCFE 32 SBX																
MCFR 32	MCFR 32 S	32.000 1.2598	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	N/A	N/A	N/A	6,860 1,542	8,050 1,810
MCFR 32 B	MCFR 32 SB		Cylindrical														
MCFR 32 X	MCFR 32 SX																
MCFR 32 BX	MCFR 32 SBX																
MCFRE 32	MCFRE 32 S	32.000 1.2598	+0/- .050 +0/- .002	14.000 .5512	+0/- .12 +0/- .005	12.000 .4724	+0/- .018 +0/- .0007	25 .9	.60 .024	14.0 .55	40 1.6	500 19.7	0.5 .02	11 0.43	15 .59	6,860 1,542	8,050 1,810
MCFRE 32 SB	MCFRE 32 SB		Cylindrical														
MCFRE 32 SX	MCFRE 32 SX																
MCFRE 32 SBX	MCFRE 32 SBX																

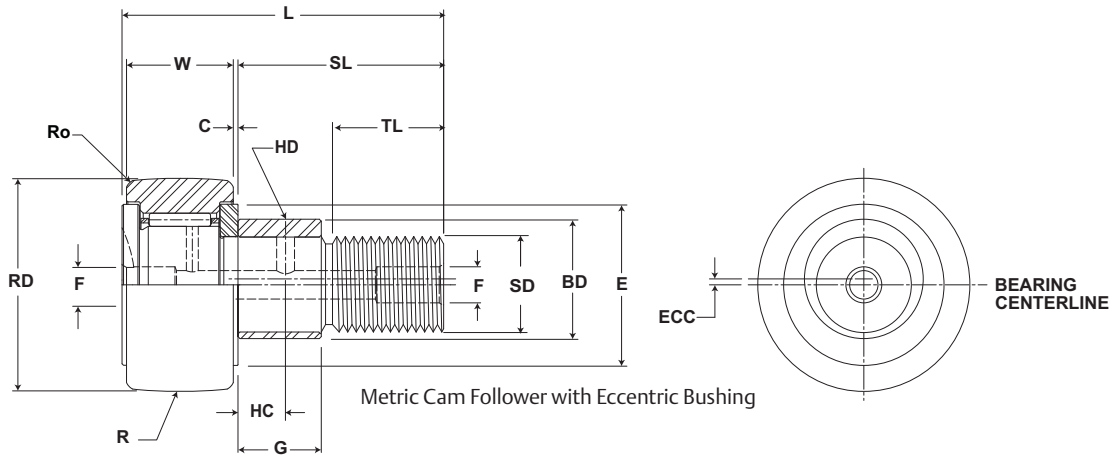
- Standard bearing has a crowned roller outside diameter. For straight cylindrical outside roller diameter, add suffix "X". Example - MCFR-35-X or MCF-35-SX.
- Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.
- Static load rating is based on stud strength or on internal rolling element load distribution stresses.
- Dynamic load should not exceed 50% of Dynamic Rating as a track roller.
- 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 CAMROL Bearings **MCGILL**



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	Nom.	Tol.	Nm in-lb	RPM		kg lb		
MCF 30	MCF 30 S	6 .236	3 .118	6 .24	N/A	1.0 .04	19 .7	12.000 .4724	+0.018/-0 +0.0007/- 0	M12x1.5	22 195	6,400	.09 .20
MCF 30 B	MCF 30 SB			-	6 .24								
MCF 30 X	MCF 30 SX			6 .24	N/A								
MCF 30 BX	MCF 30 SBX			-	6 .24								
MCFE 30	MCFE 30 S	N/A	N/A	6 .24	N/A	1.0 .04	19 .7	15.050 .5925	+0.025/-0 +0.0009/- 0	M12x1.5	22 195	6,400	.09 .20
	MCFE 30 SB			-	6 .24								
	MCFE 30 SX			6 .24	N/A								
	MCFE 30 SBX			-	6 .24								
MCFR 30	MCFR 30 S	6 .236	3 .118	6 .24	N/A	1.0 .04	19 .7	12.000 .4724	+0.018/-0 +0.0007/- 0	M12x1.5	22 195	9,600	.09 .20
MCFR 30 B	MCFR 30 SB			-	6 .24								
MCFR 30 X	MCFR 30 SX			6 .24	N/A								
MCFR 30 BX	MCFR 30 SBX			-	6 .24								
MCFRE 30	MCFRE 30 S	N/A	N/A	6 .24	N/A	1.0 .04	19 .7	15.050 .5925	+0.025/-0 +0.0009/- 0	M12x1.5	22 195	9,600	.09 .20
	MCFRE 30 SB			-	6 .24								
	MCFRE 30 SX			6 .24	N/A								
	MCFRE 30 SBX			-	6 .24								
MCF 32	MCF 32 S	6 .236	3 .118	6 .24	N/A	1.0 .04	21 .8	12.000 .4724	+0.018/-0 +0.0007/- 0	M12x1.5	57 504	6,400	.10 .22
MCF 32 B	MCF 32 SB			-	6 .24								
MCF 32 X	MCF 32 SX			6 .24	N/A								
MCF 32 BX	MCF 32 SBX			-	6 .24								
MCFE 32	MCFE 32 S	N/A	N/A	6 .24	N/A	1.0 .04	21 .8	15.050 .5925	+0.025/-0 +0.0009/- 0	M12x1.5	57 504	6,400	.10 .22
	MCFE 32 SB			-	6 .24								
	MCFE 32 SX			6 .24	N/A								
	MCFE 32 SBX			-	6 .24								
MCFR 32	MCFR 32 S	6 .236	3 .118	6 .24	N/A	1.0 .04	21 .8	12.000 .4724	+0.018/-0 +0.0007/- 0	M12x1.5	57 504	9,600	.10 .22
MCFR 32 B	MCFR 32 SB			-	6 .24								
MCFR 32 X	MCFR 32 SX			6 .24	N/A								
MCFR 32 BX	MCFR 32 SBX			-	6 .24								
MCFRE 32	MCFRE 32 S	N/A	N/A	6 .24	N/A	1.0 .04	21 .8	15.050 .5925	+0.025/-0 +0.0009/- 0	M12x1.5	57 504	9,600	.10 .22
	MCFRE 32 SB			-	6 .24								
	MCFRE 32 SX			6 .24	N/A								
	MCFRE 32 SBX			-	6 .24								