



Basic Construction Type: Stud Type Crowned / Cylindrical Outside Diameter

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

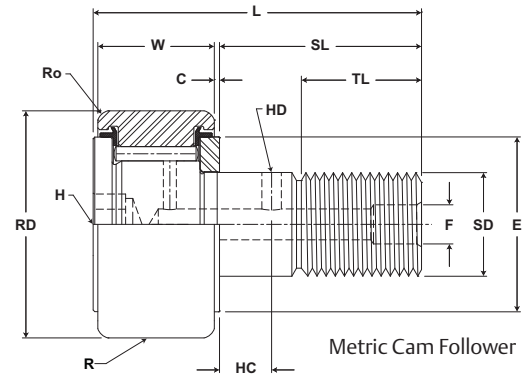
Bearing Material: Bearing Quality Steel

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)	N/lb	N/lb
MCF 52A	MCF 52A S	52.000 2.0472	+0/- .050 +0/- .002	24.000 .9449	+0/- .12 +0/- .005	20.000 .7874	+0/- .021 +0/- .0008	41 1.6	.80 .031	22.0 .87	66 2.6	500 19.7	N/A	N/A	N/A	25,690 5,776	46,700 10,499
MCF 52A B	MCF 52A SB		Cylindrical														
MCF 52A X	MCF 52A SX																
MCF 52A BX	MCF 52A SBX																
MCFE 52A	MCFE 52A S	52.000 2.0472	+0/- .050 +0/- .002	24.000 .9449	+0/- .12 +0/- .005	20.000 .7874	+0/- .021 +0/- .0008	41 1.6	.80 .031	22.0 .87	66 2.6	500 19.7	1 .04	18 0.71	24 .94		
	MCFE 52A SB		Cylindrical														
	MCFE 52A SX																
	MCFE 52A SBX																
MCFR 52A	MCFR 52A S	52.000 2.0472	+0/- .050 +0/- .002	24.000 .9449	+0/- .12 +0/- .005	20.000 .7874	+0/- .021 +0/- .0008	41 1.6	.80 .031	22.0 .87	66 2.6	500 19.7	N/A	N/A	N/A	17,750 3,991	29,800 6,700
MCFR 52A B	MCFR 52A SB		Cylindrical														
MCFR 52A X	MCFR 52A SX																
MCFR 52A BX	MCFR 52A SBX																
MCFRE 52A	MCFRE 52A S	52.000 2.0472	+0/- .050 +0/- .002	24.000 .9449	+0/- .12 +0/- .005	20.000 .7874	+0/- .021 +0/- .0008	41 1.6	.80 .031	22.0 .87	66 2.6	500 19.7	1 .04	18 0.71	24 .94		
	MCFRE 52A SB		Cylindrical														
	MCFRE 52A SX																
	MCFRE 52A SBX																
MCF 62	MCF 62 S	62.000 2.4409	+0/- .050 +0/- .002	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	N/A	N/A	N/A	38,840 8,732	65,400 14,703
MCF 62 B	MCF 62 SB		Cylindrical														
MCF 62 X	MCF 62 SX																
MCF 62 BX	MCF 62 SBX																
MCFE 62	MCFE 62 S	62.000 2.4409	+0/- .050 +0/- .002	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	1 .04	22 0.87	28 .10		
	MCFE 62 SB		Cylindrical														
	MCFE 62 SX																
	MCFE 62 SBX																
MCFR 62	MCFR 62 S	62.000 2.4409	+0/- .050 +0/- .002	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	N/A	N/A	N/A	26,380 5,931	46,300 10,409
MCFR 62 B	MCFR 62 SB		Cylindrical														
MCFR 62 X	MCFR 62 SX																
MCFR 62 BX	MCFR 62 SBX																
MCFRE 62	MCFRE 62 S	62.000 2.4409	+0/- .050 +0/- .002	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	1 .04	22 0.87	28 .10		
	MCFRE 62 SB		Cylindrical														
	MCFRE 62 SX																
	MCFRE 62 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.

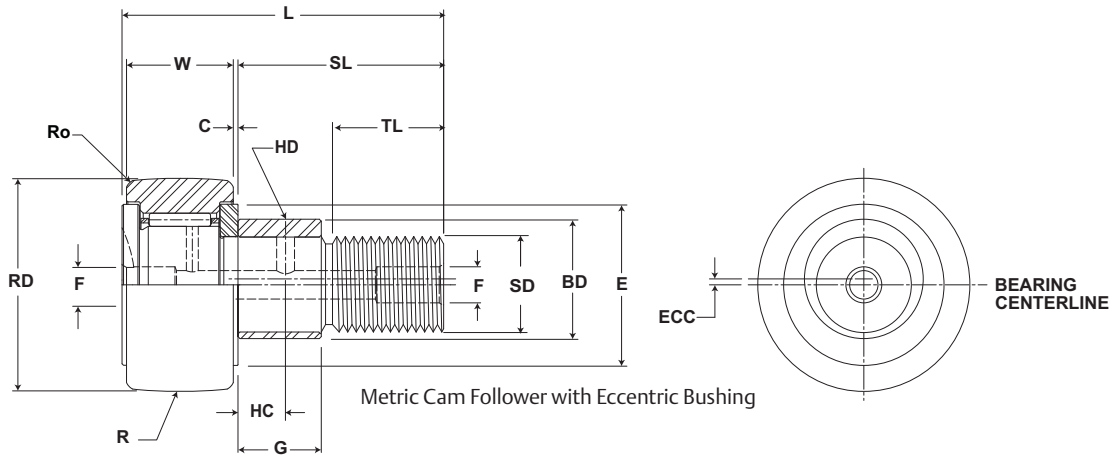
4. Dynamic load should not exceed 50% of Dynamic Rating as a track roller.

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						Bearing Weight
		mm inch	mm inch	mm inch	mm inch	mm inch	mm inch	Nm in-lb	RPM		kg lb		
(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.				
MCF 52A	MCF 52A S	12 .472	4 .157	8 .31	N/A	1.5 .06	36 1.4	20.000 .7874	+.021/-0 +0.0008/- 0	M20x1.5	216 1,912	2,600	.45 .99
MCF 52A B	MCF 52A SB			-	10 .39								
MCF 52A X	MCF 52A SX			8 .31	N/A								
MCF 52A BX	MCF 52A SBX			-	10 .39								
MCFE 52A	MCFE 52A S	N/A	N/A	8 .31	N/A	1.5 .06	36 1.4	24.050 .9469	+0.025/-0 +0.0009/- 0	M20x1.5	216 1,912	2,600	.45 .99
	MCFE 52A SB			-	10 .39								
	MCFE 52A SX			8 .31	N/A								
	MCFE 52A SBX			-	10 .39								
MCFR 52A	MCFR 52A S	12 .472	4 .157	8 .31	N/A	1.5 .06	36 1.4	20.000 .7874	+.021/-0 +0.0008/- 0	M20x1.5	216 1,912	3,900	.45 .99
MCFR 52A B	MCFR 52A SB			-	10 .39								
MCFR 52A X	MCFR 52A SX			8 .31	N/A								
MCFR 52A BX	MCFR 52A SBX			-	10 .39								
MCFRE 52A	MCFRE 52A S	N/A	N/A	8 .31	N/A	1.5 .06	36 1.4	24.050 .9469	+0.025/-0 +0.0009/- 0	M20x1.5	216 1,912	3,900	.45 .99
	MCFRE 52A SB			-	10 .39								
	MCFRE 52A SX			8 .31	N/A								
	MCFRE 52A SBX			-	10 .39								
MCF 62	MCF 62 S	11 .433	4 .157	8 .31	N/A	2.0 .08	44 1.7	24.000 .9449	+.021/-0 +0.0008/- 0	M24x1.5	216 1,912	2,100	.81 1.79
MCF 62 B	MCF 62 SB			-	14 .55								
MCF 62 X	MCF 62 SX			8 .31	N/A								
MCF 62 BX	MCF 62 SBX			-	14 .55								
MCFE 62	MCFE 62 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 62 SB			-	14 .55								
	MCFE 62 SX			8 .31	N/A								
	MCFE 62 SBX			-	14 .55								
MCFR 62	MCFR 62 S	11 .433	4 .157	8 .31	N/A	2.0 .08	63 2.5	24.000 .9449	+.021/-0 +0.0008/- 0	M24x1.5	216 1,912	3,100	.81 1.79
MCFR 62 B	MCFR 62 SB			-	14 .55								
MCFR 62 X	MCFR 62 SX			8 .31	N/A								
MCFR 62 BX	MCFR 62 SBX			-	14 .55								
MCFRE 62	MCFRE 62 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 62 SB			-	14 .55								
	MCFRE 62 SX			8 .31	N/A								
	MCFRE 62 SBX			-	14 .55								