McGILL® Heavy Duty CAMROL Bearings

Basic Construction Type: Stud Type Crowned / Cylindrical Outside Diameter

Rolling Elements: Full Complement Cylindrical Roller

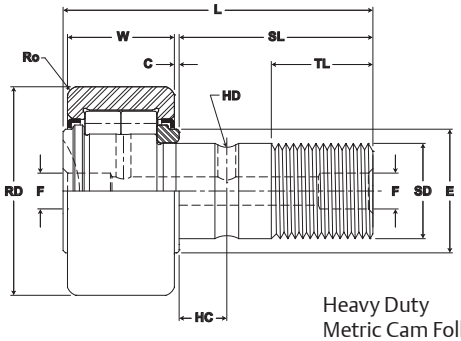
Bearing Material: Bearing Quality Steel

Seal Type: Metallic Shield

Lubrication: Lithium Soap Grease NLGI #2

System Configuration: Concentric / Eccentric

Mounting Feature: Slot / Hex Hole



Heavy Duty Metric Cam Follower

MCFD, MCFDE

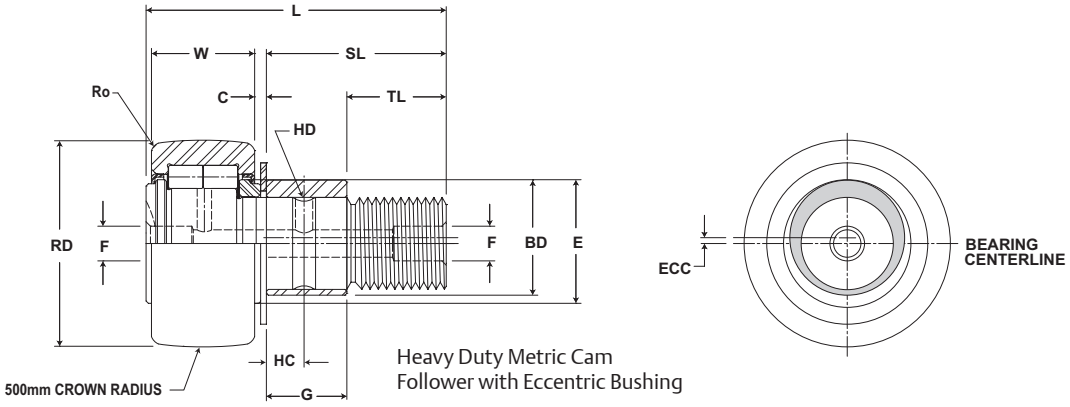
Part No.	RD		W		SD		SL	C	TL	L	R	ECC	G	BD	Track Roller Dynamic Rating	Track Roller Static Rating
With Shields	Roller Diameter		Roller Width		Stud Diameter		Stud Length	Endplate Extension	Minimum Thread Length	Length Overall	Cylindrical Suffix MCFD-xx-X	Eccentric Base Modifier MCFDE-xx				
	mm inch		mm inch		mm inch		mm inch		mm inch		mm inch	mm inch			N/lb	N/lb
	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	+05/-.15 (+.002 / -.006)	See Table		
MCFD 35	35.000 1.3780	+0/-.050 +0/-.002	18.00 .709	+0/.12 +0/-.005	16.000 .6299	+0/-.018 +0/-.0007	32.50 1.280	.80 .031	17.00 .669	52.00 2.047	500 20	N/A	N/A	N/A	16,000 3,597	18,000 4,047
MCFDE 35												0.5 .02	14 0.55	20 .79		
MCFD 35 X		+0/-.011 +0/-.0004									Cylindrical	N/A	N/A	N/A		
MCFDE 35 X												0.5 .02	14 0.55	20 .79		
MCFD 40	40.000 1.5748	+0/-.050 +0/-.002	20.00 .787	+0/.12 +0/-.009	18.000 .7087	+0/-.018 +0/-.0007	36.50 1.437	.80 .031	19.00 .748	58.00 2.283	500 20	N/A	N/A	N/A	18,000 4,047	22,000 4,946
MCFDE 40												1 .04	16 0.63	22 .87		
MCFD 40 X		+0/-.011 +0/-.0004									Cylindrical	N/A	N/A	N/A		
MCFDE 40 X												1 .04	16 0.63	22 .87		
MCFD 47	47.000 1.8504	+0/-.050 +0/-.002	24.00 .945	+0/.12 +0/-.013	20.000 .7874	+0/-.021 +0/-.0008	40.50 1.594	.80 .031	21.00 .827	66.00 2.598	500 20	N/A	N/A	N/A	27,000 6,070	32,000 7,194
MCFDE 47												1 .04	18 0.71	24 .94		
MCFD 47 X		+0/-.011 +0/-.0004									Cylindrical	N/A	N/A	N/A		
MCFDE 47 X												1 .04	18 0.71	24 .94		
MCFD 52	52.000 2.0472	+0/-.050 +0/-.002	24.00 .945	+0/.12 +0/-.017	20.000 .7874	+0/-.021 +0/-.0008	40.50 1.594	.80 .031	21.00 .827	66.00 2.598	500 20	N/A	N/A	N/A	30,000 6,745	35,000 7,869
MCFDE 52												1 .04	18 0.71	24 .94		
MCFD 52 X		+0/-.013 +0/-.0005									Cylindrical	N/A	N/A	N/A		
MCFDE 52 X												1 .04	18 0.71	24 .94		
MCFD 62	62.000 2.4409	+0/-.050 +0/-.002	29.00 1.142	+0/.12 +0/-.021	24.000 .9449	+0/-.021 +0/-.0008	49.50 1.949	.80 .031	25.00 .984	80.00 3.150	500 20	N/A	N/A	N/A	41,000 9,218	48,000 10,791
MCFDE 62												1 .04	22 0.87	28 .10		
MCFD 62 X		+0/-.013 +0/-.0005									Cylindrical	N/A	N/A	N/A		
MCFDE 62 X												1 .04	22 0.87	28 .10		

1. Standard bearing has a crowned roller outside diameter. For straight cylindrical outside roller diameter, add suffix "X". Example - MCFD-35-X.
2. 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. If grease lubricated, frequent relubrication is required. Actual bearing testing in the specific application should be conducted if the anticipated operating speed approaches the listed limiting speed.
3. Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

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.



Heavy Duty Metric Cam Follower with Eccentric Bushing

MCFD, MCFDE

Part No.	HC	HD	D	E	Ro	HBD	sdt	Thread Type	CT	LSD	WT
With Shields	Hole Center	Radial Lub. Hole Diameter	Lub. Hole Dia. / Lub. Fitting	Min. Clamping Diameter	Outer Radius (suffix X)	Housing Bore Diameter		Thread Type	Clamping Torque	Limiting Speed (Grease)	Bearing Weight
	mm inch		mm inch		mm inch				Nm in-lb	RPM	kg lb
	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.				
MCFD 35	8.00 .315	3.00 .118	6.00 .236	21.00 .827	1.00 .039	16.000 .6299	+0/-.018 +0/-.0007	M16x1.5	85 752	6,500	.16 .36
MCFDE 35											
MCFD 35 X											
MCFDE 35 X											
MCFD 40	8.00 .315	3.00 .118	6.00 .236	23.00 .906	1.50 .059	18.000 .7087	+0/-.018 +0/-.0007	M18x1.5	85 752	5,500	.24 .53
MCFDE 40											
MCFD 40 X											
MCFDE 40 X											
MCFD 47	9.00 .354	4.00 .157	8.00 .315	27.00 1.063	1.50 .059	20.000 .7874	+0/-.021 +0/-.0008	M20x1.5	118 1,044	4,200	.38 .84
MCFDE 47											
MCFD 47 X											
MCFDE 47 X											
MCFD 52	9.00 .354	4.00 .157	8.00 .315	21.00 .827	1.50 .059	20.000 .7874	+0/-.021 +0/-.0008	M20x1.5	118 1,044	3,400	.45 .99
MCFDE 52											
MCFD 52 X											
MCFDE 52 X											
MCFD 62	11.00 .433	4.00 .157	8.00 .315	38.00 1.496	2.00 .079	24.000 .9449	+0/-.021 +0/-.0008	M24x1.5	216 1,912	2,600	.80 1.75
MCFDE 62											
MCFD 62 X											
MCFDE 62 X											

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Bearing Material: Bearing Quality Steel

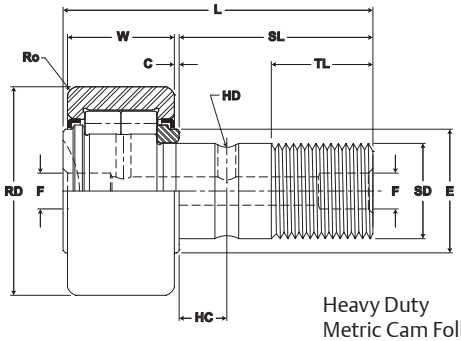
Seal Type: Metallic Shield

Lubrication: Lithium Soap Grease NLGI #2

System Configuration: Concentric / Eccentric / Heavy Stud

Mounting Feature: Slot / Hex Hole

Dimensional Interchange: ISO Standard



Heavy Duty Metric Cam Follower

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Part No.	RD		W		SD		SL	C	TL	L	R	ECC	G	BD	Track Roller Dynamic Rating	Track Roller Static Rating
With Shields	Roller Diameter		Roller Width		Stud Diameter		Stud Length	Endplate Extension	Minimum Thread Length	Length Overall	Cylindrical Suffix MCFD-xx-X	Eccentric Base Modifier MCFDE-xx				
	mm inch		mm inch		mm inch		mm inch		mm inch		mm inch	mm inch			N/lb	N/lb
	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	+05/-.15 (+.002 / -.006)	See Table		
MCFD 72	72.000 2.8346	+0/-.050 +0/-.002	29.00 1.142	+0/.12 +0/-.025	24.000 .9449	+0/-.021 +0/-.0008	49.50 1.949	.80 .031	25.00 .984	80.00 3.150	500 20	N/A	N/A	N/A	46,000 10,342	57,000 12,815
MCFDE 72												1 .04	22 0.87	28 .10		
MCFD 72 X		+0/-.013 +0/-.0005									Cylindrical	N/A	N/A	N/A		
MCFDE 72 X												1 .04	22 0.87	28 .10		
MCFD 80	80.000 3.1496	+0/-.050 +0/-.002	35.00 1.378	+0/.12 +0/-.029	30.000 1.1811	+0/-.021 +0/-.0008	63.00 2.480	1.00 .039	32.00 1.260	100.00 3.937	500 20	N/A	N/A	N/A	67,000 15,063	91,000 20,459
MCFDE 80												1.5 .06	29 1.14	35 .38		
MCFD 80 X		+0/-.015 +0/-.0006									Cylindrical	N/A	N/A	N/A		
MCFDE 80 X												1.5 .06	29 1.14	35 .38		
MCFD 90	90.000 3.5433	+0/-.050 +0/-.002	35.00 1.378	+0/.12 +0/-.033	30.000 1.1811	+0/-.021 +0/-.0008	63.00 2.480	1.00 .039	32.00 1.260	100.00 3.937	500 20	N/A	N/A	N/A	67,000 15,063	101,000 22,707
MCFDE 90												1.5 .06	29 1.14	35 .38		
MCFD 90 X		+0/-.015 +0/-.0006									Cylindrical	N/A	N/A	N/A		
MCFDE 90 X												1.5 .06	29 1.14	35 .38		

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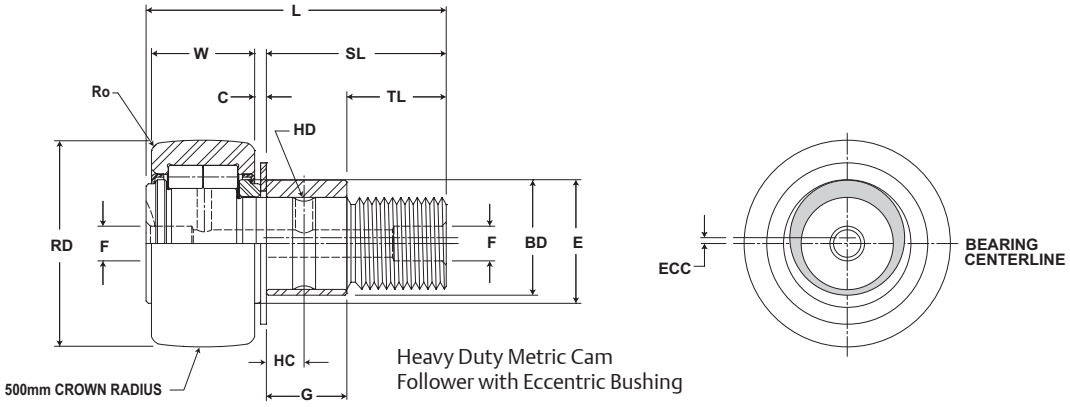

Heavy Duty Metric Cam Follower with Eccentric Bushing

MCFD, MCFDE

Part No.	HC	HD	D	E	Ro	HBD	sdt	Thread Type	CT	LSD	WT
With Shields	Hole Center	Radial Lub. Hole Diameter	Lub. Hole Dia. / Lub. Fitting	Min. Clamping Diameter	Outer Radius (suffix X)	Housing Bore Diameter		Thread Type	Clamping Torque	Limiting Speed (Grease)	Bearing Weight
	mm inch		mm inch		mm inch				Nm in-lb	RPM	kg lb
	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.				
MCFD 72	12.00 .472	4.00 .157	8.00 .315	44.00 1.732	2.00 .079	24.000 .9449	+0/-.021 +0/-.0008	M24x1.5	216 1,912	2,100	1.01 2.23
MCFDE 72											
MCFD 72 X											
MCFDE 72 X											
MCFD 80	15.00 .591	4.00 .157	8.00 .315	47.00 1.850	2.00 .079	30.000 1.1811	+0/-.021 +0/-.0008	M30x1.5	441 3,903	1,800	1.54 3.39
MCFDE 80											
MCFD 80 X											
MCFDE 80 X											
MCFD 90	15.00 .591	4.00 .157	8.00 .315	47.00 1.850	2.00 .079	30.000 1.1811	+0/-.021 +0/-.0008	M30x1.5	441 3,903	1,800	1.96 4.32
MCFDE 90											
MCFD 90 X											
MCFDE 90 X											