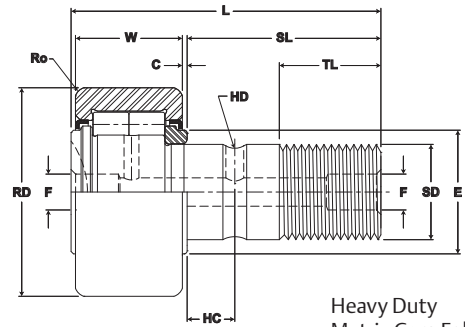


MCGILL® Heavy Duty CAMROL Bearings



- 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 / Heavy Stud
- Mounting Feature:** Slot / Hex Hole
- Dimensional Interchange:** ISO Standard



Heavy Duty Metric Cam Follower

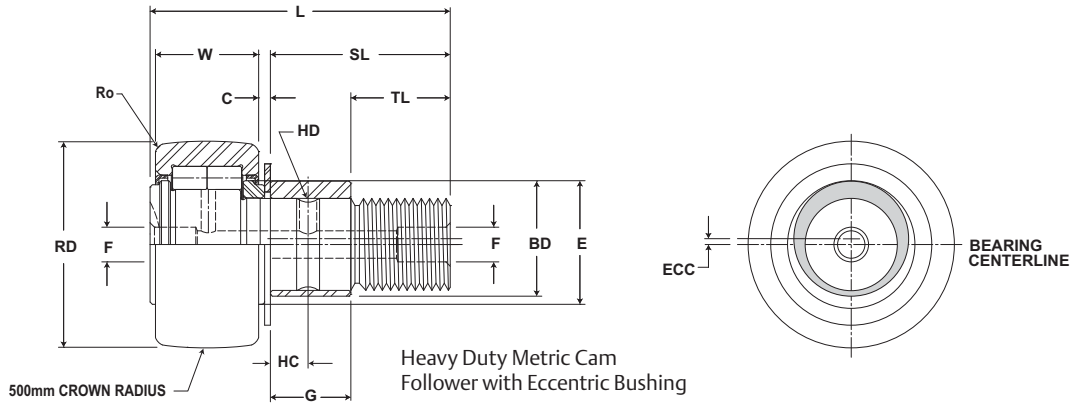
MCFD, MCFDE

| 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 | Eccentric | | | | |
| | mm inch | | mm inch | | mm inch | | mm inch | mm inch | mm inch | mm inch | Suffix MCFD-xx-X | Base Modifier MCFDE-xx | | | | |
| Nom. | Tol. | Nom. | Tol. | Nom. | Tol. | (Ref) | (Ref) | (Ref) | (Ref) | (Ref) | (Ref) | (Ref) | +05/-15 (+.002 / -.006) | See Table | N/lb | N/lb |
| MCFD 72 | 72.000 2.8346 | +0/- .050 +0/- .002 | 29.00 | +0/.12 | 24.000 | +0/- .021 | 49.50 | .80 | 25.00 | 80.00 | 500 20 | N/A | N/A | N/A | 46,000 10,342 | 57,000 12,815 |
| MCFDE 72 | | | | | | | | | | | | | | | | |
| MCFD 72 X | | +0/- .013 +0/- .0005 | 1.142 | +0/- .025 | .9449 | +0/- .0008 | 1.949 | .031 | .984 | 3.150 | Cylindrical | .04 | 0.87 | .10 | | |
| MCFDE 72 X | | | | | | | | | | | | | | | | |
| MCFD 80 | 80.000 3.1496 | +0/- .050 +0/- .002 | 35.00 | +0/.12 | 30.000 | +0/- .021 | 63.00 | 1.00 | 32.00 | 100.00 | 500 20 | N/A | N/A | N/A | 67,000 15,063 | 91,000 20,459 |
| MCFDE 80 | | | | | | | | | | | | | | | | |
| MCFD 80 X | | +0/- .015 +0/- .0006 | 1.378 | +0/- .029 | 1.1811 | +0/- .0008 | 2.480 | .039 | 1.260 | 3.937 | Cylindrical | .06 | 1.14 | .38 | | |
| MCFDE 80 X | | | | | | | | | | | | | | | | |
| MCFD 90 | 90.000 3.5433 | +0/- .050 +0/- .002 | 35.00 | +0/.12 | 30.000 | +0/- .021 | 63.00 | 1.00 | 32.00 | 100.00 | 500 20 | N/A | N/A | N/A | 67,000 15,063 | 101,000 22,707 |
| MCFDE 90 | | | | | | | | | | | | | | | | |
| MCFD 90 X | | +0/- .015 +0/- .0006 | 1.378 | +0/- .033 | 1.1811 | +0/- .0008 | 2.480 | .039 | 1.260 | 3.937 | Cylindrical | .06 | 1.14 | .38 | | |
| MCFDE 90 X | | | | | | | | | | | | | | | | |

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.

Metric 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 CAMROL Bearings **MCGILL**



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/-0.021 +0/-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/-0.021 +0/-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/-0.021 +0/-0.0008 | M30x1.5 | 441 3,903 | 1,800 | 1.96 4.32 |
| MCFDE 90 | | | | | | | | | | | |
| MCFD 90 X | | | | | | | | | | | |
| MCFDE 90 X | | | | | | | | | | | |