

McGILL® Heavy Duty CAMROL Bearings



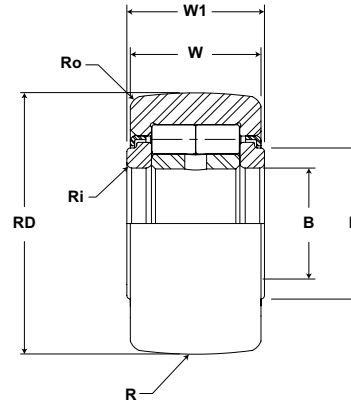
Basic Construction Type: Yoke Type Crowned / Cylindrical Outside Diameter

Rolling Elements: Full Complement Cylindrical Roller

Bearing Material: Bearing Quality Steel

Seal Type: Metallic Shield

Lubrication: Lithium Soap Grease NLGI #2



MCYRD

| Part No. | RD | | W | | B | | W1 | | R | Track Roller Dynamic Rating | Track Roller Static Rating |
|------------|-----------------|--------------------------|--------------|---------------------|---------------|-------------------------|---------------|------------------------|----------------|-----------------------------|----------------------------|
| | Roller Diameter | | Roller Width | | Bore Diameter | | Overall Width | | Cylindrical | | |
| | mm inch | | mm inch | | mm inch | | mm inch | | Suffix MCF-X | | |
| | Nom. | Tol. | Nom. | Tol. | Nom | Tol | Nom | Tol | mm inch Radius | | |
| MCYRD 15 | 35.000 | +0/- .050 +0/- .002 | 18.00 | +0/.12 +0/- .005 | 15.000 | +0/- .008 +0/- .0003 | 19.00 | +0/-0.21 +0/-0.0008 | 500 20 | 16,000 | 18,000 |
| MCYRD 15 X | 1.3780 | +0/-0.011 +0/- 0.0004 | .709 | | .5906 | | .748 | | Cylindrical | 3,597 | 4,047 |
| MCYRD 17 | 40.000 | +0/- .050 +0/- .002 | 20.00 | +0/.12 +0/- .009 | 17.000 | +0/- .008 +0/- .0003 | 21.00 | +0/-0.21 +0/-0.0008 | 500 20 | 18,000 | 22,000 |
| MCYRD 17 X | 1.5748 | +0/-0.011 +0/- 0.0004 | .787 | | .6693 | | .827 | | Cylindrical | 4,047 | 4,946 |
| MCYRD 20 | 47.000 | +0/- .050 +0/- .002 | 24.00 | +0/.12 +0/- .013 | 20.000 | +0/- .010 +0/- .0004 | 25.00 | +0/-0.21 +0/-0.0008 | 500 20 | 27,000 | 32,000 |
| MCYRD 20 X | 1.8504 | +0/-0.011 +0/- 0.0004 | .945 | | .7874 | | .984 | | Cylindrical | 6,070 | 7,194 |
| MCYRD 25 | 52.000 | +0/- .050 +0/- .002 | 24.00 | +0/.12 +0/- .017 | 25.000 | +0/- .010 +0/- .0004 | 25.00 | +0/-0.21 +0/-0.0008 | 500 20 | 30,000 | 35,000 |
| MCYRD 25 X | 2.0472 | +0/-0.013 +0/- 0.0005 | .945 | | .9843 | | .984 | | Cylindrical | 6,745 | 7,869 |
| MCYRD 30 | 62.000 | +0/- .050 +0/- .002 | 28.00 | +0/.12 +0/- .021 | 30.000 | +0/- .010 +0/- .0004 | 29.00 | +0/-0.21 +0/-0.0008 | 500 20 | 41,000 | 47,000 |
| MCYRD 30 X | 2.4409 | +0/-0.013 +0/- 0.0005 | 1.102 | | 1.1811 | | 1.142 | | Cylindrical | 9,218 | 10,567 |
| MCYRD 35 | 72.000 | +0/- .050 +0/- .002 | 28.00 | +0/.12 +0/- .025 | 35.000 | +0/- .012 +0/- .0005 | 29.00 | +0/-0.21 +0/-0.0008 | 500 20 | 46,000 | 57,000 |
| MCYRD 35 X | 2.8346 | +0/-0.013 +0/- 0.0005 | 1.102 | | 1.3780 | | 1.142 | | Cylindrical | 10,342 | 12,815 |
| MCYRD 40 | 80.000 | +0/- .050 +0/- .002 | 30.00 | +0/.12 +0/- .029 | 40.000 | +0/- .012 +0/- .0005 | 32.00 | +0/-0.25 +0/-0.009 | 500 20 | 64,000 | 71,000 |
| MCYRD 40 X | 3.1496 | +0/-0.015 +0/- 0.0006 | 1.181 | | 1.5748 | | 1.260 | | Cylindrical | 14,388 | 15,962 |
| MCYRD 45 | 85.000 | +0/- .050 +0/- .002 | 30.00 | +0/.12 +0/- .033 | 45.000 | +0/- .012 +0/- .0005 | 32.00 | +0/-0.25 +0/-0.009 | 500 20 | 67,000 | 72,000 |
| MCYRD 45 X | 3.3465 | +0/-0.015 +0/- 0.0006 | 1.181 | | 1.7717 | | 1.260 | | Cylindrical | 15,063 | 16,187 |
| MCYRD 50 | 90.000 | +0/- .050 +0/- .002 | 30.00 | +0/.12 +0/- .037 | 50.000 | +0/- .012 +0/- .0005 | 32.00 | +0/-0.25 +0/-0.009 | 500 20 | 71,000 | 77,000 |
| MCYRD 50 X | 3.5433 | +0/-0.015 +0/- 0.0006 | 1.181 | | 1.9685 | | 1.260 | | Cylindrical | 15,962 | 17,311 |

1. Standard bearing has a crowned roller outside diameter. For straight cylindrical outside roller diameter, add suffix "X". Example - MCYRD-15-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. Positive clamping across endplates required to ensure proper end play after mounting.

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**[®]



MCYRD

| E | Ro | Ri | LF | LFT | TF | TFT | LSD | WT | | | |
|----------------|------------------------|---------------------|---------------------|-----------------------------|------------------|-----------------------|-------|-------------|-------------------------|----------------|--|
| | Min. Clamping Diameter | Outer Corner Radius | Inner Corner Radius | Recommended Shaft Diameters | | | | | Limiting Speed (Grease) | Bearing Weight | |
| | | | | Loose Fit | | Light Fit | | | | | |
| | | | | mm inch | | mm inch | | | | | |
| (Ref) | (Ref) | (Ref) | Nom | Tol | Nom | Tol | RPM | kg lb | | | |
| 20.00 .787 | .60 .024 | .30 .012 | 14.994 .5903 | +0/-.011 +0/-.0004 | 15.000 .5906 | +0/-.011 +0/-.0004 | 6,500 | .10 .22 | | | |
| 22.00 .866 | 1.00 .039 | .30 .012 | 16.994 .6691 | +0/-.011 +0/-.0004 | 17.000 .6693 | +0/-.011 +0/-.0004 | 5,500 | .15 .32 | | | |
| 27.00 1.063 | 1.00 .039 | .30 .012 | 19.993 .7871 | +0/-.013 +0/-.0005 | 20.000 .7874 | +0/-.013 +0/-.0005 | 4,200 | .25 .54 | | | |
| 31.00 1.220 | 1.00 .039 | .30 .012 | 24.993 .9840 | +0/-.013 +0/-.0005 | 25.000 .9843 | +0/-.013 +0/-.0005 | 3,400 | .28 .62 | | | |
| 38.00 1.496 | 1.00 .039 | .30 .012 | 29.993 1.1808 | +0/-.013 +0/-.0005 | 30.000 1.1811 | +0/-.013 +0/-.0005 | 2,600 | .46 1.02 | | | |
| 44.00 1.732 | 1.10 .043 | .60 .024 | 34.991 1.3776 | +0/-.016 +0/-.0006 | 35.000 1.3780 | +0/-.016 +0/-.0006 | 2,100 | .63 1.39 | | | |
| 51.00 2.008 | 1.10 .043 | .60 .024 | 39.991 1.5744 | +0/-.016 +0/-.0006 | 40.000 1.5748 | +0/-.016 +0/-.0006 | 1,600 | .82 1.80 | | | |
| 55.00 2.165 | 1.10 .043 | .60 .024 | 44.991 1.7713 | +0/-.016 +0/-.0006 | 45.000 1.7717 | +0/-.016 +0/-.0006 | 1,400 | .89 1.95 | | | |
| 60.00 2.362 | 1.10 .043 | .60 .024 | 45.991 1.8107 | +0/-.016 +0/-.0006 | 50.000 1.9685 | +0/-.016 +0/-.0006 | 1,300 | .95 2.09 | | | |