

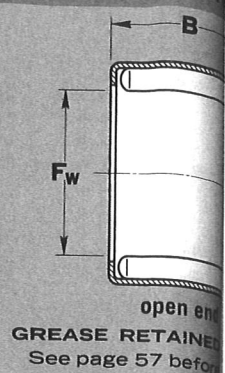
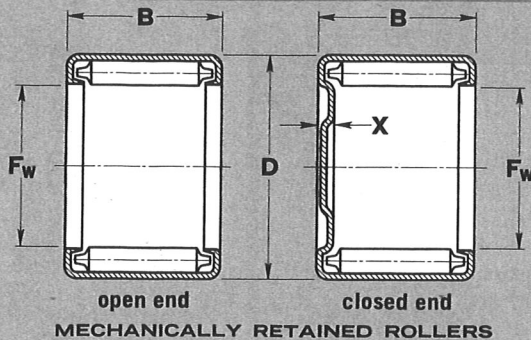
TORRINGTON

BEARING DIMENSIONS

Before ordering any bearing, check for availability.

Metric-inch conversions given are for the convenience of the user. The controlling dimensions are in millimetres for nominal metric bearings and in inches for nominal inch bearings.

FULL COMPLEMENT NEEDLE ROLLER BEARINGS



| F _w bore (nom.) | | D o.d. (nom.) | | B width +0.00 -0.25 +0.000 -0.010 | | bearing designation | | C _r basic dynamic load rating | | C ₀ basic static load rating | X end thickness (max.) | | limiting speed all full complement bearings rpm | bearing design- ation | C _r basic dynamic load rating |
|----------------------------------|--------|---------------------|--------|--|-------|---------------------|---------------|--|-------------------------|---|---------------------------------|------|--|-----------------------------|--|
| | | | | | | | | open end | closed end | | mm | inch | | | |
| mm | inch | mm | inch | mm | inch | open end | closed end | lb f | ISO R 281 lb f | lb f | mm | inch | | | lb f |
| 43 | 1.69 | 50 | 1.97 | 20 | .787 | — | — | — | — | — | — | — | — | — | — |
| 44.45 | 1 3/4 | 53.98 | 2 1/8 | 19.05 | .750 | B-2812 | M-28121 | 5620 | 7580 | 9400 | 3.0 | .12 | 3600 | — | — |
| 44.45 | 1 3/4 | 53.98 | 2 1/8 | 25.40 | 1.000 | B-2816 | M-28161 | 7880 | 10400 | 14000 | 3.0 | .12 | 3600 | Y-2816 | 8000 |
| 44.45 | 1 3/4 | 53.98 | 2 1/8 | 31.75 | 1.250 | B-2820 | — | 9590 | 13000 | 18700 | — | — | 3600 | — | — |
| 44.45 | 1 3/4 | 53.98 | 2 1/8 | 38.10 | 1.500 | B-2824 | M-28241 | 11400 | 15400 | 23300 | 3.0 | .12 | 3600 | — | — |
| 45 | 1.77 | 52 | 2.05 | 16 | .630 | F-4516 | MF-4516 | 4070 | 5490 | 7700 | 2.5 | .10 | 2680 | — | — |
| 45 | 1.77 | 52 | 2.05 | 20 | .787 | F-4520 | MF-4520 | 5220 | 7040 | 10600 | 2.5 | .10 | 2680 | — | — |
| 45 | 1.77 | 52 | 2.05 | 26 | 1.024 | F-4526 | MF-4526 | 6810 | 9200 | 14900 | 2.5 | .10 | 2680 | — | — |
| 47.62 | 1 7/8 | 57.15 | 2 1/4 | 12.70 | .500 | B-308 | M-3081 | 3500 | 4720 | 5140 | 3.0 | .12 | 3500 | — | — |
| 47.62 | 1 7/8 | 57.15 | 2 1/4 | 19.05 | .750 | B-3012 | — | 5920 | 7990 | 10100 | — | — | 3500 | Y-3012 | 6280 |
| 47.62 | 1 7/8 | 57.15 | 2 1/4 | 25.40 | 1.000 | B-3016 | M-30161 | 6080 | 10900 | 15000 | 3.0 | .12 | 3500 | — | — |
| 50 | 1.97 | 58 | 2.28 | 20 | .787 | F-5020 | MF-5020 | 5920 | 7990 | 11500 | 2.8 | .11 | 2780 | — | — |
| 50 | 1.97 | 58 | 2.28 | 24 | .945 | F-5024 | MF-5024 | 7180 | 9700 | 14700 | 2.8 | .11 | 2780 | — | — |
| 50.80 | 2 | 60.32 | 2 3/8 | 12.70 | .500 | B-328 | M-3281 | 3570 | 4810 | 5390 | 3.0 | .12 | 3300 | — | — |
| 50.80 | 2 | 60.32 | 2 3/8 | 25.40 | 1.000 | B-3216 | M-32161 | 6300 | 11200 | 15900 | 3.0 | .12 | 3300 | Y-3216 | 8550 |
| 50.80 | 2 | 60.32 | 2 3/8 | 31.75 | 1.250 | B-3220 | M-32201 | 10400 | 14000 | 21200 | 3.0 | .12 | 3300 | — | — |
| 50.80 | 2 | 60.32 | 2 3/8 | 38.10 | 1.500 | B-3224 | M-32241 | 12300 | 16600 | 26400 | 3.0 | .12 | 3300 | — | — |
| 50.80 | 2 | 60.32 | 2 3/8 | 44.45 | 1.750 | B-3228 | M-32281 | 14200 | 19100 | 31700 | 3.0 | .12 | 3300 | — | — |
| 52.39 | 2 1/16 | 64.29 | 2 7/32 | 19.05 | .750 | BH-3312 | — | 6580 | 8890 | 10100 | — | — | 4000 | — | — |
| 52.39 | 2 1/16 | 64.29 | 2 7/32 | 25.40 | 1.000 | BH-3316 | MH-33161 | 9240 | 12500 | 15600 | 3.6 | .14 | 4000 | — | — |
| 52.39 | 2 1/16 | 64.29 | 2 7/32 | 38.10 | 1.500 | BH-3324 | MH-33241 | 14000 | 18900 | 26700 | 3.6 | .14 | 4000 | — | — |
| 53.98 | 2 1/8 | 63.50 | 2 1/2 | 12.70 | .500 | B-348 | — | 3660 | 4950 | 5700 | — | — | 3000 | — | — |
| 53.98 | 2 1/8 | 63.50 | 2 1/2 | 25.40 | 1.000 | B-3416 | M-34161 | 8510 | 11500 | 16800 | 3.0 | .12 | 3000 | — | — |
| 53.98 | 2 1/8 | 63.50 | 2 1/2 | 31.75 | 1.250 | B-3420 | M-34201 | 10600 | 14400 | 22400 | 3.0 | .12 | 3000 | — | — |
| 53.98 | 2 1/8 | 63.50 | 2 1/2 | 38.10 | 1.500 | B-3424 | M-34241 | 12600 | 17100 | 28000 | 3.0 | .12 | 3000 | — | — |
| 55 | 2.17 | 63 | 2.48 | 20 | .787 | F-5520 | MF-5520 | 6210 | 8390 | 12600 | 2.8 | .11 | 2500 | — | — |
| 55 | 2.17 | 63 | 2.48 | 24 | .945 | F-5524 | MF-5524 | 7530 | 10200 | 16100 | 2.8 | .11 | 2500 | — | — |



Load ratings are given in pounds-force: 1 lbf = 0.454 kgf = 4.448 N

Required Basic Dynamic Load Rating (C_r) = Applied Load • SF • LF • HF (see page 52).

Aircraft Static Capacity = 1.6 C₀