

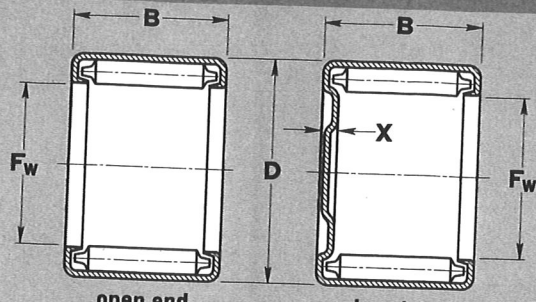
# TORRINGTON

## 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.

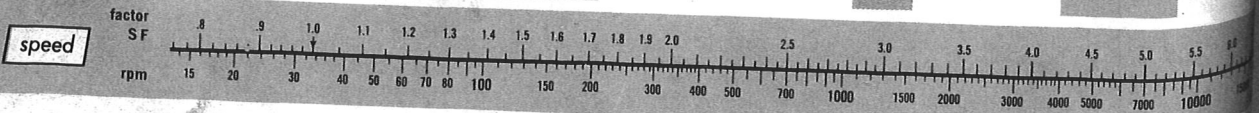
## FULL COMPLEMENT NEEDLE ROLLER BEARING



open end closed end  
MECHANICALLY RETAINED ROLLERS

open end  
GREASE RETAINED  
See page 57 before

F <sub>w</sub> bore (nom.)		D o.d. (nom.)		B width +0.00 -0.25 -0.010		bearing designation		C <sub>r</sub> basic dynamic load rating		C <sub>0</sub> basic static load rating	X end thickness (max.)		limiting speed all full complement bearings rpm	bearing design- nation	C <sub>r</sub> basic dyn load rat lb
mm	inch	mm	inch	mm	inch	open end	closed end	lb	ISO R 281 lb	lb	mm	inch			
32	1.26	39	1.54	10	.394	F-3210	MF-3210	1800	2430	2430	2.5	.10	3600	—	—
33.34	1 1/8	41.28	1 5/8	12.70	.500	B-218	M-2181	2710	3670	3840	2.8	.11	4000	—	—
33.34	1 1/8	41.28	1 5/8	15.88	.625	B-2110	M-21101	3630	4900	5590	2.8	.11	4000	—	—
34.92	1 3/8	41.28	1 5/8	12.70	.500	B-228	M-2281	2780	3760	4580	2.3	.09	3200	Y-228	2840
34.92	1 3/8	41.28	1 5/8	19.05	.750	B-2212	M-22121	4370	5900	8190	2.3	.09	3200	Y-2212	4320
34.92	1 3/8	41.28	1 5/8	25.40	1.000	B-2216	M-22161	5810	7850	11800	2.3	.09	3200	—	—
34.92	1 3/8	41.28	1 5/8	31.75	1.250	B-2220	M-22201	7140	9650	15400	2.3	.09	3200	Y-2220	6940
34.92	1 3/8	44.45	1 3/4	12.70	.500	BH-228	—	2970	4000	3870	—	—	4700	—	—
34.92	1 3/8	44.45	1 3/4	15.88	.625	BH-2210	—	4040	5440	5740	—	—	4700	—	—
34.92	1 3/8	44.45	1 3/4	19.05	.750	BH-2212	MH-22121	5020	6800	7600	3.0	.12	4700	—	—
34.92	1 3/8	44.45	1 3/4	25.40	1.000	BH-2216	MH-22161	6850	9270	11300	3.0	.12	4700	YH-2216	7320
34.92	1 3/8	44.45	1 3/4	31.75	1.250	BH-2220	—	8550	11600	15100	—	—	4700	—	—
35	1.38	42	1.65	12	.472	F-3512	MF-3512	2490	3380	3790	2.5	.10	3410	—	—
35	1.38	42	1.65	16	.630	F-3516	MF-3516	3600	4860	6080	2.5	.10	3410	—	—
35	1.38	42	1.65	20	.787	F-3520	MF-3520	4620	6230	8370	2.5	.10	3410	—	—
35	1.38	42	1.65	26	1.024	F-3526	MF-3526	6030	8140	11800	2.5	.10	3410	—	—
38.10	1 1/2	47.62	1 7/8	9.52	.375	—	—	—	—	—	—	—	4300	Y-246	2280
38.10	1 1/2	47.62	1 7/8	12.70	.500	B-248	M-2481	3100	4180	4180	3.0	.12	4300	Y-248	3480
38.10	1 1/2	47.62	1 7/8	15.88	.625	B-2410	M-24101	4220	5690	6200	3.0	.12	4300	—	—
38.10	1 1/2	47.62	1 7/8	19.05	.750	B-2412	M-24121	5250	7090	8220	3.0	.12	4300	—	—
38.10	1 1/2	47.62	1 7/8	22.22	.875	B-2414	M-24141	6230	8410	10200	3.0	.12	4300	—	—
38.10	1 1/2	47.62	1 7/8	25.40	1.000	B-2416	M-24161	7170	9680	12300	3.0	.12	4300	Y-2414	6540
38.10	1 1/2	47.62	1 7/8	31.75	1.250	B-2420	M-24201	8940	12100	16300	3.0	.12	4300	Y-2416	7460
40	1.57	47	1.85	16	.630	F-4016	MF-4016	3840	5180	6880	2.5	.10	3000	—	—
40	1.57	47	1.85	20	.787	F-4020	MF-4020	4920	6640	9480	2.5	.10	3000	—	—
40	1.57	47	1.85	26	1.024	F-4026	MF-4026	6430	8680	13400	2.5	.10	3000	—	—
41.28	1 5/8	50.80	2	12.70	.500	B-268	—	3190	4320	4440	—	—	3900	—	—
41.28	1 5/8	50.80	2	15.88	.625	B-2610	M-26101	4350	5870	6620	3.0	.12	3900	Y-2610	4700
41.28	1 5/8	50.80	2	25.40	1.000	B-2616	—	7410	10000	13100	—	—	3900	—	—
41.28	1 5/8	50.80	2	31.75	1.250	B-2620	M-26201	9260	12500	17500	3.0	.12	3900	—	—



Load ratings are given in pounds-force: 1 lbf = 0.454 kgf = 4.448 N  
 Required Basic Dynamic Load Rating (C<sub>r</sub>) = Applied Load • SF • LF • HF (see page 52)  
 Aircraft Static Capacity = 1.6 C<sub>r</sub>  
 Symbol denotes Torrington Basic Dynamic Load Rating which should be used in load-life calculations. Applications involving dynamic loads approaching these ratings should be referred to our Engineering Department before final selection is made.