

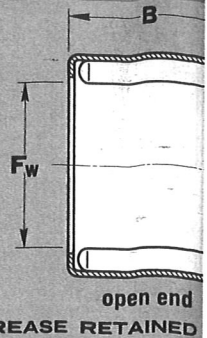
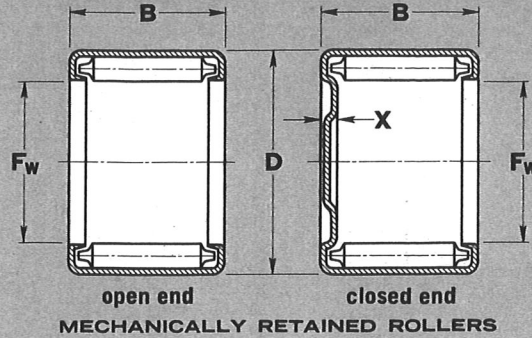
TORRINGTON

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.

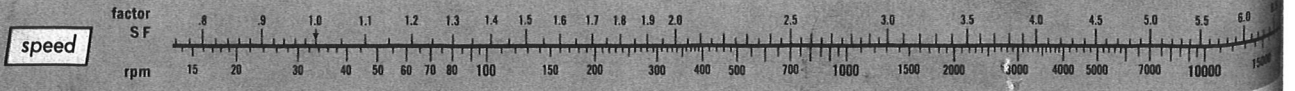
FULL COMPLEMENT NEEDLE ROLLER BEARING



MECHANICALLY RETAINED ROLLERS

GREASE RETAINED
See page 57 before

F_w bore (nom.)		D o.d. (nom.)		B width		bearing designation		C_r basic dynamic load rating		C₀ basic static load rating	X end thickness (max.)		limiting speed all full complement bearings rpm	bearing designa- tion	C_r basic dyna load rating
mm	inch	mm	inch	mm	inch	open end	closed end	T lbf	ISO R 281 lbf	lbf	mm	inch			lbf
26,99	1 1/8	33,34	1 1/8	15,88	.625	B-1710	M-17101	3140	4230	5020	2,3	.09	4000	—	—
28	1.10	35	1.38	12	.472	F-2812	MF-2812	2200	2970	3080	2,5	.10	4170	—	—
28	1.10	35	1.38	16	.630	F-2816	MF-2816	3180	4300	4940	2,5	.10	4170	—	—
28	1.10	35	1.38	20	.787	F-2820	MF-2820	4070	5490	6800	2,5	.10	4170	FY-2820	4390
28	1.10	35	1.38	26	1.024	F-2826	MF-2826	5320	7200	9590	2,5	.10	4170	—	—
28,58	1 1/8	34,92	1 3/8	9,52	.375	B-186	M-1861	1690	2300	2300	2,3	.09	3800	—	—
28,58	1 1/8	34,92	1 3/8	12,70	.500	B-188	M-1881	2500	3380	3800	2,3	.09	3800	Y-188	2640
28,58	1 1/8	34,92	1 3/8	19,05	.750	B-1812	M-18121	3930	5310	6790	2,3	.09	3800	Y-1812	3990
28,58	1 1/8	34,92	1 3/8	25,40	1.000	B-1816	M-18161	5220	7040	9790	2,3	.09	3800	Y-1816	5230
28,58	1 1/8	38,10	1 1/2	19,05	.750	BH-1812	MH-18121	4470	6050	6340	3,0	.12	5500	—	—
28,58	1 1/8	38,10	1 1/2	25,40	1.000	BH-1816	MH-18161	6100	8230	9460	3,0	.12	5500	—	—
28,58	1 1/8	38,10	1 1/2	28,58	1.125	BH-1818	—	6950	9380	11400	—	—	5500	—	—
28,58	1 1/8	38,10	1 1/2	31,75	1.250	BH-1820	MH-18201	7620	10300	12600	3,0	.12	5500	—	—
30	1.18	37	1.46	14	.551	F-3014	MF-3014	2820	3800	4280	2,5	.10	3950	—	—
30	1.18	37	1.46	16	.630	F-3016	MF-3016	3310	4480	5270	2,5	.10	3950	—	—
30	1.18	37	1.46	20	.787	F-3020	MF-3020	4250	5740	7260	2,5	.10	3950	—	—
30	1.18	37	1.46	26	1.024	F-3026	MF-3026	5550	7490	10200	2,5	.10	3950	—	—
30,16	1 3/16	38,10	1 1/2	15,88	.625	B-1910	M-19101	3430	4640	5100	2,3	.11	4400	Y-1910	3830
30,16	1 3/16	38,10	1 1/2	25,40	1.000	B-1916	—	5740	7760	9900	—	—	4400	—	—
31,75	1 1/4	38,10	1 1/2	12,70	.500	B-208	M-2081	2650	3580	4190	2,3	.09	3500	—	—
31,75	1 1/4	38,10	1 1/2	15,88	.625	B-2010	M-20101	3430	4640	5840	2,3	.09	3500	Y-2010	3540
31,75	1 1/4	38,10	1 1/2	19,05	.750	B-2012	M-20121	4160	5620	7490	2,3	.09	3500	Y-2012	4240
31,75	1 1/4	38,10	1 1/2	25,40	1.000	B-2016	M-20161	5530	7470	10800	2,3	.09	3500	Y-2016	5560
31,75	1 1/4	38,10	1 1/2	28,58	1.125	—	—	—	—	—	—	—	3500	Y-2018	6180
31,75	1 1/4	38,10	1 1/2	31,75	1.250	B-2020	M-20201	6800	9180	14100	2,3	.09	3500	Y-2020	6800
31,75	1 1/4	41,28	1 5/8	12,70	.500	BH-208	MH-2081	2720	3670	3430	3,0	.12	5000	—	—
31,75	1 1/4	41,28	1 5/8	19,05	.750	BH-2012	MH-20121	4680	6320	6920	3,0	.12	5000	—	—
31,75	1 1/4	41,28	1 5/8	25,40	1.000	BH-2016	MH-20161	6400	8640	10300	3,0	.12	5000	—	—
31,75	1 1/4	41,28	1 5/8	31,75	1.250	BH-2020	MH-20201	8010	10800	13800	3,0	.12	5000	—	—



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

72 **T** 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.