

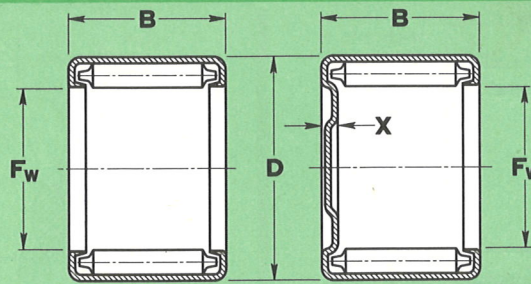
TORRINGTON

BEARING DIMENSIONS

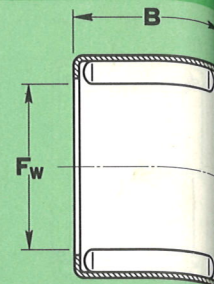
Before ordering any bearing, check for availability.

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 ROLLERS
See page 57 before ordering

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 designa- tion	C _r basic dynamic load rating	
								open end T lbf	closed end ISO R 281 lbf	lbf	mm	inch			T lbf	ISO R 281 lbf
9.52	3/8	14.29	1/2	6.35	.250	—	—	—	—	—	—	—	7100	Y-64	545	7100
9.52	3/8	14.29	1/2	7.92	.312	B-65	M-651	637	862	674	2.0	.08	7100	—	—	—
9.52	3/8	14.29	1/2	9.52	.375	B-66	M-661	826	1120	941	2.0	.08	7100	Y-66	926	1210
9.52	3/8	14.29	1/2	11.13	.438	B-67	—	1000	1360	1210	—	—	7100	Y-67	1100	1410
9.52	3/8	14.29	1/2	12.70	.500	B-68	M-681	1180	1580	1480	2.0	.08	7100	Y-68	1270	1710
9.52	3/8	14.29	1/2	14.27	.562	B-69	—	1340	1810	1750	—	—	7100	—	—	—
9.52	3/8	14.29	1/2	15.88	.625	B-610	M-6101	1500	2020	2020	2.0	.08	7100	Y-610	1580	2110
9.52	3/8	15.88	5/8	12.70	.500	BH-68	MH-681	1330	1800	1460	2.3	.09	9400	—	—	—
10	.39	14	.55	10	.394	—	—	—	—	—	—	—	—	—	—	—
10	.39	16	.63	10	.394	FH-1010	MFH-1010	1000	1350	1020	1.9	.07	8800	—	—	—
11.11	7/16	15.88	5/8	9.52	.375	B-76	—	901	1220	1080	—	—	6300	—	—	—
11.11	7/16	15.88	5/8	11.13	.438	B-77	—	1100	1480	1380	—	—	6300	—	—	—
11.11	7/16	15.88	5/8	12.70	.500	B-78	M-781	1280	1730	1690	2.0	.08	6300	Y-78	1380	1910
11.11	7/16	15.88	5/8	15.88	.625	B-710	—	1630	2180	2300	—	—	6300	—	—	—
11.11	7/16	17.46	11/16	12.70	.500	BH-78	MH-781	1470	1980	1660	2.3	.09	8300	YH-78	1540	2010
12	.47	16	.63	10	.394	—	—	—	—	—	—	—	—	—	—	—
12	.47	18	.71	12	.472	FH-1212	MFH-1212	1410	1900	1610	1.9	.07	7500	—	—	—
12.70	1/2	17.46	11/16	6.35	.250	—	—	—	—	—	—	—	5500	Y-84	639	810
12.70	1/2	17.46	11/16	7.92	.312	B-85	M-851	748	1010	867	2.0	.08	5500	Y-85	872	1110
12.70	1/2	17.46	11/16	9.52	.375	B-86	M-861	968	1310	1210	2.0	.08	5500	Y-86	1080	1410
12.70	1/2	17.46	11/16	11.13	.438	B-87	M-871	1180	1590	1560	2.0	.08	5500	Y-87	1290	1710
12.70	1/2	17.46	11/16	12.70	.500	B-88	M-881	1380	1860	1900	2.0	.08	5500	Y-88	1480	2010
12.70	1/2	17.46	11/16	15.88	.625	B-810	M-8101	1750	2360	2590	2.0	.08	5500	Y-810	1850	2510
12.70	1/2	17.46	11/16	19.05	.750	B-812	M-8121	2100	2840	3280	2.0	.08	5500	Y-812	2200	2910
12.70	1/2	19.05	3/4	11.13	.438	BH-87	—	1340	1810	1480	—	—	7500	—	—	—
12.70	1/2	19.05	3/4	12.70	.500	BH-88	MH-881	1590	2150	1850	2.3	.09	7500	—	—	—
12.70	1/2	19.05	3/4	15.88	.625	BH-810	MH-8101	2060	2790	2580	2.3	.09	7500	YH-810	2120	2810
12.70	1/2	19.05	3/4	19.05	.750	BH-812	MH-8121	2510	3380	3310	2.3	.09	7500	—	—	—

speed

factor
SF
rpm



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