

# TORRINGTON

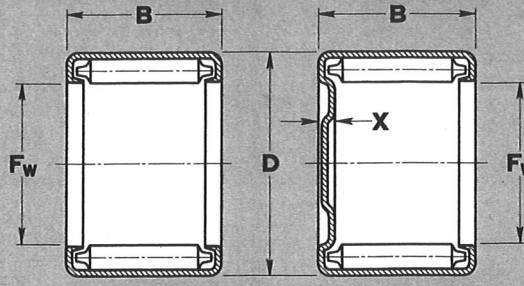
## BEARING DIMENSIONS

Before ordering any bearing, check for availability.

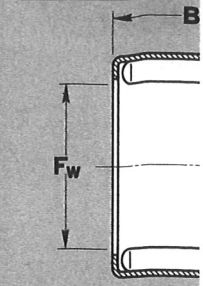
Metric-inch conversions given are for the convenience of the user. The controlling dimensions are in millimetres for nominal metric bearings and in inches for nominal inch bearings.



## FULL COMPLEMENT NEEDLE ROLLER BEARING

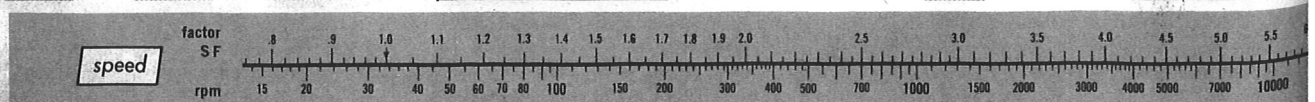


open end closed end  
MECHANICALLY RETAINED ROLLERS



open end  
GREASE RETENTION  
See page 57 for details

F <sub>w</sub> bore (nom.)		D o.d. (nom.)		B width +0.00 +0.000 -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 designa- tion	basic load rating
mm	inch	mm	inch	mm	inch	open end	closed end	 lbf	ISO R 281 lbf	lbf	mm	inch			 lbf
17	.67	23	.91	12	.472	F-1712	MF-1712	1670	2250	2130	1.8	.07	5780	FY-1712	1870
17	.67	23	.91	16	.630	F-1716	MF-1716	2350	3170	3300	1.8	.07	5780	—	—
17	.67	23	.91	20	.787	F-1720	MF-1720	2970	4030	4470	1.8	.07	5780	—	—
17.46	1/16	22.22	7/8	6.35	.250	—	—	—	—	—	—	—	4200	Y-114	1080
17.46	1/16	22.22	7/8	9.52	.375	B-116	M-1161	1160	1560	1610	2.0	.08	4200	Y-116	1290
17.46	1/16	22.22	7/8	12.70	.500	B-118	M-1181	1640	2220	2530	2.0	.08	4200	—	—
17.46	1/16	22.22	7/8	15.88	.625	B-1110	M-11101	2090	2810	3450	2.0	.08	4200	—	—
17.46	1/16	22.22	7/8	19.05	.750	B-1112	M-11121	2510	3400	4370	2.0	.08	4200	Y-1112	2630
17.46	1/16	23.81	15/16	11.13	.438	BH-117	—	1600	2170	1950	—	—	5700	—	—
17.46	1/16	23.81	15/16	12.70	.500	BH-118	—	1910	2560	2440	—	—	5700	—	—
17.46	1/16	23.81	15/16	15.88	.625	BH-1110	MH-11101	2470	3330	3400	2.3	.09	5700	—	—
17.46	1/16	23.81	15/16	19.05	.750	BH-1112	—	3000	4050	4360	—	—	5700	—	—
18	.71	24	.94	12	.472	F-1812	MF-1812	1630	2200	2200	2.2	.09	5000	—	—
18	.71	24	.94	16	.630	F-1816	MF-1816	2290	3080	3420	2.2	.09	5000	FY-1816	2470
19.05	3/4	25.40	1	6.35	.250	—	—	—	—	—	—	—	5500	Y-124	800
19.05	3/4	25.40	1	9.52	.375	B-126	M-1261	1350	1830	1600	2.3	.09	5500	—	—
19.05	3/4	25.40	1	12.70	.500	B-128	M-1281	2000	2700	2630	2.3	.09	5500	Y-128	2120
19.05	3/4	25.40	1	15.88	.625	B-1210	M-12101	2590	3490	3670	2.3	.09	5500	Y-1210	2690
19.05	3/4	25.40	1	19.05	.750	B-1212	M-12121	3140	4250	4700	2.3	.09	5500	Y-1212	3220
19.05	3/4	26.99	1 1/16	19.05	.750	—	—	—	—	—	—	—	—	—	—
20	.79	26	1.02	12	.472	F-2012	MF-2012	1720	2340	2430	2.2	.09	4550	—	—
20	.79	26	1.02	16	.630	F-2016	MF-2016	2430	3280	3770	2.2	.09	4550	—	—
20	.79	26	1.02	20	.787	F-2020	MF-2020	3080	4160	5110	2.2	.09	4550	—	—
20.64	13/16	26.99	1 1/16	9.52	.375	B-136	—	1410	1910	1710	—	—	5200	Y-136	1580
20.64	13/16	26.99	1 1/16	12.70	.500	B-138	M-1381	2090	2810	2820	2.3	.09	5200	Y-138	2220
20.64	13/16	26.99	1 1/16	22.22	.875	B-1314	M-13141	3830	5180	6160	2.3	.09	5200	—	—
20.64	13/16	26.99	1 1/16	25.40	1.000	B-1316	M-13161	4360	5900	7280	2.3	.09	5200	—	—
20.64	13/16	28.58	1 1/8	12.70	.500	BH-138	MH-1381	2080	2810	2500	2.8	.11	6200	—	—
20.64	13/16	28.58	1 1/8	15.88	.625	BH-1310	MH-13101	2800	3780	3640	2.8	.11	6200	YH-1310	3080
20.64	13/16	28.58	1 1/8	19.05	.750	BH-1312	MH-13121	3460	4680	4780	2.8	.11	6200	YH-1312	3720



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

68 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.