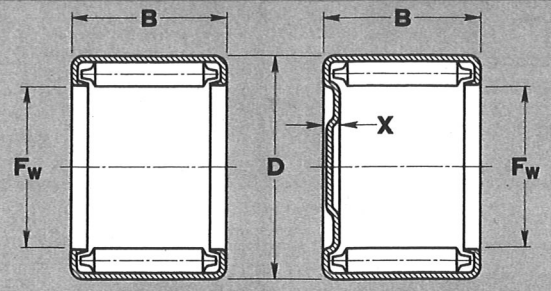
BEARING DIMENSIONS

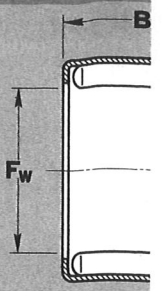
FULL COMPLEMENT NEEDLE ROLLER BEA

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.



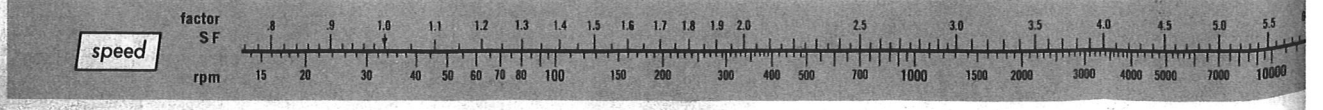
MECHANICALLY RETAINED ROLLERS



GREASE RETAI

See page 57 be

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_o basic static load rating	X end thickness (max.)		limiting speed all full complement bearings	bearing designation	basic loa
						open end	closed end	T	ISO R 281						
mm	inch	mm	inch	mm	inch			lbf	lbf	lbf	mm	inch	rpm		lbf
17	.67	23	.91	12	.472	F-1712	MF-1712	1670	2250	2130	1,8	.07	5780	FY-1712	187(
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	11/16	22,22	7/8	6,35	.250	—	—	—	—	—	—	—	4200	Y-114	108(
17,46	11/16	22,22	7/8	9,52	.375	B-116	M-1161	1160	1560	1610	2,0	.08	4200	Y-116	129(
17,46	11/16	22,22	7/8	12,70	.500	B-118	M-1181	1640	2220	2530	2,0	.08	4200	—	—
17,46	11/16	22,22	7/8	15,88	.625	B-1110	M-11101	2090	2810	3450	2,0	.08	4200	—	—
17,46	11/16	22,22	7/8	19,05	.750	B-1112	M-11121	2510	3400	4370	2,0	.08	4200	Y-1112	263(
17,46	11/16	23,81	15/16	11,13	.438	BH-117	—	1600	2170	1950	—	—	5700	—	—
17,46	11/16	23,81	15/16	12,70	.500	BH-118	—	1910	2560	2440	—	—	5700	—	—
17,46	11/16	23,81	15/16	15,88	.625	BH-1110	MH-11101	2470	3330	3400	2,3	.09	5700	—	—
17,46	11/16	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	247(
19,05	3/4	25,40	1	6,35	.250	—	—	—	—	—	—	—	5500	Y-124	809
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	212(
19,05	3/4	25,40	1	15,88	.625	B-1210	M-12101	2590	3490	3670	2,3	.09	5500	Y-1210	269(
19,05	3/4	25,40	1	19,05	.750	B-1212	M-12121	3140	4250	4700	2,3	.09	5500	Y-1212	322(
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_r) = Applied Load • SF • LF • HF (see page 52). Aircraft Static Capacity = 1.6 C_r

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.