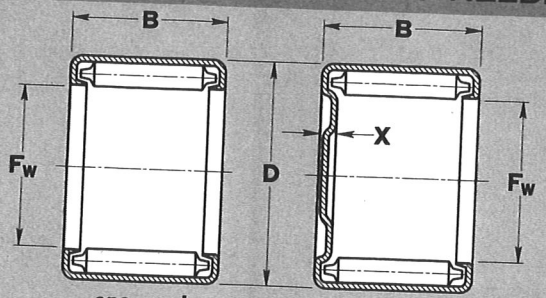
BEARING DIMENSIONS

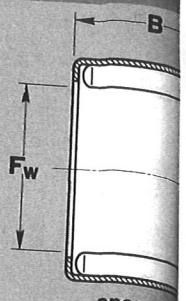
FULL COMPLEMENT NEEDLE ROLLER BEAR

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

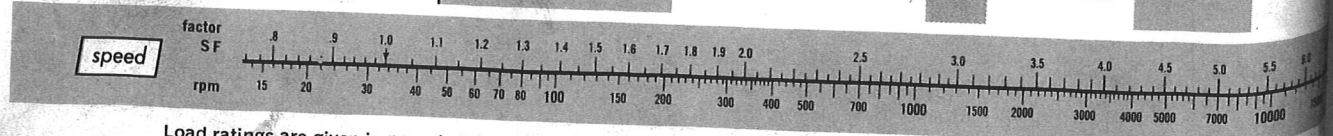


open en

GREASE RETAINE

See page 57 befo

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	C_r basic dyn load ra
mm	inch	mm	inch	mm	inch	open end	closed end	T lbf	ISO R 281 lbf	lbf	mm	inch	rpm		T lbf
32	1.26	39	1.54	10	.394	F-3210	MF-3210	1800	2430	2430	2,5	.10	3600	—	—
33,34	1 5/16	41,28	1 5/8	12,70	.500	B-218	M-2181	2710	3670	3840	2,8	.11	4000	—	—
33,34	1 5/16	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	Y-2414	6540
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-2416	7460
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-2420	9220
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_r) = Applied Load • SF • LF • HF (see page 52). Aircraft Static Capacity = 1.6 C_o

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.