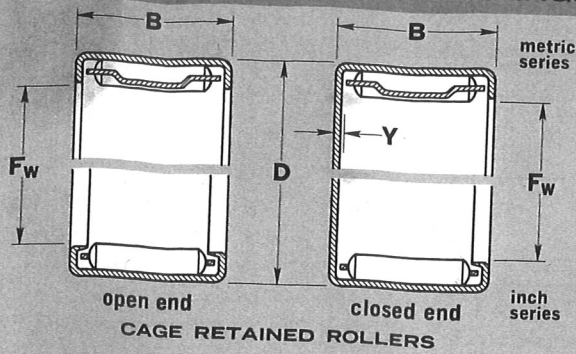
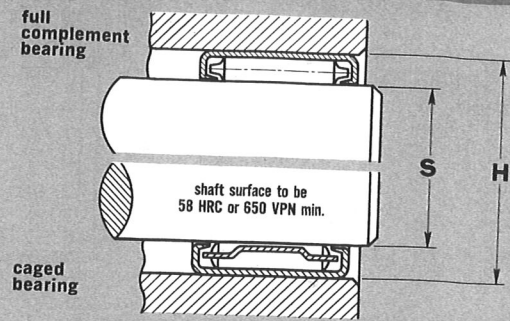


DRAWN CUP BEARINGS

CAGED NEEDLE ROLLER BEARINGS

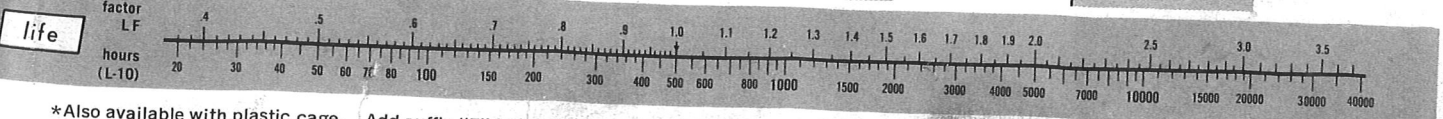


DIMENSIONS FOR BEARING MOUNTING



See page 59 for mounting procedure

bearing designation		C_r basic dynamic load rating		C₀ basic static load rating	Y end thickness (max.)		limiting speed caged bearings only rpm	S shaft raceway diameter		H housing bore			
open end	closed end	ISO R 281 lbf	ISO R 281 lbf	lbf	mm	inch		millimetres max. min.	inches max. min.	millimetres min. max.	inches min. max.		
FJ-2212	MFJ-2212	1200	1450	1320	1.0	.04	15000	22,000 21,987	.8661 .8656	27,972 27,993	1.1013 1.1021		
FJ-2216	MFJ-2216	1800	2160	2210	1.0	.04	15000	22,000 21,987	.8661 .8656	27,972 27,993	1.1013 1.1021		
FJ-2220	MFJ-2220	2350	2810	3100	1.0	.04	15000	22,000 21,987	.8661 .8656	27,972 27,993	1.1013 1.1021		
J-146	—	868	1040	786	—	—	14000	22,225 22,212	.8750 .8745	28,562 28,587	1.1245 1.1255		
J-148	—	1480	1770	1550	—	—	14000	22,225 22,212	.8750 .8745	28,562 28,587	1.1245 1.1255		
J-1412*	—	2470	2970	3020	—	—	14000	22,225 22,212	.8750 .8745	28,562 28,587	1.1245 1.1255		
J-1416*	MJ-14161*	3440	4140	4610	1.0	.04	14000	22,225 22,212	.8750 .8745	28,562 28,587	1.1245 1.1255		
—	—	—	—	—	—	—	—	22,225 22,212	.8750 .8745	28,562 28,587	1.1245 1.1255		
JH-1412	MJH-14121	2620	3150	2910	1.3	.05	15000	22,225 22,212	.8750 .8745	30,150 30,175	1.1870 1.1880		
JH-1416	MJH-14161	3680	4430	4500	1.3	.05	15000	22,225 22,212	.8750 .8745	30,150 30,175	1.1870 1.1880		
—	—	—	—	—	—	—	—	23,812 23,799	.9375 .9370	30,150 30,175	1.1870 1.1880		
—	—	—	—	—	—	—	—	23,812 23,799	.9375 .9370	30,150 30,175	1.1870 1.1880		
—	—	—	—	—	—	—	—	24,000 23,987	.9449 .9444	31,967 31,992	1.2585 1.2595		
FJ-2516	MFJ-2516	2150	2590	2450	1.0	.04	13000	25,000 24,987	.9843 .9838	31,967 31,992	1.2585 1.2595		
FJ-2520	MFJ-2520	2830	3400	3500	1.0	.04	13000	25,000 24,987	.9843 .9838	31,967 31,992	1.2585 1.2595		
FJ-2526	MFJ-2526	3780	4540	5080	1.0	.04	13000	25,000 24,987	.9843 .9838	31,967 31,992	1.2585 1.2595		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	31,737 31,762	1.2495 1.2505		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	31,737 31,762	1.2495 1.2505		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	31,737 31,762	1.2495 1.2505		
J-1612*	—	2620	3150	3320	—	—	12000	25,400 25,387	1.0000 .9995	31,737 31,762	1.2495 1.2505		
J-1616*	MJ-16161*	3640	4360	5080	1.0	.04	12000	25,400 25,387	1.0000 .9995	31,737 31,762	1.2495 1.2505		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	31,737 31,762	1.2495 1.2505		
JH-1612	MJH-16121	2960	3550	3460	1.3	.05	13000	25,400 25,387	1.0000 .9995	33,325 33,350	1.3120 1.3130		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	33,325 33,350	1.3120 1.3130		
JH-1616	MJH-16161	3990	4790	5100	1.3	.05	13000	25,400 25,387	1.0000 .9995	33,325 33,350	1.3120 1.3130		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	33,325 33,350	1.3120 1.3130		
—	—	—	—	—	—	—	—	25,400 25,387	1.0000 .9995	33,325 33,350	1.3120 1.3130		



*Also available with plastic cage. Add suffix "F" to bearing number to specify. For example: FJ-1212-F
Consult the Torrington Engineering Department for the mass of any bearing (formerly denoted as "bearing weight").

MOUNTING — mounting dimensions above are based on the inner ring rotating and the outer ring being stationary relative to the load. The housing should be of high strength material. See pp. 54-55 for discussion of shaft and housing design.