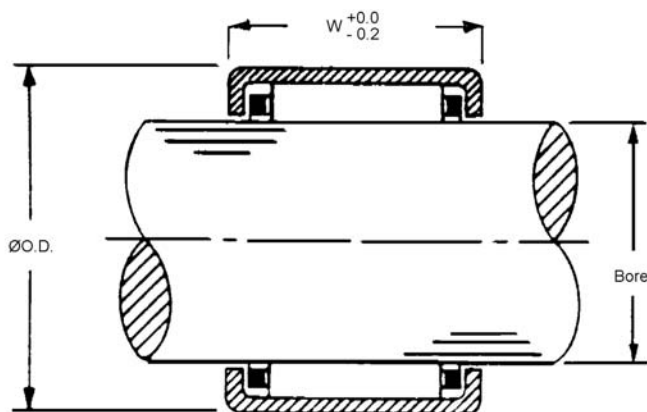


Bearings - Needle Roller



L1850



Material

Roller cup - case hardened steel.
Needle rollers - hardened steel DIN 1,3505.
Bearing cage - low carbon steel.

Technical Notes

Extremely high speed.
High load capacity.
Low profile, light weight caged.
Caged needle bearings offer up to 3 times the speed of uncaged designs.
Extremely low rolling friction.
High lubrication capacity.
Low sensitivity to misalignment.
Needles have high length to diameter ratios.

For use with hardened shafts.

Mounting tolerances:

Housing:N7
Shaft:h6

Tips

* represents maximum rpm of bearing submerged in oil.

Order No	Bore	O.D.	Housing Bore	W	Max* Speed rpm	Max. dyn load (N)	Max. stat load (N)
L1850.003	3	6,5	6,481-6,496	6,0	48,000	1230	840
L1850.004	4	8,0	7,981-7,996	8,0	43,000	1740	1270
L1850.005	5	9,0	8,981-8,996	9,0	39,000	2400	1990
L1850.006	6	10,0	9,981-9,996	9,0	37,000	2850	2600
L1850.007	7	11,0	10,977-10,995	9,0	33,000	3100	2950
L1850.008	8	12,0	11,977-11,995	10,0	29,000	3800	3950
L1850.009	9	13,0	12,977-12,995	10,0	27,000	4250	4650
L1850.010	10	14,0	13,977-13,995	10,0	24,000	4400	5100
L1850.012	12	16,0	15,977-15,995	10,0	21,000	4950	6200
L1850.013	13	19,0	18,972-18,993	12,0	19,000	6800	7900
L1850.014	14	20,0	19,972-19,993	12,0	18,000	7100	8500
L1850.015	15	21,0	20,972-20,993	12,0	16,000	7900	9400
L1850.016	16	22,0	21,972-21,993	12,0	16,000	7600	9700
L1850.017	17	23,0	22,972-22,993	12,0	15,000	7900	10300
L1850.018	18	24,0	23,972-23,993	12,0	14,000	8100	10900
L1850.020	20	26,0	25,972-25,993	12,0	13,000	8600	12100
L1850.022	22	28,0	27,972-27,993	12,0	12,000	9100	13400
L1850.025	25	32,0	31,967-31,992	12,0	10,000	11000	15200

