



L1773.30

Material

Stainless steel AISI 303 (1.4305, X10CrNiS18-19), surface finish 0.3-0.6μ Ra, ground and polished to 8-12 cla. 1% Yield strength (Rp1.0): >=225 N/mm², Tensile strength (Rm): 500-750 N/mm².

Technical Notes

Tolerance, h6 standard, other tolerances

on request.
Straightness 0,1mm/m.

Tips

Modifications, drilled and tapped holes, circlip grooves, special coatings etc. available.

Shafts lengths are cut to typically ± 2mm. To be used with ceramic or other bearings

not containing hardened ball bearings.

Order No.	d_1	I_1	Tolerance µ
			tol. h6
L1773.30-0100	30	100	+0,-13
L1773.30-0150	30	150	+0,-13
L1773.30-0200	30	200	+0,-13
L1773.30-0250	30	250	+0,-13
L1773.30-0300	30	300	+0,-13
L1773.30-0350	30	350	+0,-13
L1773.30-0400	30	400	+0,-13
L1773.30-0450	30	450	+0,-13
L1773.30-0500	30	500	+0,-13
L1773.30-0550	30	550	+0,-13
L1773.30-0600	30	600	+0,-13
L1773.30-0650	30	650	+0,-13
L1773.30-0700	30	700	+0,-13
L1773.30-0750	30	750	+0,-13
L1773.30-0800	30	800	+0,-13
L1773.30-0850	30	850	+0,-13
L1773.30-0900	30	900	+0,-13
L1773.30-0950	30	950	+0,-13
L1773.30-1000	30	1000	+0,-13
L1773.30-1050	30	1050	+0,-13
L1773.30-1100	30	1100	+0,-13
L1773.30-1150	30	1150	+0,-13
L1773.30-1200	30	1200	+0,-13
L1773.30-1250	30	1250	+0,-13
L1773.30-1300	30	1300	+0,-13
L1773.30-1350	30	1350	+0,-13
L1773.30-1400	30	1400	+0,-13
L1773.30-1450	30	1450	+0,-13
L1773.30-1500	30	1500	+0,-13

0333 207 4498



Linear Shaft Bars

30Ø Stainless AISI 303 Shafts



1773,30-1560 30 1550 +0,13 11773,30-1660 30 1660 +0,13 11773,30-1660 30 1660 +0,13 11773,30-1650 30 1650 +0,13 11773,30-1700 30 1700 +0,13 11773,30-1700 30 1700 +0,13 11773,30-1700 30 1700 +0,13 11773,30-1850 30 1850 +0,13 11773,30-1850 30 1850 +0,13 11773,30-1850 30 1850 +0,13 11773,30-1850 30 1950 +0,13 11773,30-1950 30 1950 +0,13 11773,30-2000 30 2000 +0,13 11773,30-2000 30 2000 +0,13 11773,30-2000 30 2100 +0,13 11773,30-2100 30 2100 +0,13 11773,30-2100 30 2250 +0,13 11773,30-2250 30 2250 +	Order No.	d_1	I_1	Tolerance µ tol. h6
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30Ø Stainless AISI 303 Shafts

Linear Shaft

Order No.	d_1	I_1	Tolerance µ tol. h6
L1773.30-4950	30	4950	+0,-13
L1773.30-5000	30	5000	+0,-13
L1773.30-5050	30	5050	+0,-13
L1773.30-5100	30	5100	+0,-13
L1773.30-5150	30	5150	+0,-13
L1773.30-5200	30	5200	+0,-13
L1773.30-5250	30	5250	+0,-13
L1773.30-5300	30	5300	+0,-13
L1773.30-5350	30	5350	+0,-13
L1773.30-5400	30	5400	+0,-13
L1773.30-5450	30	5450	+0,-13
L1773.30-5500	30	5500	+0,-13
L1773.30-5550	30	5550	+0,-13
L1773.30-5600	30	5600	+0,-13
L1773.30-5650	30	5650	+0,-13
L1773.30-5700	30	5700	+0,-13
L1773.30-5750	30	5750	+0,-13
L1773.30-5800	30	5800	+0,-13
L1773.30-5850	30	5850	+0,-13
L1773.30-5900	30	5900	+0,-13
L1773.30-5950	30	5950	+0,-13
L1773.30-6000	30	6000	+0,-13



near Shafts from Automotion Components

Technical Information

Linear shaft bars



Hardened steel linear shafting (L1770 - L1771)

Carbon steel to BS 070M55 hardened to 60-65 HRC. Carbon Steel B.S. 070M55 is a medium carbon steel which is used when greater strength and hardness is desired than in it's as rolled condition. Extreme size accuracy, straightness and concentricity are combined to minimise wear in high speed applications. Suitable for use with all types of linear bushings.

Corrosion resistant steel (L1772)

440C is a high carbon chromium martensitic stainless steel, generally supplied in the annealed condition with a maximum hardness of 50-55 HR_c. Characterised by good corrosion resistance in mild domestic and industrial environments, including fresh water, organic materials, mild acids, various petroleum products, coupled with extreme high strength, hardness and wear resistance when in the hardened and tempered condition. Used for parts requiring a combination of excellent wear resistance, plus reasonable corrosion resistance. Typical applications are: ball bearings and races, bushings, cutlery, chisels, knife blades, pump parts, surgical instruments, valve seats etc. Material magnetic in all conditions. Suitable for use with all types of linear bushings.

Stainless steel AISI 303 (L1773)

303 is a free machining chromium-nickel austenitic stainless steel with good strength and good corrosion resistance, as supplied in the annealed condition. Characterised by excellent machinability and non galling properties due to its higher sulphur content, which has the effect of slightly lowering its corrosion resistance. It is however, fairly resistant to general atmospheric corrosion, general foodstuffs, sterilizing solutions, dyestuffs, most organic chemicals, plus some inorganic chemicals. But has very limited resistance to acids. 303 cannot be hardened by thermal treatment, but strength and hardness can be increased substantially by cold working, with subsequent reduction in ductility. It is used primarily for production runs involving extensive machining, or complex parts requiring excellent machinability. Typical uses are: architectural components, food processing equipment, dairy equipment, dying industry, hardware and kitchenware manufacturing and allied industries. Commonly used to manufacture bolts and nuts, bushes, gears, shafts, valve bodies and fittings etc. Material is non magnetic in the annealed condition, but can become mildly magnetic following heavy cold working. Annealing is required to rectify if necessary.

Not suitable for use with linear ball bushings, please use ceramic bearings.

Stainless steel AISI 303 (L1774)

316 is a chromium-nickel-molybdenum austenitic stainless steel with good strength and excellent corrosion resistance, as supplied in the annealed condition. Characterised by high corrosion resistance in marine and industrial atmospheres, it exhibits excellent resistance to chloride attack and against complex sulphur compounds employed in the pulp and paper processing industries. The addition of 2% to 3% of molybdenum increases its resistance to pitting corrosion and improves its creep resistance at elevated temperatures. Also it displays good oxidation resistance at elevated temperatures and has excellent weldability. AISI 316 cannot be hardened by thermal treatment, but strength and hardness can be increased substantially by cold working, with subsequent reduction in ductility. It is used extensively by the marine, chemical, petrochemical, pulp and paper, textile, transport, manufacturing and allied industries. Typical uses are: architectural components, textile equipment, pulp and paper processing equipment, marine equipment and fittings, photographic equipment and x-ray equipment etc. Material non magnetic in the annealed condition, but can become mildly magnetic following heavy cold working. Annealing is required to rectify if necessary.

Note: Optimum corrosion resistance is achieved in the annealed condition. Not suitable for use with linear ball bushings; please use ceramic bearings.

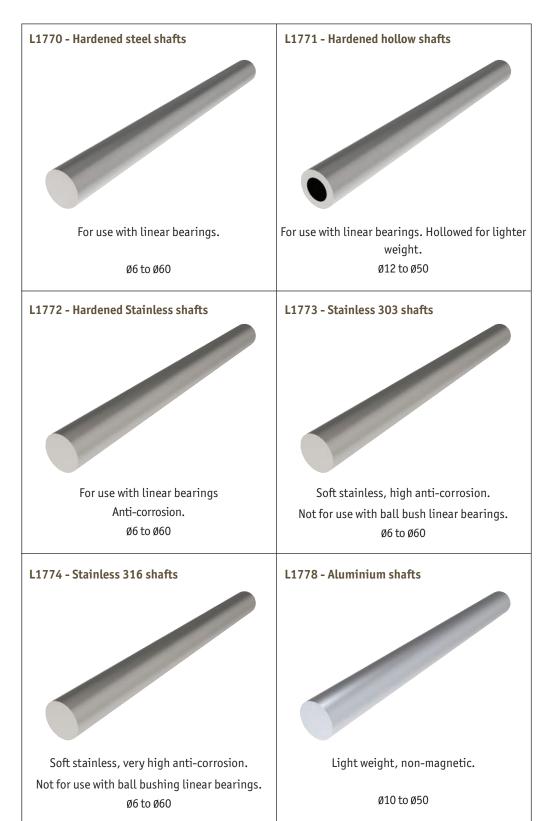


inear Shafts from Automotion Components



Linear Shafts

Overview





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