

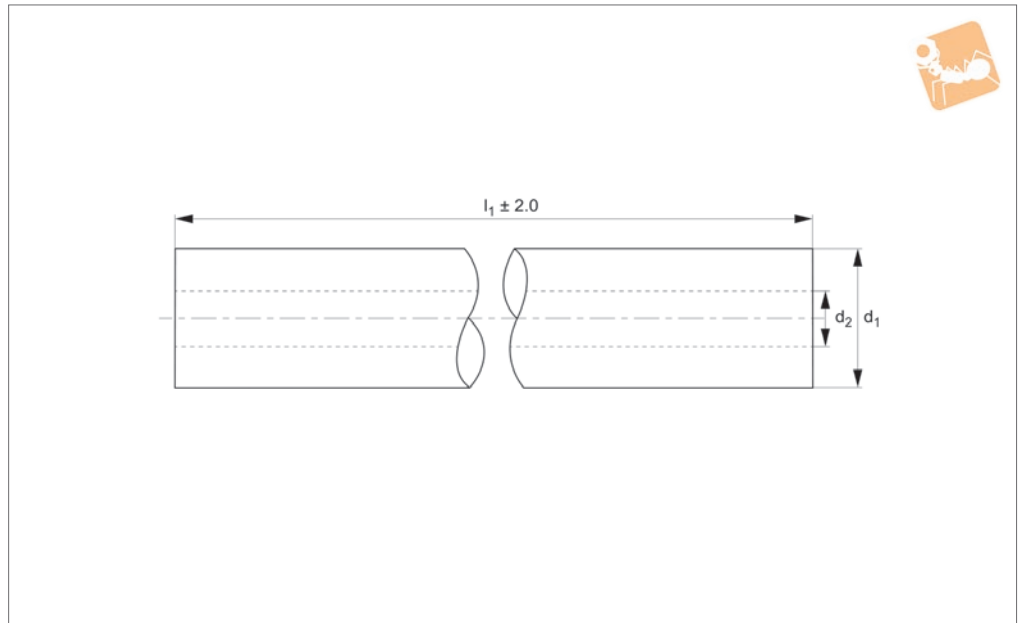


Linear Shafts from Automotion Components

<p>L1770 - Hardened steel shafts</p>  <p>For use with linear bearings.</p> <p>Ø6 to Ø60</p>	<p>L1771 - Hardened hollow shafts</p>  <p>For use with linear bearings. Hollowed for lighter weight.</p> <p>Ø12 to Ø50</p>
<p>L1772 - Hardened Stainless shafts</p>  <p>For use with linear bearings Anti-corrosion.</p> <p>Ø6 to Ø60</p>	<p>L1773 - Stainless 303 shafts</p>  <p>Soft stainless, high anti-corrosion. Not for use with ball bush linear bearings.</p> <p>Ø6 to Ø60</p>
<p>L1774 - Stainless 316 shafts</p>  <p>Soft stainless, very high anti-corrosion. Not for use with ball bushing linear bearings.</p> <p>Ø6 to Ø60</p>	<p>L1778 - Aluminium shafts</p>  <p>Light weight, non-magnetic.</p> <p>Ø10 to Ø50</p>



L1771.12



Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings. Straightness 0,2mm/m.

Tips

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

Shaft lengths are cut to typically ± 2mm, ends are not hardened.

Order No.	d ₁ tol. h6	l ₁	d ₂	Depth of hardness min.
L1771.12-0100	12	100	4	0.4
L1771.12-0150	12	150	4	0.4
L1771.12-0200	12	200	4	0.4
L1771.12-0250	12	250	4	0.4
L1771.12-0300	12	300	4	0.4
L1771.12-0350	12	350	4	0.4
L1771.12-0400	12	400	4	0.4
L1771.12-0450	12	450	4	0.4
L1771.12-0500	12	500	4	0.4
L1771.12-0550	12	550	4	0.4
L1771.12-0600	12	600	4	0.4
L1771.12-0650	12	650	4	0.4
L1771.12-0700	12	700	4	0.4
L1771.12-0750	12	750	4	0.4
L1771.12-0800	12	800	4	0.4
L1771.12-0850	12	850	4	0.4
L1771.12-0900	12	900	4	0.4
L1771.12-0950	12	950	4	0.4
L1771.12-1000	12	1000	4	0.4
L1771.12-1050	12	1050	4	0.4
L1771.12-1100	12	1100	4	0.4
L1771.12-1150	12	1150	4	0.4
L1771.12-1200	12	1200	4	0.4
L1771.12-1250	12	1250	4	0.4
L1771.12-1300	12	1300	4	0.4
L1771.12-1350	12	1350	4	0.4
L1771.12-1400	12	1400	4	0.4
L1771.12-1450	12	1450	4	0.4
L1771.12-1500	12	1500	4	0.4
L1771.12-1550	12	1550	4	0.4
L1771.12-1600	12	1600	4	0.4



12Ø Hardened Hollow Shafts for linear bearings

Linear Shaft
Bars

Order No.	d ₁ tol. h6	l ₁	d ₂	Depth of hardness min.
L1771.12-1650	12	1650	4	0.4
L1771.12-1700	12	1700	4	0.4
L1771.12-1750	12	1750	4	0.4
L1771.12-1800	12	1800	4	0.4
L1771.12-1850	12	1850	4	0.4
L1771.12-1900	12	1900	4	0.4
L1771.12-1950	12	1950	4	0.4
L1771.12-2000	12	2000	4	0.4
L1771.12-2050	12	2050	4	0.4
L1771.12-2100	12	2100	4	0.4
L1771.12-2150	12	2150	4	0.4
L1771.12-2200	12	2200	4	0.4
L1771.12-2250	12	2250	4	0.4
L1771.12-2300	12	2300	4	0.4
L1771.12-2350	12	2350	4	0.4
L1771.12-2400	12	2400	4	0.4
L1771.12-2450	12	2450	4	0.4
L1771.12-2500	12	2500	4	0.4
L1771.12-2550	12	2550	4	0.4
L1771.12-2600	12	2600	4	0.4
L1771.12-2650	12	2650	4	0.4
L1771.12-2700	12	2700	4	0.4
L1771.12-2750	12	2750	4	0.4
L1771.12-2800	12	2800	4	0.4
L1771.12-2850	12	2850	4	0.4
L1771.12-2900	12	2900	4	0.4
L1771.12-2950	12	2950	4	0.4
L1771.12-3000	12	3000	4	0.4
L1771.12-3050	12	3050	4	0.4
L1771.12-3100	12	3100	4	0.4
L1771.12-3150	12	3150	4	0.4
L1771.12-3200	12	3200	4	0.4
L1771.12-3250	12	3250	4	0.4
L1771.12-3300	12	3300	4	0.4
L1771.12-3350	12	3350	4	0.4
L1771.12-3400	12	3400	4	0.4
L1771.12-3450	12	3450	4	0.4
L1771.12-3500	12	3500	4	0.4
L1771.12-3550	12	3550	4	0.4
L1771.12-3600	12	3600	4	0.4
L1771.12-3650	12	3650	4	0.4
L1771.12-3700	12	3700	4	0.4
L1771.12-3750	12	3750	4	0.4
L1771.12-3800	12	3800	4	0.4
L1771.12-3850	12	3850	4	0.4
L1771.12-3900	12	3900	4	0.4
L1771.12-3950	12	3950	4	0.4
L1771.12-4000	12	4000	4	0.4
L1771.12-4050	12	4050	4	0.4
L1771.12-4100	12	4100	4	0.4
L1771.12-4150	12	4150	4	0.4
L1771.12-4200	12	4200	4	0.4
L1771.12-4250	12	4250	4	0.4
L1771.12-4300	12	4300	4	0.4
L1771.12-4350	12	4350	4	0.4
L1771.12-4400	12	4400	4	0.4
L1771.12-4450	12	4450	4	0.4
L1771.12-4500	12	4500	4	0.4
L1771.12-4550	12	4550	4	0.4
L1771.12-4600	12	4600	4	0.4
L1771.12-4650	12	4650	4	0.4
L1771.12-4700	12	4700	4	0.4
L1771.12-4750	12	4750	4	0.4
L1771.12-4800	12	4800	4	0.4
L1771.12-4850	12	4850	4	0.4
L1771.12-4900	12	4900	4	0.4
L1771.12-4950	12	4950	4	0.4
L1771.12-5000	12	5000	4	0.4

LINEAR SHAFT BARS

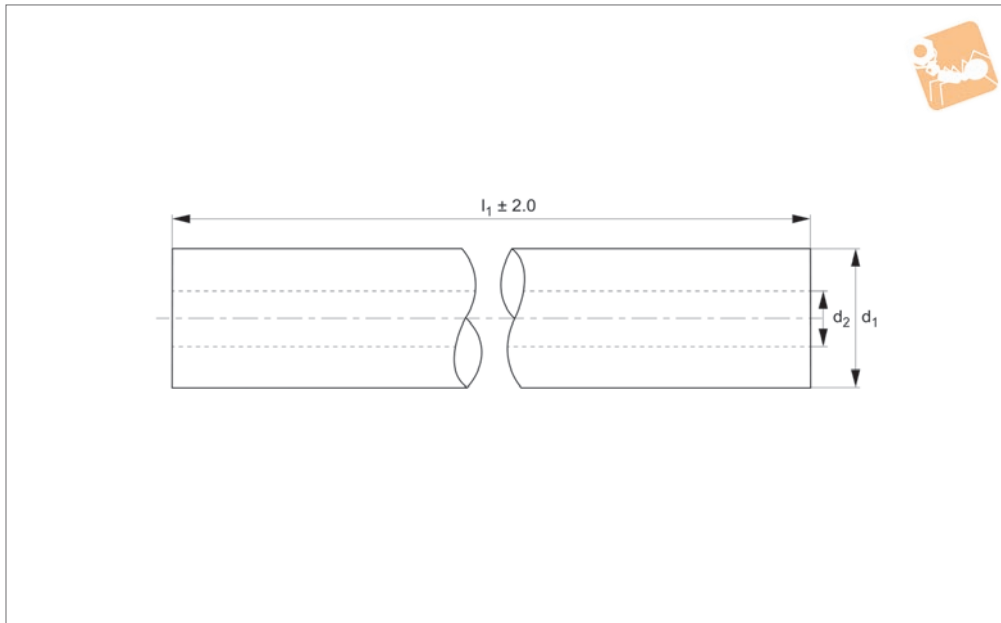


Order No.	d ₁ tol. h6	l ₁	d ₂	Depth of hardness min.
L1771.12-5050	12	5050	4	0.4
L1771.12-5100	12	5100	4	0.4
L1771.12-5150	12	5150	4	0.4
L1771.12-5200	12	5200	4	0.4
L1771.12-5250	12	5250	4	0.4
L1771.12-5300	12	5300	4	0.4
L1771.12-5350	12	5350	4	0.4
L1771.12-5400	12	5400	4	0.4
L1771.12-5450	12	5450	4	0.4
L1771.12-5500	12	5500	4	0.4
L1771.12-5550	12	5550	4	0.4
L1771.12-5600	12	5600	4	0.4
L1771.12-5650	12	5650	4	0.4
L1771.12-5700	12	5700	4	0.4
L1771.12-5750	12	5750	4	0.4
L1771.12-5800	12	5800	4	0.4
L1771.12-5850	12	5850	4	0.4
L1771.12-5900	12	5900	4	0.4
L1771.12-5950	12	5950	4	0.4
L1771.12-6000	12	6000	4	0.4



16Ø Hardened Hollow Shafts for linear bearings

Linear Shaft
Bars



L1771.16

LINEAR SHAFT BARS

Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings.

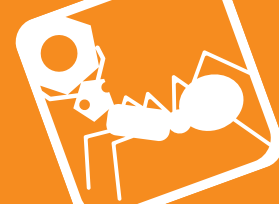
Straightness 0,2mm/m.

Tips

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

Shaft lengths are cut to typically ± 2mm, ends are not hardened.

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.16-0100	16	100	7	0.4
L1771.16-0150	16	150	7	0.4
L1771.16-0200	16	200	7	0.4
L1771.16-0250	16	250	7	0.4
L1771.16-0300	16	300	7	0.4
L1771.16-0350	16	350	7	0.4
L1771.16-0400	16	400	7	0.4
L1771.16-0450	16	450	7	0.4
L1771.16-0500	16	500	7	0.4
L1771.16-0550	16	550	7	0.4
L1771.16-0600	16	600	7	0.4
L1771.16-0650	16	650	7	0.4
L1771.16-0700	16	700	7	0.4
L1771.16-0750	16	750	7	0.4
L1771.16-0800	16	800	7	0.4
L1771.16-0850	16	850	7	0.4
L1771.16-0900	16	900	7	0.4
L1771.16-1000	16	1000	7	0.4
L1771.16-1050	16	1050	7	0.4
L1771.16-1100	16	1100	7	0.4
L1771.16-1150	16	1150	7	0.4
L1771.16-1200	16	1200	7	0.4
L1771.16-1250	16	1250	7	0.4
L1771.16-1300	16	1300	7	0.4
L1771.16-1350	16	1350	7	0.4
L1771.16-1400	16	1400	7	0.4
L1771.16-1450	16	1450	7	0.4
L1771.16-1500	16	1500	7	0.4
L1771.16-1550	16	1550	7	0.4
L1771.16-1600	16	1600	7	0.4
L1771.16-1650	16	1650	7	0.4



Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.16-1700	16	1700	7	0.4
L1771.16-1750	16	1750	7	0.4
L1771.16-1800	16	1800	7	0.4
L1771.16-1850	16	1850	7	0.4
L1771.16-1900	16	1900	7	0.4
L1771.16-1950	16	1950	7	0.4
L1771.16-2000	16	2000	7	0.4
L1771.16-2050	16	2050	7	0.4
L1771.16-2100	16	2100	7	0.4
L1771.16-2150	16	2150	7	0.4
L1771.16-2200	16	2200	7	0.4
L1771.16-2250	16	2250	7	0.4
L1771.16-2300	16	2300	7	0.4
L1771.16-2350	16	2350	7	0.4
L1771.16-2400	16	2400	7	0.4
L1771.16-2450	16	2450	7	0.4
L1771.16-2500	16	2500	7	0.4
L1771.16-2550	16	2550	7	0.4
L1771.16-2600	16	2600	7	0.4
L1771.16-2650	16	2650	7	0.4
L1771.16-2700	16	2700	7	0.4
L1771.16-2750	16	2750	7	0.4
L1771.16-2800	16	2800	7	0.4
L1771.16-2850	16	2850	7	0.4
L1771.16-2900	16	2900	7	0.4
L1771.16-2950	16	2950	7	0.4
L1771.16-3000	16	3000	7	0.4
L1771.16-3050	16	3050	7	0.4
L1771.16-3100	16	3100	7	0.4
L1771.16-3150	16	3150	7	0.4
L1771.16-3200	16	3200	7	0.4
L1771.16-3250	16	3250	7	0.4
L1771.16-3300	16	3300	7	0.4
L1771.16-3350	16	3350	7	0.4
L1771.16-3400	16	3400	7	0.4
L1771.16-3450	16	3450	7	0.4
L1771.16-3500	16	3500	7	0.4
L1771.16-3550	16	3550	7	0.4
L1771.16-3600	16	3600	7	0.4
L1771.16-3650	16	3650	7	0.4
L1771.16-3700	16	3700	7	0.4
L1771.16-3750	16	3750	7	0.4
L1771.16-3800	16	3800	7	0.4
L1771.16-3850	16	3850	7	0.4
L1771.16-3900	16	3900	7	0.4
L1771.16-3950	16	3950	7	0.4
L1771.16-4000	16	4000	7	0.4
L1771.16-4050	16	4050	7	0.4
L1771.16-4100	16	4100	7	0.4
L1771.16-4150	16	4150	7	0.4
L1771.16-4200	16	4200	7	0.4
L1771.16-4250	16	4250	7	0.4
L1771.16-4300	16	4300	7	0.4
L1771.16-4350	16	4350	7	0.4
L1771.16-4400	16	4400	7	0.4
L1771.16-4450	16	4450	7	0.4
L1771.16-4500	16	4500	7	0.4
L1771.16-4550	16	4550	7	0.4
L1771.16-4600	16	4600	7	0.4
L1771.16-4650	16	4650	7	0.4
L1771.16-4700	16	4700	7	0.4
L1771.16-4750	16	4750	7	0.4
L1771.16-4800	16	4800	7	0.4
L1771.16-4850	16	4850	7	0.4
L1771.16-4900	16	4900	7	0.4
L1771.16-4950	16	4950	7	0.4
L1771.16-5000	16	5000	7	0.4
L1771.16-5050	16	5050	7	0.4

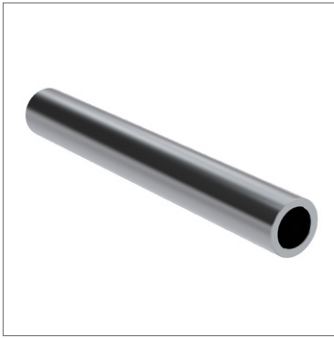


16Ø Hardened Hollow Shafts for linear bearings

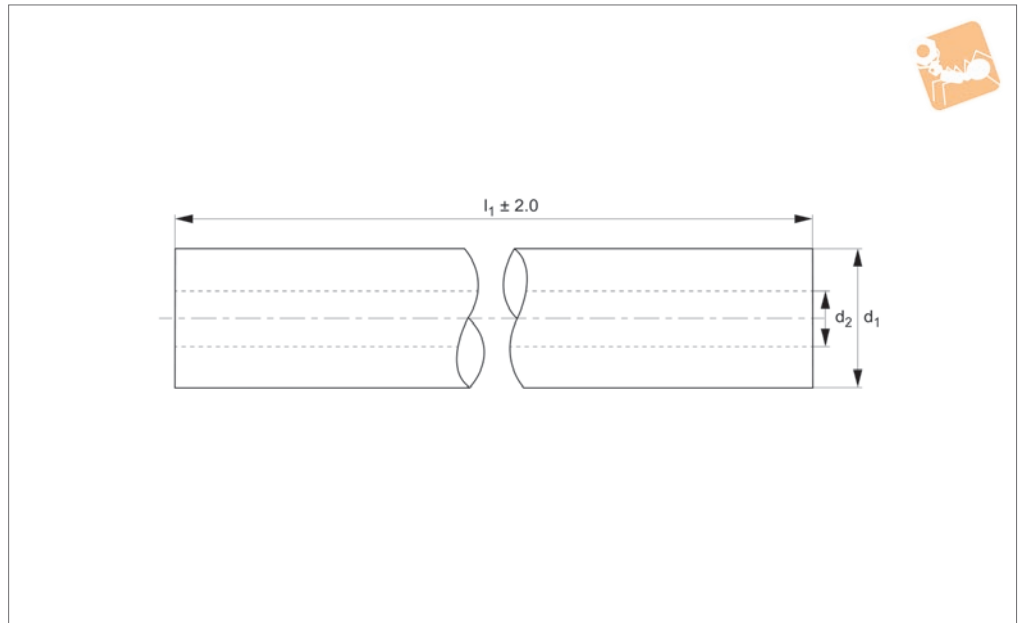
Linear Shaft
Bars

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.16-5100	16	5100	7	0.4
L1771.16-5150	16	5150	7	0.4
L1771.16-5200	16	5200	7	0.4
L1771.16-5250	16	5250	7	0.4
L1771.16-5300	16	5300	7	0.4
L1771.16-5350	16	5350	7	0.4
L1771.16-5400	16	5400	7	0.4
L1771.16-5450	16	5450	7	0.4
L1771.16-5500	16	5500	7	0.4
L1771.16-5550	16	5550	7	0.4
L1771.16-5600	16	5600	7	0.4
L1771.16-5650	16	5650	7	0.4
L1771.16-5700	16	5700	7	0.4
L1771.16-5750	16	5750	7	0.4
L1771.16-5800	16	5800	7	0.4
L1771.16-5850	16	5850	7	0.4
L1771.16-5900	16	5900	7	0.4
L1771.16-5950	16	5950	7	0.4
L1771.16-6000	16	6000	7	0.4

LINEAR SHAFT BARS



L1771.20



Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings. Straightness 0,1mm/m.

Tips

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

Shaft lengths are cut to typically ± 2 mm, ends are not hardened.

Order No.	d_1 tol. h6	l_1	d_2 tol. h6	Depth of hardness min.
L1771.20-0100	20	100	14	0.4
L1771.20-0150	20	150	14	0.4
L1771.20-0200	20	200	14	0.4
L1771.20-0250	20	250	14	0.4
L1771.20-0300	20	300	14	0.4
L1771.20-0350	20	350	14	0.4
L1771.20-0400	20	400	14	0.4
L1771.20-0450	20	450	14	0.4
L1771.20-0500	20	500	14	0.4
L1771.20-0550	20	550	14	0.4
L1771.20-0600	20	600	14	0.4
L1771.20-0650	20	650	14	0.4
L1771.20-0700	20	700	14	0.4
L1771.20-0750	20	750	14	0.4
L1771.20-0800	20	800	14	0.4
L1771.20-0850	20	850	14	0.4
L1771.20-0900	20	900	14	0.4
L1771.20-0950	20	950	14	0.4
L1771.20-1000	20	1000	14	0.4
L1771.20-1050	20	1050	14	0.4
L1771.20-1100	20	1100	14	0.4
L1771.20-1150	20	1150	14	0.4
L1771.20-1200	20	1200	14	0.4
L1771.20-1250	20	1250	14	0.4
L1771.20-1300	20	1300	14	0.4
L1771.20-1350	20	1350	14	0.4
L1771.20-1400	20	1400	14	0.4
L1771.20-1450	20	1450	14	0.4
L1771.20-1500	20	1500	14	0.4
L1771.20-1550	20	1550	14	0.4
L1771.20-1600	20	1600	14	0.4



20Ø Hardened Hollow Shafts for linear bearings

Linear Shaft
Bars

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.20-1650	20	1650	14	0.4
L1771.20-1700	20	1700	14	0.4
L1771.20-1750	20	1750	14	0.4
L1771.20-1800	20	1800	14	0.4
L1771.20-1850	20	1850	14	0.4
L1771.20-1900	20	1900	14	0.4
L1771.20-1950	20	1950	14	0.4
L1771.20-2000	20	2000	14	0.4
L1771.20-2050	20	2050	14	0.4
L1771.20-2100	20	2100	14	0.4
L1771.20-2150	20	2150	14	0.4
L1771.20-2200	20	2200	14	0.4
L1771.20-2250	20	2250	14	0.4
L1771.20-2300	20	2300	14	0.4
L1771.20-2350	20	2350	14	0.4
L1771.20-2400	20	2400	14	0.4
L1771.20-2450	20	2450	14	0.4
L1771.20-2500	20	2500	14	0.4
L1771.20-2550	20	2550	14	0.4
L1771.20-2600	20	2600	14	0.4
L1771.20-2650	20	2650	14	0.4
L1771.20-2700	20	2700	14	0.4
L1771.20-2750	20	2750	14	0.4
L1771.20-2800	20	2800	14	0.4
L1771.20-2850	20	2850	14	0.4
L1771.20-2900	20	2900	14	0.4
L1771.20-2950	20	2950	14	0.4
L1771.20-3000	20	3000	14	0.4
L1771.20-3050	20	3050	14	0.4
L1771.20-3100	20	3100	14	0.4
L1771.20-3150	20	3150	14	0.4
L1771.20-3200	20	3200	14	0.4
L1771.20-3250	20	3250	14	0.4
L1771.20-3300	20	3300	14	0.4
L1771.20-3350	20	3350	14	0.4
L1771.20-3400	20	3400	14	0.4
L1771.20-3450	20	3450	14	0.4
L1771.20-3500	20	3500	14	0.4
L1771.20-3550	20	3550	14	0.4
L1771.20-3600	20	3600	14	0.4
L1771.20-3650	20	3650	14	0.4
L1771.20-3700	20	3700	14	0.4
L1771.20-3750	20	3750	14	0.4
L1771.20-3800	20	3800	14	0.4
L1771.20-3850	20	3850	14	0.4
L1771.20-3900	20	3900	14	0.4
L1771.20-3950	20	3950	14	0.4
L1771.20-4000	20	4000	14	0.4
L1771.20-4050	20	4050	14	0.4
L1771.20-4100	20	4100	14	0.4
L1771.20-4150	20	4150	14	0.4
L1771.20-4200	20	4200	14	0.4
L1771.20-4250	20	4250	14	0.4
L1771.20-4300	20	4300	14	0.4
L1771.20-4350	20	4350	14	0.4
L1771.20-4400	20	4400	14	0.4
L1771.20-4450	20	4450	14	0.4
L1771.20-4500	20	4500	14	0.4
L1771.20-4550	20	4550	14	0.4
L1771.20-4600	20	4600	14	0.4
L1771.20-4650	20	4650	14	0.4
L1771.20-4700	20	4700	14	0.4
L1771.20-4750	20	4750	14	0.4
L1771.20-4800	20	4800	14	0.4
L1771.20-4850	20	4850	14	0.4
L1771.20-4900	20	4900	14	0.4
L1771.20-4950	20	4950	14	0.4
L1771.20-5000	20	5000	14	0.4

LINEAR SHAFT BARS

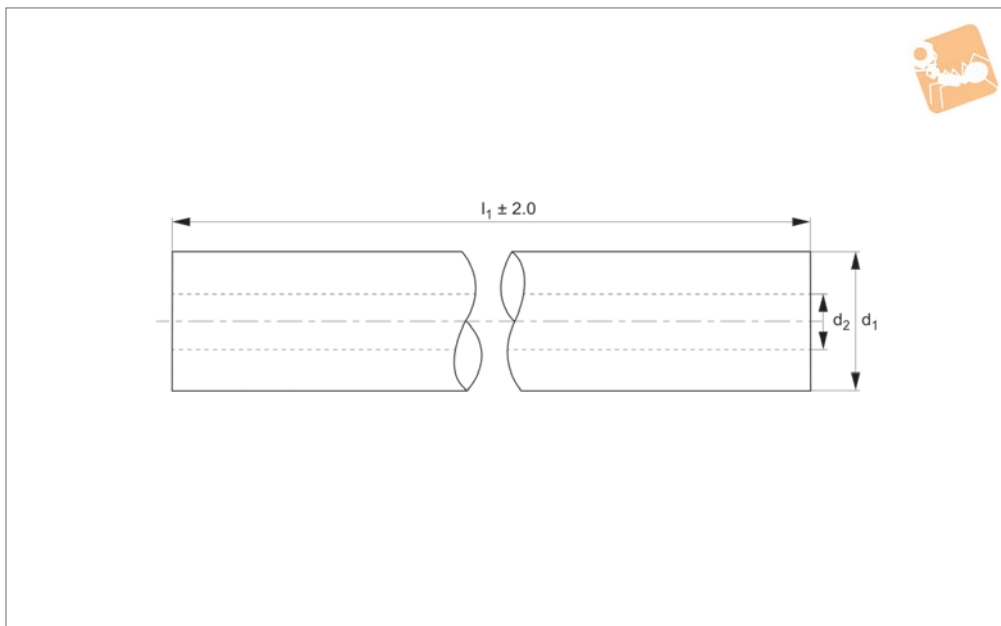


Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.20-5050	20	5050	14	0.4
L1771.20-5100	20	5100	14	0.4
L1771.20-5150	20	5150	14	0.4
L1771.20-5200	20	5200	14	0.4
L1771.20-5250	20	5250	14	0.4
L1771.20-5300	20	5300	14	0.4
L1771.20-5350	20	5350	14	0.4
L1771.20-5400	20	5400	14	0.4
L1771.20-5450	20	5450	14	0.4
L1771.20-5500	20	5500	14	0.4
L1771.20-5550	20	5550	14	0.4
L1771.20-5600	20	5600	14	0.4
L1771.20-5650	20	5650	14	0.4
L1771.20-5700	20	5700	14	0.4
L1771.20-5750	20	5750	14	0.4
L1771.20-5800	20	5800	14	0.4
L1771.20-5850	20	5850	14	0.4
L1771.20-5900	20	5900	14	0.4
L1771.20-5950	20	5950	14	0.4
L1771.20-6000	20	6000	14	0.4



25Ø Hardened Hollow Shafts for linear bearings

Linear Shaft Bars



L1771.25

LINEAR SHAFT BARS

Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings. Straightness 0,1mm/m.

Tips

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

Shaft lengths are cut to typically ± 2mm, ends are not hardened.

Order No.	d ₁ tol. h6	l ₁	d ₂	Depth of hardness min.
L1771.25-0100	25	100	15	0.4
L1771.25-0150	25	150	15	0.4
L1771.25-0200	25	200	15	0.4
L1771.25-0250	25	250	15	0.4
L1771.25-0300	25	300	15	0.4
L1771.25-0350	25	350	15	0.4
L1771.25-0400	25	400	15	0.4
L1771.25-0450	25	450	15	0.4
L1771.25-0500	25	500	15	0.4
L1771.25-0550	25	550	15	0.4
L1771.25-0600	25	600	15	0.4
L1771.25-0650	25	650	15	0.4
L1771.25-0700	25	700	15	0.4
L1771.25-0750	25	750	15	0.4
L1771.25-0800	25	800	15	0.4
L1771.25-0850	25	850	15	0.4
L1771.25-0900	25	900	15	0.4
L1771.25-0950	25	950	15	0.4
L1771.25-1000	25	1000	15	0.4
L1771.25-1050	25	1050	15	0.4
L1771.25-1100	25	1100	15	0.4
L1771.25-1150	25	1150	15	0.4
L1771.25-1200	25	1200	15	0.4
L1771.25-1250	25	1250	15	0.4
L1771.25-1300	25	1300	15	0.4
L1771.25-1350	25	1350	15	0.4
L1771.25-1400	25	1400	15	0.4
L1771.25-1450	25	1450	15	0.4
L1771.25-1500	25	1500	15	0.4
L1771.25-1550	25	1550	15	0.4
L1771.25-1600	25	1600	15	0.4



Order No.	d ₁ tol. h6	l ₁	d ₂	Depth of hardness min.
L1771.25-1650	25	1650	15	0.4
L1771.25-1700	25	1700	15	0.4
L1771.25-1750	25	1750	15	0.4
L1771.25-1800	25	1800	15	0.4
L1771.25-1850	25	1850	15	0.4
L1771.25-1900	25	1900	15	0.4
L1771.25-1950	25	1950	15	0.4
L1771.25-2000	25	2000	15	0.4
L1771.25-2050	25	2050	15	0.4
L1771.25-2100	25	2100	15	0.4
L1771.25-2150	25	2150	15	0.4
L1771.25-2200	25	2200	15	0.4
L1771.25-2250	25	2250	15	0.4
L1771.25-2300	25	2300	15	0.4
L1771.25-2350	25	2350	15	0.4
L1771.25-2400	25	2400	15	0.4
L1771.25-2450	25	2450	15	0.4
L1771.25-2500	25	2500	15	0.4
L1771.25-2550	25	2550	15	0.4
L1771.25-2600	25	2600	15	0.4
L1771.25-2650	25	2650	15	0.4
L1771.25-2700	25	2700	15	0.4
L1771.25-2750	25	2750	15	0.4
L1771.25-2800	25	2800	15	0.4
L1771.25-2850	25	2850	15	0.4
L1771.25-2900	25	2900	15	0.4
L1771.25-2950	25	2950	15	0.4
L1771.25-3000	25	3000	15	0.4
L1771.25-3050	25	3050	15	0.4
L1771.25-3100	25	3100	15	0.4
L1771.25-3150	25	3150	15	0.4
L1771.25-3200	25	3200	15	0.4
L1771.25-3250	25	3250	15	0.4
L1771.25-3300	25	3300	15	0.4
L1771.25-3350	25	3350	15	0.4
L1771.25-3400	25	3400	15	0.4
L1771.25-3450	25	3450	15	0.4
L1771.25-3500	25	3500	15	0.4
L1771.25-3550	25	3550	15	0.4
L1771.25-3600	25	3600	15	0.4
L1771.25-3650	25	3650	15	0.4
L1771.25-3700	25	3700	15	0.4
L1771.25-3750	25	3750	15	0.4
L1771.25-3800	25	3800	15	0.4
L1771.25-3850	25	3850	15	0.4
L1771.25-3900	25	3900	15	0.4
L1771.25-3950	25	3950	15	0.4
L1771.25-4000	25	4000	15	0.4
L1771.25-4050	25	4050	15	0.4
L1771.25-4100	25	4100	15	0.4
L1771.25-4150	25	4150	15	0.4
L1771.25-4200	25	4200	15	0.4
L1771.25-4250	25	4250	15	0.4
L1771.25-4300	25	4300	15	0.4
L1771.25-4350	25	4350	15	0.4
L1771.25-4400	25	4400	15	0.4
L1771.25-4450	25	4450	15	0.4
L1771.25-4500	25	4500	15	0.4
L1771.25-4550	25	4550	15	0.4
L1771.25-4600	25	4600	15	0.4
L1771.25-4650	25	4650	15	0.4
L1771.25-4700	25	4700	15	0.4
L1771.25-4750	25	4750	15	0.4
L1771.25-4800	25	4800	15	0.4
L1771.25-4850	25	4850	15	0.4
L1771.25-4900	25	4900	15	0.4
L1771.25-4950	25	4950	15	0.4
L1771.25-5000	25	5000	15	0.4



25Ø Hardened Hollow Shafts for linear bearings

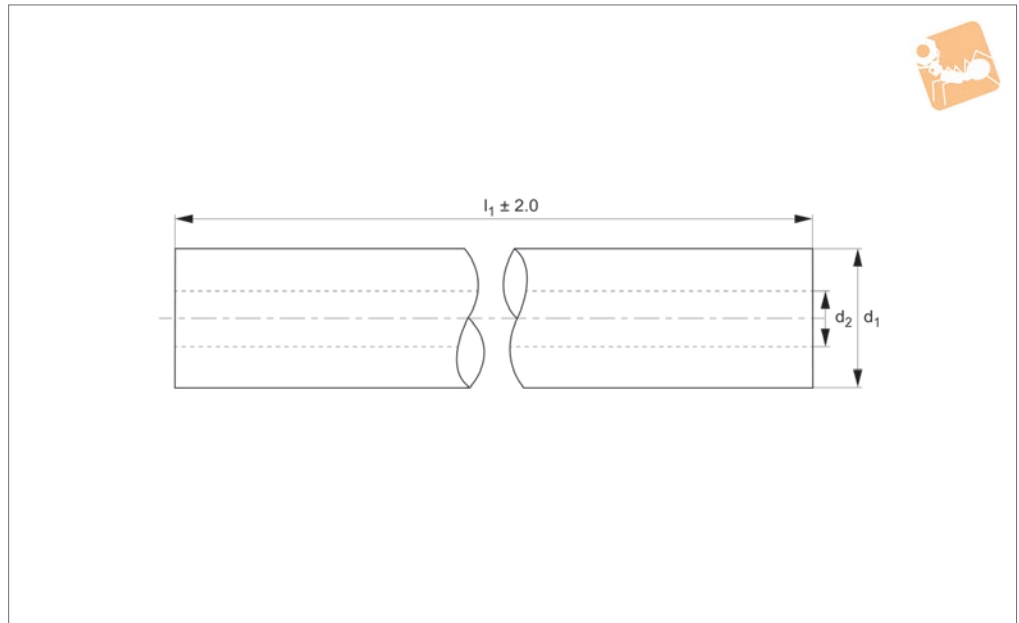
Linear Shaft
Bars

Order No.	d ₁ tol. h6	l ₁	d ₂	Depth of hardness min.
L1771.25-5050	25	5050	15	0.4
L1771.25-5100	25	5100	15	0.4
L1771.25-5150	25	5150	15	0.4
L1771.25-5200	25	5200	15	0.4
L1771.25-5250	25	5250	15	0.4
L1771.25-5300	25	5300	15	0.4
L1771.25-5350	25	5350	15	0.4
L1771.25-5400	25	5400	15	0.4
L1771.25-5450	25	5450	15	0.4
L1771.25-5500	25	5500	15	0.4
L1771.25-5550	25	5550	15	0.4
L1771.25-5600	25	5600	15	0.4
L1771.25-5650	25	5650	15	0.4
L1771.25-5700	25	5700	15	0.4
L1771.25-5750	25	5750	15	0.4
L1771.25-5800	25	5800	15	0.4
L1771.25-5850	25	5850	15	0.4
L1771.25-5900	25	5900	15	0.4
L1771.25-5950	25	5950	15	0.4
L1771.25-6000	25	6000	15	0.4

LINEAR SHAFT BARS



L1771.30



Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings.
Straightness 0,1mm/m.

Tips

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

Shaft lengths are cut to typically ± 2mm, ends are not hardened.

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.30-0100	30	100	18	0.6
L1771.30-0150	30	150	18	0.6
L1771.30-0200	30	200	18	0.6
L1771.30-0250	30	250	18	0.6
L1771.30-0300	30	300	18	0.6
L1771.30-0350	30	350	18	0.6
L1771.30-0400	30	400	18	0.6
L1771.30-0450	30	450	18	0.6
L1771.30-0500	30	500	18	0.6
L1771.30-0550	30	550	18	0.6
L1771.30-0600	30	600	18	0.6
L1771.30-0650	30	650	18	0.6
L1771.30-0700	30	700	18	0.6
L1771.30-0750	30	750	18	0.6
L1771.30-0800	30	800	18	0.6
L1771.30-0850	30	850	18	0.6
L1771.30-0900	30	900	18	0.6
L1771.30-0950	30	950	18	0.6
L1771.30-1000	30	1000	18	0.6
L1771.30-1050	30	1050	18	0.6
L1771.30-1100	30	1100	18	0.6
L1771.30-1150	30	1150	18	0.6
L1771.30-1200	30	1200	18	0.6
L1771.30-1250	30	1250	18	0.6
L1771.30-1300	30	1300	18	0.6
L1771.30-1350	30	1350	18	0.6
L1771.30-1400	30	1400	18	0.6
L1771.30-1450	30	1450	18	0.6
L1771.30-1500	30	1500	18	0.6
L1771.30-1550	30	1550	18	0.6
L1771.30-1600	30	1600	18	0.6



30Ø Hardened Hollow Shafts for linear bearings

Linear Shaft
Bars

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.30-1650	30	1650	18	0.6
L1771.30-1700	30	1700	18	0.6
L1771.30-1750	30	1750	18	0.6
L1771.30-1800	30	1800	18	0.6
L1771.30-1850	30	1850	18	0.6
L1771.30-1900	30	1900	18	0.6
L1771.30-1950	30	1950	18	0.6
L1771.30-2000	30	2000	18	0.6
L1771.30-2050	30	2050	18	0.6
L1771.30-2100	30	2100	18	0.6
L1771.30-2150	30	2150	18	0.6
L1771.30-2200	30	2200	18	0.6
L1771.30-2250	30	2250	18	0.6
L1771.30-2300	30	2300	18	0.6
L1771.30-2350	30	2350	18	0.6
L1771.30-2400	30	2400	18	0.6
L1771.30-2450	30	2450	18	0.6
L1771.30-2500	30	2500	18	0.6
L1771.30-2550	30	2550	18	0.6
L1771.30-2600	30	2600	18	0.6
L1771.30-2650	30	2650	18	0.6
L1771.30-2700	30	2700	18	0.6
L1771.30-2750	30	2750	18	0.6
L1771.30-2800	30	2800	18	0.6
L1771.30-2850	30	2850	18	0.6
L1771.30-2900	30	2900	18	0.6
L1771.30-2950	30	2950	18	0.6
L1771.30-3000	30	3000	18	0.6
L1771.30-3050	30	3050	18	0.6
L1771.30-3100	30	3100	18	0.6
L1771.30-3150	30	3150	18	0.6
L1771.30-3200	30	3200	18	0.6
L1771.30-3250	30	3250	18	0.6
L1771.30-3300	30	3300	18	0.6
L1771.30-3350	30	3350	18	0.6
L1771.30-3400	30	3400	18	0.6
L1771.30-3450	30	3450	18	0.6
L1771.30-3500	30	3500	18	0.6
L1771.30-3550	30	3550	18	0.6
L1771.30-3600	30	3600	18	0.6
L1771.30-3650	30	3650	18	0.6
L1771.30-3700	30	3700	18	0.6
L1771.30-3750	30	3750	18	0.6
L1771.30-3800	30	3800	18	0.6
L1771.30-3850	30	3850	18	0.6
L1771.30-3900	30	3900	18	0.6
L1771.30-3950	30	3950	18	0.6
L1771.30-4000	30	4000	18	0.6
L1771.30-4050	30	4050	18	0.6
L1771.30-4100	30	4100	18	0.6
L1771.30-4150	30	4150	18	0.6
L1771.30-4200	30	4200	18	0.6
L1771.30-4250	30	4250	18	0.6
L1771.30-4300	30	4300	18	0.6
L1771.30-4350	30	4350	18	0.6
L1771.30-4400	30	4400	18	0.6
L1771.30-4450	30	4450	18	0.6
L1771.30-4500	30	4500	18	0.6
L1771.30-4550	30	4550	18	0.6
L1771.30-4600	30	4600	18	0.6
L1771.30-4650	30	4650	18	0.6
L1771.30-4700	30	4700	18	0.6
L1771.30-4750	30	4750	18	0.6
L1771.30-4800	30	4800	18	0.6
L1771.30-4850	30	4850	18	0.6
L1771.30-4900	30	4900	18	0.6
L1771.30-4950	30	4950	18	0.6
L1771.30-5000	30	5000	18	0.6

LINEAR SHAFT BARS

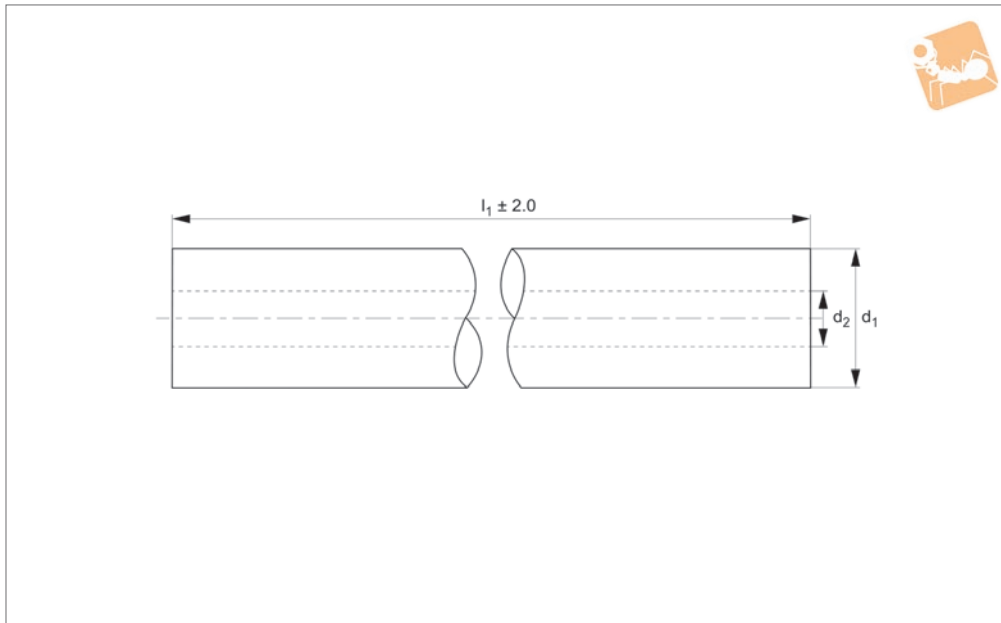


Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.30-5050	30	5050	18	0.6
L1771.30-5100	30	5100	18	0.6
L1771.30-5150	30	5150	18	0.6
L1771.30-5200	30	5200	18	0.6
L1771.30-5250	30	5250	18	0.6
L1771.30-5300	30	5300	18	0.6
L1771.30-5350	30	5350	18	0.6
L1771.30-5400	30	5400	18	0.6
L1771.30-5450	30	5450	18	0.6
L1771.30-5500	30	5500	18	0.6
L1771.30-5550	30	5550	18	0.6
L1771.30-5600	30	5600	18	0.6
L1771.30-5650	30	5650	18	0.6
L1771.30-5700	30	5700	18	0.6
L1771.30-5750	30	5750	18	0.6
L1771.30-5800	30	5800	18	0.6
L1771.30-5850	30	5850	18	0.6
L1771.30-5900	30	5900	18	0.6
L1771.30-5950	30	5950	18	0.6
L1771.30-6000	30	6000	18	0.6



40Ø Hardened Hollow Shafts for linear bearings

Linear Shaft Bars



L1771.40

LINEAR SHAFT BARS

Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings.

Straightness 0,1mm/m.

Tips

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

Shaft lengths are cut to typically ± 2mm, ends are not hardened.

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.40-0100	40	100	28	0.6
L1771.40-0150	40	150	28	0.6
L1771.40-0200	40	200	28	0.6
L1771.40-0250	40	250	28	0.6
L1771.40-0300	40	300	28	0.6
L1771.40-0350	40	350	28	0.6
L1771.40-0400	40	400	28	0.6
L1771.40-0450	40	450	28	0.6
L1771.40-0500	40	500	28	0.6
L1771.40-0550	40	550	28	0.6
L1771.40-0600	40	600	28	0.6
L1771.40-0650	40	650	28	0.6
L1771.40-0700	40	700	28	0.6
L1771.40-0750	40	750	28	0.6
L1771.40-0800	40	800	28	0.6
L1771.40-0850	40	850	28	0.6
L1771.40-0900	40	900	28	0.6
L1771.40-0950	40	950	28	0.6
L1771.40-1000	40	1000	28	0.6
L1771.40-1050	40	1050	28	0.6
L1771.40-1100	40	1100	28	0.6
L1771.40-1150	40	1150	28	0.6
L1771.40-1200	40	1200	28	0.6
L1771.40-1250	40	1250	28	0.6
L1771.40-1300	40	1300	28	0.6
L1771.40-1350	40	1350	28	0.6
L1771.40-1400	40	1400	28	0.6
L1771.40-1450	40	1450	28	0.6
L1771.40-1500	40	1500	28	0.6
L1771.40-1550	40	1550	28	0.6
L1771.40-1600	40	1600	28	0.6



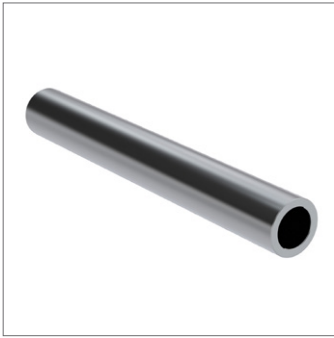
Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.40-1650	40	1650	28	0.6
L1771.40-1700	40	1700	28	0.6
L1771.40-1750	40	1750	28	0.6
L1771.40-1800	40	1800	28	0.6
L1771.40-1850	40	1850	28	0.6
L1771.40-1900	40	1900	28	0.6
L1771.40-1950	40	1950	28	0.6
L1771.40-2000	40	2000	28	0.6
L1771.40-2050	40	2050	28	0.6
L1771.40-2100	40	2100	28	0.6
L1771.40-2150	40	2150	28	0.6
L1771.40-2200	40	2200	28	0.6
L1771.40-2250	40	2250	28	0.6
L1771.40-2300	40	2300	28	0.6
L1771.40-2350	40	2350	28	0.6
L1771.40-2400	40	2400	28	0.6
L1771.40-2450	40	2450	28	0.6
L1771.40-2500	40	2500	28	0.6
L1771.40-2550	40	2550	28	0.6
L1771.40-2600	40	2600	28	0.6
L1771.40-2650	40	2650	28	0.6
L1771.40-2700	40	2700	28	0.6
L1771.40-2750	40	2750	28	0.6
L1771.40-2800	40	2800	28	0.6
L1771.40-2850	40	2850	28	0.6
L1771.40-2900	40	2900	28	0.6
L1771.40-2950	40	2950	28	0.6
L1771.40-3000	40	3000	28	0.6
L1771.40-3050	40	3050	28	0.6
L1771.40-3100	40	3100	28	0.6
L1771.40-3150	40	3150	28	0.6
L1771.40-3200	40	3200	28	0.6
L1771.40-3250	40	3250	28	0.6
L1771.40-3300	40	3300	28	0.6
L1771.40-3350	40	3350	28	0.6
L1771.40-3400	40	3400	28	0.6
L1771.40-3450	40	3450	28	0.6
L1771.40-3500	40	3500	28	0.6
L1771.40-3550	40	3550	28	0.6
L1771.40-3600	40	3600	28	0.6
L1771.40-3650	40	3650	28	0.6
L1771.40-3700	40	3700	28	0.6
L1771.40-3750	40	3750	28	0.6
L1771.40-3800	40	3800	28	0.6
L1771.40-3850	40	3850	28	0.6
L1771.40-3900	40	3900	28	0.6
L1771.40-3950	40	3950	28	0.6
L1771.40-4000	40	4000	28	0.6
L1771.40-4050	40	4050	28	0.6
L1771.40-4100	40	4100	28	0.6
L1771.40-4150	40	4150	28	0.6
L1771.40-4200	40	4200	28	0.6
L1771.40-4250	40	4250	28	0.6
L1771.40-4300	40	4300	28	0.6
L1771.40-4350	40	4350	28	0.6
L1771.40-4400	40	4400	28	0.6
L1771.40-4450	40	4450	28	0.6
L1771.40-4500	40	4500	28	0.6
L1771.40-4550	40	4550	28	0.6
L1771.40-4600	40	4600	28	0.6
L1771.40-4650	40	4650	28	0.6
L1771.40-4700	40	4700	28	0.6
L1771.40-4750	40	4750	28	0.6
L1771.40-4800	40	4800	28	0.6
L1771.40-4850	40	4850	28	0.6
L1771.40-4900	40	4900	28	0.6
L1771.40-4950	40	4950	28	0.6
L1771.40-5000	40	5000	28	0.6



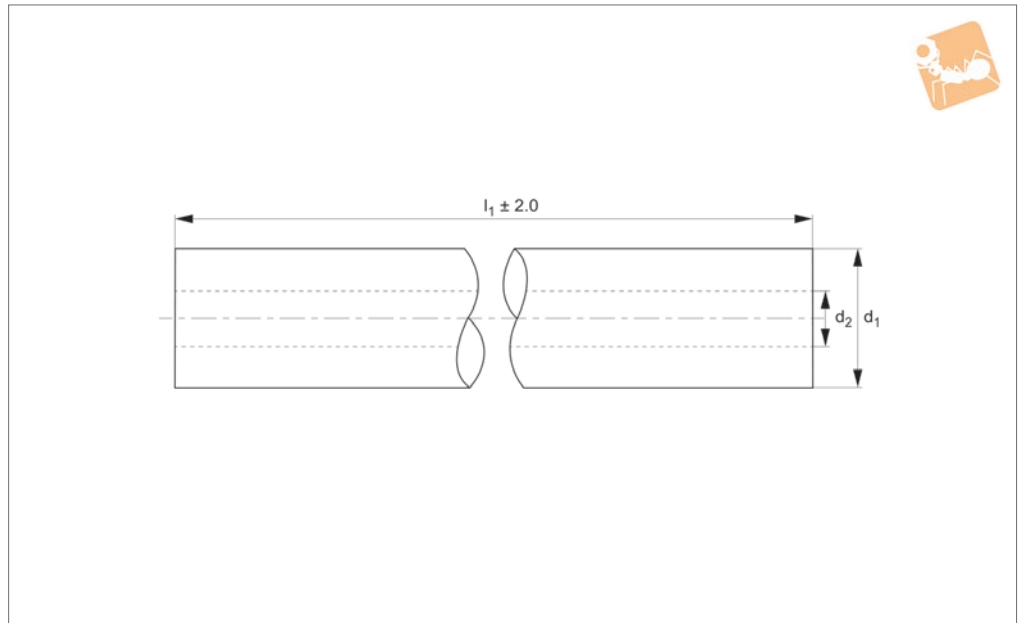
40Ø Hardened Hollow Shafts for linear bearings

Linear Shaft Bars

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.40-5050	40	5050	28	0.6
L1771.40-5100	40	5100	28	0.6
L1771.40-5150	40	5150	28	0.6
L1771.40-5200	40	5200	28	0.6
L1771.40-5250	40	5250	28	0.6
L1771.40-5300	40	5300	28	0.6
L1771.40-5350	40	5350	28	0.6
L1771.40-5400	40	5400	28	0.6
L1771.40-5450	40	5450	28	0.6
L1771.40-5500	40	5500	28	0.6
L1771.40-5550	40	5550	28	0.6
L1771.40-5600	40	5600	28	0.6
L1771.40-5650	40	5650	28	0.6
L1771.40-5700	40	5700	28	0.6
L1771.40-5750	40	5750	28	0.6
L1771.40-5800	40	5800	28	0.6
L1771.40-5850	40	5850	28	0.6
L1771.40-5900	40	5900	28	0.6
L1771.40-5950	40	5950	28	0.6
L1771.40-6000	40	6000	28	0.6



L1771.50



Material

Carbon steel (C60), surface hardness 60-65 HRC. Surface finish 0.3-0.6µ Ra, ground and polished to 8-12 cla.

Technical Notes

Used in linear bearing and guideway

systems where weight reduction is important.

Tolerance, h6 standard, special tolerances upon request.

Suitable for use with linear bearings. Straightness 0,1mm/m.

Tips

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

Shaft lengths are cut to typically ± 2mm, ends are not hardened.

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.50-0100	50	100	28	0.6
L1771.50-0150	50	150	28	0.6
L1771.50-0200	50	200	28	0.6
L1771.50-0250	50	250	28	0.6
L1771.50-0300	50	300	28	0.6
L1771.50-0350	50	350	28	0.6
L1771.50-0400	50	400	28	0.6
L1771.50-0450	50	450	28	0.6
L1771.50-0500	50	500	28	0.6
L1771.50-0550	50	550	28	0.6
L1771.50-0600	50	600	28	0.6
L1771.50-0650	50	650	28	0.6
L1771.50-0700	50	700	28	0.6
L1771.50-0750	50	750	28	0.6
L1771.50-0800	50	800	28	0.6
L1771.50-0850	50	850	28	0.6
L1771.50-0900	50	900	28	0.6
L1771.50-0950	50	950	28	0.6
L1771.50-1000	50	1000	28	0.6
L1771.50-1050	50	1050	28	0.6
L1771.50-1100	50	1100	28	0.6
L1771.50-1150	50	1150	28	0.6
L1771.50-1200	50	1200	28	0.6
L1771.50-1250	50	1250	28	0.6
L1771.50-1300	50	1300	28	0.6
L1771.50-1350	50	1350	28	0.6
L1771.50-1400	50	1400	28	0.6
L1771.50-1450	50	1450	28	0.6
L1771.50-1500	50	1500	28	0.6
L1771.50-1550	50	1550	28	0.6
L1771.50-1600	50	1600	28	0.6



50Ø Hardened Hollow Shafts for linear bearings

Linear Shaft
Bars

Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.50-1650	50	1650	28	0.6
L1771.50-1700	50	1700	28	0.6
L1771.50-1750	50	1750	28	0.6
L1771.50-1800	50	1800	28	0.6
L1771.50-1850	50	1850	28	0.6
L1771.50-1900	50	1900	28	0.6
L1771.50-1950	50	1950	28	0.6
L1771.50-2000	50	2000	28	0.6
L1771.50-2050	50	2050	28	0.6
L1771.50-2100	50	2100	28	0.6
L1771.50-2150	50	2150	28	0.6
L1771.50-2200	50	2200	28	0.6
L1771.50-2250	50	2250	28	0.6
L1771.50-2300	50	2300	28	0.6
L1771.50-2350	50	2350	28	0.6
L1771.50-2400	50	2400	28	0.6
L1771.50-2450	50	2450	28	0.6
L1771.50-2500	50	2500	28	0.6
L1771.50-2550	50	2550	28	0.6
L1771.50-2600	50	2600	28	0.6
L1771.50-2650	50	2650	28	0.6
L1771.50-2700	50	2700	28	0.6
L1771.50-2750	50	2750	28	0.6
L1771.50-2800	50	2800	28	0.6
L1771.50-2850	50	2850	28	0.6
L1771.50-2900	50	2900	28	0.6
L1771.50-2950	50	2950	28	0.6
L1771.50-3000	50	3000	28	0.6
L1771.50-3050	50	3050	28	0.6
L1771.50-3100	50	3100	28	0.6
L1771.50-3150	50	3150	28	0.6
L1771.50-3200	50	3200	28	0.6
L1771.50-3250	50	3250	28	0.6
L1771.50-3300	50	3300	28	0.6
L1771.50-3350	50	3350	28	0.6
L1771.50-3400	50	3400	28	0.6
L1771.50-3450	50	3450	28	0.6
L1771.50-3500	50	3500	28	0.6
L1771.50-3550	50	3550	28	0.6
L1771.50-3600	50	3600	28	0.6
L1771.50-3650	50	3650	28	0.6
L1771.50-3700	50	3700	28	0.6
L1771.50-3750	50	3750	28	0.6
L1771.50-3800	50	3800	28	0.6
L1771.50-3850	50	3850	28	0.6
L1771.50-3900	50	3900	28	0.6
L1771.50-3950	50	3950	28	0.6
L1771.50-4000	50	4000	28	0.6
L1771.50-4050	50	4050	28	0.6
L1771.50-4100	50	4100	28	0.6
L1771.50-4150	50	4150	28	0.6
L1771.50-4200	50	4200	28	0.6
L1771.50-4250	50	4250	28	0.6
L1771.50-4300	50	4300	28	0.6
L1771.50-4350	50	4350	28	0.6
L1771.50-4400	50	4400	28	0.6
L1771.50-4450	50	4450	28	0.6
L1771.50-4500	50	4500	28	0.6
L1771.50-4550	50	4550	28	0.6
L1771.50-4600	50	4600	28	0.6
L1771.50-4650	50	4650	28	0.6
L1771.50-4700	50	4700	28	0.6
L1771.50-4750	50	4750	28	0.6
L1771.50-4800	50	4800	28	0.6
L1771.50-4850	50	4850	28	0.6
L1771.50-4900	50	4900	28	0.6
L1771.50-4950	50	4950	28	0.6
L1771.50-5000	50	5000	28	0.6

LINEAR SHAFT BARS



Order No.	d ₁ tol. h6	l ₁	d ₂ tol. h6	Depth of hardness min.
L1771.50-5050	50	5050	28	0.6
L1771.50-5100	50	5100	28	0.6
L1771.50-5150	50	5150	28	0.6
L1771.50-5200	50	5200	28	0.6
L1771.50-5250	50	5250	28	0.6
L1771.50-5300	50	5300	28	0.6
L1771.50-5350	50	5350	28	0.6
L1771.50-5400	50	5400	28	0.6
L1771.50-5450	50	5450	28	0.6
L1771.50-5500	50	5500	28	0.6
L1771.50-5550	50	5550	28	0.6
L1771.50-5600	50	5600	28	0.6
L1771.50-5650	50	5650	28	0.6
L1771.50-5700	50	5700	28	0.6
L1771.50-5750	50	5750	28	0.6
L1771.50-5800	50	5800	28	0.6
L1771.50-5850	50	5850	28	0.6
L1771.50-5900	50	5900	28	0.6
L1771.50-5950	50	5950	28	0.6
L1771.50-6000	50	6000	28	0.6



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 its 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, dyeing 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)

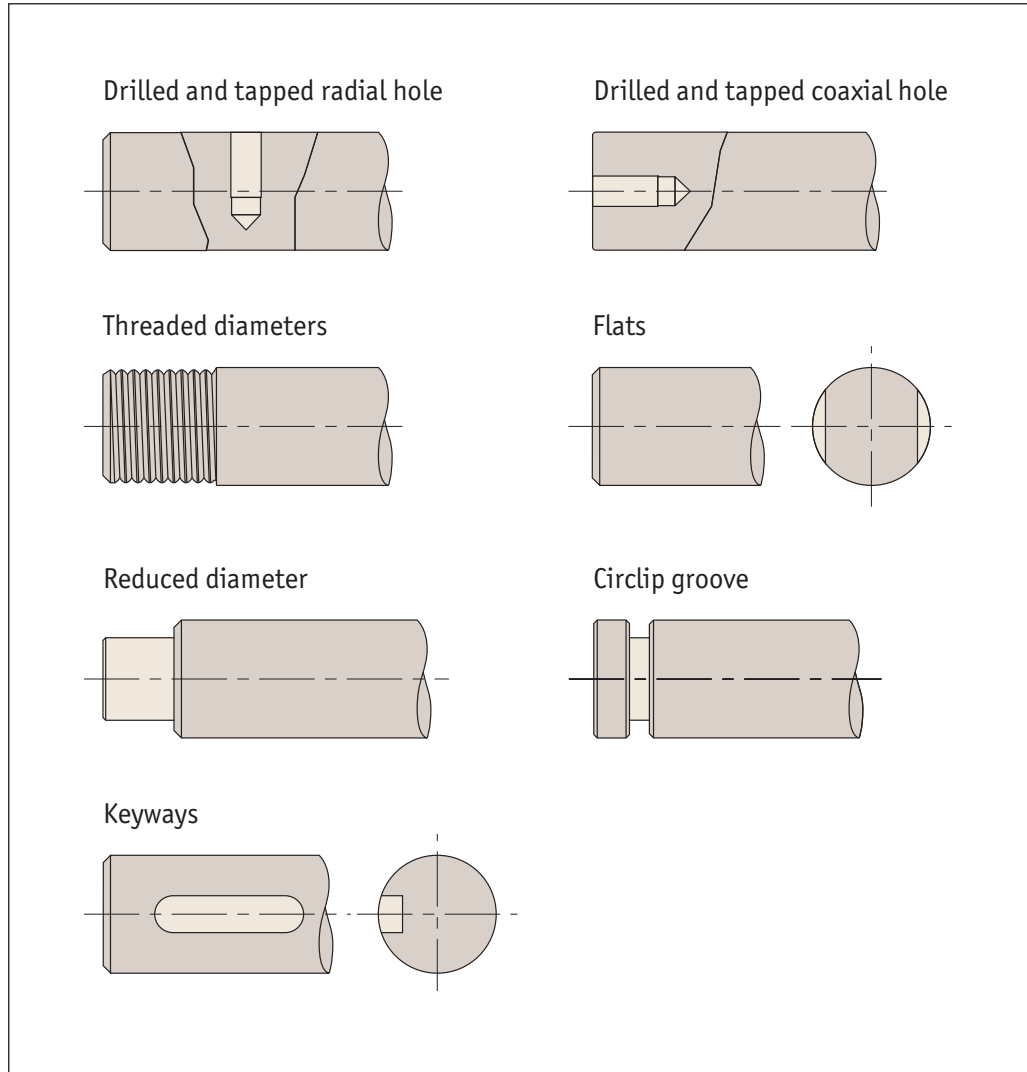
316 is a chromium-nickel-molybdenum austenitic stainless steel with good strength and excellent corrosion resistance, as supplied in the annealed condition. Characterised by high corrosion resistance in marine and industrial atmospheres, it exhibits excellent resistance to chloride attack and against 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.



As well as standard cut to length shafting, Automotion can offer many specials including imperial shafts, different tolerances and non-standard diameters.

We can also machine shafts to your requirements so if you have a specific requirement, please contact our Sales team. Below are examples of just some of the machining we can do to shafting on a quick turnaround.



Linear Shafts from Automotion Components

LINEAR SHAFT BARS