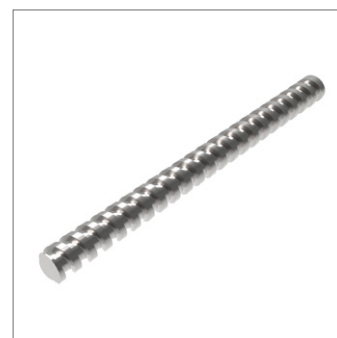
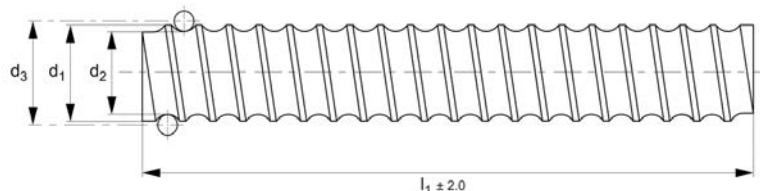
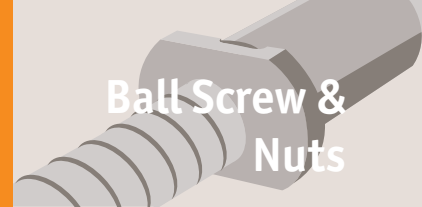




Ø 50 Ball Screws rolled

Ball Screw & Nuts



L1375.50

BALL SCREW & NUTS

Material

Steel (CF53 or C55R), induction hardened to 60 HRC ± 2 , polished.

Technical Notes

Gothic profile with a 10 or 20mm lead.
Tolerance T7 - 50 μ /300mm. Shorter lengths or longer lengths up to a maximum

of 6000mm available.

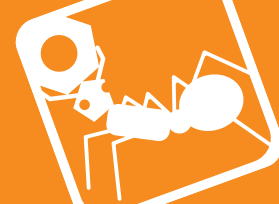
For ball screw nuts see parts L1370-L1374 & L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request.

Important Notes

Ensure the ball nut can be fitted to the ball screw after machining. Do not remove the ball nut from the sleeve prior to installation - the balls come free rendering the ball nut unusable.
d3 = pitch diameter.

Order No.	Screw dia. x lead	Lead w ₁	d ₁	d ₂	d ₃	l ₁	Mass moment of inertia kg·m ²	Weight kg
L1375.50-05-0500	50x05	05	50	45.80	52.15	500	4,19x10 ⁻³	7.18
L1375.50-05-0600	50x05	05	50	45.80	52.15	600	4,19x10 ⁻³	8.61
L1375.50-05-0800	50x05	05	50	45.80	52.15	800	4,19x10 ⁻³	11.48
L1375.50-05-1000	50x05	05	50	45.80	52.15	1000	4,19x10 ⁻³	14.35
L1375.50-05-1500	50x05	05	50	45.80	52.15	1500	4,19x10 ⁻³	21.53
L1375.50-05-2000	50x05	05	50	45.80	52.15	2000	4,19x10 ⁻³	28.70
L1375.50-05-2500	50x05	05	50	45.80	52.15	2500	4,19x10 ⁻³	35.88
L1375.50-05-3000	50x05	05	50	45.80	52.15	3000	4,19x10 ⁻³	43.05
L1375.50-05-3500	50x05	05	50	45.80	52.15	3500	4,19x10 ⁻³	11.48
L1375.50-05-4000	50x05	05	50	45.80	52.15	4000	4,19x10 ⁻³	14.35
L1375.50-05-4500	50x05	05	50	45.80	52.15	4500	4,19x10 ⁻³	21.53
L1375.50-05-5000	50x05	05	50	45.80	52.15	5000	4,19x10 ⁻³	28.70
L1375.50-05-5500	50x05	05	50	45.80	52.15	5500	4,19x10 ⁻³	35.88
L1375.50-05-6000	50x05	05	50	45.80	52.15	6000	4,19x10 ⁻³	43.05
L1375.50-10-0500	50x10	10	50	45.80	52.15	500	4,19x10 ⁻³	7.18
L1375.50-10-0600	50x10	10	50	45.80	52.15	600	4,19x10 ⁻³	8.61
L1375.50-10-0800	50x10	10	50	45.80	52.15	800	4,19x10 ⁻³	11.48
L1375.50-10-1000	50x10	10	50	45.80	52.15	1000	4,19x10 ⁻³	14.35
L1375.50-10-1500	50x10	10	50	45.80	52.15	1500	4,19x10 ⁻³	21.53
L1375.50-10-2000	50x10	10	50	45.80	52.15	2000	4,19x10 ⁻³	28.70
L1375.50-10-2500	50x10	10	50	45.80	52.15	2500	4,19x10 ⁻³	35.88
L1375.50-10-3000	50x10	10	50	45.80	52.15	3000	4,19x10 ⁻³	43.05
L1375.50-10-3500	50x10	10	50	45.80	52.15	3500	4,19x10 ⁻³	11.48
L1375.50-10-4000	50x10	10	50	45.80	52.15	4000	4,19x10 ⁻³	14.35
L1375.50-10-4500	50x10	10	50	45.80	52.15	4500	4,19x10 ⁻³	21.53
L1375.50-10-5000	50x10	10	50	45.80	52.15	5000	4,19x10 ⁻³	28.70
L1375.50-10-5500	50x10	10	50	45.80	52.15	5500	4,19x10 ⁻³	35.88
L1375.50-10-6000	50x10	10	50	45.80	52.15	6000	4,19x10 ⁻³	43.05
L1375.50-20-0500	50x20	20	50	44.05	53.58	500	4,45x10 ⁻³	7.41
L1375.50-20-0600	50x20	20	50	44.05	53.58	600	4,45x10 ⁻³	8.89



Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia $\text{kg}\cdot\text{m}^2$	Weight kg
L1375.50-20-0800	50x20	20	50	44.05	53.58	800	$4,45 \times 10^{-3}$	11.86
L1375.50-20-1000	50x20	20	50	44.05	53.58	1000	$4,45 \times 10^{-3}$	14.82
L1375.50-20-1500	50x20	20	50	44.05	53.58	1500	$4,45 \times 10^{-3}$	22.23
L1375.50-20-2000	50x20	20	50	44.05	53.58	2000	$4,45 \times 10^{-3}$	29.64
L1375.50-20-2500	50x20	20	50	44.05	53.58	2500	$4,45 \times 10^{-3}$	37.05
L1375.50-20-3000	50x20	20	50	44.05	53.58	3000	$4,45 \times 10^{-3}$	44.46
L1375.50-20-3500	50x20	20	50	44.05	53.58	3500	$4,45 \times 10^{-3}$	11.86
L1375.50-20-4000	50x20	20	50	44.05	53.58	4000	$4,45 \times 10^{-3}$	14.82
L1375.50-20-4500	50x20	20	50	44.05	53.58	4500	$4,45 \times 10^{-3}$	22.23
L1375.50-20-5000	50x20	20	50	44.05	53.58	5000	$4,45 \times 10^{-3}$	29.64
L1375.50-20-5500	50x20	20	50	44.05	53.58	5500	$4,45 \times 10^{-3}$	37.05
L1375.50-20-6000	50x20	20	50	44.05	53.58	6000	$4,45 \times 10^{-3}$	44.46
L1375.50-50-0500	50x50	50	50	44.05	53.58	500	$4,45 \times 10^{-3}$	7.30
L1375.50-50-0600	50x50	50	50	44.05	53.58	600	$4,45 \times 10^{-3}$	8.76
L1375.50-50-0800	50x50	50	50	44.05	53.58	800	$4,45 \times 10^{-3}$	11.68
L1375.50-50-1000	50x50	50	50	44.05	53.58	1000	$4,45 \times 10^{-3}$	14.59
L1375.50-50-1500	50x50	50	50	44.05	53.58	1500	$4,45 \times 10^{-3}$	21.89
L1375.50-50-2000	50x50	50	50	44.05	53.58	2000	$4,45 \times 10^{-3}$	29.18
L1375.50-50-2500	50x50	50	50	44.05	53.58	2500	$4,45 \times 10^{-3}$	36.48
L1375.50-50-3000	50x50	50	50	44.05	53.58	3000	$4,45 \times 10^{-3}$	43.77
L1375.50-50-3500	50x50	50	50	44.05	53.58	3500	$4,45 \times 10^{-3}$	11.68
L1375.50-50-4000	50x50	50	50	44.05	53.58	4000	$4,45 \times 10^{-3}$	14.59
L1375.50-50-4500	50x50	50	50	44.05	53.58	4500	$4,45 \times 10^{-3}$	21.89
L1375.50-50-5000	50x50	50	50	44.05	53.58	5000	$4,45 \times 10^{-3}$	29.18
L1375.50-50-5500	50x50	50	50	44.05	53.58	5500	$4,45 \times 10^{-3}$	36.48
L1375.50-50-6000	50x50	50	50	44.05	53.58	6000	$4,45 \times 10^{-3}$	43.77
L1375.50-100-0500	50x100	100	50	44.05	53.58	500	$4,45 \times 10^{-3}$	7.30
L1375.50-100-0600	50x100	100	50	44.05	53.58	600	$4,45 \times 10^{-3}$	8.76
L1375.50-100-0800	50x100	100	50	44.05	53.58	800	$4,45 \times 10^{-3}$	11.68
L1375.50-100-1000	50x100	100	50	44.05	53.58	1000	$4,45 \times 10^{-3}$	14.59
L1375.50-100-1500	50x100	100	50	44.05	53.58	1500	$4,45 \times 10^{-3}$	21.89
L1375.50-100-2000	50x100	100	50	44.05	53.58	2000	$4,45 \times 10^{-3}$	29.18
L1375.50-100-2500	50x100	100	50	44.05	53.58	2500	$4,45 \times 10^{-3}$	36.48
L1375.50-100-3000	50x100	100	50	44.05	53.58	3000	$4,45 \times 10^{-3}$	43.77
L1375.50-100-3500	50x100	100	50	44.05	53.58	3500	$4,45 \times 10^{-3}$	11.68
L1375.50-100-4000	50x100	100	50	44.05	53.58	4000	$4,45 \times 10^{-3}$	14.59
L1375.50-100-4500	50x100	100	50	44.05	53.58	4500	$4,45 \times 10^{-3}$	21.89
L1375.50-100-5000	50x100	100	50	44.05	53.58	5000	$4,45 \times 10^{-3}$	29.18
L1375.50-100-5500	50x100	100	50	44.05	53.58	5500	$4,45 \times 10^{-3}$	36.48
L1375.50-100-6000	50x100	100	50	44.05	53.58	6000	$4,45 \times 10^{-3}$	43.77