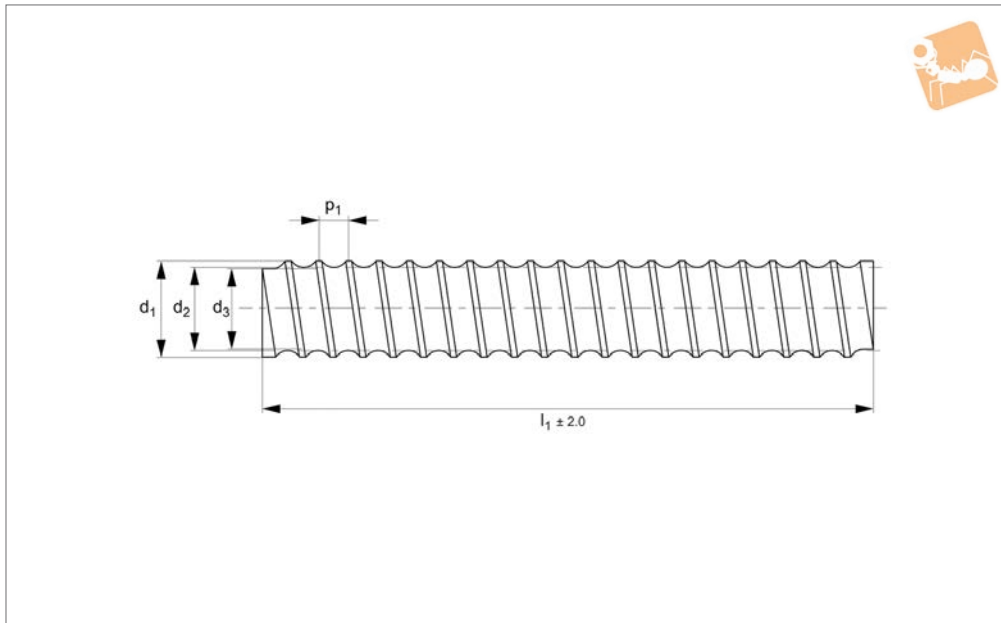
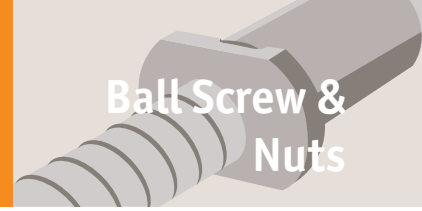




# Ø 50 Ball Screws rolled

## Ball Screw & Nuts



## L1375.50

BALL SCREW & NUTS

### Material

Steel (CF53 or C55R), induction hardened to 60 HRC  $\pm 2$ , polished.

### Technical Notes

Gothic profile with a 10 or 20mm lead. Tolerance T7 - 50 $\mu$ /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.

Order No.	Screw dia. x lead	Lead $w_1$	$d_1$	$d_2$	$d_3$	$l_1$	Mass moment of inertia $kg \cdot m^2$	Weight $kg$
L1375.50-05-0500	50x05	05	52.15	50	45.80	500	$4,19 \times 10^{-3}$	7.18
L1375.50-05-0600	50x05	05	52.15	50	45.80	600	$4,19 \times 10^{-3}$	8.61
L1375.50-05-0800	50x05	05	52.15	50	45.80	800	$4,19 \times 10^{-3}$	11.48
L1375.50-05-1000	50x05	05	52.15	50	45.80	1000	$4,19 \times 10^{-3}$	14.35
L1375.50-05-1500	50x05	05	52.15	50	45.80	1500	$4,19 \times 10^{-3}$	21.53
L1375.50-05-2000	50x05	05	52.15	50	45.80	2000	$4,19 \times 10^{-3}$	28.70
L1375.50-05-2500	50x05	05	52.15	50	45.80	2500	$4,19 \times 10^{-3}$	35.88
L1375.50-05-3000	50x05	05	52.15	50	45.80	3000	$4,19 \times 10^{-3}$	43.05
L1375.50-05-3500	50x05	05	52.15	50	45.80	3500	$4,19 \times 10^{-3}$	11.48
L1375.50-05-4000	50x05	05	52.15	50	45.80	4000	$4,19 \times 10^{-3}$	14.35
L1375.50-05-4500	50x05	05	52.15	50	45.80	4500	$4,19 \times 10^{-3}$	21.53
L1375.50-05-5000	50x05	05	52.15	50	45.80	5000	$4,19 \times 10^{-3}$	28.70
L1375.50-05-5500	50x05	05	52.15	50	45.80	5500	$4,19 \times 10^{-3}$	35.88
L1375.50-05-6000	50x05	05	52.15	50	45.80	6000	$4,19 \times 10^{-3}$	43.05
L1375.50-10-0500	50x10	10	52.15	50	45.80	500	$4,19 \times 10^{-3}$	7.18
L1375.50-10-0600	50x10	10	52.15	50	45.80	600	$4,19 \times 10^{-3}$	8.61
L1375.50-10-0800	50x10	10	52.15	50	45.80	800	$4,19 \times 10^{-3}$	11.48
L1375.50-10-1000	50x10	10	52.15	50	45.80	1000	$4,19 \times 10^{-3}$	14.35
L1375.50-10-1500	50x10	10	52.15	50	45.80	1500	$4,19 \times 10^{-3}$	21.53
L1375.50-10-2000	50x10	10	52.15	50	45.80	2000	$4,19 \times 10^{-3}$	28.70
L1375.50-10-2500	50x10	10	52.15	50	45.80	2500	$4,19 \times 10^{-3}$	35.88
L1375.50-10-3000	50x10	10	52.15	50	45.80	3000	$4,19 \times 10^{-3}$	43.05
L1375.50-10-3500	50x10	10	52.15	50	45.80	3500	$4,19 \times 10^{-3}$	11.48
L1375.50-10-4000	50x10	10	52.15	50	45.80	4000	$4,19 \times 10^{-3}$	14.35
L1375.50-10-4500	50x10	10	52.15	50	45.80	4500	$4,19 \times 10^{-3}$	21.53
L1375.50-10-5000	50x10	10	52.15	50	45.80	5000	$4,19 \times 10^{-3}$	28.70
L1375.50-10-5500	50x10	10	52.15	50	45.80	5500	$4,19 \times 10^{-3}$	35.88
L1375.50-10-6000	50x10	10	52.15	50	45.80	6000	$4,19 \times 10^{-3}$	43.05
L1375.50-20-0500	50x20	20	53.58	50	44.05	500	$4,45 \times 10^{-3}$	7.41
L1375.50-20-0600	50x20	20	53.58	50	44.05	600	$4,45 \times 10^{-3}$	8.89



Order No.	Screw dia. x lead	Lead $w_1$	$d_1$	$d_2$	$d_3$	$l_1$	Mass moment of inertia kg·m <sup>2</sup>	Weight kg
L1375.50-20-0800	50x20	20	53.58	50	44.05	800	4,45x10 <sup>-3</sup>	11.86
L1375.50-20-1000	50x20	20	53.58	50	44.05	1000	4,45x10 <sup>-3</sup>	14.82
L1375.50-20-1500	50x20	20	53.58	50	44.05	1500	4,45x10 <sup>-3</sup>	22.23
L1375.50-20-2000	50x20	20	53.58	50	44.05	2000	4,45x10 <sup>-3</sup>	29.64
L1375.50-20-2500	50x20	20	53.58	50	44.05	2500	4,45x10 <sup>-3</sup>	37.05
L1375.50-20-3000	50x20	20	53.58	50	44.05	3000	4,45x10 <sup>-3</sup>	44.46
L1375.50-20-3500	50x20	20	53.58	50	44.05	3500	4,45x10 <sup>-3</sup>	11.86
L1375.50-20-4000	50x20	20	53.58	50	44.05	4000	4,45x10 <sup>-3</sup>	14.82
L1375.50-20-4500	50x20	20	53.58	50	44.05	4500	4,45x10 <sup>-3</sup>	22.23
L1375.50-20-5000	50x20	20	53.58	50	44.05	5000	4,45x10 <sup>-3</sup>	29.64
L1375.50-20-5500	50x20	20	53.58	50	44.05	5500	4,45x10 <sup>-3</sup>	37.05
L1375.50-20-6000	50x20	20	53.58	50	44.05	6000	4,45x10 <sup>-3</sup>	44.46
L1375.50-50-0500	50x50	50	53.58	50	44.05	500	4,45x10 <sup>-3</sup>	7.30
L1375.50-50-0600	50x50	50	53.58	50	44.05	600	4,45x10 <sup>-3</sup>	8.76
L1375.50-50-0800	50x50	50	53.58	50	44.05	800	4,45x10 <sup>-3</sup>	11.68
L1375.50-50-1000	50x50	50	53.58	50	44.05	1000	4,45x10 <sup>-3</sup>	14.59
L1375.50-50-1500	50x50	50	53.58	50	44.05	1500	4,45x10 <sup>-3</sup>	21.89
L1375.50-50-2000	50x50	50	53.58	50	44.05	2000	4,45x10 <sup>-3</sup>	29.18
L1375.50-50-2500	50x50	50	53.58	50	44.05	2500	4,45x10 <sup>-3</sup>	36.48
L1375.50-50-3000	50x50	50	53.58	50	44.05	3000	4,45x10 <sup>-3</sup>	43.77
L1375.50-50-3500	50x50	50	53.58	50	44.05	3500	4,45x10 <sup>-3</sup>	11.68
L1375.50-50-4000	50x50	50	53.58	50	44.05	4000	4,45x10 <sup>-3</sup>	14.59
L1375.50-50-4500	50x50	50	53.58	50	44.05	4500	4,45x10 <sup>-3</sup>	21.89
L1375.50-50-5000	50x50	50	53.58	50	44.05	5000	4,45x10 <sup>-3</sup>	29.18
L1375.50-50-5500	50x50	50	53.58	50	44.05	5500	4,45x10 <sup>-3</sup>	36.48
L1375.50-50-6000	50x50	50	53.58	50	44.05	6000	4,45x10 <sup>-3</sup>	43.77
L1375.50-100-0500	50x100	100	53.58	50	44.05	500	4,45x10 <sup>-3</sup>	7.30
L1375.50-100-0600	50x100	100	53.58	50	44.05	600	4,45x10 <sup>-3</sup>	8.76
L1375.50-100-0800	50x100	100	53.58	50	44.05	800	4,45x10 <sup>-3</sup>	11.68
L1375.50-100-1000	50x100	100	53.58	50	44.05	1000	4,45x10 <sup>-3</sup>	14.59
L1375.50-100-1500	50x100	100	53.58	50	44.05	1500	4,45x10 <sup>-3</sup>	21.89
L1375.50-100-2000	50x100	100	53.58	50	44.05	2000	4,45x10 <sup>-3</sup>	29.18
L1375.50-100-2500	50x100	100	53.58	50	44.05	2500	4,45x10 <sup>-3</sup>	36.48
L1375.50-100-3000	50x100	100	53.58	50	44.05	3000	4,45x10 <sup>-3</sup>	43.77
L1375.50-100-3500	50x100	100	53.58	50	44.05	3500	4,45x10 <sup>-3</sup>	11.68
L1375.50-100-4000	50x100	100	53.58	50	44.05	4000	4,45x10 <sup>-3</sup>	14.59
L1375.50-100-4500	50x100	100	53.58	50	44.05	4500	4,45x10 <sup>-3</sup>	21.89
L1375.50-100-5000	50x100	100	53.58	50	44.05	5000	4,45x10 <sup>-3</sup>	29.18
L1375.50-100-5500	50x100	100	53.58	50	44.05	5500	4,45x10 <sup>-3</sup>	36.48
L1375.50-100-6000	50x100	100	53.58	50	44.05	6000	4,45x10 <sup>-3</sup>	43.77