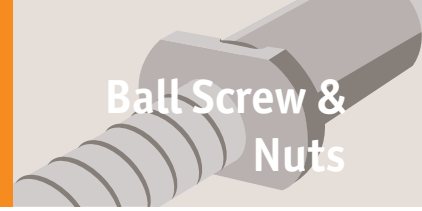
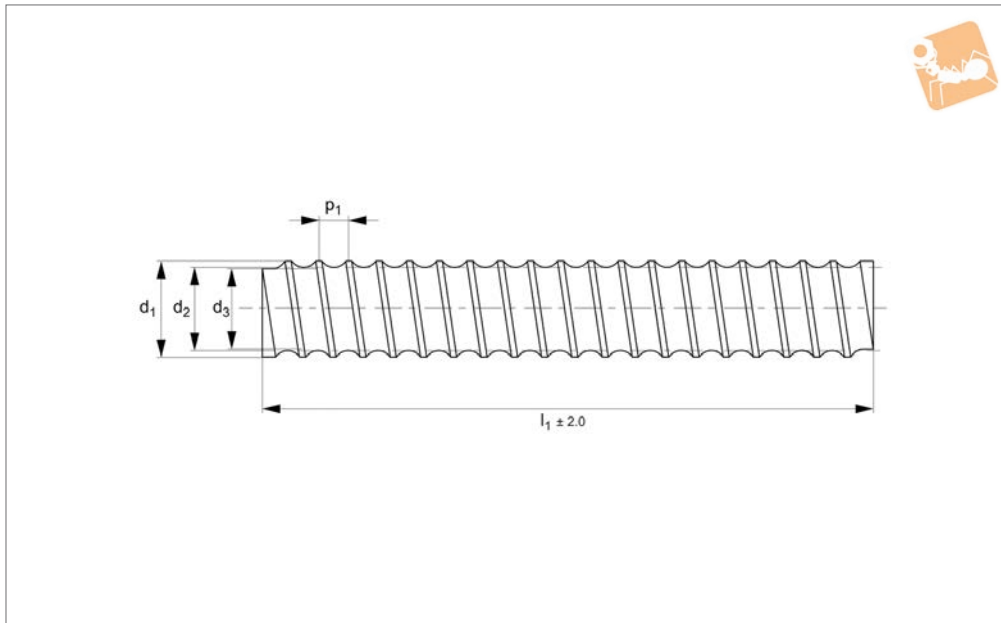




# Ø 25 Ball Screws rolled



## Ball Screw & Nuts



### L1375.25

BALL SCREW & NUTS

#### Material

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

#### Technical Notes

Gothic profile with a 5, 10 or 2mm 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 $kg$
L1375.25-05-0500	25x 5	5	26.08	25	22.9	500	$2,62 \times 10^{-4}$	1.80
L1375.25-05-0600	25x 5	5	26.08	25	22.9	600	$2,62 \times 10^{-4}$	2.15
L1375.25-05-0800	25x 5	5	26.08	25	22.9	800	$2,62 \times 10^{-4}$	2.87
L1375.25-05-1000	25x 5	5	26.08	25	22.9	1000	$2,62 \times 10^{-4}$	3.59
L1375.25-05-1500	25x 5	5	26.08	25	22.9	1500	$2,62 \times 10^{-4}$	5.39
L1375.25-05-2000	25x 5	5	26.08	25	22.9	2000	$2,62 \times 10^{-4}$	7.18
L1375.25-05-2500	25x 5	5	26.08	25	22.9	2500	$2,62 \times 10^{-4}$	8.98
L1375.25-05-3000	25x 5	5	26.08	25	22.9	3000	$2,62 \times 10^{-4}$	10.77
L1375.25-05-3500	25x 5	5	26.08	25	22.9	3500	$2,62 \times 10^{-4}$	2.87
L1375.25-05-4000	25x 5	5	26.08	25	22.9	4000	$2,62 \times 10^{-4}$	3.59
L1375.25-05-4500	25x 5	5	26.08	25	22.9	4500	$2,62 \times 10^{-4}$	5.39
L1375.25-05-5000	25x 5	5	26.08	25	22.9	5000	$2,62 \times 10^{-4}$	7.18
L1375.25-05-5500	25x 5	5	26.08	25	22.9	5500	$2,62 \times 10^{-4}$	8.98
L1375.25-05-6000	25x 5	5	26.08	25	22.9	6000	$2,62 \times 10^{-4}$	10.77
L1375.25-10-0500	25x10	10	27.15	25	20.8	500	$2,94 \times 10^{-4}$	1.91
L1375.25-10-0600	25x10	10	27.15	25	20.8	600	$2,94 \times 10^{-4}$	2.29
L1375.25-10-0800	25x10	10	27.15	25	20.8	800	$2,94 \times 10^{-4}$	3.05
L1375.25-10-1000	25x10	10	27.15	25	20.8	1000	$2,94 \times 10^{-4}$	3.81
L1375.25-10-1500	25x10	10	27.15	25	20.8	1500	$2,94 \times 10^{-4}$	5.72
L1375.25-10-2000	25x10	10	27.15	25	20.8	2000	$2,94 \times 10^{-4}$	7.62
L1375.25-10-2500	25x10	10	27.15	25	20.8	2500	$2,94 \times 10^{-4}$	9.53
L1375.25-10-3000	25x10	10	27.15	25	20.8	3000	$2,94 \times 10^{-4}$	11.43
L1375.25-10-3500	25x10	10	26.08	25	22.9	3500	$2,62 \times 10^{-4}$	2.87
L1375.25-10-4000	25x10	10	26.08	25	22.9	4000	$2,62 \times 10^{-4}$	3.59
L1375.25-10-4500	25x10	10	26.08	25	22.9	4500	$2,62 \times 10^{-4}$	5.39
L1375.25-10-5000	25x10	10	26.08	25	22.9	5000	$2,62 \times 10^{-4}$	7.18
L1375.25-10-5500	25x10	10	26.08	25	22.9	5500	$2,62 \times 10^{-4}$	8.98
L1375.25-10-6000	25x10	10	26.08	25	22.9	6000	$2,62 \times 10^{-4}$	10.77
L1375.25-25-0500	25x25	25	26.09	25	22.9	500	$2,60 \times 10^{-4}$	1.82
L1375.25-25-0600	25x25	25	26.09	25	22.9	600	$2,60 \times 10^{-4}$	2.18



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
L1375.25-25-0800	25x25	25	26.09	25	22.9	800	2,60x10 <sup>-4</sup>	2.91
L1375.25-25-1000	25x25	25	26.09	25	22.9	1000	2,60x10 <sup>-4</sup>	3.64
L1375.25-25-1500	25x25	25	26.09	25	22.9	1500	2,60x10 <sup>-4</sup>	5.46
L1375.25-25-2000	25x25	25	26.09	25	22.9	2000	2,60x10 <sup>-4</sup>	7.28
L1375.25-25-2500	25x25	25	26.09	25	22.9	2500	2,60x10 <sup>-4</sup>	9.10
L1375.25-25-3000	25x25	25	26.09	25	22.9	3000	2,60x10 <sup>-4</sup>	10.92
L1375.25-25-3500	25x25	25	26.08	25	22.9	3500	2,62x10 <sup>-4</sup>	2.87
L1375.25-25-4000	25x25	25	26.08	25	22.9	4000	2,62x10 <sup>-4</sup>	3.59
L1375.25-25-4500	25x25	25	26.08	25	22.9	4500	2,62x10 <sup>-4</sup>	5.39
L1375.25-25-5000	25x25	25	26.08	25	22.9	5000	2,62x10 <sup>-4</sup>	7.18
L1375.25-25-5500	25x25	25	26.08	25	22.9	5500	2,62x10 <sup>-4</sup>	8.98
L1375.25-25-6000	25x25	25	26.08	25	22.9	6000	2,62x10 <sup>-4</sup>	10.77
L1375.25-50-0500	25x50	50	26.09	25	22.9	500	2,60x10 <sup>-4</sup>	1.82
L1375.25-50-0600	25x50	50	26.09	25	22.9	600	2,60x10 <sup>-4</sup>	2.18
L1375.25-50-0800	25x50	50	26.09	25	22.9	800	2,60x10 <sup>-4</sup>	2.91
L1375.25-50-1000	25x50	50	26.09	25	22.9	1000	2,60x10 <sup>-4</sup>	3.64
L1375.25-50-1500	25x50	50	26.09	25	22.9	1500	2,60x10 <sup>-4</sup>	5.46
L1375.25-50-2000	25x50	50	26.09	25	22.9	2000	2,60x10 <sup>-4</sup>	7.28
L1375.25-50-2500	25x50	50	26.09	25	22.9	2500	2,60x10 <sup>-4</sup>	9.10
L1375.25-50-3000	25x50	50	26.09	25	22.9	3000	2,60x10 <sup>-4</sup>	10.92
L1375.25-50-3500	25x50	50	26.08	25	22.9	3500	2,62x10 <sup>-4</sup>	2.87
L1375.25-50-4000	25x50	50	26.08	25	22.9	4000	2,62x10 <sup>-4</sup>	3.59
L1375.25-50-4500	25x50	50	26.08	25	22.9	4500	2,62x10 <sup>-4</sup>	5.39
L1375.25-50-5000	25x50	50	26.08	25	22.9	5000	2,62x10 <sup>-4</sup>	7.18
L1375.25-50-5500	25x50	50	26.08	25	22.9	5500	2,62x10 <sup>-4</sup>	8.98
L1375.25-50-6000	25x50	50	26.08	25	22.9	6000	2,62x10 <sup>-4</sup>	10.77