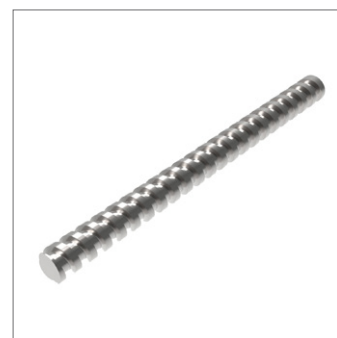
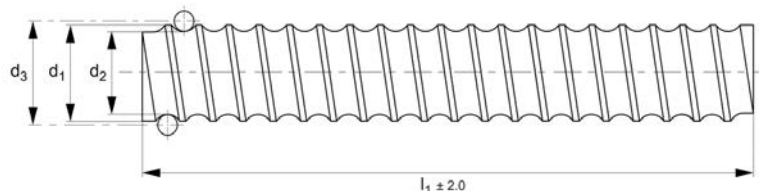
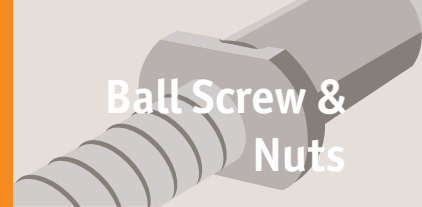




Ø 32 Ball Screws rolled

Ball Screw & Nuts



L1375.32

BALL SCREW & NUTS

Material

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

Technical Notes

Gothic profile with a 5, 10, 20 or 40mm 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.

Also available as a left hand thread for

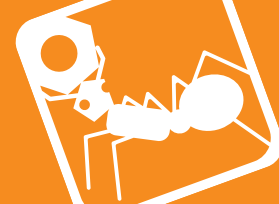
5mm pitch.

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
L1375.32-05-0500	32x 5	5	32	29.90	33.08	500	7,25x10 ⁻⁴	2.99
L1375.32-05-0600	32x 5	5	32	29.90	33.08	600	7,25x10 ⁻⁴	3.59
L1375.32-05-0800	32x 5	5	32	29.90	33.08	800	7,25x10 ⁻⁴	4.78
L1375.32-05-1000	32x 5	5	32	29.90	33.08	1000	7,25x10 ⁻⁴	5.98
L1375.32-05-1500	32x 5	5	32	29.90	33.08	1500	7,25x10 ⁻⁴	8.97
L1375.32-05-2000	32x 5	5	32	29.90	33.08	2000	7,25x10 ⁻⁴	11.96
L1375.32-05-2500	32x 5	5	32	29.90	33.08	2500	7,25x10 ⁻⁴	14.95
L1375.32-05-3000	32x 5	5	32	29.90	33.08	3000	7,25x10 ⁻⁴	17.94
L1375.32-05-3500	32x 5	5	32	29.90	33.08	3500	7,25x10 ⁻⁴	4.78
L1375.32-05-4000	32x 5	5	32	29.90	33.08	4000	7,25x10 ⁻⁴	5.98
L1375.32-05-4500	32x 5	5	32	29.90	33.08	4500	7,25x10 ⁻⁴	8.97
L1375.32-05-5000	32x 5	5	32	29.90	33.08	5000	7,25x10 ⁻⁴	11.96
L1375.32-05-5500	32x 5	5	32	29.90	33.08	5500	7,25x10 ⁻⁴	14.95
L1375.32-05-6000	32x 5	5	32	29.90	33.08	6000	7,25x10 ⁻⁴	14.95
L1375.32-10-0500	32x10	10	32	27.80	34.15	500	7,69x10 ⁻⁴	3.08
L1375.32-10-0600	32x10	10	32	27.80	34.15	600	7,69x10 ⁻⁴	3.70
L1375.32-10-0800	32x10	10	32	27.80	34.15	800	7,69x10 ⁻⁴	4.93
L1375.32-10-1000	32x10	10	32	27.80	34.15	1000	7,69x10 ⁻⁴	6.16
L1375.32-10-1500	32x10	10	32	27.80	34.15	1500	7,69x10 ⁻⁴	9.24
L1375.32-10-2000	32x10	10	32	27.80	34.15	2000	7,69x10 ⁻⁴	12.32
L1375.32-10-2500	32x10	10	32	27.80	34.15	2500	7,69x10 ⁻⁴	15.40
L1375.32-10-3000	32x10	10	32	27.80	34.15	3000	7,69x10 ⁻⁴	18.48
L1375.32-10-3500	32x10	10	32	29.90	33.08	3500	7,25x10 ⁻⁴	4.78
L1375.32-10-4000	32x10	10	32	29.90	33.08	4000	7,25x10 ⁻⁴	5.98
L1375.32-10-4500	32x10	10	32	29.90	33.08	4500	7,25x10 ⁻⁴	8.97
L1375.32-10-5000	32x10	10	32	29.90	33.08	5000	7,25x10 ⁻⁴	11.96
L1375.32-10-5500	32x10	10	32	29.90	33.08	5500	7,25x10 ⁻⁴	14.95
L1375.32-10-6000	32x10	10	32	29.90	33.08	6000	7,25x10 ⁻⁴	14.95
L1375.32-20-0500	32x20	20	32	29.38	33.35	500	7,76x10 ⁻⁴	3.19



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
L1375.32-20-0600	32x20	20	32	29.38	33.35	600	$7,76 \times 10^{-4}$	3.82
L1375.32-20-0800	32x20	20	32	29.38	33.35	800	$7,76 \times 10^{-4}$	5.10
L1375.32-20-1000	32x20	20	32	29.38	33.35	1000	$7,76 \times 10^{-4}$	6.37
L1375.32-20-1500	32x20	20	32	29.38	33.35	1500	$7,76 \times 10^{-4}$	9.56
L1375.32-20-2000	32x20	20	32	29.38	33.35	2000	$7,76 \times 10^{-4}$	12.74
L1375.32-20-2500	32x20	20	32	29.38	33.35	2500	$7,76 \times 10^{-4}$	15.93
L1375.32-20-3000	32x20	20	32	29.38	33.35	3000	$7,76 \times 10^{-4}$	19.11
L1375.32-20-3500	32x20	20	32	29.90	33.08	3500	$7,25 \times 10^{-4}$	4.78
L1375.32-20-4000	32x20	20	32	29.90	33.08	4000	$7,25 \times 10^{-4}$	5.98
L1375.32-20-4500	32x20	20	32	29.90	33.08	4500	$7,25 \times 10^{-4}$	8.97
L1375.32-20-5000	32x20	20	32	29.90	33.08	5000	$7,25 \times 10^{-4}$	11.96
L1375.32-20-5500	32x20	20	32	29.90	33.08	5500	$7,25 \times 10^{-4}$	14.95
L1375.32-20-6000	32x20	20	32	29.90	33.08	6000	$7,25 \times 10^{-4}$	14.95
L1375.32-32-0500	32x32	32	32	28.40	32.35	500	$6,89 \times 10^{-4}$	2.91
L1375.32-32-0600	32x32	32	32	28.40	32.35	600	$6,89 \times 10^{-4}$	3.49
L1375.32-32-0800	32x32	32	32	28.40	32.35	800	$6,89 \times 10^{-4}$	4.65
L1375.32-32-1000	32x32	32	32	28.40	32.35	1000	$6,89 \times 10^{-4}$	5.81
L1375.32-32-1500	32x32	32	32	28.40	32.35	1500	$6,89 \times 10^{-4}$	8.72
L1375.32-32-2000	32x32	32	32	28.40	32.35	2000	$6,89 \times 10^{-4}$	11.62
L1375.32-32-2500	32x32	32	32	28.40	32.35	2500	$6,89 \times 10^{-4}$	14.53
L1375.32-32-3000	32x32	32	32	28.40	32.35	3000	$6,89 \times 10^{-4}$	17.43
L1375.32-32-3500	32x32	32	32	28.40	32.35	3500	$6,89 \times 10^{-4}$	4.65
L1375.32-32-4000	32x32	32	32	28.40	32.35	4000	$6,89 \times 10^{-4}$	5.81
L1375.32-32-4500	32x32	32	32	28.40	32.35	4500	$6,89 \times 10^{-4}$	8.72
L1375.32-32-5000	32x32	32	32	28.40	32.35	5000	$6,89 \times 10^{-4}$	11.62
L1375.32-32-5500	32x32	32	32	28.40	32.35	5500	$6,89 \times 10^{-4}$	14.53
L1375.32-32-6000	32x32	32	32	28.40	32.35	6000	$6,89 \times 10^{-4}$	17.43
L1375.32-64-0500	32x64	64	32	28.40	32.35	500	$6,89 \times 10^{-4}$	2.91
L1375.32-64-0600	32x64	64	32	28.40	32.35	600	$6,89 \times 10^{-4}$	3.49
L1375.32-64-0800	32x64	64	32	28.40	32.35	800	$6,89 \times 10^{-4}$	4.65
L1375.32-64-1000	32x64	64	32	28.40	32.35	1000	$6,89 \times 10^{-4}$	5.81
L1375.32-64-1500	32x64	64	32	28.40	32.35	1500	$6,89 \times 10^{-4}$	8.72
L1375.32-64-2000	32x64	64	32	28.40	32.35	2000	$6,89 \times 10^{-4}$	11.62
L1375.32-64-2500	32x64	64	32	28.40	32.35	2500	$6,89 \times 10^{-4}$	14.53
L1375.32-64-3000	32x64	64	32	28.40	32.35	3000	$6,89 \times 10^{-4}$	17.43
L1375.32-64-3500	32x64	64	32	28.40	32.35	3500	$6,89 \times 10^{-4}$	4.65
L1375.32-64-4000	32x64	64	32	28.40	32.35	4000	$6,89 \times 10^{-4}$	5.81
L1375.32-64-4500	32x64	64	32	28.40	32.35	4500	$6,89 \times 10^{-4}$	8.72
L1375.32-64-5000	32x64	64	32	28.40	32.35	5000	$6,89 \times 10^{-4}$	11.62
L1375.32-64-5500	32x64	64	32	28.40	32.35	5500	$6,89 \times 10^{-4}$	14.53
L1375.32-64-6000	32x64	64	32	28.40	32.35	6000	$6,89 \times 10^{-4}$	17.43