



L1385.16

Material

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

Technical notes

Gothic profile with a 5 or 10mm lead. Tolerance T7 - 50 μ /300mm. Shorter

lengths or longer lengths up to a maximum of 5600mm available. For ball screw nuts see parts L1380-L1385.

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 \varnothing x lead	d_1	l	Lead	d_2	d_3	Mass moment of inertia (kg*m ² /m)	$\delta_{\pm\Delta}$ Kg
L1385.16-04-0500	16x04	16,82	500	4	16	14,40	4,35x10 ⁻⁵	0,73
L1385.16-04-0600	16x04	16,82	600	4	16	14,40	4,35x10 ⁻⁵	0,88
L1385.16-04-0800	16x04	16,82	800	4	16	14,40	4,35x10 ⁻⁵	1,17
L1385.16-04-1000	16x04	16,82	1000	4	16	14,40	4,35x10 ⁻⁵	1,46
L1385.16-04-1500	16x04	16,82	1500	4	16	14,40	4,35x10 ⁻⁵	2,19
L1385.16-04-2000	16x04	16,82	2000	4	16	14,40	4,35x10 ⁻⁵	2,92
L1385.16-04-2500	16x04	16,82	2500	4	16	14,40	4,35x10 ⁻⁵	3,65
L1385.16-04-3000	16x04	16,82	3000	4	16	14,40	4,35x10 ⁻⁵	4,38
L1385.16-05-0500	16x 5	17,08	500	5	16	13,90	4,45x10 ⁻⁵	0,71
L1385.16-05-0600	16x 5	17,08	600	5	16	13,90	4,45x10 ⁻⁵	0,845
L1385.16-05-0800	16x 5	17,08	800	5	16	13,90	4,45x10 ⁻⁵	1,13
L1385.16-05-1000	16x 5	17,08	1000	5	16	13,90	4,45x10 ⁻⁵	1,41
L1385.16-05-1500	16x 5	17,08	1500	5	16	13,90	4,45x10 ⁻⁵	2,12
L1385.16-05-2000	16x 5	17,08	2000	5	16	13,90	4,45x10 ⁻⁵	2,82
L1385.16-05-2500	16x 5	17,08	2500	5	16	13,90	4,45x10 ⁻⁵	3,53
L1385.16-05-3000	16x 5	17,08	3000	5	16	13,90	4,45x10 ⁻⁵	4,23
L1385.16-10-0500	16x10	17,08	500	10	16	12,90	4,36x10 ⁻⁵	0,73
L1385.16-10-0600	16x10	17,08	600	10	16	12,90	4,36x10 ⁻⁵	0,88
L1385.16-10-0800	16x10	17,08	800	10	16	12,90	4,36x10 ⁻⁵	1,17
L1385.16-10-1000	16x10	17,08	1000	10	16	12,90	4,36x10 ⁻⁵	1,46
L1385.16-10-1500	16x10	17,08	1500	10	16	12,90	4,36x10 ⁻⁵	2,19
L1385.16-10-2000	16x10	17,08	2000	10	16	12,90	4,36x10 ⁻⁵	2,92
L1385.16-10-2500	16x10	17,08	2500	10	16	12,90	4,36x10 ⁻⁵	3,65
L1385.16-10-3000	16x10	17,08	3000	10	16	12,90	4,36x10 ⁻⁵	4,38

Order.No	Screw Ø x lead	d ₁	l	Lead	d ₂	d ₃	Mass moment of inertia (kg*m ² /m)	$\frac{m}{l}$ Kg
L1385.16-16-0500	16x16	15,67	500	16	16	12,90	3,34x10 ⁻⁵	0,63
L1385.16-16-0600	16x16	17,08	600	16	16	12,90	3,34x10 ⁻⁵	0,76
L1385.16-16-0800	16x16	17,08	800	16	16	12,90	3,34x10 ⁻⁵	1,04
L1385.16-16-1000	16x16	17,08	1000	16	16	12,90	3,34x10 ⁻⁵	1,31
L1385.16-16-1500	16x16	17,08	1500	16	16	12,90	3,34x10 ⁻⁵	1,97
L1385.16-16-2000	16x16	17,08	2000	16	16	12,90	3,34x10 ⁻⁵	2,62
L1385.16-16-2500	16x16	17,08	2500	16	16	12,90	3,34x10 ⁻⁵	3,25
L1385.16-16-3000	16x16	17,08	3000	16	16	12,90	3,34x10 ⁻⁵	3,93