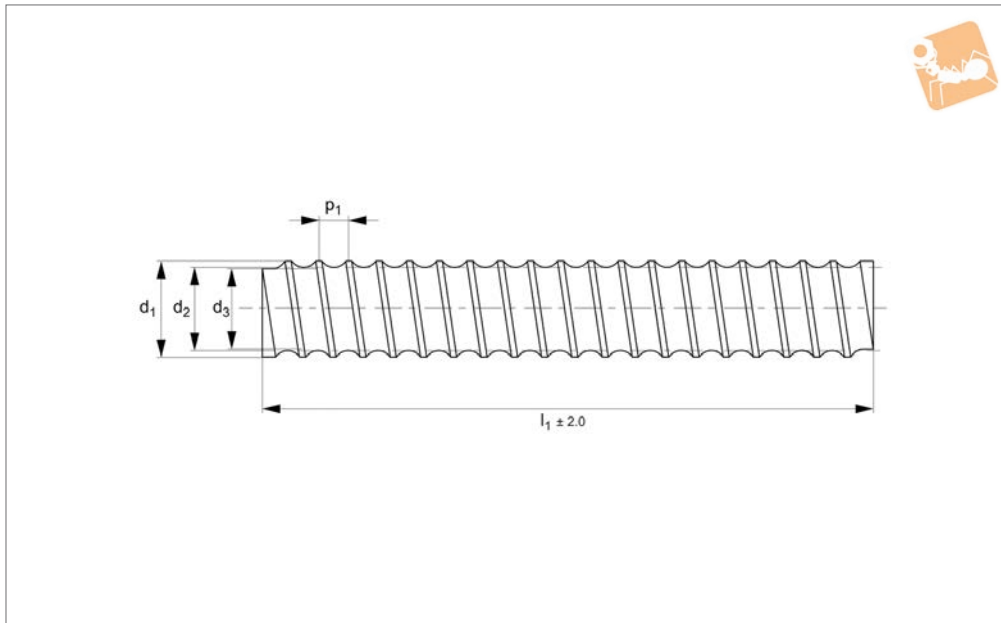
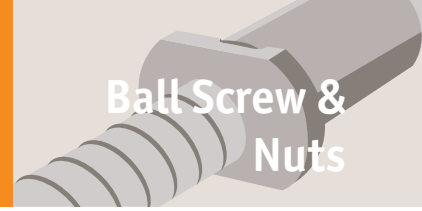




Ø 40 Ball Screws rolled

Ball Screw & Nuts



L1375.40

BALL SCREW & NUTS

Material

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

Technical Notes

Gothic profile with a 5, 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.

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
L1375.40-05-0500	40x 5	5	41.08	40	37.9	500	$1,81 \times 10^{-3}$	4.72
L1375.40-05-0600	40x 5	5	41.08	40	37.9	600	$1,81 \times 10^{-3}$	5.66
L1375.40-05-0800	40x 5	5	41.08	40	37.9	800	$1,81 \times 10^{-3}$	7.55
L1375.40-05-1000	40x 5	5	41.08	40	37.9	1000	$1,81 \times 10^{-3}$	9.44
L1375.40-05-1500	40x 5	5	41.08	40	37.9	1500	$1,81 \times 10^{-3}$	14.16
L1375.40-05-2000	40x 5	5	41.08	40	37.9	2000	$1,81 \times 10^{-3}$	18.88
L1375.40-05-2500	40x 5	5	41.08	40	37.9	2500	$1,81 \times 10^{-3}$	23.60
L1375.40-05-3000	40x 5	5	41.08	40	37.9	3000	$1,81 \times 10^{-3}$	28.32
L1375.40-05-3500	40x 5	5	41.08	40	37.9	3500	$1,81 \times 10^{-3}$	7.55
L1375.40-05-4000	40x 5	5	41.08	40	37.9	4000	$1,81 \times 10^{-3}$	9.44
L1375.40-05-4500	40x 5	5	41.08	40	37.9	4500	$1,81 \times 10^{-3}$	14.16
L1375.40-05-5000	40x 5	5	41.08	40	37.9	5000	$1,81 \times 10^{-3}$	18.88
L1375.40-05-5500	40x 5	5	41.08	40	37.9	5500	$1,81 \times 10^{-3}$	23.60
L1375.40-05-6000	40x 5	5	41.08	40	37.9	6000	$1,81 \times 10^{-3}$	28.32
L1375.40-10-0500	40x10	10	42.15	40	35.8	500	$1,66 \times 10^{-3}$	4.51
L1375.40-10-0600	40x10	10	42.15	40	35.8	600	$1,66 \times 10^{-3}$	5.41
L1375.40-10-0800	40x10	10	42.15	40	35.8	800	$1,66 \times 10^{-3}$	7.22
L1375.40-10-1000	40x10	10	42.15	40	35.8	1000	$1,66 \times 10^{-3}$	9.02
L1375.40-10-1500	40x10	10	42.15	40	35.8	1500	$1,66 \times 10^{-3}$	13.53
L1375.40-10-2000	40x10	10	42.15	40	35.8	2000	$1,66 \times 10^{-3}$	18.04
L1375.40-10-2500	40x10	10	42.15	40	35.8	2500	$1,66 \times 10^{-3}$	22.55
L1375.40-10-3000	40x10	10	42.15	40	35.8	3000	$1,66 \times 10^{-3}$	27.06
L1375.40-10-3500	40x10	10	42.15	40	37.9	3500	$1,81 \times 10^{-3}$	7.55
L1375.40-10-4000	40x10	10	42.15	40	37.9	4000	$1,81 \times 10^{-3}$	9.44
L1375.40-10-4500	40x10	10	42.15	40	37.9	4500	$1,81 \times 10^{-3}$	14.16
L1375.40-10-5000	40x10	10	42.15	40	37.9	5000	$1,81 \times 10^{-3}$	18.88
L1375.40-10-5500	40x10	10	42.15	40	37.9	5500	$1,81 \times 10^{-3}$	23.60
L1375.40-10-6000	40x10	10	42.15	40	37.9	6000	$1,81 \times 10^{-3}$	28.32
L1375.40-20-0500	40x20	20	42.15	40	35.8	500	$1,66 \times 10^{-3}$	4.51
L1375.40-20-0600	40x20	20	42.15	40	35.8	600	$1,66 \times 10^{-3}$	5.41



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
L1375.40-20-0800	40x20	20	42.15	40	35.8	800	1,66x10 ⁻³	7.22
L1375.40-20-1000	40x20	20	42.15	40	35.8	1000	1,66x10 ⁻³	9.02
L1375.40-20-1500	40x20	20	42.15	40	35.8	1500	1,66x10 ⁻³	13.53
L1375.40-20-2000	40x20	20	42.15	40	35.8	2000	1,66x10 ⁻³	18.04
L1375.40-20-2500	40x20	20	42.15	40	35.8	2500	1,66x10 ⁻³	22.55
L1375.40-20-3000	40x20	20	42.15	40	35.8	3000	1,66x10 ⁻³	27.06
L1375.40-20-3500	40x20	20	41.08	40	37.9	3500	1,81x10 ⁻³	7.55
L1375.40-20-4000	40x20	20	41.08	40	37.9	4000	1,81x10 ⁻³	9.44
L1375.40-20-4500	40x20	20	41.08	40	37.9	4500	1,81x10 ⁻³	14.16
L1375.40-20-5000	40x20	20	41.08	40	37.9	5000	1,81x10 ⁻³	18.88
L1375.40-20-5500	40x20	20	41.08	40	37.9	5500	1,81x10 ⁻³	23.60
L1375.40-20-6000	40x20	20	41.08	40	37.9	6000	1,81x10 ⁻³	28.32
L1375.40-40-0500	40x40	40	39.52	40	33.2	500	1,43x10 ⁻³	4.15
L1375.40-40-0600	40x40	40	39.52	40	33.2	600	1,43x10 ⁻³	4.97
L1375.40-40-0800	40x40	40	39.52	40	33.2	800	1,43x10 ⁻³	6.63
L1375.40-40-1000	40x40	40	39.52	40	33.2	1000	1,43x10 ⁻³	8.29
L1375.40-40-1500	40x40	40	39.52	40	33.2	1500	1,43x10 ⁻³	12.44
L1375.40-40-2000	40x40	40	39.52	40	33.2	2000	1,43x10 ⁻³	16.58
L1375.40-40-2500	40x40	40	39.52	40	33.2	2500	1,43x10 ⁻³	20.73
L1375.40-40-3000	40x40	40	39.52	40	33.2	3000	1,43x10 ⁻³	24.87
L1375.40-40-3500	40x40	40	41.08	40	37.9	3500	1,81x10 ⁻³	7.55
L1375.40-40-4000	40x40	40	41.08	40	37.9	4000	1,81x10 ⁻³	9.44
L1375.40-40-4500	40x40	40	41.08	40	37.9	4500	1,81x10 ⁻³	14.16
L1375.40-40-5000	40x40	40	41.08	40	37.9	5000	1,81x10 ⁻³	18.88
L1375.40-40-5500	40x40	40	41.08	40	37.9	5500	1,81x10 ⁻³	23.60
L1375.40-40-6000	40x40	40	41.08	40	37.9	6000	1,81x10 ⁻³	28.32
L1375.40-80-0500	40x80	80	39.52	40	33.2	500	1,43x10 ⁻³	4.15
L1375.40-80-0600	40x80	80	39.52	40	33.2	600	1,43x10 ⁻³	4.97
L1375.40-80-0800	40x80	80	39.52	40	33.2	800	1,43x10 ⁻³	6.63
L1375.40-80-1000	40x80	80	39.52	40	33.2	1000	1,43x10 ⁻³	8.29
L1375.40-80-1500	40x80	80	39.52	40	33.2	1500	1,43x10 ⁻³	12.44
L1375.40-80-2000	40x80	80	39.52	40	33.2	2000	1,43x10 ⁻³	16.58
L1375.40-80-2500	40x80	80	39.52	40	33.2	2500	1,43x10 ⁻³	20.73
L1375.40-80-3000	40x80	80	39.52	40	33.2	3000	1,43x10 ⁻³	24.87
L1375.40-80-3500	40x80	80	41.08	40	37.9	3500	1,81x10 ⁻³	7.55
L1375.40-80-4000	40x80	80	41.08	40	37.9	4000	1,81x10 ⁻³	9.44
L1375.40-80-4500	40x80	80	41.08	40	37.9	4500	1,81x10 ⁻³	14.16
L1375.40-80-5000	40x80	80	41.08	40	37.9	5000	1,81x10 ⁻³	18.88
L1375.40-80-5500	40x80	80	41.08	40	37.9	5500	1,81x10 ⁻³	23.60
L1375.40-80-6000	40x80	80	41.08	40	37.9	6000	1,81x10 ⁻³	28.32