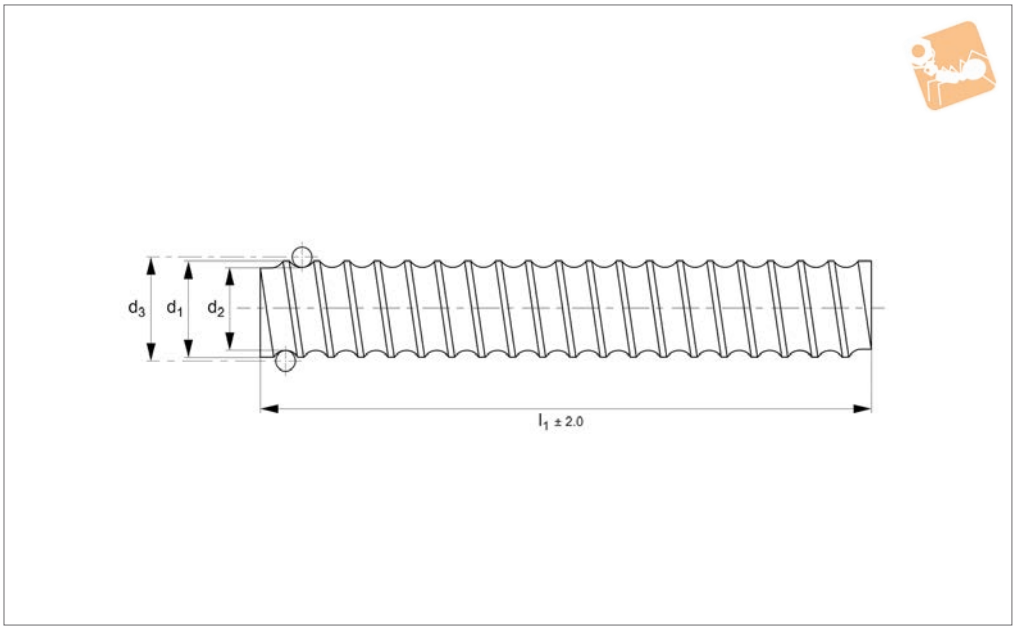

L1375.40

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 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.
For ball screw nuts see partsL1370-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.
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·m²	Weight kg
L1375.40-05-0500	40x 5	5	40	37.9	41.08	500	$1{,}81 \times 10^{-3}$	4.72
L1375.40-05-0600	40x 5	5	40	37.9	41.08	600	$1{,}81 \times 10^{-3}$	5.66
L1375.40-05-0800	40x 5	5	40	37.9	41.08	800	$1{,}81 \times 10^{-3}$	7.55
L1375.40-05-1000	40x 5	5	40	37.9	41.08	1000	$1{,}81 \times 10^{-3}$	9.44
L1375.40-05-1500	40x 5	5	40	37.9	41.08	1500	$1{,}81 \times 10^{-3}$	14.16
L1375.40-05-2000	40x 5	5	40	37.9	41.08	2000	$1{,}81 \times 10^{-3}$	18.88
L1375.40-05-2500	40x 5	5	40	37.9	41.08	2500	$1{,}81 \times 10^{-3}$	23.60
L1375.40-05-3000	40x 5	5	40	37.9	41.08	3000	$1{,}81 \times 10^{-3}$	28.32
L1375.40-05-3500	40x 5	5	40	37.9	41.08	3500	$1{,}81 \times 10^{-3}$	7.55
L1375.40-05-4000	40x 5	5	40	37.9	41.08	4000	$1{,}81 \times 10^{-3}$	9.44
L1375.40-05-4500	40x 5	5	40	37.9	41.08	4500	$1{,}81 \times 10^{-3}$	14.16
L1375.40-05-5000	40x 5	5	40	37.9	41.08	5000	$1{,}81 \times 10^{-3}$	18.88
L1375.40-05-5500	40x 5	5	40	37.9	41.08	5500	$1{,}81 \times 10^{-3}$	23.60
L1375.40-05-6000	40x 5	5	40	37.9	41.08	6000	$1{,}81 \times 10^{-3}$	28.32
L1375.40-10-0500	40x10	10	40	35.8	42.15	500	$1{,}66 \times 10^{-3}$	4.51
L1375.40-10-0600	40x10	10	40	35.8	42.15	600	$1{,}66 \times 10^{-3}$	5.41
L1375.40-10-0800	40x10	10	40	35.8	42.15	800	$1{,}66 \times 10^{-3}$	7.22
L1375.40-10-1000	40x10	10	40	35.8	42.15	1000	$1{,}66 \times 10^{-3}$	9.02
L1375.40-10-1500	40x10	10	40	35.8	42.15	1500	$1{,}66 \times 10^{-3}$	13.53
L1375.40-10-2000	40x10	10	40	35.8	42.15	2000	$1{,}66 \times 10^{-3}$	18.04
L1375.40-10-2500	40x10	10	40	35.8	42.15	2500	$1{,}66 \times 10^{-3}$	22.55
L1375.40-10-3000	40x10	10	40	35.8	42.15	3000	$1{,}66 \times 10^{-3}$	27.06
L1375.40-10-3500	40x10	10	40	37.9	42.15	3500	$1{,}81 \times 10^{-3}$	7.55
L1375.40-10-4000	40x10	10	40	37.9	42.15	4000	$1{,}81 \times 10^{-3}$	9.44
L1375.40-10-4500	40x10	10	40	37.9	42.15	4500	$1{,}81 \times 10^{-3}$	14.16
L1375.40-10-5000	40x10	10	40	37.9	42.15	5000	$1{,}81 \times 10^{-3}$	18.88
L1375.40-10-5500	40x10	10	40	37.9	42.15	5500	$1{,}81 \times 10^{-3}$	23.60
L1375.40-10-6000	40x10	10	40	37.9	42.15	6000	$1{,}81 \times 10^{-3}$	28.32
L1375.40-20-0500	40x20	20	40	35.8	42.15	500	$1{,}66 \times 10^{-3}$	4.51
L1375.40-20-0600	40x20	20	40	35.8	42.15	600	$1{,}66 \times 10^{-3}$	5.41

Ø 40 Ball Screws

rolled

Order No.	Screw dia. x lead	Lead w_1	d_1	d_2	d_3	l_1	Mass moment of inertia kg·m²	Weight kg
L1375.40-20-0800	40x20	20	40	35.8	42.15	800	$1,66x10^{-3}$	7.22
L1375.40-20-1000	40x20	20	40	35.8	42.15	1000	$1,66x10^{-3}$	9.02
L1375.40-20-1500	40x20	20	40	35.8	42.15	1500	$1,66x10^{-3}$	13.53
L1375.40-20-2000	40x20	20	40	35.8	42.15	2000	$1,66x10^{-3}$	18.04
L1375.40-20-2500	40x20	20	40	35.8	42.15	2500	$1,66x10^{-3}$	22.55
L1375.40-20-3000	40x20	20	40	35.8	42.15	3000	$1,66x10^{-3}$	27.06
L1375.40-20-3500	40x20	20	40	37.9	41.08	3500	$1,81x10^{-3}$	7.55
L1375.40-20-4000	40x20	20	40	37.9	41.08	4000	$1,81x10^{-3}$	9.44
L1375.40-20-4500	40x20	20	40	37.9	41.08	4500	$1,81x10^{-3}$	14.16
L1375.40-20-5000	40x20	20	40	37.9	41.08	5000	$1,81x10^{-3}$	18.88
L1375.40-20-5500	40x20	20	40	37.9	41.08	5500	$1,81x10^{-3}$	23.60
L1375.40-20-6000	40x20	20	40	37.9	41.08	6000	$1,81x10^{-3}$	28.32
L1375.40-40-0500	40x40	40	40	33.2	39.52	500	$1,43x10^{-3}$	4.15
L1375.40-40-0600	40x40	40	40	33.2	39.52	600	$1,43x10^{-3}$	4.97
L1375.40-40-0800	40x40	40	40	33.2	39.52	800	$1,43x10^{-3}$	6.63
L1375.40-40-1000	40x40	40	40	33.2	39.52	1000	$1,43x10^{-3}$	8.29
L1375.40-40-1500	40x40	40	40	33.2	39.52	1500	$1,43x10^{-3}$	12.44
L1375.40-40-2000	40x40	40	40	33.2	39.52	2000	$1,43x10^{-3}$	16.58
L1375.40-40-2500	40x40	40	40	33.2	39.52	2500	$1,43x10^{-3}$	20.73
L1375.40-40-3000	40x40	40	40	33.2	39.52	3000	$1,43x10^{-3}$	24.87
L1375.40-40-3500	40x40	40	40	37.9	41.08	3500	$1,81x10^{-3}$	7.55
L1375.40-40-4000	40x40	40	40	37.9	41.08	4000	$1,81x10^{-3}$	9.44
L1375.40-40-4500	40x40	40	40	37.9	41.08	4500	$1,81x10^{-3}$	14.16
L1375.40-40-5000	40x40	40	40	37.9	41.08	5000	$1,81x10^{-3}$	18.88
L1375.40-40-5500	40x40	40	40	37.9	41.08	5500	$1,81x10^{-3}$	23.60
L1375.40-40-6000	40x40	40	40	37.9	41.08	6000	$1,81x10^{-3}$	28.32
L1375.40-80-0500	40x80	80	40	33.2	39.52	500	$1,43x10^{-3}$	4.15
L1375.40-80-0600	40x80	80	40	33.2	39.52	600	$1,43x10^{-3}$	4.97
L1375.40-80-0800	40x80	80	40	33.2	39.52	800	$1,43x10^{-3}$	6.63
L1375.40-80-1000	40x80	80	40	33.2	39.52	1000	$1,43x10^{-3}$	8.29
L1375.40-80-1500	40x80	80	40	33.2	39.52	1500	$1,43x10^{-3}$	12.44
L1375.40-80-2000	40x80	80	40	33.2	39.52	2000	$1,43x10^{-3}$	16.58
L1375.40-80-2500	40x80	80	40	33.2	39.52	2500	$1,43x10^{-3}$	20.73
L1375.40-80-3000	40x80	80	40	33.2	39.52	3000	$1,43x10^{-3}$	24.87
L1375.40-80-3500	40x80	80	40	37.9	41.08	3500	$1,81x10^{-3}$	7.55
L1375.40-80-4000	40x80	80	40	37.9	41.08	4000	$1,81x10^{-3}$	9.44
L1375.40-80-4500	40x80	80	40	37.9	41.08	4500	$1,81x10^{-3}$	14.16
L1375.40-80-5000	40x80	80	40	37.9	41.08	5000	$1,81x10^{-3}$	18.88
L1375.40-80-5500	40x80	80	40	37.9	41.08	5500	$1,81x10^{-3}$	23.60
L1375.40-80-6000	40x80	80	40	37.9	41.08	6000	$1,81x10^{-3}$	28.32