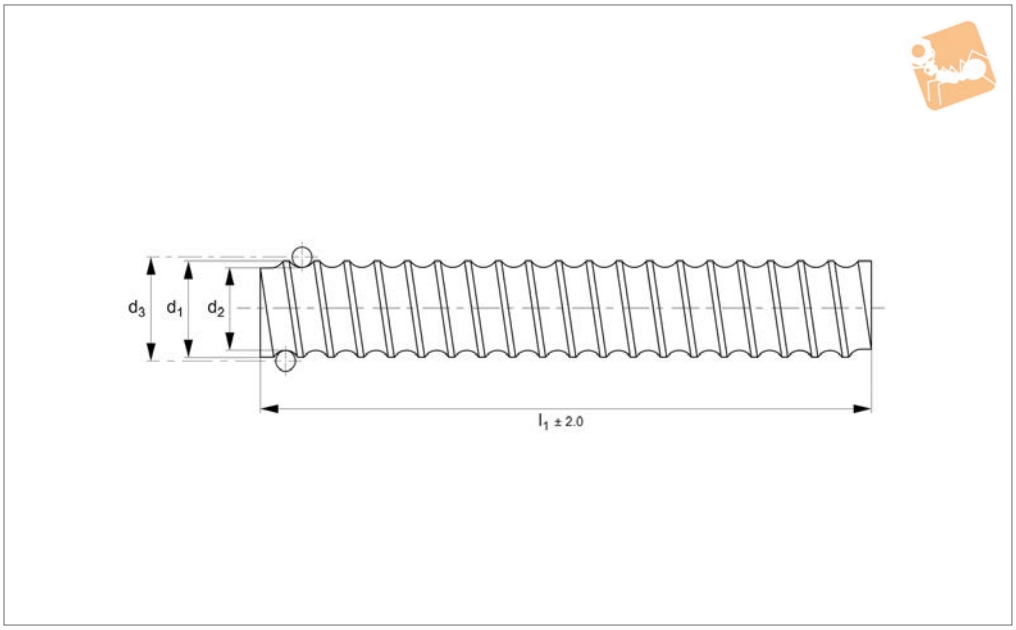

L1375.20

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

Technical Notes
Gothic profile with a 5,20 or 50mm lead. Tolerance T7 - 50µ/300mm. Shorter lengths or longer lengths up to a maximum of 3000mm 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·m²	Weight kg
L1375.20-05-0500	20x 5	5	20	17.9	21.08	500	$1{,}12 \times 10^{-4}$	1.18
L1375.20-05-0600	20x 5	5	20	17.9	21.08	600	$1{,}12 \times 10^{-4}$	1.41
L1375.20-05-0800	20x 5	5	20	17.9	21.08	800	$1{,}12 \times 10^{-4}$	1.88
L1375.20-05-1000	20x 5	5	20	17.9	21.08	1000	$1{,}12 \times 10^{-4}$	2.35
L1375.20-05-1500	20x 5	5	20	17.9	21.08	1500	$1{,}12 \times 10^{-4}$	3.53
L1375.20-05-2000	20x 5	5	20	17.9	21.08	2000	$1{,}12 \times 10^{-4}$	4.70
L1375.20-05-2500	20x 5	5	20	17.9	21.08	2500	$1{,}12 \times 10^{-4}$	5.88
L1375.20-05-3000	20x 5	5	20	17.9	21.08	3000	$1{,}12 \times 10^{-4}$	7.05
L1375.20-10-0500	20x10	10	10	17.9	21.08	500	$1{,}18 \times 10^{-4}$	1.21
L1375.20-10-0600	20x10	10	10	17.9	21.08	600	$1{,}18 \times 10^{-4}$	1.45
L1375.20-10-0800	20x10	10	10	17.9	21.08	800	$1{,}18 \times 10^{-4}$	1.93
L1375.20-10-1000	20x10	10	10	17.9	21.08	1000	$1{,}18 \times 10^{-4}$	2.41
L1375.20-10-1500	20x10	10	10	17.9	21.08	1500	$1{,}18 \times 10^{-4}$	3.62
L1375.20-10-2000	20x10	10	10	17.9	21.08	2000	$1{,}18 \times 10^{-4}$	4.82
L1375.20-10-2500	20x10	10	10	17.9	21.08	2500	$1{,}18 \times 10^{-4}$	6.03
L1375.20-10-3000	20x10	10	10	17.9	21.08	3000	$1{,}18 \times 10^{-4}$	7.23
L1375.20-20-0500	20x20	20	20	17.6	20.76	500	$1{,}00 \times 10^{-4}$	1.11
L1375.20-20-0600	20x20	20	20	17.6	20.76	600	$1{,}00 \times 10^{-4}$	1.33
L1375.20-20-0800	20x20	20	20	17.6	20.76	800	$1{,}00 \times 10^{-4}$	1.77
L1375.20-20-1000	20x20	20	20	17.6	20.76	1000	$1{,}00 \times 10^{-4}$	2.21
L1375.20-20-1500	20x20	20	20	17.6	20.76	1500	$1{,}00 \times 10^{-4}$	3.32
L1375.20-20-2000	20x20	20	20	17.6	20.76	2000	$1{,}00 \times 10^{-4}$	4.42
L1375.20-20-2500	20x20	20	20	17.6	20.76	2500	$1{,}00 \times 10^{-4}$	5.53
L1375.20-20-3000	20x20	20	20	17.6	20.76	3000	$1{,}00 \times 10^{-4}$	6.63
L1375.20-40-0500	20x40	40	20	17.6	20.76	500	$1{,}00 \times 10^{-4}$	1.11
L1375.20-40-0600	20x40	40	20	17.6	20.76	600	$1{,}00 \times 10^{-4}$	1.33
L1375.20-40-0800	20x40	40	20	17.6	20.76	800	$1{,}00 \times 10^{-4}$	1.77
L1375.20-40-1000	20x40	40	20	17.6	20.76	1000	$1{,}00 \times 10^{-4}$	2.21
L1375.20-40-1500	20x40	40	20	17.6	20.76	1500	$1{,}00 \times 10^{-4}$	3.32

Ø 20 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
L1375.20-40-2000	20x40	40	20	17.6	20.76	2000	$1{,}00 \times 10^{-4}$	4.42
L1375.20-40-2500	20x40	40	20	17.6	20.76	2500	$1{,}00 \times 10^{-4}$	5.53
L1375.20-40-3000	20x40	40	20	17.6	20.76	3000	$1{,}00 \times 10^{-4}$	6.63