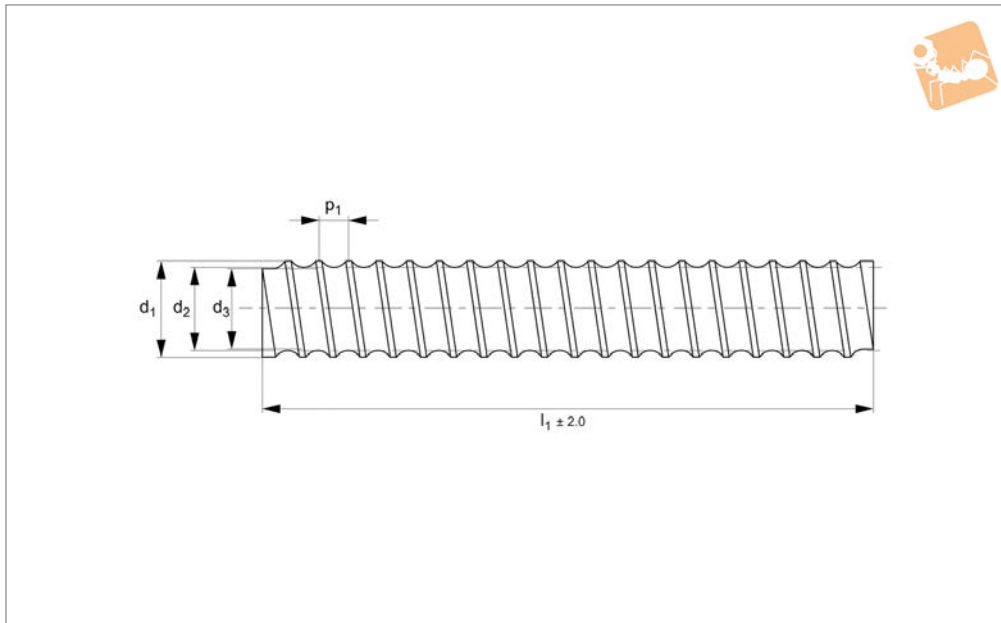
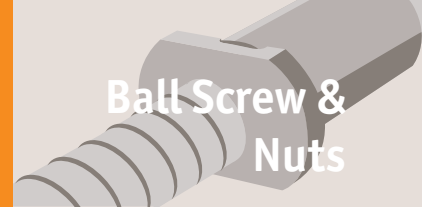




# Ø 20 Ball Screws rolled



## L1375.20

BALL SCREW & NUTS

### Material

Steel (CF53 or C55R), induction hardened to 60 HRC  $\pm 2$ , polished.

### Technical Notes

Gothic profile with a 5, 20 or 50mm lead. Tolerance T7 - 50 $\mu$ /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.

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 $kg$
L1375.20-05-0500	20x 5	5	21.08	20	17.9	500	$1,12 \times 10^{-4}$	1.18
L1375.20-05-0600	20x 5	5	21.08	20	17.9	600	$1,12 \times 10^{-4}$	1.41
L1375.20-05-0800	20x 5	5	21.08	20	17.9	800	$1,12 \times 10^{-4}$	1.88
L1375.20-05-1000	20x 5	5	21.08	20	17.9	1000	$1,12 \times 10^{-4}$	2.35
L1375.20-05-1500	20x 5	5	21.08	20	17.9	1500	$1,12 \times 10^{-4}$	3.53
L1375.20-05-2000	20x 5	5	21.08	20	17.9	2000	$1,12 \times 10^{-4}$	4.70
L1375.20-05-2500	20x 5	5	21.08	20	17.9	2500	$1,12 \times 10^{-4}$	5.88
L1375.20-05-3000	20x 5	5	21.08	20	17.9	3000	$1,12 \times 10^{-4}$	7.05
L1375.20-10-0500	20x10	10	21.08	10	17.9	500	$1,18 \times 10^{-4}$	1.21
L1375.20-10-0600	20x10	10	21.08	10	17.9	600	$1,18 \times 10^{-4}$	1.45
L1375.20-10-0800	20x10	10	21.08	10	17.9	800	$1,18 \times 10^{-4}$	1.93
L1375.20-10-1000	20x10	10	21.08	10	17.9	1000	$1,18 \times 10^{-4}$	2.41
L1375.20-10-1500	20x10	10	21.08	10	17.9	1500	$1,18 \times 10^{-4}$	3.62
L1375.20-10-2000	20x10	10	21.08	10	17.9	2000	$1,18 \times 10^{-4}$	4.82
L1375.20-10-2500	20x10	10	21.08	10	17.9	2500	$1,18 \times 10^{-4}$	6.03
L1375.20-10-3000	20x10	10	21.08	10	17.9	3000	$1,18 \times 10^{-4}$	7.23
L1375.20-20-0500	20x20	20	20.76	20	17.6	500	$1,00 \times 10^{-4}$	1.11
L1375.20-20-0600	20x20	20	20.76	20	17.6	600	$1,00 \times 10^{-4}$	1.33
L1375.20-20-0800	20x20	20	20.76	20	17.6	800	$1,00 \times 10^{-4}$	1.77
L1375.20-20-1000	20x20	20	20.76	20	17.6	1000	$1,00 \times 10^{-4}$	2.21
L1375.20-20-1500	20x20	20	20.76	20	17.6	1500	$1,00 \times 10^{-4}$	3.32
L1375.20-20-2000	20x20	20	20.76	20	17.6	2000	$1,00 \times 10^{-4}$	4.42
L1375.20-20-2500	20x20	20	20.76	20	17.6	2500	$1,00 \times 10^{-4}$	5.53
L1375.20-20-3000	20x20	20	20.76	20	17.6	3000	$1,00 \times 10^{-4}$	6.63
L1375.20-40-0500	20x40	40	20.76	20	17.6	500	$1,00 \times 10^{-4}$	1.11
L1375.20-40-0600	20x40	40	20.76	20	17.6	600	$1,00 \times 10^{-4}$	1.33
L1375.20-40-0800	20x40	40	20.76	20	17.6	800	$1,00 \times 10^{-4}$	1.77
L1375.20-40-1000	20x40	40	20.76	20	17.6	1000	$1,00 \times 10^{-4}$	2.21
L1375.20-40-1500	20x40	40	20.76	20	17.6	1500	$1,00 \times 10^{-4}$	3.32



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