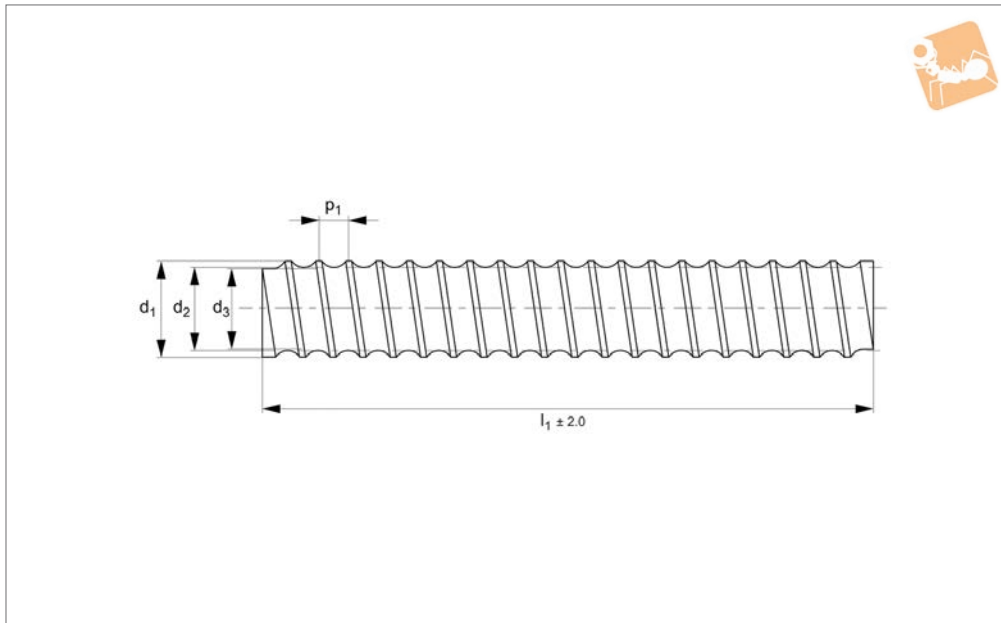
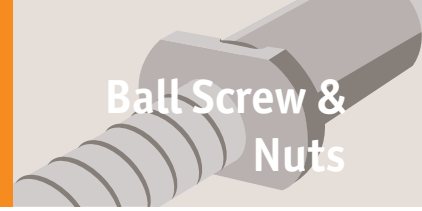




# Ø 25 Ball Screws - Anti Corrosion rolled



## L1377.25

BALL SCREW & NUTS

### Material

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

### Technical Notes

Gothic profile with a 5, 10 or 2mm lead. Tolerance T7 - 50 $\mu$ /300mm. Shorter lengths or longer lengths up to a maximum of 6000mm available.

For ball screw nuts see part L1377.

For end screw machining to suit ball screw support units see relevant ball screw supports (L1388-L1406). End machining on request. Anti corrosion finish consists of a thin layer of black chrome and produces good resistance to wear, and a protective effect against corrosion. Layer

thickness 2 $\mu$ m to 10 $\mu$ m.

### 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 | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub> | d <sub>3</sub> | Lead w <sub>1</sub> | Mass moment of inertia<br>kg·m <sup>2</sup> | Weight<br>kg |
|------------------|-------------------|----------------|----------------|----------------|----------------|---------------------|---|--------------|
| L1377.25-05-0500 | 25x 5             | 26.08          | 500            | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 1.80         |
| L1377.25-05-0600 | 25x 5             | 26.08          | 600            | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 2.15         |
| L1377.25-05-0800 | 25x 5             | 26.08          | 800            | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 2.87         |
| L1377.25-05-1000 | 25x 5             | 26.08          | 1000           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 3.59         |
| L1377.25-05-1500 | 25x 5             | 26.08          | 1500           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 5.39         |
| L1377.25-05-2000 | 25x 5             | 26.08          | 2000           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 7.18         |
| L1377.25-05-2500 | 25x 5             | 26.08          | 2500           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 8.98         |
| L1377.25-05-3000 | 25x 5             | 26.08          | 3000           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 10.77        |
| L1377.25-05-3500 | 25x 5             | 26.08          | 3500           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 2.87         |
| L1377.25-05-4000 | 25x 5             | 26.08          | 4000           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 3.59         |
| L1377.25-05-4500 | 25x 5             | 26.08          | 4500           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 5.39         |
| L1377.25-05-5000 | 25x 5             | 26.08          | 5000           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 7.18         |
| L1377.25-05-5500 | 25x 5             | 26.08          | 5500           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 8.98         |
| L1377.25-05-6000 | 25x 5             | 26.08          | 6000           | 25             | 22.9           | 5                   | 2,62x10 <sup>-4</sup>                       | 10.77        |
| L1377.25-10-0500 | 25x10             | 27.15          | 500            | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 1.91         |
| L1377.25-10-0600 | 25x10             | 27.15          | 600            | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 2.29         |
| L1377.25-10-0800 | 25x10             | 27.15          | 800            | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 3.05         |
| L1377.25-10-1000 | 25x10             | 27.15          | 1000           | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 3.81         |
| L1377.25-10-1500 | 25x10             | 27.15          | 1500           | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 5.72         |
| L1377.25-10-2000 | 25x10             | 27.15          | 2000           | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 7.62         |
| L1377.25-10-2500 | 25x10             | 27.15          | 2500           | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 9.53         |
| L1377.25-10-3000 | 25x10             | 27.15          | 3000           | 25             | 20.8           | 10                  | 2,94x10 <sup>-4</sup>                       | 11.43        |
| L1377.25-10-3500 | 25x10             | 26.08          | 3500           | 25             | 22.9           | 10                  | 2,62x10 <sup>-4</sup>                       | 2.87         |
| L1377.25-10-4000 | 25x10             | 26.08          | 4000           | 25             | 22.9           | 10                  | 2,62x10 <sup>-4</sup>                       | 3.59         |
| L1377.25-10-4500 | 25x10             | 26.08          | 4500           | 25             | 22.9           | 10                  | 2,62x10 <sup>-4</sup>                       | 5.39         |
| L1377.25-10-5000 | 25x10             | 26.08          | 5000           | 25             | 22.9           | 10                  | 2,62x10 <sup>-4</sup>                       | 7.18         |
| L1377.25-10-5500 | 25x10             | 26.08          | 5500           | 25             | 22.9           | 10                  | 2,62x10 <sup>-4</sup>                       | 8.98         |
| L1377.25-10-6000 | 25x10             | 26.08          | 6000           | 25             | 22.9           | 10                  | 2,62x10 <sup>-4</sup>                       | 10.77        |