

# Ball screw spindles

## Ø 16, 25 mm

### Ø 16 features

- Ø 16 mm, rolled, hardened and polished
- Material CF 53, inductively hardened (HRC 60 ± 2); (for detailed information see DIN 17212)
- Spindle pitches: 2.5 / 4 / 5 / 10 and 20 mm
- Lengths up to max. 3052 mm available
- End machining to isel standard or to order (see "Available lengths")
- Produced to DIN 69051, Part3, Tolerance class 7

#### Options

- End machining to order

### Available lengths

Without end machining  
in 100 mm raster

- 452 to 1052 mm
- 1252 mm • 1552 mm
- 1752 mm • 2052 mm
- 2252 mm • 2752 mm
- 3052 mm

Special length according to  
drawing: 211 13X 0998

Both-sided end machining  
in 100 mm raster

- 368 mm to 3068 mm

Special length to drawing:  
211 13X 5999

### Ordering key

**211 13X XXXX**

#### Spindle pitch

- 2** = 2.5 mm
- 3** = 4 mm
- 4** = 5 mm
- 5** = 10 mm
- 6** = 20 mm

#### End machining

- 0** = not machined
- 5** = both-sided machining suitable for all feeds (aluminium profile length + 78 mm)

#### Lengths

- e.g. **045** = 452 mm
- 086** = 868 mm
- 305** = 3052 mm (rounded to the final digit)

See "Available lengths" for permissible Combinations.

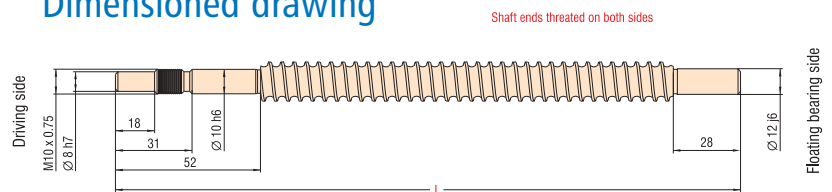
### Ordering information

#### Slotted nut

- Self-locking
- M 10 x 0.75 mm

Part no.: **890257 0011**

### Dimensioned drawing



### Ø 25 features

- Ø 25 mm, hardened and polished
- Material CF 53, inductively hardened (HRC 60 ± 2); (for detailed information see DIN 17212)
- Spindle pitches: 5/10 and 20 mm
- Lengths up to max. 3052 mm available
- End machining to isel standard or to order (see "Available lengths")
- Produced to DIN 69051, Part 3, Tolerance class 7

#### Options

- End machining to order

### Available lengths

Without end machining  
in 100 mm raster

- 500 to 3,000 mm
- Special length to  
drawing: 211 14X 0999

Shaft ends on both sides machined  
in steps of 100 mm

- 295 to 2,995 mm

### Ordering key

**211 14X XXXX**

#### Spindle pitch

- 4** = 5 mm
- 5** = 10 mm
- 6** = 20 mm

#### End machining

- 0** = not machined
- 2** = both sides

#### Lengths

- e.g. **050** = 500 mm
- 100** = 1000 mm
- 289** = 2895 mm (rounded to the final digit)

See "Available lengths" for permitted combinations.

### Ordering information

#### Slotted nut

- Self-locking
- M 17 × 1.0 mm

Part no.: **890259 0011**

### Dimensioned drawing

