

## Ball screw spindles

Ø 12, 16, 20, 25 mm



## Features

- rolled, hardened and polished
- material CF 53, inductively hardened (HRC 60±2)
- length up to 3,052 mm available (Special length on request!)
- end machining to isel standard or according to customers specifications
- tolerance class ISO 7 Δ 300 mm

## Available length

End machining in a grid of 100 mm	Ø 12
without	252 bis 1552 mm
one-sided	252 bis 552 mm
two-sided	252 bis 1552 mm

	Ø 16
without	352 bis 3052 mm
one-sided	352 bis 1052 mm
two-sided	368 bis 3068 mm

	Ø 20
without	252 bis 3052 mm
one-sided	252 bis 1052 mm
two-sided	252 bis 3052 mm

	Ø 25
without	300 bis 3000 mm
one-sided	352 bis 1052 mm
two-sided	295 bis 2995 mm

## Ordering key

<b>2 1 1 X X X X X X X X</b>		<b>Lengths</b>
<b>Diameter</b>	<b>Spindle pitch</b>	e.g. <b>045</b> = 452 mm
<b>2</b> = 12 mm	<b>2</b> = 2,5 mm (only for Ø 12, 16mm)	<b>086</b> = 868 mm
<b>3</b> = 16 mm	<b>3</b> = 4 mm (only for Ø 16 mm)	<b>305</b> = 3,052 mm
<b>4</b> = 25 mm	<b>4</b> = 5 mm	(rounded to the final digit)
<b>5</b> = 20 mm	<b>5</b> = 10 mm (not at Ø 12 mm)	<b>End machining</b>
	<b>6</b> = 20 mm (not at Ø 12 mm)	<b>0</b> = not machined
		<b>1</b> = one-sided
		<b>2</b> = both sided (only for Ø 12, 25 mm)
		<b>5</b> = both sided (only for Ø 16, 20 mm)
		suitable for all feeds
		(Aluminium profile length +78 mm)

See „available length“ for permissible combinations!

## Dimensioned drawing

	Spindle pitch	L [max.]	L1	L2	L3	L4	L5	M	D1	D2	D3	D4
Ø 12	2.5 / 5	1552	10	20	40	19	-	M8x 1	6.35 h7	8 h6	-	7 h6
Ø 16	2.5 / 4 / 5 / 10 / 20	3068	18	31	52	28	-	M10 x 0.75	8 h7	10 h6	-	12 h6
Ø 20	5 / 10 / 20	3052	20	32	55	27.5	-	M12x 1	10 h7	12 h6	-	12/14 h6
Ø 25	5 / 10 / 20	3000	25	37	69	26	16	M17x 1	15 h7	17 h6	15 j6	19 h11

