

**Garant**
**Tapping head MLA IC 50 bar, HSK-A 63, Tapping range: M6-20**

**Order data**

Order number	338110 M6-20
GTIN	4045197336163
Item class	31M

**Description**
**Version:**

- With minimum length adjustment (MLA), by means of a damping element.
- Increases tool life of taps by up to 300 %.
- Internal coolant supply up to 50 bar.
- Secure clamping for ER collets in quick-change tapping collets.
- Run-out of shank taper to the tapping collet taper < 3 µm.

**Application:**

On machining centres with synchronised spindles.

- For compensating the difference in pitch between tap/synchronised spindle.
- For compensating the pitch tolerances of taps.

**Optional extras:**

ER collets, see No. 308881-309240 (size ER11 / 16 / 25). ER tapping collets with square drive spigot, see No. 309399 - 309413 (Size ER 11 /16 / 25).

Quick-change tapping collets and extensions, see No. 338120 – 338142.

See No. 308600 - 308806 for pull studs.

See No. 309880 for coolant feed pipes for HSK.

See No. 309890 for plug-in sockets for HSK.

**Note:**

Maximum speed 4000 rpm.

Shape: A

Tapping range: M6 - M20

Length compensation by compression: 0.2 mm

Length compensation by tension: 1 mm

External Ø D: 60 mm  
 Internal Ø D<sub>1</sub>: 32 mm  
 Overhang dimension A: 97 mm

## Technical description

Length compensation by compression	0.2 mm
Overhang dimension A	97 mm
Length compensation by tension	1 mm
Tapping range	M6 - M20
External Ø D	60 mm
suitable for ER size	25
Internal Ø D <sub>1</sub>	32 mm
Series	MLA
Adapter	HSK-A 63
Arbor standard	DIN 69893
Through-coolant	yes, with max. 50 bar
Shape	A
Type of product	Tapping head

## Accessories

ER collet Nominal clamping Ø d 12 mm	308941 12
ER collet with seal Nominal clamping Ø d 15 mm	308946 15
ER collet with seal Nominal clamping Ø d 13 mm	308946 13
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309409 7
ER collet Nominal clamping Ø d 14 mm	308941 14
Socket wrench for coolant tubes for HSK 63	309890 63
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309411 12

ER collet Nominal clamping Ø d 10 mm	308941 10
ER collet for machine taps with seal Nominal clamping Ø d 8 mm	309409 8
ER collet with seal Nominal clamping Ø d 16 mm	308946 16
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309409 9
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309409 16
ER collet Nominal clamping Ø d 6 mm	308941 6
ER collet with seal Nominal clamping Ø d 5 mm	308946 5
ER collet Nominal clamping Ø d 16 mm	308941 16
ER collet Nominal clamping Ø d 8 mm	308941 8
ER collet with seal Nominal clamping Ø d 11 mm	308946 11
ER collet with seal Nominal clamping Ø d 12 mm	308946 12
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309411 10
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309409 4,5
ER collet Nominal clamping Ø d 13 mm	308941 13
ER collet with seal Nominal clamping Ø d 7 mm	308946 7
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309411 14
ER collet for machine taps with seal Nominal clamping Ø d 10 mm	309409 10
ER collet with seal Nominal clamping Ø d 14 mm	308946 14
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309409 11
ER collet for machine taps with seal Nominal clamping Ø d 16 mm	309411 16
ER collet with seal Nominal clamping Ø d 8 mm	308946 8
ER collet for machine taps with seal Nominal clamping Ø d 4,5 mm	309411 4,5
	309411 6

ER collet for machine taps with seal Nominal clamping Ø d 6 mm

ER collet Nominal clamping Ø d 4 mm	308941 4
ER collet with seal Nominal clamping Ø d 6 mm	308946 6
ER collet Nominal clamping Ø d 15 mm	308941 15
ER collet with seal Nominal clamping Ø d 10 mm	308946 10
ER collet for machine taps with seal Nominal clamping Ø d 7 mm	309411 7
ER collet for machine taps with seal Nominal clamping Ø d 11 mm	309411 11
ER collet Nominal clamping Ø d 2 mm	308941 2
ER collet with seal Nominal clamping Ø d 9 mm	308946 9
ER collet Nominal clamping Ø d 5 mm	308941 5
ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
ER collet for machine taps with seal Nominal clamping Ø d 14 mm	309409 14
ER collet Nominal clamping Ø d 7 mm	308941 7
ER collet Nominal clamping Ø d 9 mm	308941 9
ER collet for machine taps with seal Nominal clamping Ø d 9 mm	309411 9
Tapping collet for tapping head MLA for ER collet size 16 ER	338120 16
ER collet for machine taps with seal Nominal clamping Ø d 12 mm	309409 12
ER collet with seal Nominal clamping Ø d 3 mm	308946 3
ER collet Nominal clamping Ø d 11 mm	308941 11
ER collet for machine taps with seal Nominal clamping Ø d 6 mm	309409 6
ER collet with seal Nominal clamping Ø d 4 mm	308946 4
ER collet Nominal clamping Ø d 3 mm	308941 3
Base extension MLA for ER collet size 25 ER	338130 25
HSK coolant tube for HSK 63	309880 63

ER collet for machine taps with seal Nominal clamping  $\varnothing$  d  
8 mm

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