

Garant**Tapping head MLA IC 50 bar, SK 50, Tapping range: M6-20****Order data**

Order number	338105 M6-20
GTIN	4045197422934
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 and 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.

Technical description

External Ø D	60 mm
--------------	-------

Length compensation by tension	1 mm
suitable for ER size	25
Length compensation by compression	0.2 mm
Tapping range	M6 - M20
Internal Ø D ₁	32 mm
Overhang dimension A	74 mm
Adapter	SK 50
Arbor standard	DIN 69871
Arbor standard	ISO 7388-1
Through-coolant	yes, with max. 50 bar
Shape	AD
Type of product	Tapping head

Accessories

ER collet Nominal clamping Ø d 8 mm	308941 8
Pull studsealed suitable for steep tapers 50	308660 50
ER collet Nominal clamping Ø d 4 mm	308941 4
ER colletwith seal Nominal clamping Ø d 3 mm	308946 3
ER collet Nominal clamping Ø d 5 mm	308941 5
Pull stud 45°sealed suitable for steep tapers 50	308760 50
ER collet Nominal clamping Ø d 11 mm	308941 11
ER collet for machine tapswith seal Nominal clamping Ø d 14 mm	309409 14
ER collet Nominal clamping Ø d 13 mm	308941 13
ER collet for machine tapswith seal Nominal clamping Ø d 16 mm	309411 16
ER colletwith seal Nominal clamping Ø d 5 mm	308946 5
ER colletwith seal Nominal clamping Ø d 15 mm	308946 15

ER collet for machine tapswith seal Nominal clamping Ø d 12 mm	309411 12
Base extensionMLA for ER collet size 25	338130 25
Pull stud 90°sealed suitable for steep tapers 50	308790 50
Wrench for pull studsISO 7388 suitable for ISO taper size 50	308830 50
Wrench for pull studsDIN ISO 7388-1 (formerly DIN 69872) suitable for ISO taper size 50	308820 50
Special pull stud with no internal threadsealed suitable for steep tapers 50	308720 50
ER colletwith seal Nominal clamping Ø d 11 mm	308946 11
ER colletwith seal Nominal clamping Ø d 8 mm	308946 8
Pull studsealed, form B suitable for steep tapers 50	308650 50
ER collet for machine tapswith seal Nominal clamping Ø d 10 mm	309411 10
ER collet Nominal clamping Ø d 2 mm	308941 2
ER colletwith seal Nominal clamping Ø d 14 mm	308946 14
ER collet Nominal clamping Ø d 12 mm	308941 12
Pull studsealed, form A suitable for steep tapers 50	308610 50
ER colletwith seal Nominal clamping Ø d 6 mm	308946 6
Pull stud, 18CrNiMo7sealed, form B suitable for steep tapers 50	308615 50
Pull studForm A suitable for steep tapers 50	308600 50
Special pull stud with internal thread suitable for steep tapers 50	308740 50
ER collet for machine tapswith seal Nominal clamping Ø d 6 mm	309409 6
Pull stud, 18CrNiMo7Form A suitable for steep tapers 50	308605 50
ER collet for machine tapswith seal Nominal clamping Ø d 12 mm	309409 12
ER collet Nominal clamping Ø d 9 mm	308941 9
ER collet for machine tapswith seal Nominal clamping Ø d 8 mm	309411 8

ER collet for machine tapswith seal Nominal clamping Ø d 8 mm	309409 8
ER collet for machine tapswith seal Nominal clamping Ø d 9 mm	309409 9
ER collet Nominal clamping Ø d 16 mm	308941 16
ER colletwith seal Nominal clamping Ø d 7 mm	308946 7
ER colletwith seal Nominal clamping Ø d 13 mm	308946 13
Pull studsealed, form B suitable for steep tapers 50	308620 50
ER colletwith seal Nominal clamping Ø d 9 mm	308946 9
ER collet for machine tapswith seal Nominal clamping Ø d 4,5 mm	309411 4,5
ER collet for machine tapswith seal Nominal clamping Ø d 7 mm	309411 7
ER collet Nominal clamping Ø d 2,5 mm	308941 2,5
ER collet Nominal clamping Ø d 3 mm	308941 3
ER collet for machine tapswith seal Nominal clamping Ø d 9 mm	309411 9
ER collet for machine tapswith seal Nominal clamping Ø d 6 mm	309411 6
Pull stud 60°sealed suitable for steep tapers 50	308785 50
ER collet Nominal clamping Ø d 7 mm	308941 7
ER colletwith seal Nominal clamping Ø d 16 mm	308946 16
ER colletwith seal Nominal clamping Ø d 12 mm	308946 12
ER collet for machine tapswith seal Nominal clamping Ø d 7 mm	309409 7
ER collet for machine tapswith seal Nominal clamping Ø d 10 mm	309409 10
ER collet Nominal clamping Ø d 14 mm	308941 14
ER colletwith seal Nominal clamping Ø d 4 mm	308946 4
ER collet for machine tapswith seal Nominal clamping Ø d 11 mm	309411 11
Pull studForm B suitable for steep tapers 50	308640 50

ER collet Nominal clamping Ø d 15 mm	308941 15
ER collet Nominal clamping Ø d 6 mm	308941 6
ER colletwith seal Nominal clamping Ø d 10 mm	308946 10
ER collet Nominal clamping Ø d 10 mm	308941 10
ER collet for machine tapswith seal Nominal clamping Ø d 4,5 mm	309409 4,5
ER collet for machine tapswith seal Nominal clamping Ø d 14 mm	309411 14
Pull stud 90°sealed suitable for steep tapers 50	308795 50
Pull stud 45°sealed suitable for steep tapers 50	308765 50
ER collet for machine tapswith seal Nominal clamping Ø d 11 mm	309409 11
ER collet for machine tapswith seal Nominal clamping Ø d 16 mm	309409 16