

Machine tap for synchronised spindles HSS-E-PM Form E, TiAIN, M: 10X1



Order data

| Order number | 137183 10X1 |
|--------------|---------------|
| GTIN | 4045197705358 |
| Item class | 11H |

Description

Version:

Sturdy version with right-hand helix and shank to DIN 1835-B. Special geometry for **general-purpose use** on machines with **synchronised spindle drive.** The tap is controlled by the synchronising spindle of the machine. Special **TiAIN-S coating** for optimum tool life. For use with **emulsion** (fat content minimum 8%).

Form E (lead chamfer: 1.5 - 2 turns) for the deepest possible thread depths.

Note:

For use on synchronised spindles, the GARANT quick-change tapping chuck No. 338100 – 338121 with minimum length adjustment (MLA) ensures very high process reliability.

Thread type: MF

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX

Thread pitch: 1 mm Overall length L: 90 mm Shank Ø D₃: 10 mm Shank square □: 8 mm Tapping hole Ø: 9 mm

Technical description

| Thread Ø | 10 mm |
|---------------------------|-------|
| Number of clamping slots | 4 |
| Thread pitch | 1 mm |
| Tapping hole ∅ | 9 mm |
| Number of cutting edges Z | 4 |

| Overall length L 90 mm Shank square □ 8 mm Tolerance class ISO 2X 6HX Tool material HSS E PM Standard Manufacturer's standard Thread depth 30 mm Thread stype MF Thread size M10×1 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green Type of product Tap | Shank Ø D _s | 10 mm |
|--|----------------------------------|---------------------------|
| Tolerance class Tool material Tool material Standard Manufacturer's standard Thread depth 30 mm Thread type MF Thread size M10×1 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring General Standard Application or synchronous machining Colour ring General Helix and Hasse and | Overall length L | 90 mm |
| Tool material HSS E PM Standard Manufacturer's standard Thread depth 30 mm Thread type MF Thread size M10×1 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Golour ring green | Shank square □ | 8 mm |
| Standard Manufacturer's standard Thread depth 30 mm Thread type MF Thread size M10×1 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Golour ring green | Tolerance class | ISO 2X 6HX |
| Thread depth Thread type MF Thread size M10×1 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Type of threading tool Colour ring Thread size M10×1 MF MF MI10×1 | Tool material | HSS E PM |
| Thread type Thread size M10×1 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction Type of threading tool Colour ring Green | Standard | Manufacturer's standard |
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| Coating TiAlN Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Thread type | MF |
| Flank angle 60 degrees Thread standard DIN 13 Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Thread size | M10×1 |
| Thread standard Taper lead form E Helix angle Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Type of threading tool Colour ring DIN 13 A 0 degrees DIN 1835 B with h6 Up to 3×D for blind holes right-hand Machine tap for synchronous machining Green | Coating | TiAIN |
| Taper lead form E Helix angle 40 degrees Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling Cutting direction Type of threading tool Colour ring E 40 degrees Authorizes DIN 1835 B with h6 In o up to 3×D for blind holes right-hand Machine tap for synchronous machining Golour ring green | Flank angle | 60 degrees |
| Helix angle Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling Cutting direction Type of threading tool Colour ring Type of threading tool Type of threading tool Application 40 degrees DIN 1835 B with h6 up to 3×D for blind holes right-hand Machine tap for synchronous machining Green | Thread standard | DIN 13 |
| Shank Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring DIN 1835 B with h6 no up to 3×D for blind holes right-hand h6 Machine tap for synchronous machining green | Taper lead form | E |
| Through-coolant no Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Helix angle | 40 degrees |
| Application for type of drilling up to 3×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Shank | DIN 1835 B with h6 |
| Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Through-coolant | no |
| Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Application for type of drilling | up to 3×D for blind holes |
| Type of threading tool Colour ring Machine tap for synchronous machining green | Cutting direction | right-hand |
| Colour ring synchronous machining green | Shank tolerance | h6 |
| - | Type of threading tool | · · |
| Type of product Tap | Colour ring | green |
| | Type of product | Тар |