

Machine tap for synchronised spindles HSS-E-PM, TiAIN, M: 12X1,25



Order data

| Order number | 132950 12X1,25 |
|--------------|----------------|
| GTIN | 4045197704986 |
| Item class | 11H |

Description

Version:

Sturdy design with spiral point and shank to DIN 1835-B. Special geometry for use on machines with **synchronised spindle drives.** 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%).

Note:

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

Thread type: MF

Tool material: HSS E PM

Standard: Manufacturer's standard

Tolerance class: ISO 2X 6HX Thread pitch: 1.25 mm Overall length L: 100 mm Shank Ø D₅: 12 mm Shank square □: 9 mm Tapping hole Ø: 10.8 mm

Technical description

| Thread pitch | 1.25 mm |
|---------------------------|---------|
| Number of clamping slots | 4 |
| Number of cutting edges Z | 4 |
| Thread Ø | 12 mm |
| Tapping hole Ø | 10.8 mm |

| Shank square □ 9 mm Tolerance class ISO 2X 6HX Tool material HSS E PM Standard Manufacturer's standard Thread depth 36 mm Thread type MF Thread size M12×1.25 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining | Shank Ø D _s | 12 mm |
|--|----------------------------------|-----------------------------|
| Tolerance class Tool material Tool material Standard Manufacturer's standard Thread depth Thread type MF Thread size M12×1.25 Coating TiAIN Flank angle Go degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring TiSO 2X 6HX HSS E PM Manufacturer's standard Manufacturer's standard Manufacturer's standard TiAIN To MF TiAIN B Shank DIN 1835 B with h6 Through-coolant No Application for type of drilling Up to 3×D for through holes Machine tap for synchronous machining Colour ring Tight-hand Shank tolerance Nachine tap for synchronous machining | Overall length L | 100 mm |
| Tool material HSS E PM Standard Manufacturer's standard Thread depth 36 mm Thread type MF Thread size M12×1.25 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Colour ring green | Shank square □ | 9 mm |
| Standard Manufacturer's standard Thread depth 36 mm Thread type MF Thread size M12×1.25 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction right-hand Shank tolerance h6 Type of threading tool green Colour ring green | Tolerance class | ISO 2X 6HX |
| Thread depth Thread type MF Thread size M12×1.25 Coating TiAlN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction Type of threading tool Colour ring Colour ring Thread size M12×1.25 M12×1.25 TiAlN B B DIN 13 Taper lead form B DIN 1835 B with h6 Through-coolant no Machine tap for synchronous machining Green | Tool material | HSS E PM |
| Thread type Thread size M12×1.25 Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling Cutting direction Type of threading tool Colour ring MF MF MF MF ME ME MI2×1.25 TiAIN Flank B SON 13 B DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through holes right-hand Machine tap for synchronous machining Colour ring Green | Standard | Manufacturer's standard |
| Thread size Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Type of threading tool Colour ring M12×1.25 M12×1.25 M12×1.25 M12×1.25 M12×1.25 M12×1.25 M12×1.25 M12×1.25 Machine tap for synchronous machining Green | Thread depth | 36 mm |
| Coating TiAIN Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through 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 B Shank DIN 1835 B with h6 Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Thread size | M12×1.25 |
| Thread standard Taper lead form B Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring DIN 13 B Machine tap for synchronous machining Green | Coating | TiAIN |
| Taper lead form Shank DIN 1835 B with h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring B DIN 1835 B with h6 no up to 3×D for through holes right-hand h6 Machine tap for synchronous machining green | Flank angle | 60 degrees |
| 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 through holes right-hand h6 Machine tap for synchronous machining green | Thread standard | DIN 13 |
| Through-coolant no Application for type of drilling up to 3×D for through holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring green | Taper lead form | В |
| Application for type of drilling up to 3×D for through 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 through 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 |