

Machine tap for synchronised spindles HSS-E-PM Form C, DLC, G: G1/4 inch



Order data

| Order number | 137344 G1/4 |
|--------------|---------------|
| GTIN | 4045197705532 |
| Item class | 11H |

Description

Version:

Sturdy version with right-hand helix 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. With the latest generation of special **DLC coating sp**². For use with **emulsion** (fat content minimum 8%).

Application:

For Whitworth parallel pipe threads DIN-ISO 228/1 (threads that do not form a seal within the connection).

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.

Tool material: HSS E PM Threads per inch: 19 Thread Ø: 13.16 mm Overall length L: 100 mm Shank Ø D_s: 12 mm Shank square □: 9 mm Tapping hole Ø: 11.8 mm

Technical description

| Number of cutting edges Z | 4 |
|---------------------------|----------|
| Tapping hole Ø | 11.8 mm |
| Number of clamping slots | 4 |
| Thread pitch | 1.337 mm |

| Tool material Shank Ø D, Overall length L Shank square □ Thread depth Thread size Coating Thread type Flank angle Standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Type of threading tool Colour ring Tool material HSS E PM 12 mm 100 mm 9 mm 140 mm 140 mm 140 mm 140 degrees 140 degrees 140 degrees 140 degrees 140 mm 140 mm 150 mm 160 mm 1 | Threads per inch | 19 |
|--|----------------------------------|-----------------------------|
| Shank Ø D, Overall length L Shank square □ P mm Thread depth 32.9 mm Thread size G1/4 Coating DLC Thread type G Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Type of threading tool Colour ring To mm 100 mm 32.9 mm 32.9 mm GI/4 Coating DLC Thread type G Manufacturer's standard To L Helix angle 40 degrees DIN 1835 B to h6 Through-coolant No Application for type of drilling Cutting direction Type of threading tool Machine tap for synchronous machining Colour ring yellow | Thread Ø | 13.16 mm |
| Overall length L Shank square □ 9 mm Thread depth 32.9 mm Thread size G1/4 Coating DLC Thread type G Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring Colour ring Sale and 100 mm 9 mm 100 mm 9 mm 100 mm 1 | Tool material | HSS E PM |
| Shank square □ 9 mm Thread depth 32.9 mm Thread size G1/4 Coating DLC Thread type G Flank angle 55 degrees Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B to h6 Through-coolant no Application for type of drilling up to 2.5×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Colour ring yellow | Shank Ø D _s | 12 mm |
| Thread depth Thread size G1/4 Coating DLC Thread type G Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring Salan Sala | Overall length L | 100 mm |
| Thread size Coating DLC Thread type G Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant no Application for type of drilling Cutting direction Type of threading tool Colour ring G G G Hand Again G Manufacturer's standard Annufacturer's standard Annufacturer's standard Manufacturer's standard Annufacturer's standard Tuber and annufacturer's standard Type of threading tool G Machine tap for synchronous machining Yellow | Shank square □ | 9 mm |
| Coating Thread type G Flank angle S5 degrees Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring DLC G Manufacturer's Standard Manufacturer's standard To DIN 1835 B to h6 To DIN 1835 B to h6 Through-coolant No Application for type of drilling Up to 2.5×D for blind holes Tight-hand Shank tolerance N6 Machine tap for synchronous machining Yellow | Thread depth | 32.9 mm |
| Thread type Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant no Application for type of drilling Cutting direction Type of threading tool Colour ring G G G Manufacturer's standard Anufacturer's standard C U 40 degrees DIN 1835 B to h6 Through-coolant no Application for type of drilling up to 2.5×D for blind holes right-hand Machine tap for synchronous machining Yellow | Thread size | G1/4 |
| Flank angle Standard Manufacturer's standard Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant no Application for type of drilling Cutting direction Shank tolerance h6 Type of threading tool Colour ring Type of colour ring Standard Manufacturer's standard Add degrees DIN 1835 B to h6 Type of drilling up to 2.5×D for blind holes right-hand Machine tap for synchronous machining yellow | Coating | DLC |
| Standard Manufacturer's standard Taper lead form C Helix angle 40 degrees Shank DIN 1835 B to h6 Through-coolant no Application for type of drilling up to 2.5×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring yellow | Thread type | G |
| Taper lead form C Helix angle Shank DIN 1835 B to h6 Through-coolant no Application for type of drilling up to 2.5×D for blind holes Cutting direction Shank tolerance h6 Type of threading tool Colour ring Colour ring Colour yellow | Flank angle | 55 degrees |
| Helix angle Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance Type of threading tool Colour ring A0 degrees DIN 1835 B to h6 no up to 2.5×D for blind holes right-hand Machine tap for synchronous machining yellow | Standard | Manufacturer's standard |
| Shank DIN 1835 B to h6 Through-coolant Application for type of drilling Cutting direction Shank tolerance h6 Type of threading tool Colour ring DIN 1835 B to h6 up to 2.5×D for blind holes right-hand h6 Machine tap for synchronous machining yellow | Taper lead form | С |
| Through-coolant no Application for type of drilling up to 2.5×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring yellow | Helix angle | 40 degrees |
| Application for type of drilling up to 2.5×D for blind holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring yellow | Shank | DIN 1835 B to h6 |
| Cutting direction right-hand Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring yellow | Through-coolant | no |
| Shank tolerance h6 Type of threading tool Machine tap for synchronous machining Colour ring yellow | Application for type of drilling | up to 2.5×D for blind holes |
| Type of threading tool Colour ring Machine tap for synchronous machining yellow | Cutting direction | right-hand |
| Colour ring synchronous machining yellow | Shank tolerance | h6 |
| - · · | Type of threading tool | |
| Type of product Tap | Colour ring | yellow |
| | Type of product | Тар |