Garant

Machine tap for synchronised spindles HSS-E-PM Form C, TiAIN, M: M4

determine)

Order data

| Order number | 136171 M4 |
|--------------|---------------|
| GTIN | 4045197867490 |
| Item class | 11H |

Description

Version:

Sturdy design with right-hand chip flutes and shank to DIN 1835-B.

Special geometry for **universal applications** on machines with **synchronised spindle drive.** The tap is guided by the synchronised spindle on 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 very high process reliability.

Thread type: M Tool material: HSS E PM Standard: Manufacturer's standard Tolerance class: ISO 2X 6HX Thread pitch: 0.7 mm Overall length L: 70 mm Shank \emptyset D_s: 6 mm Tapping hole \emptyset : 3.3 mm

Technical description

| Thread pitch | 0.7 mm |
|---------------------------|-------------------------|
| Tapping hole Ø | 3.3 mm |
| Standard | Manufacturer's standard |
| Number of cutting edges Z | 3 |
| Overall length L | 70 mm |

Data sheet

| Number of clamping slots3Shank Ø D,6 mmTool materialHSS E PMThread Ø4 mmThread depth12 mmThread typeMThread sizeM4CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angleM0ShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionnight-handShank toleranceh6Cutting directionMachine tap for synchronous machiningColour ringGreenType of productTap | Tolerance class | ISO 2X 6HX |
|---|----------------------------------|------------------------------------|
| Tool materialHSS E PMThread Ø4 mmThread depth12 mmThread typeMThread sizeM4CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Number of clamping slots | 3 |
| Thread Ø4 mmThread depth12 mmThread typeMThread sizeM4CoatingTiAINFlank angle60 degreesThread standardOIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionh6Shank toleranceh6Cutting directionMachine tap for synchronous machiningColour ringgreen | Shank Ø D _s | 6 mm |
| Thread depth12 mmThread typeMThread sizeM4CoatingTiAlNFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionh6Shank toleranceh6Cutting directionMachine tap for synchronous machiningColour ringgreen | Tool material | HSS E PM |
| Thread typeMThread sizeM4CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3xD for blind holesCutting directionnoShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Thread Ø | 4 mm |
| Thread sizeM4CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Thread depth | 12 mm |
| CoatingTiAINFlank angle600 degreesThread standardDIN 13Taper lead formCHelix angle400 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Thread type | М |
| Flank angle60 degreesFlank angle60 degreesThread standardDIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Thread size | M4 |
| Thread standardDIN 13Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Coating | TiAIN |
| Taper lead formCHelix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Flank angle | 60 degrees |
| Helix angle40 degreesShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Thread standard | DIN 13 |
| ShankDIN 1835 B to h6Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Taper lead form | C |
| Through-coolantnoApplication for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Helix angle | 40 degrees |
| Application for type of drillingup to 3×D for blind holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Shank | DIN 1835 B to h6 |
| Cutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Through-coolant | no |
| Shank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringgreen | Application for type of drilling | up to $3 \times D$ for blind holes |
| Type of threading toolMachine tap for synchronous machiningColour ringgreen | Cutting direction | right-hand |
| Colour ring green | Shank tolerance | h6 |
| | Type of threading tool | |
| Type of product Tap | Colour ring | green |
| | Type of product | Тар |