

# Synchronised fluteless machine tap with oil grooves Solid carbide, TiAIN, M: M5



## **Order data**

Order number	139242 M5
GTIN	4045197273482
Item class	11H

## **Description**

#### **Version:**

Special polygon geometry and shank to DIN 6535-HA for use on machines with synchronised spindle drives. With oil grooves; optimal lubrication effect even in deeper threads.

**Special solid carbide tool material** for high cutting speeds and long tool life. **TiAIN and antifriction coating** ensure low wear and low tendency to edge build-up.

### 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.

Tolerance class: ISO 2X 6HX

Thread pitch: 0.8 mm Overall length L: 70 mm Shank Ø D₃: 6 mm Shank square □: 4.9 mm

Tapping hole Ø with guide value: 4.65 mm

# **Technical description**

Number of clamping slots	5
Thread pitch	0.8 mm
Thread Ø	5 mm
Number of cutting edges Z	5
Shank Ø D <sub>s</sub>	6 mm
Shank square □	4.9 mm

Tolerance class  Thread depth  Thread size  M5  Coating  TiAIN  Thread type  M  Flank angle  Tool material  Solid carbide  Standard  Manufacturer's standard  Thread standard  Thread standard  Thread standard  Thread standard  Through-coolant  Application for type of drilling  Cutting direction  Shank tolerance  ISO 2X 6HX  15 mm  M5  M5  M5  M5  M6  M0  FIAIN  M0  M1  Flank M0  Manufacturer's standard  DIN 13  C  C  Shank  DIN 6535 HA with h6  Through-coolant  no  up to 3×D for blind holes and through holes  Tight-hand  Shank tolerance	Overall length L	70 mm
Thread depth Thread size M5 Coating TiAIN Thread type M Flank angle G0 degrees Tool material Solid carbide Standard Manufacturer's standard Thread standard Thread standard Thread form C Shank DIN 13 Taper lead form C Shank DIN 6535 HA with h6 Through-coolant no Application for type of drilling Cutting direction Fight-hand Shank tolerance h6 Colour ring Without	Tapping hole Ø with guide value	4.65 mm
Thread size  Coating  TiAIN  Thread type  M  Flank angle  60 degrees  Tool material  Solid carbide  Standard  Manufacturer's standard  Thread standard  DIN 13  Taper lead form  C  Shank  DIN 6535 HA with h6  Through-coolant  Application for type of drilling  Cutting direction  Flank tolerance  h6  Colour ring  TiAIN  Manufacturer's  Solid carbide  Solid carbide  Solid carbide  Solid carbide  Solid carbide  Manufacturer's standard  DIN 13  Taper lead form  C  shank  DIN 6535 HA with h6  Triough-coolant  no  up to 3×D for blind holes and through holes  without	Tolerance class	ISO 2X 6HX
Coating TiAIN Thread type M Flank angle 60 degrees Tool material Solid carbide Standard Manufacturer's standard Thread standard DIN 13 Taper lead form C Shank DIN 6535 HA with h6 Through-coolant no Application for type of drilling Cutting direction Shank tolerance Colour ring TiAIN M  M  M  M  M  M  M  Manufacturer's standard DIN 13  C  Shank DIN 6535 HA with h6  Through-coolant no  up to 3×D for blind holes and through holes  right-hand M  M  M  M  M  M  M  M  M  M  M  M  M	Thread depth	15 mm
Thread type  Flank angle  60 degrees  Tool material  Solid carbide  Standard  Manufacturer's standard  Thread standard  DIN 13  Taper lead form  C  Shank  DIN 6535 HA with h6  Through-coolant  no  Application for type of drilling  Cutting direction  Shank tolerance  Colour ring  Without	Thread size	M5
Flank angle  Tool material  Solid carbide  Standard  Manufacturer's standard  Thread standard  Thread form  C  Shank  DIN 6535 HA with h6  Through-coolant  no  Application for type of drilling  Cutting direction  Shank tolerance  Colour ring  God degrees  Solid carbide  Standard  DIN 13  Taper lead form  C  DIN 6535 HA with h6  Through-coolant  no  up to 3×D for blind holes and through holes  right-hand  without	Coating	TiAIN
Tool material Solid carbide Standard Manufacturer's standard Thread standard DIN 13 Taper lead form C Shank DIN 6535 HA with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes and through holes Cutting direction right-hand Shank tolerance h6 Colour ring without	Thread type	M
Standard Manufacturer's standard Thread standard DIN 13 Taper lead form C Shank DIN 6535 HA with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes and through holes Cutting direction right-hand Shank tolerance h6 Colour ring without	Flank angle	60 degrees
Thread standard  Taper lead form  C  Shank  DIN 6535 HA with h6  Through-coolant  no  Application for type of drilling  Cutting direction  Shank tolerance  Colour ring  DIN 13  C  C  Mithout	Tool material	Solid carbide
Taper lead form C Shank DIN 6535 HA with h6 Through-coolant no Application for type of drilling up to 3×D for blind holes and through holes Cutting direction right-hand Shank tolerance h6 Colour ring without	Standard	Manufacturer's standard
Shank  Through-coolant  Application for type of drilling  Cutting direction  Shank tolerance  Colour ring  DIN 6535 HA with h6  no  up to 3×D for blind holes and through holes  right-hand h6  without	Thread standard	DIN 13
Through-coolant no  Application for type of drilling up to 3×D for blind holes and through holes  Cutting direction right-hand  Shank tolerance h6  Colour ring without	Taper lead form	С
Application for type of drilling  Up to 3×D for blind holes and through holes  Cutting direction  Shank tolerance  h6  Colour ring  without	Shank	DIN 6535 HA with h6
Application for type of drilling holes and through holes  Cutting direction right-hand  Shank tolerance h6  Colour ring without	Through-coolant	no
Shank tolerance h6 Colour ring without	Application for type of drilling	•
Colour ring without	Cutting direction	right-hand
	Shank tolerance	h6
Type of product Fluteless tap	Colour ring	without
	Type of product	Fluteless tap