

## Machine tap for synchronised spindles HSS-E-PM, TiAIN, M: 14X1,5



### **Order data**

Order number	132950 14X1,5
GTIN	4045197705006
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: 1.5 mm Overall length L: 100 mm Shank Ø D₅: 12 mm Shank square □: 9 mm Tapping hole Ø: 12.5 mm

# **Technical description**

Tapping hole Ø	12.5 mm
Number of cutting edges Z	4
Thread Ø	14 mm
Number of clamping slots	4
Thread pitch	1.5 mm

Shank square □ 9 mm  Tolerance class ISO 2X 6HX  Tool material HSS E PM  Standard Manufacturer's standard  Thread depth 42 mm  Thread type MF  Thread size M14×1.5  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	Shank Ø D <sub>s</sub>	12 mm
Tolerance class Tool material Tool material Standard Manufacturer's standard Thread depth Thread type MF Thread size M14×1.5 Coating TiAIN Flank angle G0 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 Apm Machine tap for synchronous machining Golour ring Taper lead form Machine tap for synchronous machining Golour ring Type of threading tool Golour ring Type of threading tool Type of threading ty	Overall length L	100 mm
Tool material HSS E PM Standard Manufacturer's standard Thread depth 42 mm Thread type MF Thread size M14×1.5 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 42 mm Thread type MF Thread size M14×1.5 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	Tolerance class	ISO 2X 6HX
Thread depth Thread type  MF Thread size  M14×1.5  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  MF  MF  MF  MF  MF  M	Tool material	HSS E PM
Thread type Thread size  M14×1.5  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  MT  MI  MI  MI  MI  MI  MI  MI  MI  MI	Standard	Manufacturer's standard
Thread size  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  Cutting direction  Type of threading tool  Colour ring  M14×1.5  M14×1.5  M14×1.5  M14×1.5  Machine tap for synchronous machining  Green	Thread depth	42 mm
Coating Flank angle Flank angle Flank angle 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 Type of threading tool Colour ring TiAIN  60 degrees DIN 13  B DIN 1835 B with h6 Through-coolant no up to 3×D for through holes right-hand Machine tap for synchronous machining Golour ring TiAIN	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	M14×1.5
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  DIN 1835 B with h6  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