

## Machine tap for synchronised spindles HSS-E-PM internal cooling, DLC, M: M6



### **Order data**

Order number	131128 M6
GTIN	4045197648631
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.** Guidance is provided by the synchronising spindle of the machine.

With the latest generation of special **DLC coating sp**<sup>2</sup> for optimum tool life.

For use with **emulsion** (fat content minimum 8%).

With internal coolant supply for maximum tool life.

#### 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: 1 mm Overall length L: 80 mm Shank Ø D<sub>s</sub>: 6 mm

Shank square  $\square$ : 4.9 mm Tapping hole  $\varnothing$ : 5 mm

# **Technical description**

Thread pitch	1 mm
Number of cutting edges Z	3
Number of clamping slots	3
Thread Ø	6 mm

Standard       Manufacturer's standard         Shank Ø D,       6 mm         Overall length L       80 mm         Shank square □       4.9 mm         Tolerance class       ISO 2X 6HX         Tool material       HSS E PM         Thread depth       15 mm         Thread type       M         Thread size       M6         Coating       DLC         Flank angle       60 degrees         Thread standard       DIN 13         Taper lead form       B         Shank       DIN 1835 B with h6         Through-coolant       yes         Application for type of drilling       up to 2.5×D for through holes         Cutting direction       right-hand         Shank tolerance       h6         Type of threading tool       Machine tap for synchronous machining         Colour ring       yellow         Type of product       Tap	Tapping hole Ø	5 mm
Overall length L       80 mm         Shank square □       4.9 mm         Tolerance class       ISO 2X 6HX         Tool material       HSS E PM         Thread depth       15 mm         Thread type       M         Thread size       M6         Coating       DLC         Flank angle       60 degrees         Thread standard       DIN 13         Taper lead form       B         Shank       DIN 1835 B with h6         Through-coolant       yes         Application for type of drilling       up to 2.5×D for through holes         Cutting direction       right-hand         Shank tolerance       h6         Type of threading tool       Machine tap for synchronous machining         Colour ring       yellow	Standard	Manufacturer's standard
Shank square □4.9 mmTolerance classISO 2X 6HXTool materialHSS E PMThread depth15 mmThread typeMThread sizeM6CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantyesApplication for type of drillingup to 2.5×D for through holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Shank Ø D <sub>s</sub>	6 mm
Tolerance class  Tool material  Thread depth  Thread type  M  Thread size  M6  Coating  DLC  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  Tipe and type  ISO 2X 6HX  HSS E PM  M  A  B  M  M  M  M  M  M  M  M  M  M  M  M	Overall length L	80 mm
Tool material HSS E PM Thread depth 15 mm Thread type M Thread size M6 Coating DLC Flank angle 60 degrees Thread standard DIN 13 Taper lead form B Shank DIN 1835 B with h6 Through-coolant yes Application for type of drilling up to 2.5×D for through holes Cutting direction right-hand Shank tolerance h6 Type of threading tool Selection Synchronous machining Colour ring yellow	Shank square □	4.9 mm
Thread depth 15 mm  Thread type M  Thread size M6  Coating DLC  Flank angle 60 degrees  Thread standard DIN 13  Taper lead form B  Shank DIN 1835 B with h6  Through-coolant yes  Application for type of drilling up to 2.5×D for through holes  Cutting direction right-hand  Shank tolerance h6  Type of threading tool Machine tap for synchronous machining  Colour ring yellow	Tolerance class	ISO 2X 6HX
Thread type  Thread size  M6  Coating  DLC  Flank angle  60 degrees  Thread standard  DIN 13  Taper lead form  B  Shank  DIN 1835 B with h6  Through-coolant  yes  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  M  M6  M6  DLC  DIN 1835  B  Machine tap for synchronous machining  yellow	Tool material	HSS E PM
Thread size  Coating  DLC  Flank angle  60 degrees  Thread standard  DIN 13  Taper lead form  B  Shank  DIN 1835 B with h6  Through-coolant  yes  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  M6  60  60 degrees  DIN 13  DIN 13  B  Un to 2.5×D for through holes  Application for type of drilling  Wachine tap for synchronous machining  Yellow	Thread depth	15 mm
Coating  Flank angle  60 degrees  Thread standard  DIN 13  Taper lead form  B  Shank  DIN 1835 B with h6  Through-coolant  yes  Application for type of drilling  Cutting direction  Type of threading tool  Colour ring  DIN 1835 B with h6  DIN 1835 B with h6  Through-coolant  yes  up to 2.5×D for through holes  right-hand  Machine tap for synchronous machining  yellow	Thread type	M
Flank angle 60 degrees  Thread standard DIN 13  Taper lead form B  Shank DIN 1835 B with h6  Through-coolant yes  Application for type of drilling up to 2.5×D for through holes  Cutting direction right-hand  Shank tolerance h6  Type of threading tool Machine tap for synchronous machining  Colour ring yellow	Thread size	M6
Thread standard  Taper lead form  B  Shank  DIN 1835 B with h6  Through-coolant  yes  Application for type of drilling  Cutting direction  Type of threading tool  Type of threading tool  Colour ring  DIN 13  B  Machine tap for synchronous machining  yellow	Coating	DLC
Taper lead form  Shank  DIN 1835 B with h6  Through-coolant  Application for type of drilling  Cutting direction  Shank tolerance  h6  Type of threading tool  Colour ring  B  DIN 1835 B with h6  yes  up to 2.5×D for through holes  right-hand  Machine tap for synchronous machining  yellow	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  yes  up to 2.5×D for through holes  right-hand  h6  Machine tap for synchronous machining  yellow	Thread standard	DIN 13
Through-coolant yes  Application for type of drilling up to 2.5×D for through holes  Cutting direction right-hand  Shank tolerance h6  Type of threading tool Machine tap for synchronous machining  Colour ring yellow	Taper lead form	В
Application for type of drilling up to 2.5×D for through holes  Cutting direction right-hand  Shank tolerance h6  Type of threading tool Machine tap for synchronous machining  Colour ring yellow	Shank	DIN 1835 B with h6
Cutting direction right-hand  Shank tolerance h6  Type of threading tool Machine tap for synchronous machining  Colour ring yellow	Through-coolant	yes
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 through 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
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Type of product Tap	Colour ring	yellow
	Type of product	Тар