Garant

Machine tap for synchronised spindles HSS-E-PM, DLC, M: M12

Order data

Order number	131125 M12
GTIN	4045197648518
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**^{2} 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: 1.75 mm Overall length L: 110 mm Shank \emptyset D_s: 12 mm Shank square \Box : 9 mm Tapping hole \emptyset : 10.2 mm

Technical description

Thread Ø	12 mm
Thread pitch	1.75 mm
Number of clamping slots	3
Tapping hole Ø	10.2 mm

StandardManufacturer's standardShank Ø D,12 mmOverall length L110 mmShank square □9 mmTolerance classISO 2X 6HXTool materialHSS E PMThread depth30 mmThread typeMThread sizeM12CoatingOUFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionh6Shank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Number of cutting edges Z	3
Overall length L110 mmShank square I9 mmTolerance classISO 2X 6HXTool materialHSS E PMThread depth30 mmThread sizeMThread sizeM12CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Standard	Manufacturer's standard
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Tolerance classISO 2X 6HXTool materialHSS E PMThread depth30 mmThread typeMThread sizeM12CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Overall length L	110 mm
Tool materialHSS E PMThread depth30 mmThread typeMThread sizeM12CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionh6Shank toleranceh6Cutting toolMachine tap for synchronous machiningColour ringyellow	Shank square 🗆	9 mm
Thread depth30 mmThread typeMThread sizeM12CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionn6Shank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Tolerance class	ISO 2X 6HX
Thread typeMThread sizeM12CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Tool material	HSS E PM
Thread sizeM12CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Thread depth	30 mm
CoatingDLCFlank angle60 degreesThread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Thread type	М
Flank angle60 degreesFlank angleDIN 13Thread standardDIN 13Taper lead formBShankDIN 1835 B with h6Through-coolantnoApplication for type of drillingup to 2.5×D for through holesCutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Thread size	M12
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Cutting directionright-handShank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Through-coolant	no
Shank toleranceh6Type of threading toolMachine tap for synchronous machiningColour ringyellow	Application for type of drilling	up to 2.5×D for through holes
Type of threading toolMachine tap for synchronous machiningColour ringyellow	Cutting direction	right-hand
Type of threading tool synchronous machining Colour ring yellow	Shank tolerance	h6
	Type of threading tool	
Type of product Tap	Colour ring	yellow
	Type of product	Тар