# Garant

## Solid carbide machine tap, TiAlN, M: M8



# Order data

| Order number | 132080 M8     |
|--------------|---------------|
| GTIN         | 4045197071071 |
| Item class   | 11H           |

# Description

#### Version:

Particularly sturdy version. For the highest performance demands.

#### **Application:**

For use only with a length compensation chuck – even on machines with synchronised spindle drives.

#### **Recommendation:**

For very hard steels, TOOLOX and HARDOX materials we recommend deviating from the DIN data (see table) by drilling the tapping hole Ø 0.05 to 0.3 mm larger.

#### Thread type: M

Tool material: solid carbide Standard: DIN 371 Tolerance class: ISO 2X 6HX Thread pitch: 1.25 mm Overall length L: 90 mm Shank Ø D₅: 8 mm Shank square □: 6.2 mm Tapping hole Ø: 6.8 mm

# **Technical description**

| Tapping hole Ø            | 6.8 mm  |
|---------------------------|---------|
| Thread pitch              | 1.25 mm |
| Number of clamping slots  | 5       |
| Number of cutting edges Z | 5       |
| Thread Ø                  | 8 mm    |

| Overall length L90 mmShank square D6.2 mmTolerance classISO 2X 6HXTool materialSolid carbideThread depth16 mmThread typeMThread sizeM8CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machining<br>red   | Standard                         | DIN 371                           |
|---|----------------------------------|-----------------------------------|
| Shank square I6.2 mmTolerance classISO 2X 6HXTool materialsolid carbideThread depth16 mmThread sizeMCoatingM8Thread standard60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesType of threading toolMachine tap for dynamic machining<br>Machine tap for dynamic machiningColour ringMachine tap for dynamic machining | Shank Ø D <sub>s</sub>           | 8 mm                              |
| Tolerance classISO 2X 6HXTool materialSolid carbideThread depth16 mmThread typeMThread sizeM8CoatingTIAINFlank angle60 degreesThread standardDIN 13Taper lead formDIN 13ShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machining<br>red   | Overall length L                 | 90 mm                             |
| Tool materialsolid carbideThread depth16 mmThread typeMThread sizeM8CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesType of threading toolMachine tap for dynamic machiningTope of threading toolMachine tap for dynamic machiningCourringred   | Shank square 🗆                   | 6.2 mm                            |
| Thread depth16 mmThread typeMThread sizeM8CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantup to 2×D for blind<br>holes and through holesApplication for type of drillingup to 2×D for blind<br>holes and through holesType of threading toolMachine tap for dynamic machiningCoour ringMachine tap for dynamic machining  | Tolerance class                  | ISO 2X 6HX                        |
| Thread typeMThread sizeM8CoatingTiAINCoating60 degreesFlank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantup to 2×D for blind<br>holes and through holesApplication for type of drillingif tight-handType of threading toolMachine tap for dynamic machiningColour ringred  | Tool material                    | solid carbide                     |
| Thread sizeM8CoatingTiAINFlank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringred   | Thread depth                     | 16 mm                             |
| CoatingTiAlNFlank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringred  | Thread type                      | М                                 |
| Flank angle60 degreesThread standardDIN 13Taper lead formDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringred  | Thread size                      | M8                                |
| Thread standardDIN 13Taper lead formDShankDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machining<br>red  | Coating                          | TiAIN                             |
| Taper lead formDShankParallel shank to h6Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machining<br>red   | Flank angle                      | 60 degrees                        |
| Shank Parallel shank to h6   Through-coolant no   Application for type of drilling up to 2×D for blind holes and through holes   Cutting direction right-hand   Type of threading tool Machine tap for dynamic machining   Colour ring red  | Thread standard                  | DIN 13                            |
| Through-coolantnoApplication for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringred   | Taper lead form                  | D                                 |
| Application for type of drillingup to 2×D for blind<br>holes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringred  | Shank                            | Parallel shank to h6              |
| Application for type of drillingholes and through holesCutting directionright-handType of threading toolMachine tap for dynamic machiningColour ringred   | Through-coolant                  | no                                |
| Type of threading toolMachine tap for dynamic machiningColour ringred   | Application for type of drilling |                                   |
| Colour ring red   | Cutting direction                | right-hand                        |
|   | Type of threading tool           | Machine tap for dynamic machining |
| Type of product Tap   | Colour ring                      | red                               |
|   | Type of product                  | Тар                               |