

Garant
Machine tap HSS-E-PM Form CS, uncoated, M: M20

Order data

| | |
|--------------|---------------|
| Order number | 131290 M20 |
| GTIN | 4045197069566 |
| Item class | 11H |

Description
Version:
With spiral point.

 (Form CS) 2 – -3 turns chamfer lead – **with spiral point.**
Advantage:

Greater wear resistance.

Thread type: M

Tool material: HSS E PM

Standard: DIN 376

Tolerance class: ISO 2 6H

Thread pitch: 2.5 mm

Overall length L: 140 mm

 Shank $\varnothing D_s$: 16 mm

 Shank square \square : 12 mm

 Tapping hole \varnothing : 17.5 mm

Technical description

| | |
|----------------------------|---------|
| Thread pitch | 2.5 mm |
| Thread \varnothing | 20 mm |
| Tapping hole \varnothing | 17.5 mm |
| Number of cutting edges Z | 4 |
| Number of clamping slots | 4 |
| Standard | DIN 376 |
| Shank $\varnothing D_s$ | 16 mm |

| | |
|----------------------------------|--|
| Overall length L | 140 mm |
| Shank square □ | 12 mm |
| Tolerance class | ISO 2 6H |
| Tool material | HSS E PM |
| Thread depth | 60 mm |
| Thread type | M |
| Thread size | M20 |
| Coating | uncoated |
| Flank angle | 60 ° |
| Thread standard | DIN 13 |
| Taper lead form | CS |
| Shank | Plain shank with h9 |
| Through-coolant | no |
| Application for type of drilling | up to 3×D for through holes |
| Cutting direction | right-hand |
| Type of threading tool | Machine tap for conventional machining |
| Colour ring | without |
| Type of product | Tap |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 15 m/min | N |
| Steel < 500 N/mm ² | suitable | 18 m/min | P |
| Steel < 750 N/mm ² | suitable | 18 m/min | P |
| Steel < 900 N/mm ² | suitable | 18 m/min | P |
| Steel < 1100 N/mm ² | suitable only under restricted conditions | 9 m/min | P |
| Oil | suitable | | |

wet maximum

suitable only under
restricted conditions