

Garant
Machine tap tapered, vaporised, M: M20

Order data

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|--------------|---------------|
| Order number | 135550 M20 |
| GTIN | 4045197077035 |
| Item class | 11H |

Description
Version:
With conically offset guide thread.
Particularly for recessed blind hole threads where the swarf generated remains in the tap flutes. **HSS-E**

Thread type: M

Tool material: HSS E

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 □: 12 mm

Tapping hole \varnothing : 17.5 mm

Technical description

| | |
|------------------------------------|---------|
| Number of cutting edges Z | 4 |
| Number of clamping slots | 4 |
| Thread \varnothing | 20 mm |
| Thread pitch | 2.5 mm |
| Tapping hole \varnothing | 17.5 mm |
| Standard | DIN 376 |
| Shank \varnothing D _s | 16 mm |
| Overall length L | 140 mm |

| | |
|---------------------------------------|-----------------------------------|
| Shank square <input type="checkbox"/> | 12 mm |
| Tolerance class | ISO 2 6H |
| Tool material | HSS E |
| Thread depth | 40 mm |
| Thread type | M |
| Thread size | M20 |
| Coating | vaporised |
| Flank angle | 60° |
| Thread standard | DIN 13 |
| Taper lead form | C |
| Helix angle | 40° |
| Shank | Plain shank with h9 |
| Through-coolant | no |
| Application for type of drilling | up to 2×D for blind holes |
| Cutting direction | right-hand |
| Type of threading tool | Machine tap for dynamic machining |
| Colour ring | blue |
| Type of product | Tap |

User data

| | Suitability | V _c | ISO code |
|-------------------------------|-------------------------------------------|----------------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 13 m/min | N |
| Steel < 500 N/mm ² | suitable only under restricted conditions | 15 m/min | P |
| Steel < 750 N/mm ² | suitable only under restricted conditions | 15 m/min | P |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 15 m/min | P |
| INOX < 900 N/mm ² | suitable | 6 m/min | M |

| | | | |
|-------------|-------------------------------------------|----------|---|
| CuZn | suitable only under restricted conditions | 13 m/min | N |
| Oil | suitable | | |
| wet maximum | suitable only under restricted conditions | | |