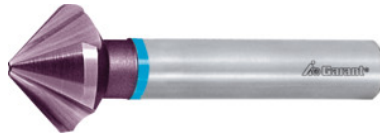


Garant
High-precision countersink 90°, TiCN, External Ø Dc: 20,5mm

Order data

| | |
|--------------|---------------|
| Order number | 150379 20,5 |
| GTIN | 4045197416193 |
| Item class | 11M |

Description
Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

High-precision countersink, produced with tight manufacturing tolerances similar to DIN 335-C.

Technical description

| | |
|---|--------------|
| for countersunk screws DIN 7991 | M10 |
| Pre-drill Ø | 3.5 mm |
| External Ø | 20.5 mm |
| Shank tolerance | h9 |
| smallest countersink Ø for holes from | 3.5 mm |
| Feed f in stainless steel < 900 N/mm ² | 0.16 mm/rev. |
| Shank Ø D _s | 10 mm |
| Overall length L | 63 mm |
| Number of cutting edges Z | 3 |
| Coating | TiCN |
| Countersink tip angle | 90 degrees |
| Tool material | HSS E |

| | |
|-----------------|-------------------------------|
| Standard | DIN 335 C |
| Shank | Plain shank with h9 |
| Through-coolant | no |
| Colour ring | blue |
| Type of product | Stepped drill and countersink |

User data

| | Suitability | V _c | ISO code |
|--------------------------------|---|----------------|----------|
| Aluminium (short chipping) | suitable only under restricted conditions | 38 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 30 m/min | N |
| Steel < 500 N/mm ² | suitable only under restricted conditions | 34 m/min | P |
| Steel < 750 N/mm ² | suitable | 32 m/min | P |
| Steel < 900 N/mm ² | suitable | 32 m/min | P |
| Steel < 1100 N/mm ² | suitable | 10 m/min | P |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 5 m/min | P |
| INOX < 900 N/mm ² | suitable | 9 m/min | M |
| INOX > 900 N/mm ² | suitable | 9 m/min | M |
| Ti > 850 N/mm ² | suitable only under restricted conditions | 8 m/min | S |
| GG(G) | suitable only under restricted conditions | 14 m/min | K |
| CuZn | suitable only under restricted conditions | 80 m/min | N |
| wet maximum | suitable | | |
| wet minimum | suitable | | |
| dry | suitable only under restricted conditions | | |

