

Garant**High-precision countersink, extra long 90°, uncoated, External Ø Dc: 20,5mm**

Order data

| | |
|--------------|---------------|
| Order number | 150372 20,5 |
| GTIN | 4045197086204 |
| Item class | 11M |

Description

Version:

All countersinks have 3 cutting edges, radially relief ground. Flutes ground from solid. High-precision countersink, produced to tight manufacturing tolerances similar to DIN 335-C **with extra long plain shank.**

Technical description

| | |
|---|-------------------------|
| for countersunk screws DIN 7991 | M10 |
| Feed f in steel < 500 N/mm ² | 0.16 mm/rev. |
| Pre-drill Ø | 3.5 mm |
| smallest countersink Ø for holes from | 3.5 mm |
| Shank tolerance | h9 |
| External Ø | 20.5 mm |
| Shank Ø D _s | 10 mm |
| Overall length L | 164 mm |
| Number of cutting edges Z | 3 |
| Coating | uncoated |
| Countersink tip angle | 90 degrees |
| Tool material | HSS |
| Standard | Manufacturer's standard |
| Shank | Plain shank with h9 |

| | |
|-----------------|-------------------------------|
| Through-coolant | no |
| Colour ring | without |
| Type of product | Stepped drill and countersink |

User data

| | Suitability | V_c | ISO code |
|-------------------------------|---|----------|----------|
| Alu plastics | suitable | 70 m/min | N |
| Aluminium (short chipping) | suitable | 33 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 20 m/min | N |
| Steel < 500 N/mm ² | suitable | 28 m/min | P |
| Steel < 750 N/mm ² | suitable | 27 m/min | P |
| Steel < 900 N/mm ² | suitable only under restricted conditions | 27 m/min | P |
| wet maximum | suitable | | |
| dry | suitable only under restricted conditions | | |