

High-precision countersink 90°, uncoated, External Ø Dc: 16,5mm



Order data

| Order number | 150378 16,5 | | |
|--------------|---------------|--|--|
| GTIN | 4045197086372 | | |
| 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

| Feed f in stainless steel < 900 N/mm ² | 0.14 mm/rev. | | |
|---|--------------|--|--|
| smallest countersink Ø for holes from | 3.2 mm | | |
| for countersunk screws DIN 7991 | M8 | | |
| Shank tolerance | h9 | | |
| Pre-drill Ø | 3.2 mm | | |
| External Ø | 16.5 mm | | |
| Shank Ø D _s | 10 mm | | |
| Overall length L | 60 mm | | |
| Number of cutting edges Z | 3 | | |
| Coating | uncoated | | |
| 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 | \mathbf{V}_{c} | ISO code |
|--------------------------------|---|------------------|----------|
| Alu plastics | suitable | 70 m/min | N |
| Aluminium (short chipping) | suitable only under restricted conditions | 33 m/min | N |
| Alu > 10% Si | suitable only under restricted conditions | 25 m/min | N |
| Steel < 500 N/mm ² | suitable only under restricted conditions | 28 m/min | Р |
| Steel < 750 N/mm ² | suitable | 27 m/min | Р |
| Steel < 900 N/mm ² | suitable | 27 m/min | Р |
| Steel < 1100 N/mm ² | suitable | 8 m/min | Р |
| Steel < 1400 N/mm ² | suitable only under restricted conditions | 4 m/min | Р |
| INOX < 900 N/mm ² | suitable | 7 m/min | М |
| INOX > 900 N/mm ² | suitable | 7 m/min | М |
| Ti > 850 N/mm ² | suitable only under restricted conditions | 7 m/min | S |
| GG(G) | suitable only under restricted conditions | 12 m/min | K |
| CuZn | suitable only under restricted conditions | 65 m/min | N |
| wet minimum | suitable | | |
| dry | suitable only under restricted conditions | | |

