

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

Order data

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|--------------|---------------|
| Order number | 150152 16,5 |
| GTIN | 4045197717016 |
| 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.

Three **drive flats on the shank** for use in a 3-jaw chuck.

Application:

High precision countersinks for chatter-free countersinking.

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 3.2 mm

Overall length L: 60 mm

Shank Ø D_s: 10 mm

for countersunk screws DIN 7991: M8

Feed f in steel < 500 N/mm²: 0.14 mm/rev.

Technical description

| | |
|---|--------------|
| Shank tolerance | h9 |
| for countersunk screws DIN 7991 | M8 |
| External Ø | 16.5 mm |
| smallest countersink Ø for holes from | 3.2 mm |
| Feed f in steel < 500 N/mm ² | 0.14 mm/rev. |

| | |
|---------------------------|-------------------------------------|
| Shank $\varnothing D_s$ | 10 mm |
| Overall length L | 60 mm |
| Number of cutting edges Z | 3 |
| Coating | uncoated |
| Countersink tip angle | 90 degrees |
| Tool material | HSS |
| Standard | DIN 335 C |
| Shank | Shank with h9 and three drive flats |
| Through-coolant | no |
| Colour ring | without |
| Type of product | Stepped drill and countersink |