

**Garant**
**High-precision countersink 90°, uncoated, External Ø Dc: 7 mm**

**Order data**

|              |               |
|--------------|---------------|
| Order number | 150152 7      |
| GTIN         | 4045197716927 |
| 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: 1.8 mm

Overall length L: 50 mm

Shank Ø D<sub>s</sub>: 6 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M3.5

Feed f in steel < 500 N/mm<sup>2</sup>: 0.09 mm/rev.

**Technical description**

|   |              |
|---|--------------|
| smallest countersink Ø for holes from             | 1.8 mm       |
| Feed f in steel < 500 N/mm <sup>2</sup>           | 0.09 mm/rev. |
| for countersunk screws ISO 2009, 2010, 7046, 7047 | M3.5         |
| Shank tolerance                                   | h9           |
| External Ø  | 7 mm         |

|                           |                                     |
|---------------------------|-------------------------------------|
| Shank $\varnothing D_s$   | 6 mm                                |
| Overall length L          | 50 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       |