

## Garant

### Precision countersinks with unequal spacing 90°, TiAlN, External Ø Dc: 10,4 mm



#### Order data

Order number	150130 10,4
GTIN	4045197700711
Item class	11M

#### Description

##### Version:

**All countersinks have 3 cutting edges. Special geometry with extremely unequal spacing** and matching cutting edge preparation. Radially relief ground. Flutes ground from solid. Newly developed **special TiAlN coating** for long service life.

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

##### Advantage:

Very smooth cutting throughout the entire countersinking operation. Chatter-free running for perfect results and **optimum tool service life**.

##### Application:

High-precision countersinks for production of exactly round 90° countersunk surfaces.

Through-coolant: no

Number of cutting edges Z: 3

Number of cutting edges Z: 3

smallest countersink Ø for holes from: 2.5 mm

Overall length L: 50 mm

Shank Ø D<sub>s</sub>: 6 mm

for countersunk screws DIN 7991: M5

Feed f in steel < 500 N/mm<sup>2</sup>: 0.13 mm/rev.

#### Technical description

Shank tolerance	h9
smallest countersink Ø for holes from	2.5 mm

for countersunk screws DIN 7991	M5
Feed f in steel < 500 N/mm <sup>2</sup>	0.13 mm/rev.
External Ø	10.4 mm
Shank Ø D <sub>s</sub>	6 mm
Overall length L	50 mm
Number of cutting edges Z	3
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Plain shank with h9
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink