



## Countersink 90°, TiN, External Ø Dc: 11,5 mm



### Order data

Order number	150180 11,5
GTIN	4045197085931
Item class	12M

### Description

#### Version:

**All countersinks have 3 cutting edges**, radially relieved.

Flutes are ground from solid.

Economy version, improved performance due to coating.

#### 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: 2.8 mm

Overall length L: 56 mm

Shank Ø D<sub>s</sub>: 8 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M6

Feed f in steel < 500 N/mm<sup>2</sup>: 0.12 mm/rev.

### Technical description

smallest countersink Ø for holes from	2.8 mm
External Ø	11.5 mm
for countersunk screws ISO 2009, 2010, 7046, 7047	M6
Feed f in steel < 500 N/mm <sup>2</sup>	0.12 mm/rev.
Shank tolerance	h9
Shank Ø D <sub>s</sub>	8 mm

Overall length L	56 mm
Number of cutting edges Z	3
Coating	TiN
Countersink tip angle	90 degrees
Tool material	HSS
Standard	DIN 335 C
Shank	Plain shank with h9
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink