



## Countersink 90°, TiN, External Ø Dc: 15 mm



### Order data

Order number	150180 15
GTIN	4045197085955
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

Number of cutting edges Z: 3

smallest countersink Ø for holes from: 3.2 mm

Overall length L: 60 mm

Shank Ø D<sub>s</sub>: 10 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M8

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

### Technical description

smallest countersink Ø for holes from	3.2 mm
Shank tolerance	h9
External Ø	15 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.12 mm/rev.
for countersunk screws ISO 2009, 2010, 7046, 7047	M8
Shank Ø D <sub>s</sub>	10 mm

Overall length L	60 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