



## Countersink 90°, uncoated, External Ø Dc: 19 mm



### Order data

Order number	150175 19
GTIN	4045197085818
Item class	12M

### Description

#### Version:

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

Flutes are ground from solid.

Economy countersink version.

#### 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: 3.5 mm

Overall length L: 63 mm

Shank Ø D<sub>s</sub>: 10 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M10

Feed f in steel < 500 N/mm<sup>2</sup>: 0.14 mm/rev.

### Technical description

External Ø	19 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.14 mm/rev.
for countersunk screws ISO 2009, 2010, 7046, 7047	M10
smallest countersink Ø for holes from	3.5 mm
Shank tolerance	h9
Shank Ø D <sub>s</sub>	10 mm

Overall length L	63 mm
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	90 degrees
Tool material	HSS
Standard	DIN 335 C
Shank	Plain shank with h9
Through-coolant	no
Colour ring	without
Type of product	Stepped drill and countersink