

Garant
Countersink solid carbide 90°, uncoated, External Ø Dc: 16,5 mm

Order data

Order number	150386 16,5
GTIN	4045197086631
Item class	11M

Description
Version:

Very **sturdy version**, multi-flute, **special geometry** for **very heavy duty use**. For **chatter-free countersinking** and **deburring**. For **difficult to machine materials**. Solid carbide head with brazed shank.

Suitable even for Hardox 500.

Note:

Ensure stable conditions during operation!

Through-coolant: no

Number of cutting edges Z: 5

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smallest countersink Ø for holes from: 4.5 mm

Overall length L: 60 mm

Shank Ø D_s: 10 mm

Feed f in steel < 60 HRC: 0.05 mm/rev.

Technical description

External Ø	16.5 mm
Shank tolerance	h9
smallest countersink Ø for holes from	4.5 mm
Pre-drill Ø	4.5 mm
Feed f in steel < 60 HRC	0.05 mm/rev.
Shank Ø D _s	10 mm

Overall length L	60 mm
Number of cutting edges Z	5
Coating	uncoated
Countersink tip angle	90 degrees
Tool material	Solid carbide
Standard	Manufacturer's standard
Type	H
Shank	Plain shank with h9
Through-coolant	no
Colour ring	red
Type of product	Stepped drill and countersink