

## Garant

### High-precision countersink, long, with 3 drive flats 90°, TiAlN, External Ø Dc: 8,3 mm



#### Order data

Order number	150376 8,3
GTIN	4062406065997
Item class	11M

#### Description

##### Version:

**All countersinks have 3 cutting edges**, radially relief ground. Flutes ground from solid. High-precision countersink, produced to tight manufacturing tolerances similar to DIN335-C, **with long plain shank.**

**Special geometry with extremely unequal spacing** and matching cutting edge preparation. Newly developed, **special TiAlN coating** for long tool life.

Three **drive flats on the shank** for use in a 3-jaw chuck.

##### Application:

High-precision countersinks for chatter-free production of **precise, round 90° countersunk surfaces.**

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 2 mm

Overall length L: 105 mm

Shank Ø D<sub>s</sub>: 6 mm

for countersunk screws DIN 7991: M4

Feed f in steel < 500 N/mm<sup>2</sup>: 0.1 mm/rev.

#### Technical description

for countersunk screws DIN 7991	M4
Shank Ø D <sub>s</sub>	6 mm
Overall length L	105 mm
Number of cutting edges Z	3

Pre-drill Ø	2 mm
Shank tolerance	h9
smallest countersink Ø for holes from	2 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.1 mm/rev.
External Ø	8.3 mm
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	Manufacturer's standard
Shank	Three clamping flats to h9
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink

## Accessories

High-precision countersink set with 3 drive flats, long, No. 150376 in a case 90° Number of countersinks 6	150369 6
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