

## Garant

**High-precision countersink set with 3 drive flats No. 150132 in a box 90°, TiAlN, Number of countersinks: 5**



### Order data

Order number	150303 5
GTIN	4045197912107
Item class	11M

### Description

#### Version:

Precision countersink 150132. All countersinks **also have 3 drive flats** on the shank for use in a 3-jaw chuck.

**All countersinks have 3 cutting edges. Special geometry with extremely unequal spacing** and matching cutting edge preparation. Radially relief ground. Flutes ground from solid. Newly developed **special TiAlN coating** for long service life. High-precision countersink, produced with tight manufacturing tolerances similar to DIN 335-C.

#### Advantage:

Very smooth cutting throughout the entire countersinking operation. Chatter-free running for perfect results and **optimum tool service life**.

#### Application:

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

#### Content:

1 pc. each countersink: Sizes 6.3; 10.4; 12.4; 16.5; 20.5

#### Supplied with:

5-piece precision countersink set in a **round box**.

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Shank: Three clamping flats to h9

Number of cutting edges Z: 3

## Technical description

Number of cutting edges Z	3
Number of countersinks	5
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Three clamping flats to h9
Colour ring	green
Type of product	Stepped drill and countersink

## Accessories

High-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 6,3 mm	150132 6,3
High-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 20,5 mm	150132 20,5
Handle for countersink with 3 drive flats Shank Ø 10 mm	150408 10
Handle for countersink with 3 drive flats Shank Ø 6 mm	150408 6
High-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 12,4 mm	150132 12,4
High-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 16,5 mm	150132 16,5
High-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 10,4 mm	150132 10,4
Handle for countersink with 3 drive flats Shank Ø 8 mm	150408 8