

Garant
**Precision countersinks with unequal spacing with 3 drive flats 60°, TiAlN,
External Ø Dc: 10 mm**

Order data

| | |
|--------------|---------------|
| Order number | 150817 10 |
| GTIN | 4045197889270 |
| Item class | 11M |

Description
Version:

High-precision 60° countersink with unequal spacing.

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.

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

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 **exactly round 60° countersunk surfaces.**

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 2.5 mm

Overall length L: 50 mm

Shank Ø D_s: 6 mm

Feed f in steel < 500 N/mm²: 0.13 mm/rev.

Technical description

| | |
|------------------|-------|
| Overall length L | 50 mm |
| External Ø | 10 mm |

| | |
|--|-------------------------------|
| Feed f in steel < 500 N/mm ² | 0.13 mm/rev. |
| smallest countersink Ø for holes from | 2.5 mm |
| Shank Ø D _s | 6 mm |
| Number of cutting edges Z | 3 |
| Coating | TiAlN |
| Countersink tip angle | 60 degrees |
| Tool material | HSS |
| Spacing of the countersink cutting edges | unequal spacing |
| Standard | DIN 334 |
| Shank | Three clamping flats to h9 |
| Through-coolant | no |
| Colour ring | green |
| Type of product | Stepped drill and countersink |