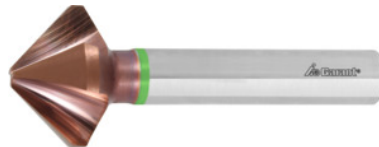


Garant

High-precision countersink with unequal spacing and 3 drive flats 90°, TiAlN, External Ø Dc: 19 mm



Order data

| | |
|--------------|---------------|
| Order number | 150132 19 |
| GTIN | 4045197741981 |
| Item class | 11M |

Description

Version:

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. 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 90° countersunk surfaces.

Through-coolant: no

Number of cutting edges Z: 3

Number of cutting edges Z: 3

smallest countersink Ø for holes from: 3.5 mm

Overall length L: 63 mm

Shank Ø D_s: 10 mm

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

Feed f in steel < 500 N/mm²: 0.18 mm/rev.

Technical description

| | |
|------------|-------|
| External Ø | 19 mm |
|------------|-------|

| | |
|---|-------------------------------------|
| Shank tolerance | h9 |
| Feed f in steel < 500 N/mm ² | 0.18 mm/rev. |
| for countersunk screws ISO 2009, 2010, 7046, 7047 | M10 |
| smallest countersink Ø for holes from | 3.5 mm |
| Shank Ø D _s | 10 mm |
| Overall length L | 63 mm |
| Number of cutting edges Z | 3 |
| Coating | TiAlN |
| Countersink tip angle | 90 degrees |
| Tool material | HSS |
| Spacing of the countersink cutting edges | unequal spacing |
| Standard | DIN 335 C |
| Shank | Shank with h9 and three drive flats |
| Through-coolant | no |
| Colour ring | green |
| Type of product | Stepped drill and countersink |