Garant

Precision solid carbide countersink with unequal spacing 90°, TiAlN, External Ø Dc: 16,5 mm



Order data

| Order number | 150388 16,5 |
|--------------|---------------|
| GTIN | 4045197743794 |
| 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 TiAIN 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 exactly round 90° countersunk surfaces. Very well suited to virtually all materials. Advantage in comparison to HSS countersinks especially in the field of high-tensile steels and because the working life is several times longer. **Shank tolerance h6** - suitable for mounting in hydraulic chucks or shrink-fit chucks.

Through-coolant: no Number of cutting edges Z: 3 Number of cutting edges Z: 3 smallest countersink Ø for holes from: 3.2 mm Overall length L: 60 mm Shank Ø D_s: 10 mm for countersunk screws DIN 7991: M8 Feed f in steel < 1100 N/mm²: 0.16 mm/rev.

Technical description

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Data sheet

| Number of cutting edges Z | 3 |
|--|-------------------------------|
| smallest countersink Ø for holes from | 3.2 mm |
| for countersunk screws DIN 7991 | M8 |
| Shank Ø D _s | 10 mm |
| External Ø | 16.5 mm |
| Overall length L | 60 mm |
| Feed f in steel < 1100 N/mm ² | 0.16 mm/rev. |
| Coating | TiAIN |
| Countersink tip angle | 90 degrees |
| Tool material | Solid carbide |
| Spacing of the countersink cutting edges | unequal spacing |
| Standard | DIN 335 C |
| Shank | Plain shank with h6 |
| Through-coolant | no |
| Colour ring | green |
| Type of product | Stepped drill and countersink |