

High-precision solid carbide countersink with unequal spacing 90°, TiAlN, External Ø Dc: 6,3mm



Order data

| Order number | 150388 6,3 |
|--------------|---------------|
| GTIN | 4045197743756 |
| 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.

Technical description

| External Ø | 6.3 mm |
|---------------------------------------|--------|
| Shank Ø D _s | 5 mm |
| smallest countersink Ø for holes from | 1.5 mm |
| for countersunk screws DIN 7991 | M3 |
| Number of cutting edges Z | 3 |



| Overall length L | 45 mm | |
|--|-------------------------------|--|
| Feed f in steel < 1100 N/mm ² | 0.08 mm/rev. | |
| Coating | TiAIN | |
| Countersink tip angle | 90 degrees | |
| l 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 | |

User data

| | Suitability | \mathbf{V}_{c} | ISO code |
|--------------------------------|-------------|------------------|----------|
| Alu plastics | suitable | 80 m/min | N |
| Aluminium (short chipping) | suitable | 80 m/min | N |
| Alu > 10% Si | suitable | 60 m/min | N |
| Steel < 500 N/mm ² | suitable | 65 m/min | Р |
| Steel < 750 N/mm ² | suitable | 60 m/min | Р |
| Steel < 900 N/mm ² | suitable | 50 m/min | Р |
| Steel < 1100 N/mm ² | suitable | 40 m/min | Р |
| Steel < 1400 N/mm ² | suitable | 10 m/min | Р |
| Steel < 55 HRC | suitable | 12 m/min | Н |
| INOX < 900 N/mm ² | suitable | 25 m/min | M |
| INOX > 900 N/mm ² | suitable | 20 m/min | M |
| Ti > 850 N/mm ² | suitable | 15 m/min | S |
| GG(G) | suitable | 35 m/min | K |
| CuZn | suitable | 70 m/min | N |

| Graphite, GRP, CRP | suitable only under restricted conditions | |
|--------------------|---|--|
| Uni | suitable | |
| wet maximum | suitable | |
| wet minimum | suitable | |
| Air | suitable only under restricted conditions | |