



Countersink 90°, TiN, External Ø Dc: 31mm



Order data

| | |
|--------------|---------------|
| Order number | 150180 31 |
| GTIN | 4045197086013 |
| Item class | 12M |

Description

Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

Economy version, improved performance due to coating.

Application:

High precision countersinks for chatter-free countersinking.

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 4.2 mm

Overall length L: 71 mm

Shank Ø D_s: 12 mm

for countersunk screws DIN 7991: M16

Feed f in steel < 500 N/mm²: 0.2 mm/rev.

Technical description

| | |
|---|-------------|
| Feed f in steel < 500 N/mm ² | 0.2 mm/rev. |
| External Ø | 31 mm |
| Shank tolerance | h9 |
| smallest countersink Ø for holes from | 4.2 mm |
| for countersunk screws DIN 7991 | M16 |
| Shank Ø D _s | 12 mm |

| | |
|---------------------------|-------------------------------|
| Overall length L | 71 mm |
| Number of cutting edges Z | 3 |
| Coating | TiN |
| Countersink tip angle | 90 ° |
| Tool material | HSS |
| Standard | DIN 335 C |
| Shank | Plain shank with h9 |
| Through-coolant | no |
| Colour ring | green |
| Type of product | Stepped drill and countersink |

User data

| | Suitability | V _c | ISO code |
|-------------------------------|---|----------------|----------|
| Aluminium (short chipping) | suitable | 38 m/min | N |
| Steel < 500 N/mm ² | suitable only under restricted conditions | 34 m/min | P |
| Steel < 750 N/mm ² | suitable | 32 m/min | P |
| Steel < 900 N/mm ² | suitable | 32 m/min | P |
| INOX < 900 N/mm ² | suitable only under restricted conditions | 9 m/min | M |
| CuZn | suitable | 80 m/min | N |
| Uni | suitable | | |
| wet maximum | suitable | | |
| dry | suitable only under restricted conditions | | |