

Garant
High-precision countersink 90°, TiAlN, External Ø Dc: 23 mm

Order data

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| Order number | 150170 23 |
| GTIN | 4045197364722 |
| Item class | 11M |

Description
Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

Precision countersink for considerable performance improvement.

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: 3.8 mm

Overall length L: 67 mm

Shank Ø D_s: 10 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M12

Feed f in steel < 500 N/mm²: 0.16 mm/rev.

Technical description

| | |
|---|--------------|
| smallest countersink Ø for holes from | 3.8 mm |
| Shank tolerance | h9 |
| External Ø | 23 mm |
| Feed f in steel < 500 N/mm ² | 0.16 mm/rev. |
| for countersunk screws ISO 2009, 2010, 7046, 7047 | M12 |
| Shank Ø D _s | 10 mm |

| | |
|---------------------------|-------------------------------|
| Overall length L | 67 mm |
| Number of cutting edges Z | 3 |
| Coating | TiAlN |
| Countersink tip angle | 90 degrees |
| 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 |

Accessories

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| Countersink set No. 150170 in a case 90° Number of countersinks 17 | 150315 17 |
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