

Garant

Precision solid carbide countersink with unequal spacing 90°, TiAlN, External Ø Dc: 31 mm



Order data

Order number	150388 31
GTIN	4045197745620
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.

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

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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 < 1100 N/mm²: 0.24 mm/rev.

Technical description

Number of cutting edges Z	3
External Ø	31 mm
for countersunk screws DIN 7991	M16
Overall length L	71 mm
smallest countersink Ø for holes from	4.2 mm
Shank Ø D _s	12 mm
Feed f in steel < 1100 N/mm ²	0.24 mm/rev.
Coating	TiAlN
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