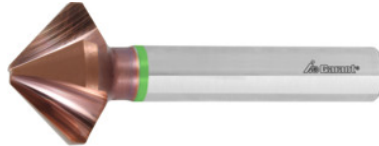


Garant

High-precision countersink with unequal spacing and 3 drive flats 90°, TiAlN, External Ø Dc: 31 mm



Order data

Order number	150132 31
GTIN	4045197742001
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. Three **drive flats on the shank** for use in a 3-jaw chuck.

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.

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: 0.25 mm/rev.

Technical description

External Ø	31 mm
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smallest countersink \varnothing for holes from	4.2 mm
Shank tolerance	h9
for countersunk screws DIN 7991	M16
Feed f in steel < 500 N/mm ²	0.25 mm/rev.
Shank $\varnothing D_s$	12 mm
Overall length L	71 mm
Number of cutting edges Z	3
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Shank with h9 and three drive flats
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink