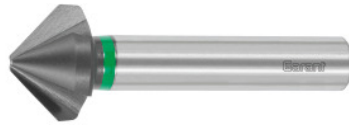


Garant
High-precision countersink 90°, TiAlN, External Ø Dc: 31 mm

Order data

Order number	150170 31
GTIN	4045197085672
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

Number of cutting edges Z: 3

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

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

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
Standard	DIN 335 C
Shank	Plain shank with h9
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink