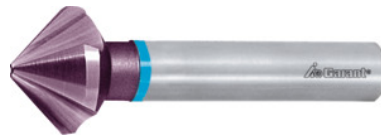


**Garant**
**High-precision countersink 90°, TiCN, External Ø Dc: 31 mm**

**Order data**

Order number	150379 31
GTIN	4045197445728
Item class	11M

**Description**
**Version:**

**All countersinks have 3 cutting edges**, radially relieved.

Flutes are ground from solid.

High-precision countersink, produced with tight manufacturing tolerances similar to DIN 335-C.

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<sub>s</sub>: 12 mm

for countersunk screws DIN 7991: M16

Feed f in stainless steel < 900 N/mm<sup>2</sup>: 0.18 mm/rev.

**Technical description**

Feed f in stainless steel < 900 N/mm <sup>2</sup>	0.18 mm/rev.
Shank tolerance	h9
Pre-drill Ø	4.2 mm
for countersunk screws DIN 7991	M16
smallest countersink Ø for holes from	4.2 mm
External Ø	31 mm
Shank Ø D <sub>s</sub>	12 mm

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