

Garant

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



Order data

Order number	150377 31
GTIN	4045197868046
Item class	11M

Description

Version:

All countersinks have 3 cutting edges, radially relief ground. Flutes ground from solid. High-precision countersink, produced to tight manufacturing tolerances similar to DIN335-C, **with long plain shank.**

Special geometry with extremely unequal spacing and matching cutting edge preparation. Newly developed, **special TiAlN coating** for long tool life.

Application:

High-precision countersinks for chatter-free production of **precise, 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: 140 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

Overall length L	140 mm
Shank Ø D _s	12 mm
Feed f in steel < 500 N/mm ²	0.25 mm/rev.
smallest countersink Ø for holes from	4.2 mm

Shank tolerance	h9
for countersunk screws DIN 7991	M16
Number of cutting edges Z	3
External Ø	31 mm
Pre-drill Ø	4.2 mm
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	Manufacturer's standard
Shank	Parallel shank to h9
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink