

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

Order data

Order number	150150 31
GTIN	4045197085580
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.

Application:

High precision countersinks for chatter-free countersinking.

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: 0.2 mm/rev.

Technical description

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

Shank $\varnothing D_s$	12 mm
Overall length L	71 mm
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	90°
Tool material	HSS
Standard	DIN 335 C
Shank	Plain shank with h9
Through-coolant	no
Colour ring	without
Type of product	Stepped drill and countersink

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	33 m/min	N
Steel < 500 N/mm ²	suitable	28 m/min	P
Steel < 750 N/mm ²	suitable	27 m/min	P
Steel < 900 N/mm ²	suitable only under restricted conditions	27 m/min	P
wet maximum	suitable		
dry	suitable only under restricted conditions		