



Countersink 90°, TiN, External Ø Dc: 11,5mm



Order data

Order number	150180 11,5
GTIN	4045197085931
Item class	12M

Description

Version:

All countersinks have 3 cutting edges, radially relieved.

Flutes are ground from solid.

Economy version, improved performance due to coating.

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: 2.8 mm

Overall length L: 56 mm

Shank Ø D_s: 8 mm

for countersunk screws ISO 2009, 2010, 7046, 7047: M6

Feed f in steel < 500 N/mm²: 0.12 mm/rev.

Technical description

smallest countersink Ø for holes from	2.8 mm
External Ø	11.5 mm
for countersunk screws ISO 2009, 2010, 7046, 7047	M6
Feed f in steel < 500 N/mm ²	0.12 mm/rev.
Shank tolerance	h9
Shank Ø D _s	8 mm

Overall length L	56 mm
Number of cutting edges Z	3
Coating	TiN
Countersink tip angle	90 °
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

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable	38 m/min	N
Steel < 500 N/mm ²	suitable only under restricted conditions	34 m/min	P
Steel < 750 N/mm ²	suitable	32 m/min	P
Steel < 900 N/mm ²	suitable	32 m/min	P
INOX < 900 N/mm ²	suitable only under restricted conditions	9 m/min	M
CuZn	suitable	80 m/min	N
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		