

Garant
High-precision countersink 90°, uncoated, External Ø Dc: 23 mm

Order data

Order number	150390 23
GTIN	4045197086747
Item class	11M

Description
Version:

Countersinks radially relief ground. Chip flutes are ground from solid up to size 31. Chip angle varies with the countersink Ø for optimum chip formation. Countersink point and circumference are relief ground and cut easily.

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

Note:

For countersink bits with shank 6.3 mm (1/4 inch) see Group 67.

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

Through-coolant: no

Number of cutting edges Z: 3

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smallest countersink Ø for holes from: 3.8 mm

Overall length L: 106 mm

Morse taper MT: 2

for countersunk screws ISO 2009, 2010, 7046, 7047: M12

Feed f in steel < 500 N/mm²: 0.16 mm/rev.

Technical description

External Ø	23 mm
smallest countersink Ø for holes from	3.8 mm
for countersunk screws ISO 2009, 2010, 7046, 7047	M12
Feed f in steel < 500 N/mm ²	0.16 mm/rev.
Pre-drill Ø	3.8 mm

Overall length L	106 mm
Morse taper MT	2
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	90 degrees
Tool material	HSS
Standard	DIN 335 D
Shank	MT 1-4
Through-coolant	no
Colour ring	without
Type of product	Stepped drill and countersink