

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

Order data

Order number	150150 23
GTIN	4045197085566
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.

Technical description

for countersunk screws ISO 2009, 2010, 7046, 7047	M12
smallest countersink Ø for holes from	3.8 mm
Shank tolerance	h9
Feed f in steel < 500 N/mm ²	0.16 mm/rev.
External Ø	23 mm
Shank Ø D _s	10 mm
Overall length L	67 mm
Number of cutting edges Z	3
Coating	uncoated
Countersink tip angle	90 degrees
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		