

**Garant****Countersink set No. 150170 in a case 90°, TiAlN, Number of countersinks: 17**

## Order data

Order number	150315 17
GTIN	4045197365040
Item class	11M

## Description

**Version:**Countersink sets, **in a case.**

Practical set for assembly and workshop use.

**Content:**

1× each countersink: Size 4.3; 5; 6; 6.3; 7; 8; 8.3; 10; 10.4; 11.5; 12.4; 15; 16.5; 19; 20.5; 23; 25

## Technical description

Number of countersinks	17
Number of cutting edges Z	3
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Standard	DIN 335 C
Shank	Plain shank with h9

Colour ring	green
Type of product	Stepped drill and countersink

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu > 10% Si	suitable only under restricted conditions	25 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	34 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	32 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	32 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	9 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	8 m/min	M
CuZn	suitable only under restricted conditions	80 m/min	N
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		

## Accessories

High-precision countersink90° External Ø Dc 15 mm	150170 15
High-precision countersink90° External Ø Dc 8,3 mm	150170 8,3
High-precision countersink90° External Ø Dc 6,3 mm	150170 6,3
High-precision countersink90° External Ø Dc 20,5 mm	150170 20,5
High-precision countersink90° External Ø Dc 10 mm	150170 10
High-precision countersink90° External Ø Dc 6 mm	150170 6
High-precision countersink90° External Ø Dc 8 mm	150170 8
High-precision countersink90° External Ø Dc 16,5 mm	150170 16,5

High-precision countersink90° External Ø Dc 19 mm	150170 19
High-precision countersink90° External Ø Dc 25 mm	150170 25
High-precision countersink90° External Ø Dc 4,3 mm	150170 4,3
High-precision countersink90° External Ø Dc 11,5 mm	150170 11,5
High-precision countersink90° External Ø Dc 10,4 mm	150170 10,4
High-precision countersink90° External Ø Dc 12,4 mm	150170 12,4
High-precision countersink90° External Ø Dc 23 mm	150170 23
High-precision countersink90° External Ø Dc 7 mm	150170 7
High-precision countersink90° External Ø Dc 5 mm	150170 5