

**Garant**

**Countersink set No. 150152 in a case 90°, uncoated, Number of countersinks:  
6**

**Order data**

Order number	150312 6
GTIN	4045197717115
Item class	11M

**Description****Version:**

Countersink sets, **in a case.**

Practical set for assembly and workshop use.

**All countersinks have 3 cutting edges**, radially relieved.

Flutes are ground from solid.

Three **drive flats on the shank** for use in a 3-jaw chuck.

**Application:**

High precision countersinks for chatter-free countersinking.

**Content:**

1× each countersink: Size 6; 8; 10; 11.5; 15; 19

**Technical description**

Number of countersinks	6
Number of cutting edges Z	3
Coating	uncoated

Countersink tip angle	90 degrees
Tool material	HSS
Standard	DIN 335 C
Shank	Shank with h9 and three drive flats
Colour ring	without
Type of product	Stepped drill and countersink

### User data

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

### Accessories

High-precision countersink90° External Ø Dc 11,5 mm	150152 11,5
High-precision countersink90° External Ø Dc 19 mm	150152 19
High-precision countersink90° External Ø Dc 8 mm	150152 8
High-precision countersink90° External Ø Dc 10 mm	150152 10
High-precision countersink90° External Ø Dc 15 mm	150152 15
High-precision countersink90° External Ø Dc 6 mm	150152 6