

**Garant****Countersink set No. 150389 in a case 90°, AlTiCN, Number of countersinks: 7****Order data**

Order number	150391 7
GTIN	4062406073374
Item class	11M

**Description****Version:**

Countersink sets, **in a case.**

Practical set for assembly and workshop use.

**Application:**

High-precision countersinks for chatter-free production of **precise, round 90° countersunk surfaces.**

**Content:**

1 pc. each precision countersink: Size 6; 8; 10; 11.5; 15; 19; 25

**Note:**

Supplied in a case No. 150370 **size 6.**

**Technical description**

Number of cutting edges Z	3
Coating	AlTiCN
Countersink tip angle	90 degrees
Tool material	HSS E

Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Plain shank with h9
Colour ring	blue
Type of product	Stepped drill and countersink

### User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable only under restricted conditions	53 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	40 m/min	N
Alu > 10% Si	suitable only under restricted conditions	35 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	55 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	15 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	12 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	18 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	13 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	13 m/min	S
GG(G)	suitable only under restricted conditions	30 m/min	K
CuZn	suitable only under restricted conditions	42 m/min	N
wet maximum	suitable		
wet minimum	suitable		
dry	suitable only under restricted conditions		

## Accessories

High-precision countersink with unequal spacing90° External Ø Dc 10 mm	150389 10
High-precision countersink with unequal spacing90° External Ø Dc 11,5 mm	150389 11,5
High-precision countersink with unequal spacing90° External Ø Dc 8 mm	150389 8
High-precision countersink with unequal spacing90° External Ø Dc 6 mm	150389 6
High-precision countersink with unequal spacing90° External Ø Dc 15 mm	150389 15
High-precision countersink with unequal spacing90° External Ø Dc 19 mm	150389 19
High-precision countersink with unequal spacing90° External Ø Dc 25 mm	150389 25