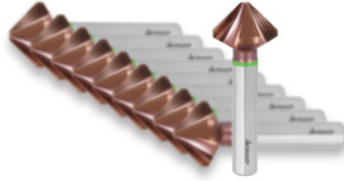


## Garant

**Precision countersink with unequal spacing with 3 drive flats 90°, TiAlN,  
External Ø Dc: 6,3mm**



### Order data

Order number	GG1132 6,3
GTIN	4062406198510
Item class	GGN

### Description

#### Version:

**All countersinks have 3 cutting edges. Special geometry with extremely unequal spacing** and matching cutting edge preparation. Radially relief ground. Flutes ground from solid. Newly developed **special TiAlN coating** for long service life.

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

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

**Same as No. 150132.**

#### Advantage:

Very smooth cutting throughout the entire countersinking operation. Chatter-free running for perfect results and **optimum tool service life.**

#### Application:

High-precision countersinks for production of **exactly round 90° countersunk surfaces.**

### Technical description

Shank tolerance	h9
Overall length L	45 mm
External Ø	6.3 mm
smallest countersink Ø for holes from	1.5 mm
for countersunk screws DIN 7991	M3

Number of cutting edges Z	3
Feed f in steel < 500 N/mm <sup>2</sup>	0.1 mm/rev.
Shank Ø D <sub>s</sub>	5 mm
Contents	10
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS
Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Shank with h9 and three drive flats
Through-coolant	no
Colour ring	green
Type of product	Stepped drill and countersink

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	75 m/min	N
Aluminium (short chipping)	suitable	75 m/min	N
Alu > 10% Si	suitable	50 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	65 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	50 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	18 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	P
Steel < 55 HRC	suitable only under restricted conditions	8 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable	16 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	10 m/min	M

Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	12 m/min	S
GG(G)	suitable	25 m/min	K
CuZn	suitable	60 m/min	N
Graphite, GRP, CRP	suitable only under restricted conditions		
Uni	suitable		
wet maximum	suitable		
dry	suitable only under restricted conditions		

## Accessories

High-precision countersink with unequal spacing and 3 drive flats 90° External Ø Dc 6,3 mm

150132 6,3