

**Garant**

**GARANT Master Steel HT countersink set with 3 drive flats No. 150352 in a case 90°, TiAlN, Number of countersinks: 6**



## Order data

Order number	150356 6
GTIN	4067263125600
Item class	15B

## Description

### Version:

Countersink sets **in a case**. Handy for assembly and workshop use.

### Content:

1 pc. each countersink: Size 6.3; 8.3; 10.4; 12.4; 16.5; 20.5

### Note:

Empty case for 5 countersinks, see No. 150368 5 commodity group 15.

## Technical description

Number of cutting edges Z	3
Number of countersinks	6
Series	Master Steel
Coating	TiAlN
Countersink tip angle	90 degrees
Tool material	HSS E

Spacing of the countersink cutting edges	unequal spacing
Standard	DIN 335 C
Shank	Shank with h9 and three drive flats
Colour ring	red
Type of product	Stepped drill and countersink

## User data

	Suitability	$V_c$	ISO code
Aluminium (short chipping)	suitable only under restricted conditions	72 m/min	N
Alu > 10% Si	suitable only under restricted conditions	58 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	42 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	35 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	31 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	19 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	15 m/min	P
TOOLOX 33	suitable	14 m/min	H
TOOLOX 44	suitable	13 m/min	H
HARDOX 500 < 1600 N/mm <sup>2</sup>	suitable	10 m/min	H
INOX < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	17 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable only under restricted conditions	13 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable only under restricted conditions	10 m/min	S
GG(G)	suitable	29 m/min	K
Oil	suitable only under restricted conditions		
wet maximum	suitable		

dry

suitable only under  
restricted conditions

## Accessories

GARANT Master Steel HT high-precision countersink with  
unequal spacing and 3 drive flats90° External Ø Dc 10,4  
mm

150352 10,4

GARANT Master Steel HT high-precision countersink with  
unequal spacing and 3 drive flats90° External Ø Dc 16,5  
mm

150352 16,5

GARANT Master Steel HT high-precision countersink with  
unequal spacing and 3 drive flats90° External Ø Dc 20,5  
mm

150352 20,5

GARANT Master Steel HT high-precision countersink with  
unequal spacing and 3 drive flats90° External Ø Dc 25 mm

150352 25

GARANT Master Steel HT high-precision countersink with  
unequal spacing and 3 drive flats90° External Ø Dc 6,3 mm

150352 6,3

Empty case for number of countersinks 5

150368 5