

Garant

GARANT Master Steel HT countersink set with 3 drive flats No. 150352 in a case 90°, TiAlN, Number of countersinks: 5



Order data

Order number	150356 5
GTIN	4067263125594
Item class	15B

Description

Version:

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

Content:

1 pc. each countersink: Sizes 6.3; 10.4; 16.5; 20.5; 25

Note:

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

Technical description

Number of countersinks	5
Number of cutting edges Z	3
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 ²	suitable	42 m/min	P
Steel < 750 N/mm ²	suitable	35 m/min	P
Steel < 900 N/mm ²	suitable	31 m/min	P
Steel < 1100 N/mm ²	suitable	19 m/min	P
Steel < 1400 N/mm ²	suitable	15 m/min	P
TOOLOX 33	suitable	14 m/min	H
TOOLOX 44	suitable	13 m/min	H
HARDOX 500 < 1600 N/mm ²	suitable	10 m/min	H
INOX < 900 N/mm ²	suitable only under restricted conditions	17 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	13 m/min	M
Ti > 850 N/mm ²	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