Garant

High-precision countersink set with 3 drive flats No. 150132 in a box 90°, TiAlN, Number of countersinks: 5



Order data

Order number	150303 5
GTIN	4045197912107
Item class	11M

Description

Version:

High-precision countersink No. 150132. All countersinks **also have 3 drive flats** on the shank for use in a 3-jaw chuck.

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 TiAIN coating** for long service life. High-precision countersink, produced with tight manufacturing tolerances similar to DIN 335-C.

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 **precise, round 90° countersunk surfaces.**

Content:

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

Supplied with:

5-piece precision countersink set in a round box.

Technical description

roup 🔥

Data sheet

Number of cutting edges Z	3		
Number of countersinks	5		
Coating	TiAIN		
Countersink tip angle	90 degrees		
Tool material	HSS		
Spacing of the countersink cutting edges	unequal spacing		
Standard	DIN 335 C		
Shank	Three clamping flats to h9		
Colour ring	green		
Type of product	Stepped drill and countersink		

User data

	Suitability	V _c	ISO code
Alu plastics	suitable	75 m/min	Ν
Aluminium (short chipping)	suitable	75 m/min	Ν
Alu > 10% Si	suitable	50 m/min	Ν
Steel < 500 N/mm²	suitable	65 m/min	Р
Steel < 750 N/mm²	suitable	50 m/min	Р
Steel < 900 N/mm²	suitable	30 m/min	Р
Steel < 1100 N/mm²	suitable	18 m/min	Р
Steel < 1400 N/mm ²	suitable	8 m/min	Р
Steel < 55 HRC	suitable only under restricted conditions	8 m/min	н
INOX < 900 N/mm ²	suitable	16 m/min	Μ
INOX > 900 N/mm ²	suitable	10 m/min	Μ
Ti > 850 N/mm²	suitable only under restricted conditions	12 m/min	S
GG(G)	suitable	25 m/min	К
CuZn	suitable	60 m/min	Ν

© Hoffmann GmbH Qualitätswerkzeuge

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 flats90° External Ø Dc 6,3 mm	150132 6,3
High-precision countersink with unequal spacing and 3 drive flats90° External Ø Dc 20,5 mm	150132 20,5
Handle for countersink with 3 drive flats Shank Ø 6 mm	150408 6
High-precision countersink with unequal spacing and 3 drive flats90° External Ø Dc 12,4 mm	150132 12,4
High-precision countersink with unequal spacing and 3 drive flats90° External Ø Dc 16,5 mm	150132 16,5
High-precision countersink with unequal spacing and 3 drive flats90° External Ø Dc 10,4 mm	150132 10,4
Handle for countersink with 3 drive flats Shank Ø 8 mm	150408 8