

Countersink solid carbide 90°, uncoated, External Ø Dc: 16,5mm



Order data

Order number	150386 16,5		
GTIN	4045197086631		
Item class	11M		

Description

Version:

Very sturdy version, multi-flute, special geometry for very heavy duty use. For chatter-free countersinking and deburring. For difficult to machine materials. Solid carbide head with brazed shank.

Suitable even for Hardox 500.

Note:

Ensure stable conditions during operation!

Technical description

External Ø	16.5 mm		
Shank tolerance	h9		
smallest countersink Ø for holes from	4.5 mm		
Pre-drill Ø	4.5 mm		
Feed f in steel < 60 HRC	0.05 mm/rev.		
Shank Ø D _s	10 mm		
Overall length L	60 mm		
Number of cutting edges Z	5		
Coating	uncoated		
Countersink tip angle	90 degrees		
Tool material	Solid carbide		

Standard	Manufacturer's standard		
Туре	Н		
Shank	Plain shank with h9		
Through-coolant	no		
Colour ring	red		
Type of product	Stepped drill and countersink		

User data

	Suitability	V _c	ISO code
Steel < 900 N/mm ²	suitable only under restricted conditions	30 m/min	Р
Steel < 1100 N/mm ²	suitable only under restricted conditions	18 m/min	Р
Steel < 1400 N/mm ²	suitable	8 m/min	Р
Steel < 55 HRC	suitable	8 m/min	Н
Steel < 60 HRC	suitable	8 m/min	Н
TOOLOX 33	suitable	8 m/min	Н
TOOLOX 44	suitable	8 m/min	Н
HARDOX 500 < 1600 N/ mm ²	suitable	6 m/min	н
Ti > 850 N/mm ²	suitable	6 m/min	S
Graphite, GRP, CRP	suitable	5 m/min	N
wet maximum	suitable		
Air	suitable		