

### Countersink solid carbide 90°, uncoated, External Ø Dc: 31mm



### **Order data**

Order number	150386 31		
GTIN	4045197086662		
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**

Shank tolerance	h9		
Feed f in steel < 60 HRC	0.1 mm/rev.		
Pre-drill Ø	6 mm		
smallest countersink Ø for holes from	6 mm		
External Ø	31 mm		
Shank Ø D₅	12 mm		
Overall length L	71 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	<b>V</b> <sub>c</sub>	ISO code
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	30 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	18 m/min	Р
Steel < 1400 N/mm <sup>2</sup>	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 <sup>2</sup>	suitable	6 m/min	н
Ti > 850 N/mm <sup>2</sup>	suitable	6 m/min	S
Graphite, GRP, CRP	suitable	5 m/min	N
wet maximum	suitable		
Air	suitable		