

## High-precision countersink, extra long 90°, uncoated, External Ø Dc: 16,5mm



### **Order data**

Order number	150372 16,5		
GTIN	4045197086198		
Item class	11M		

## **Description**

#### **Version:**

**All countersinks have 3 cutting edges**, radially relief ground. Flutes ground from solid. High-precision countersink, produced to tight manufacturing tolerances similar to DIN 335-C with extra long plain shank.

# **Technical description**

External Ø	16.5 mm		
for countersunk screws DIN 7991	M8		
Shank tolerance	h9		
Feed f in steel < 500 N/mm <sup>2</sup>	0.14 mm/rev.		
Pre-drill Ø	3.2 mm		
smallest countersink Ø for holes from	3.2 mm		
Shank Ø D <sub>s</sub>	10 mm		
Overall length L	161 mm		
Number of cutting edges Z	3		
Coating	uncoated		
Countersink tip angle	90 degrees		
Tool material	HSS		
Standard	Manufacturer's standard		
Shank	Plain shank with h9		

Through-coolant	no		
Colour ring	without		
Type of product	Stepped drill and countersink		

# **User data**

	Suitability	<b>V</b> <sub>c</sub>	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	33 m/min	N
Alu > 10% Si	suitable only under restricted conditions	20 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	28 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	27 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	27 m/min	Р
wet maximum	suitable		
dry	suitable only under restricted conditions		