

## Jobber drill with stepped tip HSS N, uncoated, Ø DC h8: 13mm



### **Order data**

Order number	114004 13
GTIN	4062406877606
Item class	11Q

## **Description**

#### **Version:**

Chamfers are nitrided. Particularly sturdy and robust due to the **strengthened core diameter.** Ground flutes, with high concentricity. Precision ground point. Three **drive flats on the shank** for use in a 3-jaw chuck.

- · Ideal for producing precise holes in sheet metal, pipes, and profiles.
- Reliable spot drilling without centring or centre punching even on curved surfaces thanks to innovative ground point.
- Oblique drilling possible without any problems after the first level of the drill tip has penetrated the material.
- Drilling with significantly less force required than with conventional DIN338 HSS drills up to a diameter of 13 mm directly in the cordless drill/driver.
- · Stable and secure form fit in the 3-jaw chuck.
- General use across a wide spectrum of materials including plastic, wood and acrylic without tearing or splintering.
- The drill does not rattle or dig in even in the case of thin-walled materials.
- · Burr-free drill exit.
- · Ideal for drilling out bolts and rivets.

#### **Recommendation:**

## Maximum drilling depth:

$$L_2 = L_C - 1.5 \times D_C$$
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## **Technical description**

Feed f in steel < 750 N/mm <sup>2</sup>	0.2 mm/rev.
Overall length L	151 mm
Tolerance nominal Ø	h8

Point angle	118 degrees	
Standard	DIN 338	
Flute length L <sub>c</sub>	101 mm	
Shank Ø D <sub>s</sub>	13 mm	
Nominal Ø D <sub>c</sub>	13 mm	
Number of cutting edges Z	2	
recommended maximum drilling depth $L_2$	81.5 mm	
Shank	Three drive flats shank	
Coating	uncoated	
Tool material	HSS	
Туре	N	
Through-coolant	no	
Colour ring	without	
Type of product	Jobber drill	

# **User data**

	Suitability	<b>V</b> <sub>c</sub>	ISO code
Alu plastics	suitable only under restricted conditions	70 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	70 m/min	N
Alu > 10% Si	suitable only under restricted conditions	50 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	30 m/min	Р
Steel < 750 N/mm <sup>2</sup>	suitable	27 m/min	Р
Steel < 900 N/mm <sup>2</sup>	suitable	22 m/min	Р
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	10 m/min	Р
GG(G)	suitable	25 m/min	K

CuZn	suitable only under restricted conditions	
Oil	suitable	
wet maximum	suitable	