

## Garant

**Jobber drill with stepped tip HSS-E Stainless steel, uncoated, Ø DC h8: 3,3mm**



### Order data

Order number	114008 3,3
GTIN	4062406866792
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.**

With special cutter geometry also for use in stainless steels.

#### Recommendation:

#### Maximum drilling depth:

$$L_2 = L_C - 1.5 \times D_C$$

#### Note:

Drills with plain shank, **without drive flat**.

### Technical description

Point angle	118 degrees
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Flute length $L_c$	36 mm
Feed $f$ in steel $< 750 \text{ N/mm}^2$	0.06 mm/rev.
Overall length $L$	65 mm
Nominal $\varnothing D_c$	3.3 mm
Tolerance nominal $\varnothing$	h8
Standard	DIN 338
Number of cutting edges $Z$	2
Shank $\varnothing D_s$	3.3 mm
recommended maximum drilling depth $L_2$	31 mm
Shank	Plain shank
Coating	uncoated
Tool material	HSS E
Type	INOX
Through-coolant	no
Colour ring	blue
Type of product	Jobber drill

## User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable only under restricted conditions		
Aluminium (short chipping)	suitable only under restricted conditions		
Alu $> 10\% \text{ Si}$	suitable only under restricted conditions		
Steel $< 500 \text{ N/mm}^2$	suitable		
Steel $< 750 \text{ N/mm}^2$	suitable		
Steel $< 900 \text{ N/mm}^2$	suitable		
Steel $< 1100 \text{ N/mm}^2$	suitable only under restricted conditions		

INOX < 900 N/mm <sup>2</sup>	suitable		
INOX > 900 N/mm <sup>2</sup>	suitable		
GG(G)	suitable	30 m/min	K
CuZn	suitable		
Oil	suitable		
wet maximum	suitable		