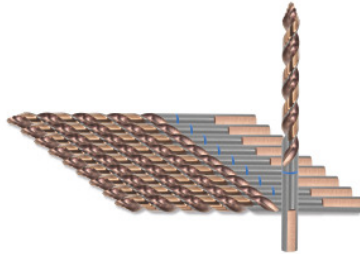


## Garant

### Jobber drill with stepped tip HSS-E INOX, uncoated, Ø DC h8: 3mm



## Order data

Order number	GG4009 3
GTIN	4067263133773
Item class	GGN

## Description

### Version:

#### Same as No. 114008.

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

Nominal $\varnothing D_c$	3 mm
Shank $\varnothing D_s$	3 mm
Standard	DIN 338
Flute length $L_c$	33 mm
Point angle	118 degrees
Feed $f$ in steel $< 750 \text{ N/mm}^2$	0.06 mm/rev.
Shank	Plain shank
Number of cutting edges $Z$	2
recommended maximum drilling depth $L_2$	28.5 mm
Tolerance nominal $\varnothing$	h8
Overall length $L$	61 mm
Coating	uncoated
Tool material	HSS E
Type	INOX
Through-coolant	no
Colour ring	blue
Type of product	Twist Drill

## User data

	Suitability	$V_c$	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 $> 10\% \text{ Si}$	suitable only under restricted conditions	50 m/min	N
Steel $< 500 \text{ N/mm}^2$	suitable	35 m/min	P

Steel < 750 N/mm <sup>2</sup>	suitable	32 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	25 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable only under restricted conditions	15 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	14 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	12 m/min	M
GG(G)	suitable	30 m/min	K
CuZn	suitable	50 m/min	N
Oil	suitable		
wet maximum	suitable		

## Accessories

Jobber drill with stepped tip HSS-EStainless steel Ø DC h8  
3 mm

114008 3