



## HSS jobber drill N, uncoated, Ø DC h8: 33mm



### Order data

Order number	116320 33
GTIN	4045197029881
Item class	12C

### Description

#### Version:

Special surface treatment, resulting in reduced tendency to edge build-up **and improved chip evacuation.**

#### Recommendation:

#### Maximum drilling depth:

$$L_2 = L_c - 1.5 \times D_c.$$

#### Note:

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530.**

### Technical description

Nominal Ø D <sub>c</sub>	33 mm
Feed f in steel < 750 N/mm <sup>2</sup>	0.25 mm/rev.
Number of cutting edges Z	2
Flute length L <sub>c</sub>	185 mm
Tolerance nominal Ø	h8
Overall length L	334 mm
Morse taper MT size	4
Standard	DIN 345
recommended maximum drilling depth L <sub>2</sub>	135.5 mm
Point angle	118 degrees
Shank	Morse taper

Coating	uncoated
Tool material	HSS
Type	N
Helix angle	20-30 degrees
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

### User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 500 N/mm <sup>2</sup>	suitable	40 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	25 m/min	P
GG(G)	suitable only under restricted conditions	25 m/min	K
Oil	suitable		
wet maximum	suitable		