

Garant
HSS jobber drill N, uncoated, Ø DC h8: 4,5 mm or inch

Order data

Order number	114150 4,5
GTIN	4045197012906
Item class	11B

Description
Version:

Profile ground: Jobber drill with high pitch accuracy and concentricity as well as precision ground point.

Steam tempered from Ø 2.4 mm.

With point geometry shape C from size 4 mm

Note:

Size 16 - 20: Drills with shank Ø 16 mm.

Through-coolant: no

Standard: DIN 338

Tolerance nominal Ø: h8

Point angle: 118 degrees

Number of cutting edges Z: 2

recommended maximum drilling depth L_2 : 40.3 mm

Flute length L_c : 47 mm

Overall length L: 80 mm

Shank Ø D_s : 4.5 mm

Feed f in steel < 750 N/mm²: 0.05 mm/rev.

Technical description

Flute length L_c	47 mm
Nominal Ø D_c	4.5 mm
Feed f in steel < 750 N/mm ²	0.05 mm/rev.
Number of cutting edges Z	2
Tolerance nominal Ø	h8

Shank $\varnothing D_s$	4.5 mm
Overall length L	80 mm
Standard	DIN 338
recommended maximum drilling depth L_2	40.3 mm
Point angle	118 degrees
Coating	uncoated
Tool material	HSS
Type	N
Shank	Plain shank
Through-coolant	no
Colour ring	without
Type of product	Jobber drill

Accessories

Jobber drill set HSS No. 114150 in a case Type 1-13	115120 1-13
Jobber drill set HSS No. 114150 in a case Type 1-10C	115120 1-10C
Jobber drill set HSS No. 114150 in a case Type 1-13KB	115120 1-13KB
Jobber drill set HSS No. 114150 in a case Type 1-6	115120 1-6
Jobber drill set HSS No. 114150 in a case Type 1-10	115120 1-10
Jobber drill set HSS No. 114150 as refill set Type 1-6	115140 1-6