

Garant**Jobber drill set HSS No. 114200 in a case, uncoated, Type: 1-13****Order data**

Order number	115160 1-13
GTIN	4045197024619
Item class	11B

Description**Version:**

Composed of jobber drills DIN 338.
Standard core without core taper.
Precision ground point.
Ground high-capacity flute with high helix.
Bright ground surface finish.
With point geometry shape A from size 2.0 mm.

Technical description

Incremental steps of drills	0.5 mm
Drill range	1 - 13 mm
Number of drills	25
Shank	Plain shank
Number of cutting edges Z	2
Coating	uncoated

Tool material	HSS
Standard	DIN 338
Type	W
Tolerance nominal \varnothing	h8
Point angle	130 degrees
Helix angle	35-40 degrees
Through-coolant	no
with case	yes
Colour ring	yellow
Type of product	Jobber drill

User data

	Suitability	V_c	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Alu > 10% Si	suitable only under restricted conditions	40 m/min	N
Oil	suitable		
wet maximum	suitable		

Accessories

HSS jobber drillW \varnothing DC h8 12,5 mm	114200 12,5
HSS jobber drillW \varnothing DC h8 6,5 mm	114200 6,5
HSS jobber drillW \varnothing DC h8 13 mm	114200 13
HSS jobber drillW \varnothing DC h8 4 mm	114200 4
HSS jobber drillW \varnothing DC h8 2,5 mm	114200 2,5
HSS jobber drillW \varnothing DC h8 8,5 mm	114200 8,5
HSS jobber drillW \varnothing DC h8 8 mm	114200 8

HSS jobber drillW Ø DC h8 11 mm	114200 11
HSS jobber drillW Ø DC h8 5,5 mm	114200 5,5
HSS jobber drillW Ø DC h8 3,5 mm	114200 3,5
HSS jobber drillW Ø DC h8 12 mm	114200 12
HSS jobber drillW Ø DC h8 6 mm	114200 6
HSS jobber drillW Ø DC h8 11,5 mm	114200 11,5
HSS jobber drillW Ø DC h8 1,5 mm	114200 1,5
HSS jobber drillW Ø DC h8 2 mm	114200 2
HSS jobber drillW Ø DC h8 1 mm	114200 1
HSS jobber drillW Ø DC h8 9 mm	114200 9
HSS jobber drillW Ø DC h8 9,5 mm	114200 9,5
HSS jobber drillW Ø DC h8 10 mm	114200 10
HSS jobber drillW Ø DC h8 10,5 mm	114200 10,5
HSS jobber drillW Ø DC h8 3 mm	114200 3
HSS jobber drillW Ø DC h8 5 mm	114200 5
HSS jobber drillW Ø DC h8 4,5 mm	114200 4,5
HSS jobber drillW Ø DC h8 7,5 mm	114200 7,5
HSS jobber drillW Ø DC h8 7 mm	114200 7