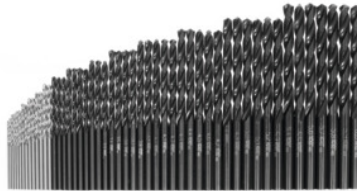


Garant**Jobber drill set HSS No. 114150 as refill set, uncoated, Type: 1-6****Order data**

Order number	115140 1-6
GTIN	4045197024428
Item class	11B

Description**Version:**

Composed of jobber drills DIN 338.

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

Steam tempered from \varnothing 2.4 mm.

With point geometry shape C from size 4 mm

Technical description

Incremental steps of drills	0.1 mm
Drill range	1 - 6 mm
Number of drills	51
Shank	Plain shank
Number of cutting edges Z	2
Coating	uncoated
Tool material	HSS
Standard	DIN 338
Type	N
Tolerance nominal \varnothing	h8

Point angle	118 degrees
Through-coolant	no
with case	no
Colour ring	without
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions	80 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	45 m/min	N
Alu > 10% Si	suitable only under restricted conditions	50 m/min	N
Steel < 500 N/mm ²	suitable	40 m/min	P
Steel < 750 N/mm ²	suitable	35 m/min	P
Steel < 900 N/mm ²	suitable	25 m/min	P
Steel < 1100 N/mm ²	suitable only under restricted conditions	10 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	8 m/min	P
GG(G)	suitable	25 m/min	K
CuZn	suitable	80 m/min	N
Oil	suitable		
wet maximum	suitable		

Accessories

HSS jobber drill N Ø DC h8 (mm or inch) 1,2	114150 1,2
HSS jobber drill N Ø DC h8 (mm or inch) 5,6	114150 5,6
HSS jobber drill N Ø DC h8 (mm or inch) 1,8	114150 1,8

HSS jobber drillN Ø DC h8 (mm or inch) 4,4	114150 4,4
HSS jobber drillN Ø DC h8 (mm or inch) 2,1	114150 2,1
HSS jobber drillN Ø DC h8 (mm or inch) 5	114150 5
HSS jobber drillN Ø DC h8 (mm or inch) 5,5	114150 5,5
HSS jobber drillN Ø DC h8 (mm or inch) 5,7	114150 5,7
HSS jobber drillN Ø DC h8 (mm or inch) 4,1	114150 4,1
HSS jobber drillN Ø DC h8 (mm or inch) 1,3	114150 1,3
HSS jobber drillN Ø DC h8 (mm or inch) 1,4	114150 1,4
HSS jobber drillN Ø DC h8 (mm or inch) 5,8	114150 5,8
HSS jobber drillN Ø DC h8 (mm or inch) 3,4	114150 3,4
HSS jobber drillN Ø DC h8 (mm or inch) 5,4	114150 5,4
HSS jobber drillN Ø DC h8 (mm or inch) 2,6	114150 2,6
HSS jobber drillN Ø DC h8 (mm or inch) 1,7	114150 1,7
HSS jobber drillN Ø DC h8 (mm or inch) 4,6	114150 4,6
HSS jobber drillN Ø DC h8 (mm or inch) 3	114150 3
HSS jobber drillN Ø DC h8 (mm or inch) 2,7	114150 2,7
HSS jobber drillN Ø DC h8 (mm or inch) 2,9	114150 2,9
HSS jobber drillN Ø DC h8 (mm or inch) 5,1	114150 5,1
HSS jobber drillN Ø DC h8 (mm or inch) 4,7	114150 4,7
HSS jobber drillN Ø DC h8 (mm or inch) 3,5	114150 3,5
HSS jobber drillN Ø DC h8 (mm or inch) 3,9	114150 3,9
HSS jobber drillN Ø DC h8 (mm or inch) 6	114150 6
HSS jobber drillN Ø DC h8 (mm or inch) 3,3	114150 3,3
HSS jobber drillN Ø DC h8 (mm or inch) 4,3	114150 4,3
HSS jobber drillN Ø DC h8 (mm or inch) 2,8	114150 2,8
HSS jobber drillN Ø DC h8 (mm or inch) 3,1	114150 3,1
HSS jobber drillN Ø DC h8 (mm or inch) 3,8	114150 3,8
HSS jobber drillN Ø DC h8 (mm or inch) 2,2	114150 2,2
HSS jobber drillN Ø DC h8 (mm or inch) 4,2	114150 4,2

HSS jobber drillN Ø DC h8 (mm or inch) 1,5	114150 1,5
HSS jobber drillN Ø DC h8 (mm or inch) 1,6	114150 1,6
HSS jobber drillN Ø DC h8 (mm or inch) 3,7	114150 3,7
HSS jobber drillN Ø DC h8 (mm or inch) 2,5	114150 2,5
HSS jobber drillN Ø DC h8 (mm or inch) 5,3	114150 5,3
HSS jobber drillN Ø DC h8 (mm or inch) 5,2	114150 5,2
HSS jobber drillN Ø DC h8 (mm or inch) 5,9	114150 5,9
HSS jobber drillN Ø DC h8 (mm or inch) 3,6	114150 3,6
HSS jobber drillN Ø DC h8 (mm or inch) 3,2	114150 3,2
HSS jobber drillN Ø DC h8 (mm or inch) 2	114150 2
HSS jobber drillN Ø DC h8 (mm or inch) 2,4	114150 2,4
HSS jobber drillN Ø DC h8 (mm or inch) 2,3	114150 2,3
HSS jobber drillN Ø DC h8 (mm or inch) 4,9	114150 4,9
HSS jobber drillN Ø DC h8 (mm or inch) 4,5	114150 4,5
HSS jobber drillN Ø DC h8 (mm or inch) 4	114150 4
HSS jobber drillN Ø DC h8 (mm or inch) 1,9	114150 1,9
HSS jobber drillN Ø DC h8 (mm or inch) 4,8	114150 4,8
HSS jobber drillN Ø DC h8 (mm or inch) 1,1	114150 1,1
HSS jobber drillN Ø DC h8 (mm or inch) 1	114150 1