

Jobber drill set HSS No. 114150 in a case, uncoated, Type: 1-13**Order data**

Order number	115120 1-13
GTIN	4045197024398
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.

Note:

Size 16 – 20: Drills with shank \varnothing 16 mm.

Technical description

Number of drills	25
Drill range	1 - 13 mm
Incremental steps of drills	0.5 mm
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	yes
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	30 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
Uni	suitable		
Oil	suitable		

Accessories

HSS jobber drillIN Ø DC h8 (mm or inch) 8	114150 8
HSS jobber drillIN Ø DC h8 (mm or inch) 1	114150 1
HSS jobber drillIN Ø DC h8 (mm or inch) 9,5	114150 9,5
HSS jobber drillIN Ø DC h8 (mm or inch) 8,5	114150 8,5
HSS jobber drillIN Ø DC h8 (mm or inch) 4,5	114150 4,5
HSS jobber drillIN Ø DC h8 (mm or inch) 12	114150 12
HSS jobber drillIN Ø DC h8 (mm or inch) 6,5	114150 6,5
HSS jobber drillIN Ø DC h8 (mm or inch) 13	114150 13
HSS jobber drillIN Ø DC h8 (mm or inch) 2,5	114150 2,5
HSS jobber drillIN Ø DC h8 (mm or inch) 11,5	114150 11,5
HSS jobber drillIN Ø DC h8 (mm or inch) 7	114150 7
HSS jobber drillIN Ø DC h8 (mm or inch) 6	114150 6
HSS jobber drillIN Ø DC h8 (mm or inch) 5	114150 5
HSS jobber drillIN Ø DC h8 (mm or inch) 11	114150 11
HSS jobber drillIN Ø DC h8 (mm or inch) 3,5	114150 3,5
HSS jobber drillIN Ø DC h8 (mm or inch) 5,5	114150 5,5
HSS jobber drillIN Ø DC h8 (mm or inch) 4	114150 4
HSS jobber drillIN Ø DC h8 (mm or inch) 3	114150 3
HSS jobber drillIN Ø DC h8 (mm or inch) 7,5	114150 7,5
HSS jobber drillIN Ø DC h8 (mm or inch) 10,5	114150 10,5
HSS jobber drillIN Ø DC h8 (mm or inch) 9	114150 9
HSS jobber drillIN Ø DC h8 (mm or inch) 1,5	114150 1,5
HSS jobber drillIN Ø DC h8 (mm or inch) 10	114150 10
HSS jobber drillIN Ø DC h8 (mm or inch) 2	114150 2
HSS jobber drillIN Ø DC h8 (mm or inch) 12,5	114150 12,5
Empty case for jobber drills to DIN 338 Type 1-13	115470 1-13