

**Jobber drill set HSS No. 114020 in a case, uncoated, Type: 1-13****Order data**

Order number	115030 1-13
GTIN	4045197024176
Item class	12B

Description**Version:**

Composed of jobber drills DIN 338.

Roll forged, standard helix angle, core thickness, and core taper.

Robust jobber drill with strengthened core and small chisel point for easy spot drilling and accurate centring of the designated hole. **Precision roll forged flutes.**

Technical description

Incremental steps of drills	0.5 mm
Number of drills	25
Drill range	1 - 13 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
Aluminium (short chipping)	suitable only under restricted conditions	45 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
GG(G)	suitable only under restricted conditions	25 m/min	K
Uni	suitable only under restricted conditions		
Oil	suitable		
wet maximum	suitable		

Accessories

HSS jobber drill Precision roll forged N \varnothing DC h8 5,5 mm	114020 5,5
HSS jobber drill Precision roll forged N \varnothing DC h8 4,5 mm	114020 4,5
HSS jobber drill Precision roll forged N \varnothing DC h8 7 mm	114020 7
HSS jobber drill Precision roll forged N \varnothing DC h8 7,5 mm	114020 7,5
HSS jobber drill Precision roll forged N \varnothing DC h8 11 mm	114020 11

HSS jobber drillPrecision roll forged N Ø DC h8 10,5 mm	114020 10,5
HSS jobber drillPrecision roll forged N Ø DC h8 1,5 mm	114020 1,5
HSS jobber drillPrecision roll forged N Ø DC h8 6 mm	114020 6
HSS jobber drillPrecision roll forged N Ø DC h8 9 mm	114020 9
HSS jobber drillPrecision roll forged N Ø DC h8 8 mm	114020 8
HSS jobber drillPrecision roll forged N Ø DC h8 11,5 mm	114020 11,5
HSS jobber drillPrecision roll forged N Ø DC h8 12,5 mm	114020 12,5
HSS jobber drillPrecision roll forged N Ø DC h8 12 mm	114020 12
HSS jobber drillPrecision roll forged N Ø DC h8 8,5 mm	114020 8,5
HSS jobber drillPrecision roll forged N Ø DC h8 3,5 mm	114020 3,5
HSS jobber drillPrecision roll forged N Ø DC h8 13 mm	114020 13
HSS jobber drillPrecision roll forged N Ø DC h8 5 mm	114020 5
HSS jobber drillPrecision roll forged N Ø DC h8 9,5 mm	114020 9,5
HSS jobber drillPrecision roll forged N Ø DC h8 3 mm	114020 3
HSS jobber drillPrecision roll forged N Ø DC h8 2,5 mm	114020 2,5
HSS jobber drillPrecision roll forged N Ø DC h8 10 mm	114020 10
HSS jobber drillPrecision roll forged N Ø DC h8 2 mm	114020 2
HSS jobber drillPrecision roll forged N Ø DC h8 6,5 mm	114020 6,5
HSS jobber drillPrecision roll forged N Ø DC h8 1 mm	114020 1
HSS jobber drillPrecision roll forged N Ø DC h8 4 mm	114020 4