

**Jobber drill set HSS No. 114020 as refill set, uncoated, Type: 1-13****Order data**

Order number	115032 1-13
GTIN	4045197024190
Item class	12B

**Description****Version:**

Composed of jobber drills DIN 338.

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

Dimensions to DIN 338.

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	no
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 <sup>2</sup>	suitable	40 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	30 m/min	P
Steel < 900 N/mm <sup>2</sup>	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 4 mm	114020 4
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 11,5 mm	114020 11,5
HSS jobber drill Precision roll forged N $\varnothing$ DC h8 10,5 mm	114020 10,5

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