

**Garant**
**HSS-Co8 jobber drill set No. 114550 as a refill set, TiAlN, Type: 1-13**

**Order data**

Order number	115375 1-13
GTIN	4062406089931
Item class	11B

**Description**
**Version:**

Composed of jobber drills DIN 338.

**Extremely high heat resistance, very robust** due to **strong core**.

With point geometry shape C.

Through-coolant: no

Shank: Plain shank

Number of cutting edges Z: 2

Drill range: 1 - 13 mm

Number of drills: 25

Incremental steps of drills: 0.5 mm

**Technical description**

Number of drills	25
Incremental steps of drills	0.5 mm
Shank	Plain shank
Drill range	1 - 13 mm
Number of cutting edges Z	2
Coating	TiAlN
Tool material	HSS Co 8
Standard	DIN 338
Tolerance nominal $\varnothing$	h8
Point angle	135 °

Helix angle	35 °
Through-coolant	no
Colour ring	blue
Type of product	Jobber drill

## User data

	Suitability	V <sub>c</sub>	ISO code
Steel < 750 N/mm <sup>2</sup>	suitable only under restricted conditions	37 m/min	P
Steel < 900 N/mm <sup>2</sup>	suitable	31 m/min	P
Steel < 1100 N/mm <sup>2</sup>	suitable	12 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	10 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	20 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	15 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	6 m/min	S
Oil	suitable		
wet maximum	suitable		

## Accessories

HSS-Co8 jobber drill Ø DC h8 13 mm	114550 13
HSS-Co8 jobber drill Ø DC h8 6,5 mm	114550 6,5
HSS-Co8 jobber drill Ø DC h8 12 mm	114550 12
HSS-Co8 jobber drill Ø DC h8 2,5 mm	114550 2,5
HSS-Co8 jobber drill Ø DC h8 2 mm	114550 2
HSS-Co8 jobber drill Ø DC h8 7,5 mm	114550 7,5
HSS-Co8 jobber drill Ø DC h8 10 mm	114550 10
HSS-Co8 jobber drill Ø DC h8 3 mm	114550 3
HSS-Co8 jobber drill Ø DC h8 1 mm	114550 1

HSS-Co8 jobber drill Ø DC h8 9 mm	114550 9
HSS-Co8 jobber drill Ø DC h8 8,5 mm	114550 8,5
HSS-Co8 jobber drill Ø DC h8 11 mm	114550 11
HSS-Co8 jobber drill Ø DC h8 5,5 mm	114550 5,5
HSS-Co8 jobber drill Ø DC h8 3,5 mm	114550 3,5
HSS-Co8 jobber drill Ø DC h8 4 mm	114550 4
HSS-Co8 jobber drill Ø DC h8 10,5 mm	114550 10,5
HSS-Co8 jobber drill Ø DC h8 7 mm	114550 7
HSS-Co8 jobber drill Ø DC h8 4,5 mm	114550 4,5
HSS-Co8 jobber drill Ø DC h8 8 mm	114550 8
HSS-Co8 jobber drill Ø DC h8 5 mm	114550 5
HSS-Co8 jobber drill Ø DC h8 9,5 mm	114550 9,5
HSS-Co8 jobber drill Ø DC h8 11,5 mm	114550 11,5
HSS-Co8 jobber drill Ø DC h8 12,5 mm	114550 12,5
HSS-Co8 jobber drill Ø DC h8 6 mm	114550 6
HSS-Co8 jobber drill Ø DC h8 1,5 mm	114550 1,5