

Garant**Jobber drill set HSS-E No. 114580 in a case, TiAlN, Type: 6-10****Order data**

Order number	115450 6-10
GTIN	4045197875556
Item class	11B

Description**Version:**

Composed of jobber drills DIN 338.

High performance drills for outstanding performance. Precision holes due to optimised diamond point geometry and 4-face grinding. The special flute profile yields a significant reduction in cutting forces.

Technical description

Shank	Plain shank
Drill range	6 - 10 mm
Incremental steps of drills	0.1 mm
Number of drills	41
Number of cutting edges Z	2
Coating	TiAlN
Tool material	HSS E
Standard	DIN 338
Tolerance nominal \varnothing	h8
Point angle	118 degrees
Helix angle	35 degrees
Through-coolant	no
with case	yes

Colour ring	green
Type of product	Jobber drill

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions	75 m/min	N
Aluminium (short chipping)	suitable only under restricted conditions	65 m/min	N
Alu > 10% Si	suitable only under restricted conditions	60 m/min	N
Steel < 500 N/mm ²	suitable	50 m/min	P
Steel < 750 N/mm ²	suitable	40 m/min	P
Steel < 900 N/mm ²	suitable	35 m/min	P
Steel < 1100 N/mm ²	suitable	16 m/min	P
INOX < 900 N/mm ²	suitable	17 m/min	M
INOX > 900 N/mm ²	suitable only under restricted conditions	13 m/min	M
Ti > 850 N/mm ²	suitable only under restricted conditions	8 m/min	S
GG(G)	suitable	40 m/min	K
CuZn	suitable	50 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		

Accessories

HSS-E jobber drill Ø DC h8 8 mm	114580 8
HSS-E jobber drill Ø DC h8 10 mm	114580 10
HSS-E jobber drill Ø DC h8 9 mm	114580 9

Data sheet

HSS-E jobber drill Ø DC h8 6,5 mm	114580 6,5
HSS-E jobber drill Ø DC h8 8,8 mm	114580 8,8
HSS-E jobber drill Ø DC h8 6,1 mm	114580 6,1
HSS-E jobber drill Ø DC h8 8,9 mm	114580 8,9
HSS-E jobber drill Ø DC h8 8,2 mm	114580 8,2
HSS-E jobber drill Ø DC h8 7,2 mm	114580 7,2
HSS-E jobber drill Ø DC h8 8,3 mm	114580 8,3
HSS-E jobber drill Ø DC h8 8,5 mm	114580 8,5
HSS-E jobber drill Ø DC h8 6,7 mm	114580 6,7
HSS-E jobber drill Ø DC h8 9,7 mm	114580 9,7
HSS-E jobber drill Ø DC h8 6,8 mm	114580 6,8
HSS-E jobber drill Ø DC h8 7,3 mm	114580 7,3
HSS-E jobber drill Ø DC h8 7,6 mm	114580 7,6
HSS-E jobber drill Ø DC h8 6,6 mm	114580 6,6
HSS-E jobber drill Ø DC h8 6,2 mm	114580 6,2
HSS-E jobber drill Ø DC h8 9,2 mm	114580 9,2
HSS-E jobber drill Ø DC h8 9,6 mm	114580 9,6
HSS-E jobber drill Ø DC h8 8,4 mm	114580 8,4
HSS-E jobber drill Ø DC h8 9,4 mm	114580 9,4
HSS-E jobber drill Ø DC h8 9,5 mm	114580 9,5
HSS-E jobber drill Ø DC h8 6,3 mm	114580 6,3
HSS-E jobber drill Ø DC h8 8,7 mm	114580 8,7
HSS-E jobber drill Ø DC h8 8,1 mm	114580 8,1
HSS-E jobber drill Ø DC h8 8,6 mm	114580 8,6
HSS-E jobber drill Ø DC h8 9,3 mm	114580 9,3
HSS-E jobber drill Ø DC h8 6,4 mm	114580 6,4
HSS-E jobber drill Ø DC h8 7,8 mm	114580 7,8
HSS-E jobber drill Ø DC h8 9,9 mm	114580 9,9
HSS-E jobber drill Ø DC h8 9,1 mm	114580 9,1

Data sheet

HSS-E jobber drill Ø DC h8 7,4 mm	114580 7,4
HSS-E jobber drill Ø DC h8 7,5 mm	114580 7,5
HSS-E jobber drill Ø DC h8 7,1 mm	114580 7,1
HSS-E jobber drill Ø DC h8 7,9 mm	114580 7,9
HSS-E jobber drill Ø DC h8 7 mm	114580 7
HSS-E jobber drill Ø DC h8 6,9 mm	114580 6,9
HSS-E jobber drill Ø DC h8 7,7 mm	114580 7,7
HSS-E jobber drill Ø DC h8 9,8 mm	114580 9,8
Empty case for jobber drills to DIN 338 Type 6-10	115470 6-10