

**Garant****Centre drill set HSS-E No. 111100 in a case, TiAlN, Number of drills: 10****Order data**

Order number	111060 10
GTIN	4067263118657
Item class	11A

**Description****Version:**

Composed of centre drills DIN 333.

**Content:**

Centre drill No. 111100, 1 pc. each in size 0.75; 1; 1.5; 1.6; 2; 2.5; 3; 3.15; 4; 5.

**Technical description**

Number of drills	10
Coating	TiAlN
Tool material	HSS E
Standard	DIN 333
Type	A
Tolerance nominal $\varnothing$	k12
Countersink angle	60 degrees
Shank	Parallel shank to h7

Colour ring	without
Type of product	convex

## User data

	Suitability	V <sub>c</sub>	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	45 m/min	N
Alu > 10% Si	suitable only under restricted conditions	40 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
Steel < 1100 N/mm <sup>2</sup>	suitable	10 m/min	P
Steel < 1400 N/mm <sup>2</sup>	suitable	8 m/min	P
INOX < 900 N/mm <sup>2</sup>	suitable	12 m/min	M
INOX > 900 N/mm <sup>2</sup>	suitable	8 m/min	M
Ti > 850 N/mm <sup>2</sup>	suitable	5 m/min	S
GG(G)	suitable	25 m/min	K
CuZn	suitable	80 m/min	N
Oil	suitable		
wet maximum	suitable		

## Accessories

Centre drill HSS-EA Nominal Ø DC k12 0,75 mm	111100 0,75
Centre drill HSS-EA Nominal Ø DC k12 1 mm	111100 1
Centre drill HSS-EA Nominal Ø DC k12 1,5 mm	111100 1,5
Centre drill HSS-EA Nominal Ø DC k12 1,6 mm	111100 1,6
Centre drill HSS-EA Nominal Ø DC k12 2 mm	111100 2

Centre drill HSS-EA Nominal Ø DC k12 2,5 mm	111100 2,5
Centre drill HSS-EA Nominal Ø DC k12 3 mm	111100 3
Centre drill HSS-EA Nominal Ø DC k12 3,15 mm	111100 3,15
Centre drill HSS-EA Nominal Ø DC k12 4 mm	111100 4
Centre drill HSS-EA Nominal Ø DC k12 5 mm	111100 5