

**Garant**
**Centre drill HSS-E A, uncoated, Nominal  $\varnothing$  DC k12: 1,6mm**

**Order data**

Order number	111050 1,6
GTIN	4045197796172
Item class	11A

**Description**
**Version:**

Ground from solid and relief ground, spiral fluted.

Nominal  $\varnothing$  D<sub>c</sub>: 1.6 mm

for workpiece  $\varnothing$ : 10 – 15 mm

Shank  $\varnothing$  D<sub>s</sub>: 4 mm

Overall length L: 35.5 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.02 mm/rev.

**Technical description**

Number of cutting edges Z	2
for workpiece $\varnothing$	10 – 15 mm
Overall length L	35.5 mm
Nominal $\varnothing$ D <sub>c</sub>	1.6 mm
Shank tolerance	h7
Feed f in steel < 900 N/mm <sup>2</sup>	0.02 mm/rev.
Shank $\varnothing$ D <sub>s</sub>	4 mm
Coating	uncoated
Tool material	HSS E
Standard	DIN 333
Type	A

Tolerance nominal $\varnothing$	k12
Countersink angle	60°
Cutting direction	right-hand
Shank	Parallel shank to h7
Through-coolant	no
Colour ring	without
Type of product	Centre drill

### User data

	Suitability	$V_c$	ISO code
Alu plastics	suitable	70 m/min	N
Aluminium (short chipping)	suitable	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
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
GG(G)	suitable only under restricted conditions	25 m/min	K
CuZn	suitable	80 m/min	N
Oil	suitable		
wet maximum	suitable		