

**Garant**
**Centre drill HSS-E A, uncoated, Nominal  $\varnothing$  DC k12: 3 mm**

**Order data**

Order number	111050 3
GTIN	4045197000279
Item class	11A

**Description**
**Version:**

Ground from solid and relief ground, spiral fluted.

Nominal  $\varnothing$  D<sub>c</sub>: 3 mm

for workpiece  $\varnothing$ : 20 – 40 mm

Shank  $\varnothing$  D<sub>s</sub>: 8 mm

Overall length L: 50 mm

Feed f in steel < 900 N/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

Feed f in steel < 900 N/mm <sup>2</sup>	0.03 mm/rev.
for workpiece $\varnothing$	20 – 40 mm
Shank tolerance	h7
Number of cutting edges Z	2
Nominal $\varnothing$ D <sub>c</sub>	3 mm
Shank $\varnothing$ D <sub>s</sub>	8 mm
Overall length L	50 mm
Coating	uncoated
Tool material	HSS E
Standard	DIN 333
Type	A

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

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## Accessories

Centre drill set HSS-E No. 111050 in a case Type 10	111055 10
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