

**Garant**
**HSS-E-PM centre drill A, TiAlN, Nominal  $\varnothing$  DC k12: 2 mm**

**Order data**

Order number	111105 2
GTIN	4045197797193
Item class	11A

**Description**
**Version:**

Ground from solid and relief ground, spiral fluted.

Nominal  $\varnothing$   $D_c$ : 2 mm

for workpiece  $\varnothing$ : 15 – 20 mm

Shank  $\varnothing$   $D_s$ : 5 mm

Overall length L: 40 mm

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

**Technical description**

Shank $\varnothing$ $D_s$	5 mm
Shank tolerance	h7
Number of cutting edges Z	2
Overall length L	40 mm
for workpiece $\varnothing$	15 – 20 mm
Feed f in steel < 900 N/mm <sup>2</sup>	0.02 mm/rev.
Nominal $\varnothing$ $D_c$	2 mm
Coating	TiAlN
Tool material	HSS E PM
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-PM No. 111105 in a case Type 7	111155 7
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