

**Garant**
**Centre drill HSS-E A with flat, TiAlN, Nominal  $\varnothing$  DC k12: 4 mm**

**Order data**

Order number	111205 4
GTIN	4045197853455
Item class	11A

**Description**
**Version:**

Ground from solid and relief ground, spiral fluted.

Nominal  $\varnothing$   $D_c$ : 4 mm

for workpiece  $\varnothing$ : 40 – 63 mm

Shank  $\varnothing$   $D_s$ : 10 mm

$s - 0.1$ : 8.4 mm

Overall length L: 55 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 $\varnothing$	40 – 63 mm
$s - 0.1$	8.4 mm
Overall length L	55 mm
Shank $\varnothing$ $D_s$	10 mm
Shank tolerance	h7
Number of cutting edges Z	2
Nominal $\varnothing$ $D_c$	4 mm
Coating	TiAlN
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