

**Garant**
**Centre drill HSS-E, extra long A, uncoated, Nominal  $\varnothing$  DC k12: 4 mm**

**Order data**

Order number	111300 4
GTIN	4045197884596
Item class	11A

**Description**
**Version:**

Ground from solid and relief-ground.  
 Spiral fluted, extra long shank, similar to DIN 333-A.  
 Nominal  $\varnothing$   $D_c$ : 4 mm  
 for workpiece  $\varnothing$ : 40 – 63 mm  
 Shank  $\varnothing$   $D_s$ : 10 mm  
 Overall length L: 120 mm  
 Feed f in steel < 900 N/mm<sup>2</sup>: 0.03 mm/rev.

**Technical description**

Nominal $\varnothing$ $D_c$	4 mm
Feed f in steel < 900 N/mm <sup>2</sup>	0.03 mm/rev.
Shank tolerance	h7
Shank $\varnothing$ $D_s$	10 mm
for workpiece $\varnothing$	40 – 63 mm
Number of cutting edges Z	2
Overall length L	120 mm
Coating	uncoated
Tool material	HSS E
Standard	Manufacturer's standard
Type	A

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