

**Garant**
**HSS-E centre drill for tapping holes A, uncoated, for threads: M12**

**Order data**

Order number	111310 M12
GTIN	4062406101930
Item class	11A

**Description**
**Version:**

Stepped centre drill for tapping holes to Form A.

 For **combined production** of centring, entry chamfer and tapping hole **all in a single operation**.

 Nominal  $\varnothing D_c$ : 10.2 mm

 $\varnothing D_1$  1st step: 13 mm

 $\varnothing D_2$  2nd step: 20 mm

 Step height  $L_1$  1st step: 28 mm

 Step height  $L_2$  2nd step: 34.5 mm

 for workpiece  $\varnothing$ : 210 – 250 mm

**Technical description**

Nominal $\varnothing D_c$	10.2 mm
Feed $f$ in steel < 900 N/mm <sup>2</sup>	0.2 mm/rev.
Overall length $L$	105 mm
Shank $\varnothing D_s$	20 mm
for workpiece $\varnothing$	210 – 250 mm
Number of cutting edges $Z$	2
Step height $L_1$ 1st step	28 mm
Step height $L_2$ 2nd step	34.5 mm
$\varnothing D_1$ 1st step	13 mm

Ø D <sub>2</sub> 2nd step	20 mm
Coating	uncoated
Tool material	HSS E
Standard	DIN 332/2
Type	A
Tolerance nominal Ø	0 / -0.05
Countersink angle	60 degrees
Cutting direction	right-hand
Shank	Parallel shank to h7
Through-coolant	no
Colour ring	without
Type of product	convex