

Garant
HSS-E centre drill for tapping holes A with flat, uncoated, for threads: M20

Order data

Order number	111313 M20
GTIN	4062406102012
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**.

With additional flats on the shank.

Nominal $\varnothing D_c$: 17.5 mm

$\varnothing D_1$ 1st step: 21 mm

$\varnothing D_2$ 2nd step: 31.5 mm

Step height L_1 1st step: 38 mm

Step height L_2 2nd step: 48.3 mm

for workpiece \varnothing : 290 – 320 mm

Technical description

for workpiece \varnothing	290 – 320 mm
Overall length L	145 mm
s – 0.1	29.35 mm
Number of cutting edges Z	2
Shank $\varnothing D_s$	31.5 mm
Nominal $\varnothing D_c$	17.5 mm
Feed f in steel < 900 N/mm ²	0.3 mm/rev.
Step height L_2 2nd step	48.3 mm

Step height L ₁ 1st step	38 mm
Ø D ₁ 1st step	21 mm
Ø D ₂ 2nd step	31.5 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