

Garant
HSS-E centre drill for tapping holes A with flat, uncoated, for threads: M10

Order data

Order number	111313 M10
GTIN	4062406101985
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 $\varnothing D_c$: 8.5 mm

$\varnothing D_1$ 1st step: 10.5 mm

$\varnothing D_2$ 2nd step: 16 mm

Step height L_1 1st step: 23 mm

Step height L_2 2nd step: 27.7 mm

for workpiece \varnothing : 180 – 210 mm

Technical description

for workpiece \varnothing	180 – 210 mm
Nominal $\varnothing D_c$	8.5 mm
Number of cutting edges Z	2
Shank $\varnothing D_s$	16 mm
Overall length L	90 mm
s – 0.1	14.85 mm
Feed f in steel < 900 N/mm ²	0.15 mm/rev.
Step height L_2 2nd step	27.7 mm

Ø D ₁ 1st step	10.5 mm
Step height L ₁ 1st step	23 mm
Ø D ₂ 2nd step	16 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