

Garant
**DIN counterbore for through holes, uncoated, Counterbore Ø D1 x pin Ø D2:
18X11 mm**

Order data

Order number	156020 18X11
GTIN	4045197087782
Item class	11M

Description
Version:

Spiral fluted counterbore. The pilot Ø matches the intended purpose:

f – for through holes **fine** quality to DIN ISO 273.

m for through holes **medium** quality to DIN ISO 273.

Application:

For counterboring socket head screws DIN 912, 6912, 7984, and cheese head screws ISO 1207 (DIN 84).

Shank: Parallel shank to h9

Number of cutting edges Z: 3

for screw size: M10

for quality of the hole: m

Overall length L: 100 mm

Shank Ø D_s: 12.5 mm

Feed f in steel < 500 N/mm²: 0.14 mm/rev.

Technical description

Counterbore Ø	18 mm
Pin Ø	11 mm
Feed f in steel < 500 N/mm ²	0.14 mm/rev.
for screw size	M10
Pre-drill Ø	11 mm
Number of cutting edges Z	3

for quality of the hole	m
Shank $\varnothing D_s$	12.5 mm
Overall length L	100 mm
Step height L_1 1st step with chamfer	22 mm
Point angle	180 degrees
Coating	uncoated
Tool material	HSS
Standard	DIN 373
Shank	Parallel shank to h9
Through-coolant	no
Type of product	Counterbore