

Garant
DIN counterbore for through holes, uncoated, Counterbore \varnothing D1 x pin \varnothing D2: 20X13,5mm

Order data

Order number	156120 20X13,5
GTIN	4045197087843
Item class	11M

Description
Version:

Spiral fluted counterbore. The pilot \varnothing 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).

Note:

For suitable reducing adapters for tools with MT shanks see **No. 343000-343530**.

Technical description

Pin \varnothing	13,5 mm
for quality of the hole	m
Counterbore \varnothing	20 mm
Pre-drill \varnothing	13.5 mm
Feed f in steel < 500 N/mm ²	0.16 mm/rev.
Number of cutting edges Z	3
for screw size	M12
Overall length L	150 mm
Morse taper MT	2

Step height L ₁ 1st step with chamfer	25 mm
Point angle	180 degrees
Coating	uncoated
Tool material	HSS
Standard	Manufacturer's standard
Shank	Morse taper
Through-coolant	no
Type of product	Counterbore

User data

	Suitability	V _c	ISO code
Aluminium (short chipping)	suitable	33 m/min	N
Steel < 500 N/mm ²	suitable	28 m/min	P
Steel < 750 N/mm ²	suitable	27 m/min	P
wet maximum	suitable		