

**Garant**
**DIN counterbore for through holes, uncoated, Counterbore Ø D1 x pin Ø D2: 18X10,5mm**

**Order data**

Order number	156120 18X10,5
GTIN	4045197087812
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).

**Note:**

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

**Technical description**

for screw size	M10
for quality of the hole	f
Pre-drill Ø	10.5 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.14 mm/rev.
Number of cutting edges Z	3
Counterbore Ø	18 mm
Pin Ø	10,5 mm
Overall length L	150 mm
Morse taper MT	2

Step height L <sub>1</sub> 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 <sub>c</sub>	ISO code
Aluminium (short chipping)	suitable	33 m/min	N
Steel < 500 N/mm <sup>2</sup>	suitable	28 m/min	P
Steel < 750 N/mm <sup>2</sup>	suitable	27 m/min	P
wet maximum	suitable		