

**Garant**
**DIN counterbore for tapping drill holes, uncoated, Counterbore  $\varnothing$  D1 x pin  $\varnothing$  D2: 11X5mm**

**Order data**

Order number	156220 11X5
GTIN	4045197087935
Item class	11M

**Description**
**Version:**

**Three edged**, spiral fluted counterbore with fixed pilot for tapping drill holes.

**Application:**

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

The pilot diameter matches the tapping hole diameter.

**Technical description**

for screw size	M6
Pre-drill $\varnothing$	5 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.12 mm/rev.
Counterbore $\varnothing$	11 mm
Number of cutting edges Z	3
Pin $\varnothing$	5 mm
Shank $\varnothing$ D <sub>s</sub>	8 mm
Overall length L	80 mm
Step height L <sub>1</sub> 1st step with chamfer	18 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

### 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
Steel < 900 N/mm <sup>2</sup>	suitable only under restricted conditions	27 m/min	P
wet maximum	suitable		