

## Garant

### DIN counterbore for tapping drill holes, uncoated, Counterbore $\varnothing$ D1 x pin $\varnothing$ D2: 20X10,2mm



#### Order data

Order number	156220 20X10,2
GTIN	4045197087966
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

Counterbore $\varnothing$	20 mm
for screw size	M12
Pin $\varnothing$	10,2 mm
Pre-drill $\varnothing$	10.2 mm
Feed f in steel < 500 N/mm <sup>2</sup>	0.16 mm/rev.
Number of cutting edges Z	3
Shank $\varnothing$ D <sub>s</sub>	12.5 mm
Overall length L	100 mm
Step height L <sub>1</sub> 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

### User data

	Suitability	$V_c$	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		