

**Garant****Counterbore set, 6 pieces, in a case, Type: K****Order data**

Order number	156420 K
GTIN	4045197087997
Item class	11M

**Description****Version:**

Set of the most commonly used counterbores **for screws M3 – M4 – M5 – M6 – M8 – M10.**

Counterbore 156220 **K** = tapping hole

**Content:**

Counterbore  $\varnothing \times$  pilot  $\varnothing$ : 1  $\times$  each size 6.5 $\times$ 2.5; 8 $\times$ 3.3; 10 $\times$ 4.2; 11 $\times$ 5; 15 $\times$ 6.8; 18 $\times$ 8.5

**Technical description**

Number of cutting edges Z	3
Type	K
Coating	uncoated
Point angle	180 degrees
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		

## Accessories

DIN counterbore for tapping drill holes Counterbore Ø D1 xpin Ø D2 18X8,5 mm	156220 18X8,5
DIN counterbore for tapping drill holes Counterbore Ø D1 xpin Ø D2 6,5X2,5 mm	156220 6,5X2,5
DIN counterbore for tapping drill holes Counterbore Ø D1 xpin Ø D2 8X3,3 mm	156220 8X3,3
DIN counterbore for tapping drill holes Counterbore Ø D1 xpin Ø D2 10X4,2 mm	156220 10X4,2
DIN counterbore for tapping drill holes Counterbore Ø D1 xpin Ø D2 15X6,8 mm	156220 15X6,8
DIN counterbore for tapping drill holes Counterbore Ø D1 xpin Ø D2 11X5 mm	156220 11X5