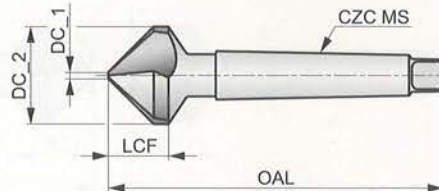


# G138



## HSS Taper Shank 90° Countersink, Bright Finish

A 90° Countersink designed for chamfering standard fastener holes and removing burrs from drilled holes. Taper shank design allows the tool to be used in machine applications where it is held directly in the spindle. Suitable to chamfer holes in many materials.



HSS	Bright	DIN 335D
R	90°	

Workpiece material group suitability, starting values for cutting speed (m/min) and feed Alpha Code. Tables with feed per revolution can be found starting from page 251.

<b>P1.1</b> ■ 23 E	<b>P1.2</b> ■ 26 E	<b>P1.3</b> ■ 27 E	<b>P2.1</b> ■ 20 E	<b>P2.2</b> ■ 18 D	<b>P2.3</b> ▧ 16 B	<b>P3.1</b> ■ 16 D	<b>P3.2</b> ▧ 13 D	<b>P3.3</b> ▧ 11 B	<b>P4.1</b> ■ 10 D	<b>P4.2</b> ▧ 8 B	<b>M1.1</b> ▧ 8	<b>M1.2</b> ▧ 6	<b>M2.1</b> ▧ 7
<b>M2.2</b> ▧ 6	<b>K1.1</b> ▧ 20 F	<b>K1.2</b> ▧ 15 D	<b>K2.1</b> ▧ 21 C	<b>K2.2</b> ▧ 17 C	<b>K3.1</b> ▧ 18 C	<b>K3.2</b> ▧ 14 C	<b>K5.1</b> ▧ 19 C	<b>K5.2</b> ▧ 15 C	<b>N1.1</b> ▧ 40 G	<b>N1.2</b> ■ 30 G	<b>N1.3</b> ▧ 20 F	<b>N2.1</b> ■ 20 F	<b>N2.2</b> ▧ 18 F
<b>N3.1</b> ■ 21 F	<b>N3.2</b> ■ 12 F	<b>N3.3</b> ▧ 6 D	<b>N4.1</b> ▧ 40 G	<b>N4.2</b> ▧ 35 G									

Product	DC_2 (mm)	DC_1 (mm)	LCF (mm)	OAL (mm)	CZC MS	NOF
13825.0	25.00	3.80	15.5	106.0	MK 2	3
13830.0	30.00	4.20	18.5	112.0	MK 2	3
13831.0	31.00	4.20	20.0	112.0	MK 2	3
13834.0	34.00	4.50	19.5	118.0	MK 2	3
13837.0	37.00	4.80	21.7	118.0	MK 2	3
13840.0	40.00	10.00	20.5	140.0	MK 3	3
13850.0	50.00	14.00	24.1	150.0	MK 3	3
13863.0	63.00	16.00	28.5	180.0	MK 4	3
13880.0	80.00	22.00	36.0	190.0	MK 4	3