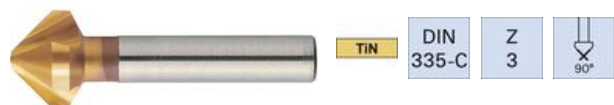


## FORMAT Taper and deburring counterbore, HSS, TiN, 90° with cylindrical shanktype 1433



Design: DIN 335-C. 90° countersink angle. Axial and radial taper-ground and CBN deep-ground. With straight, u-shaped clamping slots and drilling spaces ground from full pieces. Also provided with cutting and clearance angles for the most common materials.

Application: Suitable for universal chatter and burr-free drilling, countersinking and deburring work for countersunk screws DIN 963, DIN 964, DIN 965 and DIN 966 in one step. Please note the large countersink range!

The excellent cutting properties and easy machining process result from the cone-shaped back taper on the coat and angle of rake. The countersink achieves the best results with the strongest feed and lowest cutting speed.

Note: Sufficient supply of coolant is essential for uncoated designs.

### Characteristics

**Cutting direction:** Right

**DIN standard:** 335-C

**Type:** Countersinking cutter

**Point angle:** 90 °

Diameter mm	Total length mm	Holding system	Material	Article
4.3	40	Cylindrical	HSS	23410632
5	40	Cylindrical	HSS	23410633
5.3	40	Cylindrical	HSS	12125852
5.8	45	Cylindrical	HSS	12125853
6	45	Cylindrical	HSS	23410634
6.3	45	Cylindrical	HSS	23410635
7	50	Cylindrical	HSS	12125854
7.3	50	Cylindrical	HSS	23410636
8	50	Cylindrical	HSS	23410637
8.3	50	Cylindrical	HSS	23410638
9.4	50	Cylindrical	HSS	12125855
10	50	Cylindrical	HSS	23410639
10.4	50	Cylindrical	HSS	23410640
11.5	56	Cylindrical	HSS	12125856
12.4	56	Cylindrical	HSS	23410641
13.4	56	Cylindrical	HSS	12125857
15	60	Cylindrical	HSS	23410642
16.5	60	Cylindrical	HSS	23410643
19	63	Cylindrical	HSS	23410644
20.5	63	Cylindrical	HSS	23410645
23	67	Cylindrical	HSS	12125858
25	67	Cylindrical	HSS	23410646
28	71	Cylindrical	HSS	12125859
30	71	Cylindrical	HSS	23410647
31	71	Cylindrical	HSS	23410648
40	80	Cylindrical	HSS	23410649

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