

## **Taper and deburring countersinkers**

## Taper and deburring countersinkers DIN 335 type C 90° HSS Co 5 CBN ground for stainless steel

Counters. angle: 90°
Shank: cylindrical
Cutting edges: 3
Surface: bright

Because of the CBN deep-ground flutes the cutting edges are extremely sharp. Ideal for burr- and chatter-free deburring and countersinking. Applicable for special steel, stainless and acidresistant steel. Best results at low

cutting speeds.

Packing unit: in plastic tubes of 1

Right-hand cutting

| Counte<br>nominal Ø<br>d1 mm |     | Total<br>length<br>L mm | Shank Ø d2 mm |          | kings as per<br>174<br>BF | Article no. | Price<br>each<br>€ |
|------------------------------|-----|-------------------------|---------------|----------|---------------------------|-------------|--------------------|
| 6,3                          | 1,5 | 45,0                    | 5,0           |          | M 3                       | 102 107 E   |                    |
| 8,0                          | 2,0 | 50,0                    | 6,0           | // M 4   |                           | 102 110 E   |                    |
| 8,3                          | 2,0 | 50,0                    | 6,0           |          | M 4                       | 102 111 E   |                    |
| 10,0                         | 2,5 | 50,0                    | 6,0           | // M 5// |                           | 102 113 E   |                    |
| 10,4                         | 2,5 | 50,0                    | 6,0           |          | M 5                       | 102 114 E   |                    |
| 12,4                         | 2,8 | 56,0                    | 8,0           |          | M 6                       | 102 116 E   |                    |
| 16,5                         | 3,2 | 60,0                    | 8,0           |          | M 8                       | 102 119 E   |                    |
| 16,5                         | 3,2 | 60,0                    | 10,0          |          | // M 8                    | 102 119-1 E |                    |
| 20,5                         | 3,5 | 63,0                    | 10,0          |          | M 10                      | 102 121 E   |                    |
| 25,0                         | 3,8 | 67,0                    | 10,0          |          | M 12                      | 102 123 E   |                    |
| 31,0                         | 4,2 | 71,0                    | 12,0          |          | M 16                      | 102 125 E   |                    |



## Taper and deburring countersinkers ≈ DIN 335 type C 90° tungsten carbide K 20

Counters. angle: 90°
Shank: cylindrical
Cutting edges: 3
Surface: bright
Right-hand cutting

Because of the deep-ground flutes the cutting edges are absolutely sharp. Ideal for burr- and chatter-free deburring and countersinking. Applicable for abrasive and hard steel over 1000 N/mm² consistency, GG over 240 HB.

Packing unit: in plastic tubes of 1

| Counter<br>nominal Ø<br>d1 mm | rsinker<br>d3<br>mm | Total<br>length<br>L mm | Shank Ø<br>d2<br>mm |             | nkings as per<br>IN 74<br>BF | Article no. | Price<br>each<br>€        |
|-------------------------------|---------------------|-------------------------|---------------------|-------------|------------------------------|-------------|---------------------------|
| 6,3                           | 1,5                 | 45,0                    | 5,0                 |             | M 3                          | 102 261     | <i>i - i - II - i i i</i> |
| 8,3                           | 2,0                 | 50,0                    | 6,0                 |             | M 4                          | 102 262     |                           |
| 10,4                          | 2,5                 | 50,0                    | 6,0                 |             | M 5                          | 102 263     |                           |
| 12,4                          | 2,8                 | 56,0                    | 8,0                 | 11/11/11/11 | M 6                          | 102 264     |                           |
| 16,5                          | 3,2                 | 60,0                    | 10,0                |             | M 8                          | 102 265     |                           |
| 20,5                          | 3,5                 | 63,0                    | 10,0                | 7 / ////    | M 10                         | 102 266     |                           |
| 25,0                          | 3,8                 | 67,0                    | 10,0                |             | M 12                         | 102 267     |                           |
| 31,0                          | 4,2                 | 71,0                    | 12,0                |             | M 16                         | 102 268     |                           |



Modifications of tungsten carbide quality reserved.