

# 1031031 | DIN373 HSSE5% cobalt 180° counterbore - Cylindrical shank

High performance milling cutter for high strength steels and stainless steel due to its cobalt substrate and geometry.



- Especially for stainless steel and high-strength steels
- Superior long life
- Excellent surface finish
- Flooding of the screw heads
- 180° milling angle
- Cylindrical shank
- 5% cobalt HSS
- Head with 3 cutting edges

## Machine



## Application



## Features



## Properties and benefits

- + 180° milling angle : For 180° lamage operation. ➡ For making 180° lamage to down screw and/or rivet heads.
- + Cylindrical shank: the diameter of the shank is equal to the diameter of the tip. ➡ Enables versatile use on portable electrical tools and CNC machine tools.
- + 5% cobalt high-speed steel: HSS substrate enriched with 5% cobalt. Improved heat retention (strength, cutting sharpness) ➡ For general use in metals up to 1200 N/mm².
- + Head with 3 cutting edges: tool geometry designed with 3 cutting edges. ➡ Enables the excellent distribution of the cutting force and a neat surface condition.



| Item number M3 | EAN (13 digits) M3 | Cutter diameter | Drill diameter d3 | Handle diameter or CM | Total length | Trimmed length | QTY | PCB By How Much M3 |
|----------------|--------------------|-----------------|-------------------|-----------------------|--------------|----------------|-----|--------------------|
| 1031031042020  | 3221910590079      | 4,2             | 2                 | 4.2                   | 60           |                | 1   | 1                  |
| 1031031043022  | 3221910590093      | 4,3             | 2.2               | 4.3                   | 56           |                | 1   | 1                  |
| 1031031050027  | 3221910590109      | 5               | 2.7               | 5                     | 56           |                | 1   | 1                  |
| 1031031052025  | 3221910590116      | 5,2             | 2.5               | 5.2                   | 56           |                | 1   | 1                  |
| 1031031052030  | 3221910590123      | 5,2             | 3                 | 5.2                   | 56           |                | 1   | 1                  |
| 1031031060032  | 3221910590130      | 6               | 3.2               | 6                     | 71           |                | 1   | 1                  |
| 1031031062030  | 3221910590147      | 6,2             | 3                 | 6.2                   | 71           |                | 1   | 1                  |
| 1031031065037  | 3221910590154      | 6,5             | 3.7               | 6.5                   | 71           |                | 1   | 1                  |
| 1031031072035  | 3221910590161      | 7,2             | 3.5               | 7.2                   | 71           |                | 1   | 1                  |
| 1031031072040  | 3221910590178      | 7,2             | 4                 | 7.2                   | 71           |                | 1   | 1                  |
| 1031031080043  | 3221910590185      | 8               | 4.3               | 8                     | 71           |                | 1   | 1                  |
| 1031031082040  | 3221910590192      | 8,2             | 4                 | 8.2                   | 71           |                | 1   | 1                  |
| 1031031082050  | 3221910590208      | 8,2             | 5                 | 8.2                   | 71           |                | 1   | 1                  |
| 1031031092045  | 3221910590215      | 9,2             | 4.5               | 9.2                   | 71           |                | 1   | 1                  |
| 1031031092050  | 3221910590222      | 9,2             | 5                 | 9.2                   | 71           |                | 1   | 1                  |

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|               |               |      |      |      |     |   |   |
|---------------|---------------|------|------|------|-----|---|---|
| 1031031100053 | 3221910590246 | 10   | 5.3  | 10   | 80  | 1 | 1 |
| 1031031102050 | 3221910590253 | 10,2 | 5    | 10.2 | 80  | 1 | 1 |
| 1031031102060 | 3221910590260 | 10,2 | 6    | 10.2 | 80  | 1 | 1 |
| 1031031110064 | 3221910590277 | 11   | 6.4  | 11   | 80  | 1 | 1 |
| 1031031142070 | 3221910590307 | 14,2 | 7    | 12.5 | 80  | 1 | 1 |
| 1031031142080 | 3221910590314 | 14,2 | 8    | 12.5 | 80  | 1 | 1 |
| 1031031150084 | 3221910590321 | 15   | 8.4  | 12.5 | 100 | 1 | 1 |
| 1031031162080 | 3221910590338 | 16,2 | 8    | 12.5 | 100 | 1 | 1 |
| 1031031162090 | 3221910590345 | 16,2 | 9    | 12.5 | 100 | 1 | 1 |
| 1031031162100 | 3221910590352 | 16,2 | 10   | 12.5 | 100 | 1 | 1 |
| 1031031180105 | 3221910590369 | 18   | 10.5 | 12.5 | 100 | 1 | 1 |
| 1031031182090 | 3221910590376 | 18,2 | 9    | 12.5 | 100 | 1 | 1 |
| 1031031182100 | 3221910590383 | 18,2 | 10   | 12.5 | 100 | 1 | 1 |
| 1031031182120 | 3221910590390 | 18,2 | 12   | 12.5 | 100 | 1 | 1 |
| 1031031200130 | 3221910590413 | 20   | 13   | 12.5 | 100 | 1 | 1 |