

8140441 | PHOENIX metal drill bit HSS-E5 (cobalt 5%) -DIN340 -h8 -7xd -Long series -Type S

High performance drill (7xØ) for versatile and deep drilling thanks to its S flute geometry and substrate. Made in France.



- Especially for steels and aluminiums
- Deep drilling
- Superior long life
- Ultra-precise drilling
- Made in France

- 1/3 2/3 grinding
- Cylindrical shank
- Type S flute
- 5% cobalt HSS

Machine



Application



Features



Properties and benefits

- + 1/3 2/3 grinding: with tapering and indicator. ➡ Reduces cutting effort while maintaining good tip strength.
- + 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.
- + Type S flute: deep flute ➡ Suitable for deep drilling and for materials with chips that are difficult to extract.
- + 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.



| Code | EAN | Ø | d2/CM | L | l | lu | QTY | PCB |
|-------------|---------------|-----|-------|-----|----|----|-----|-----|
| 81404410200 | 3221910745783 | 2 | 2 | 85 | 56 | | 1 | 10 |
| 81404410250 | 3221910745837 | 2.5 | 2.5 | 95 | 62 | | 1 | 10 |
| 81404410280 | 3221910745868 | 2.8 | 2.8 | 100 | 66 | | 1 | 10 |
| 81404410300 | 3221910745882 | 3 | 3 | 100 | 66 | | 1 | 10 |
| 81404410320 | 3221910745905 | 3.2 | 3.2 | 106 | 69 | | 1 | 10 |
| 81404410330 | 3221910745929 | 3.3 | 3.3 | 106 | 69 | | 1 | 10 |
| 81404410350 | 3221910745943 | 3.5 | 3.5 | 112 | 73 | | 1 | 10 |
| 81404410360 | 3221910745950 | 3.6 | 3.6 | 112 | 73 | | 1 | 10 |
| 81404410380 | 3221910745981 | 3.8 | 3.8 | 119 | 78 | | 1 | 10 |
| 81404410400 | 3221910746001 | 4 | 4 | 119 | 78 | | 1 | 10 |
| 81404410410 | 3221910746018 | 4.1 | 4.1 | 119 | 78 | | 1 | 10 |
| 81404410420 | 3221910746025 | 4.2 | 4.2 | 119 | 78 | | 1 | 10 |
| 81404410430 | 3221910746049 | 4.3 | 4.3 | 126 | 82 | | 1 | 10 |
| 81404410450 | 3221910746063 | 4.5 | 4.5 | 126 | 82 | | 1 | 10 |
| 81404410480 | 3221910746094 | 4.8 | 4.8 | 132 | 87 | | 1 | 10 |
| 81404410500 | 3221910746117 | 5 | 5 | 132 | 87 | | 1 | 10 |
| 81404410520 | 3221910746131 | 5.2 | 5.2 | 132 | 87 | | 1 | 10 |

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|-------------|---------------|------|------|-----|-----|---|----|
| 81404410550 | 3221910746179 | 5.5 | 5.5 | 139 | 91 | 1 | 10 |
| 81404410580 | 3221910746216 | 5.8 | 5.8 | 139 | 91 | 1 | 10 |
| 81404410600 | 3221910746230 | 6 | 6 | 139 | 91 | 1 | 10 |
| 81404410620 | 3221910746254 | 6.2 | 6.2 | 148 | 97 | 1 | 10 |
| 81404410640 | 3221910746285 | 6.4 | 6.4 | 148 | 97 | 1 | 10 |
| 81404410650 | 3221910746292 | 6.5 | 6.5 | 148 | 97 | 1 | 10 |
| 81404410680 | 3221910746339 | 6.8 | 6.8 | 156 | 102 | 1 | 10 |
| 81404410700 | 3221910746353 | 7 | 7 | 156 | 102 | 1 | 10 |
| 81404410720 | 3221910746377 | 7.2 | 7.2 | 156 | 102 | 1 | 10 |
| 81404410750 | 3221910746407 | 7.5 | 7.5 | 156 | 102 | 1 | 10 |
| 81404410780 | 3221910746445 | 7.8 | 7.8 | 165 | 109 | 1 | 10 |
| 81404410800 | 3221910746469 | 8 | 8 | 165 | 109 | 1 | 10 |
| 81404410820 | 3221910746483 | 8.2 | 8.2 | 165 | 109 | 1 | 5 |
| 81404410850 | 3221910746513 | 8.5 | 8.5 | 165 | 109 | 1 | 5 |
| 81404410880 | 3221910746544 | 8.8 | 8.8 | 175 | 115 | 1 | 5 |
| 81404410900 | 3221910746568 | 9 | 9 | 175 | 115 | 1 | 5 |
| 81404410920 | 3221910746582 | 9.2 | 9.2 | 175 | 115 | 1 | 5 |
| 81404410950 | 3221910746599 | 9.5 | 9.5 | 175 | 115 | 1 | 5 |
| 81404410980 | 3221910746629 | 9.8 | 9.8 | 184 | 121 | 1 | 5 |
| 81404411000 | 3221910746643 | 10 | 10 | 184 | 121 | 1 | 5 |
| 81404411050 | 3221910746667 | 10.5 | 10.5 | 184 | 121 | 1 | 5 |
| 81404411100 | 3221910746698 | 11 | 11 | 195 | 128 | 1 | 5 |
| 81404411120 | 3221910746704 | 11.2 | 11.2 | 195 | 128 | 1 | 1 |
| 81404411150 | 3221910746711 | 11.5 | 11.5 | 195 | 128 | 1 | 1 |
| 81404411200 | 3221910746735 | 12 | 12 | 205 | 134 | 1 | 1 |
| 81404411250 | 3221910746766 | 12.5 | 12.5 | 205 | 134 | 1 | 1 |
| 81404411300 | 3221910746797 | 13 | 13 | 205 | 134 | 1 | 1 |