

**8149261 | INC_A metal drill bit -HSS-E8 (cobalt 8%)
-INCOCUT coated -DIN 338 -h8 -3xd -Split point -Type N
-Cylindrical shank**

Hi perf drill (3xØ). For manual use in Titanium and Inco/Alu/Ti stacks. INCOCUT coating improves cutting conditions and increases resistance to oxidation. Made in France.



- Especially for refractory alloys
- Especially for Hard steels
- Maximum long life
- Ultra-precise drilling
- Made in France

- Automatic centring
- 28° type N flute
- 8% cobalt HSS
- 135° tip
- INCOCUT coating



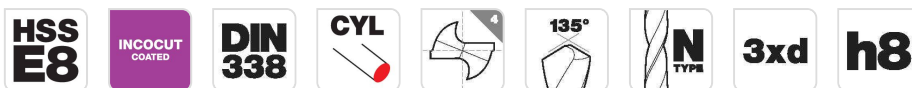
Machine



Application

| | | | |
|--|--------------------|-----------------------|-------------------------|
| N 1.4 | N 2 | S 2 | S 4 |
| N1-4-based alloy Aluminum-4000 Series: With Silicon | N2-Magnesium alloy | S2-Nickel-based alloy | S4-Titanium-based alloy |

Features



Properties and benefits

- + Split-point grinding:reduction of the drill tip. ➡ Enables the simple self-centring of the drill bit on the smoothest of surfaces. Significantly reduces the required axial load.
- + 28° type N flute : normal flute profile with a 28° helix angle. ➡ Suitable for general use. Provides good rigidity to the tool, as well as excellent drilling precision.
- + 8% cobalt high-speed steel : HSS substrate enriched with 5% cobalt. Improved heat retention (strength, cutting sharpness). ➡ For general use in metals up to 1400 N/mm²;
- + 135° tip: 135° tip angle for the sharpening of the drill bit. ➡ Suitable for strong and difficult materials. Enables a shorter and stronger cutting edge, thus prolonging the service life.
- + INCOCUT coating : Thickness 2/4µm, hardness 3200 HV, coefficient of friction 0,35, resistance to heat (1100°C). ➡ Allows for a significant increase in cutting conditions. High oxidation resistance (high temperatures). Only for steel, stainless steel and titanium alloys.



| Code | EAN | Ø | d2/CM | L | l | lu | QTY | PCB |
|-------------|---------------|-----|-------|----|----|----|-----|-----|
| 81492610250 | 3221910887810 | 2.5 | 2.5 | 57 | 30 | 30 | 1 | 10 |
| 81492610260 | 3221910887827 | 2.6 | 2.6 | 57 | 30 | 30 | 1 | 10 |
| 81492610270 | 3221910887834 | 2.7 | 2.7 | 61 | 33 | 33 | 1 | 10 |
| 81492610280 | 3221910887865 | 2.8 | 2.8 | 61 | 33 | 33 | 1 | 10 |

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| | | | | | | | | |
|-------------|---------------|-----|-----|-----|----|----|---|----|
| 81492610290 | 3221910887872 | 2.9 | 2.9 | 61 | 33 | 33 | 1 | 10 |
| 81492610300 | 3221910887889 | 3 | 3 | 61 | 33 | 33 | 1 | 10 |
| 81492610310 | 3221910887896 | 3.1 | 3.1 | 65 | 36 | 36 | 1 | 10 |
| 81492610320 | 3221910887919 | 3.2 | 3.2 | 65 | 36 | 36 | 1 | 10 |
| 81492610330 | 3221910887933 | 3.3 | 3.3 | 65 | 36 | 36 | 1 | 10 |
| 81492610340 | 3221910887940 | 3.4 | 3.4 | 70 | 39 | 39 | 1 | 10 |
| 81492610350 | 3221910887957 | 3.5 | 3.5 | 70 | 39 | 39 | 1 | 10 |
| 81492610360 | 3221910887971 | 3.6 | 3.6 | 70 | 39 | 39 | 1 | 10 |
| 81492610370 | 3221910887988 | 3.7 | 3.7 | 70 | 39 | 39 | 1 | 10 |
| 81492610380 | 3221910888008 | 3.8 | 3.8 | 75 | 43 | 43 | 1 | 10 |
| 81492610390 | 3221910888015 | 3.9 | 3.9 | 75 | 43 | 43 | 1 | 10 |
| 81492610400 | 3221910888046 | 4 | 4 | 75 | 43 | 43 | 1 | 10 |
| 81492610410 | 3221910888053 | 4.1 | 4.1 | 75 | 43 | 43 | 1 | 10 |
| 81492610420 | 3221910888060 | 4.2 | 4.2 | 75 | 43 | 43 | 1 | 10 |
| 81492610430 | 3221910888084 | 4.3 | 4.3 | 80 | 47 | 47 | 1 | 10 |
| 81492610440 | 3221910888107 | 4.4 | 4.4 | 80 | 47 | 47 | 1 | 10 |
| 81492610450 | 3221910888114 | 4.5 | 4.5 | 80 | 47 | 47 | 1 | 10 |
| 81492610460 | 3221910888121 | 4.6 | 4.6 | 80 | 47 | 47 | 1 | 10 |
| 81492610470 | 3221910888138 | 4.7 | 4.7 | 80 | 47 | 47 | 1 | 10 |
| 81492610480 | 3221910888169 | 4.8 | 4.8 | 86 | 52 | 52 | 1 | 10 |
| 81492610490 | 3221910888176 | 4.9 | 4.9 | 86 | 52 | 52 | 1 | 10 |
| 81492610500 | 3221910888183 | 5 | 5 | 86 | 52 | 52 | 1 | 10 |
| 81492610510 | 3221910888190 | 5.1 | 5.1 | 86 | 52 | 52 | 1 | 10 |
| 81492610520 | 3221910888213 | 5.2 | 5.2 | 86 | 52 | 52 | 1 | 10 |
| 81492610530 | 3221910888237 | 5.3 | 5.3 | 86 | 52 | 52 | 1 | 10 |
| 81492610540 | 3221910888244 | 5.4 | 5.4 | 93 | 57 | 57 | 1 | 10 |
| 81492610550 | 3221910888251 | 5.5 | 5.5 | 93 | 57 | 57 | 1 | 10 |
| 81492610560 | 3221910888275 | 5.6 | 5.6 | 93 | 57 | 57 | 1 | 10 |
| 81492610570 | 3221910888282 | 5.7 | 5.7 | 93 | 57 | 57 | 1 | 10 |
| 81492610580 | 3221910888305 | 5.8 | 5.8 | 93 | 57 | 57 | 1 | 10 |
| 81492610590 | 3221910888312 | 5.9 | 5.9 | 93 | 57 | 57 | 1 | 10 |
| 81492610600 | 3221910888336 | 6 | 6 | 93 | 57 | 57 | 1 | 10 |
| 81492610610 | 3221910888343 | 6.1 | 6.1 | 101 | 63 | 63 | 1 | 10 |
| 81492610620 | 3221910888350 | 6.2 | 6.2 | 101 | 63 | 63 | 1 | 10 |
| 81492610630 | 3221910888374 | 6.3 | 6.3 | 101 | 63 | 63 | 1 | 10 |
| 81492610640 | 3221910888398 | 6.4 | 6.4 | 101 | 63 | 63 | 1 | 10 |
| 81492610650 | 3221910888404 | 6.5 | 6.5 | 101 | 63 | 63 | 1 | 10 |
| 81492610660 | 3221910888411 | 6.6 | 6.6 | 101 | 63 | 63 | 1 | 10 |
| 81492610670 | 3221910888428 | 6.7 | 6.7 | 101 | 63 | 63 | 1 | 10 |
| 81492610680 | 3221910888459 | 6.8 | 6.8 | 109 | 69 | 69 | 1 | 10 |
| 81492610690 | 3221910888466 | 6.9 | 6.9 | 109 | 69 | 69 | 1 | 10 |
| 81492610700 | 3221910888473 | 7 | 7 | 109 | 69 | 69 | 1 | 10 |