

High performance drill for fast and intensive drilling of Nickel/Cobalt and Titanium alloys. Made in France



- Especially for refractory alloys
- Especially for Hard steels
- Deep drilling
- Superior long life
- Made in France

- Automatic centring
- Cylindrical shank
- 28° type N flute
- 8% cobalt HSS
- 135° tip

**Machine**



**Application**



**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.
- + 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.
- + 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/mm<sup>2</sup>;
- + 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.



Code	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
81404810250	3221910751470	2.5	2.5	95	62		1	10
81404810300	3221910751524	3	3	100	66		1	10
81404810320	3221910751548	3.2	3.2	106	69		1	10
81404810330	3221910751555	3.3	3.3	106	69		1	10
81404810350	3221910751579	3.5	3.5	112	73		1	10
81404810400	3221910751616	4	4	119	78		1	10
81404810410	3221910751623	4.1	4.1	119	78		1	10
81404810420	3221910751630	4.2	4.2	119	78		1	10
81404810450	3221910751647	4.5	4.5	126	82		1	10
81404810480	3221910751678	4.8	4.8	132	87		1	10
81404810500	3221910751692	5	5	132	87		1	10
81404810550	3221910751746	5.5	5.5	139	91		1	10



**8140481 | LAZER metal drill bit HSS-E8 (cobalt 8%)  
-DIN340 -h8 -Long series - Split point**

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81404810600	3221910751784	6	6	139	91	1	10
81404810650	3221910751814	6.5	6.5	148	97	1	10
81404810680	3221910751845	6.8	6.8	156	102	1	10
81404810700	3221910751869	7	7	156	102	1	10
81404810750	3221910751890	7.5	7.5	156	102	1	10
81404810800	3221910751920	8	8	165	109	1	10
81404810850	3221910751951	8.5	8.5	165	109	1	5
81404810900	3221910751999	9	9	175	115	1	5
81404810950	3221910752026	9.5	9.5	175	115	1	5
81404811000	3221910752064	10	10	184	121	1	5
81404811100	3221910752095	11	11	195	128	1	5
81404811200	3221910752125	12	12	205	134	1	1