8140161 | LAZER metal drill bit HSS-E8 (cobalt 8%) -DIN338 -h8 -Split point

High performance drill for intensive drilling of nickel/cobalt compounds and titanium. High performance. Made in France





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

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

Machine

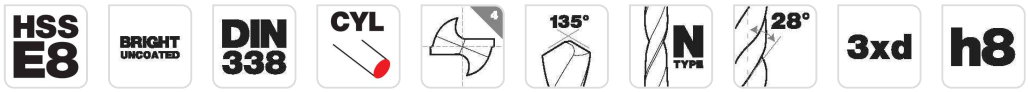


Application



S1- Iron-based alloy | S2- Nickel-based alloy | S3- Cobalt-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 requried 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/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.



Code	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
81401610200	3221910402167	2	2	49	24		1	10
81401610210	3221910402174	2.1	2.1	49	24		1	10
81401610220	3221910402181	2.2	2.2	53	27		1	10
81401610225	3221910402198	2.25	2.25	53	27		1	10
81401610230	3221910402204	2.3	2.3	53	27		1	10
81401610240	3221910402211	2.4	2.4	57	30		1	10
81401610250	3221910402235	2.5	2.5	57	30		1	10
81401610260	3221910402242	2.6	2.6	57	30		1	10
81401610270	3221910402259	2.7	2.7	61	33		1	10
81401610275	3221910402266	2.75	2.75	61	33		1	10
81401610280	3221910402273	2.8	2.8	61	33		1	10
81401610290	3221910402280	2.9	2.9	61	33		1	10

TIVOLY PREMIUM

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81401610300	3221910402303	3	3	61	33	1	10
81401610310	3221910402310	3.1	3.1	65	36	1	10
81401610320	3221910402327	3.2	3.2	65	36	1	10
81401610325	3221910402334	3.25	3.25	65	36	1	10
81401610330	3221910402341	3.3	3.3	65	36	1	10
81401610340	3221910402358	3.4	3.4	70	39	1	10
81401610350	3221910402365	3.5	3.5	70	39	1	10
81401610360	3221910402372	3.6	3.6	70	39	1	10
81401610370	3221910402389	3.7	3.7	70	39	1	10
81401610375	3221910402396	3.75	3.75	70	39	1	10
81401610380	3221910402402	3.8	3.8	75	43	1	10
81401610390	3221910402419	3.9	3.9	75	43	1	10
81401610400	3221910402426	4	4	75	43	1	10
81401610410	3221910402433	4.1	4.1	75	43	1	10
81401610420	3221910402440	4.2	4.2	75	43	1	10
81401610425	3221910402457	4.25	4.25	75	43	1	10
81401610430	3221910402464	4.3	4.3	80	47	1	10
81401610440	3221910402471	4.4	4.4	80	47	1	10
81401610450	3221910402488	4.5	4.5	80	47	1	10
81401610460	3221910402495	4.6	4.6	80	47	1	10
81401610470	3221910402501	4.7	4.7	80	47	1	10
81401610475	3221910402518	4.75	4.75	80	47	1	10
81401610480	3221910402525	4.8	4.8	86	52	1	10
81401610490	3221910402532	4.9	4.9	86	52	1	10
81401610500	3221910402549	5	5	86	52	1	10
81401610510	3221910402556	5.1	5.1	86	52	1	10
81401610520	3221910402563	5.2	5.2	86	52	1	10
81401610525	3221910402570	5.25	5.25	86	52	1	10
81401610530	3221910402587	5.3	5.3	86	52	1	10
81401610540	3221910402594	5.4	5.4	93	57	1	10
81401610550	3221910402600	5.5	5.5	93	57	1	10
81401610560	3221910402617	5.6	5.6	93	57	1	10
81401610570	3221910402624	5.7	5.7	93	57	1	10
81401610575	3221910402631	5.75	5.75	93	57	1	10
81401610580	3221910402648	5.8	5.8	93	57	1	10
81401610590	3221910402655	5.9	5.9	93	57	1	10
81401610600	3221910402662	6	6	93	57	1	10
81401610610	3221910402679	6.1	6.1	101	63	1	10
81401610620	3221910402686	6.2	6.2	101	63	1	10
81401610625	3221910402693	6.25	6.25	101	63	1	10
81401610630	3221910402709	6.3	6.3	101	63	1	10
81401610640	3221910402723	6.4	6.4	101	63	1	10
81401610650	3221910402730	6.5	6.5	101	63	1	10
81401610660	3221910402747	6.6	6.6	101	63	1	10
81401610670	3221910402754	6.7	6.7	101	63	1	10
81401610675	3221910402761	6.75	6.75	109	69	1	10
81401610680	3221910402778	6.8	6.8	109	69	1	10
81401610690	3221910402785	6.9	6.9	109	69	1	10
81401610700	3221910402792	7	7	109	69	1	10
81401610710	3221910402808	7.1	7.1	109	69	1	10
81401610720	3221910402815	7.2	7.2	109	69	1	10
81401610725	3221910402822	7.25	7.25	109	69	1	10
81401610730	3221910402839	7.3	7.3	109	69	1	10
81401610740	3221910402846	7.4	7.4	109	69	1	10
81401610750	3221910402853	7.5	7.5	109	69	1	10
81401610760	3221910402860	7.6	7.6	117	75	1	10
81401610770	3221910402877	7.7	7.7	117	75	1	10
81401610775	3221910402884	7.75	7.75	117	75	1	10
81401610780	3221910402891	7.8	7.8	117	75	1	10
81401610790	3221910402907	7.9	7.9	117	75	1	10
81401610800	3221910402914	8	8	117	75	1	10
81401610810	3221910402921	8.1	8.1	117	75	1	5
81401610820	3221910402938	8.2	8.2	117	75	1	5
81401610825	3221910402945	8.25	8.25	117	75	1	5
81401610830	3221910402952	8.3	8.3	117	75	1	5

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81401610840	3221910402969	8.4	8.4	117	75	1	5
81401610850	3221910402976	8.5	8.5	117	75	1	5
81401610860	3221910402983	8.6	8.6	125	81	1	5
81401610870	3221910402990	8.7	8.7	125	81	1	5
81401610875	3221910403003	8.75	8.75	125	81	1	5
81401610880	3221910403010	8.8	8.8	125	81	1	5
81401610890	3221910403027	8.9	8.9	125	81	1	5
81401610900	3221910403034	9	9	125	81	1	5
81401610910	3221910403041	9.1	9.1	125	81	1	5
81401610920	3221910403058	9.2	9.2	125	81	1	5
81401610925	3221910403065	9.25	9.25	125	81	1	5
81401610930	3221910403072	9.3	9.3	125	81	1	5
81401610940	3221910403089	9.4	9.4	125	81	1	5
81401610950	3221910403096	9.5	9.5	125	81	1	5
81401610960	3221910403102	9.6	9.6	133	87	1	5
81401610970	3221910403119	9.7	9.7	133	87	1	5
81401610975	3221910403126	9.75	9.75	133	87	1	5
81401610980	3221910403133	9.8	9.8	133	87	1	5
81401610990	3221910403140	9.9	9.9	133	87	1	5
81401611000	3221910403157	10	10	133	87	1	5
81401611010	3221910403164	10.1	10.1	133	87	1	5
81401611020	3221910403171	10.2	10.2	133	87	1	5
81401611025	3221910403188	10.25	10.25	133	87	1	5
81401611030	3221910403195	10.3	10.3	133	87	1	5
81401611040	3221910403201	10.4	10.4	133	87	1	5
81401611050	3221910403218	10.5	10.5	133	87	1	5
81401611060	3221910403225	10.6	10.6	133	87	1	5
81401611070	3221910403232	10.7	10.7	142	94	1	5
81401611075	3221910403249	10.75	10.75	142	94	1	5
81401611080	3221910403256	10.8	10.8	142	94	1	5
81401611090	3221910403263	10.9	10.9	142	94	1	5
81401611100	3221910403270	11	11	142	94	1	5
81401611110	3221910403287	11.1	11.1	142	94	1	5
81401611120	3221910403294	11.2	11.2	142	94	1	5
81401611125	3221910403300	11.25	11.25	142	94	1	5
81401611130	3221910403317	11.3	11.3	142	94	1	5
81401611140	3221910403324	11.4	11.4	142	94	1	5
81401611150	3221910403331	11.5	11.5	142	94	1	5
81401611160	3221910403348	11.6	11.6	142	94	1	5
81401611170	3221910403355	11.7	11.7	142	94	1	5
81401611175	3221910403362	11.75	11.75	142	94	1	5
81401611180	3221910403379	11.8	11.8	142	94	1	5
81401611190	3221910403386	11.9	11.9	151	101	1	5
81401611200	3221910403393	12	12	151	101	1	5
81401611210	3221910403409	12.1	12.1	151	101	1	5
81401611220	3221910403416	12.2	12.2	151	101	1	5
81401611225	3221910403423	12.25	12.25	151	101	1	5
81401611230	3221910403430	12.3	12.3	151	101	1	5
81401611240	3221910403447	12.4	12.4	151	101	1	5
81401611250	3221910403454	12.5	12.5	151	101	1	5
81401611260	3221910403461	12.6	12.6	151	101	1	5
81401611270	3221910403478	12.7	12.7	151	101	1	5
81401611275	3221910403485	12.75	12.75	151	101	1	5
81401611280	3221910403492	12.8	12.8	151	101	1	5
81401611300	3221910403515	13	13	151	101	1	5
81401611400	3221910403546	14	14	160	108	1	5
81401611500	3221910403584	15	15	169	114	1	5
81401611600	3221910403621	16	16	178	120	1	1