

# 8140031 | ALTAÏS HSS metal drill bit DIN338 -h8 -3xd -Elliptic point

Drill bit (3xØ) for drilling of steel and cast iron. Elliptical sharpening allows a reduction of the cutting forces as well as a better resistance to wear. Made in France



- Especially for high-strength steels and cast irons
- Rapid drilling
- Tough
- Precise drilling
- Made in France
  
- Elliptical sharpening
- Cylindrical shank
- 30° type N flute
- High-speed steel
- 118° tip

### Machine



### Application



### Features



### Properties and benefits

- + Elliptical cutting: elliptical tapering of the tip of the drill bit. ➡ Enables the reduction of cutting effort, while maintaining excellent tool rigidity, as well as good resistance to wear.
- + 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.
- + 30° type N flute: normal flute profile with a 30° helix angle. ➡ Suitable for general use. Provides good rigidity to the tool, as well as excellent drilling precision.
- + High-speed steel: HSS substrate ➡ For general use in steels and cast irons up to 950 N/mm<sup>2</sup>
- + 118° tip: 118° tip angle for the sharpening of the drill bit. ➡ Suitable for general use in materials with long shavings. Enables the rapid attach of the material and simple centring.

### Related products



PHOENIX HSS-E5 (cobalt 5%) metal drill bit -TiAlN coated -DIN1897 -h8 -2xd -Extra short -Type S

HSS 60°-120° center drill -DIN333B -h8 -Shape B



Code	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
81400310030	3221910841393	0.3	0.3	19	3		1	10
81400310040	3221910841409	0.4	0.4	20	5		1	10
81400310050	3221910841416	0.5	0.5	22	6		1	10

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81400310060	3221910841423	0.6	0.6	24	7	1	10
81400310070	3221910841430	0.7	0.7	28	9	1	10
81400310080	3221910841454	0.8	0.8	30	10	1	10
81400310090	3221910841461	0.9	0.9	32	11	1	10
81400310100	3221910841478	1	1	34	12	1	10
81400310110	3221910841485	1.1	1.1	36	14	1	10
81400310120	3221910841492	1.2	1.2	38	16	1	10
81400310130	3221910841515	1.3	1.3	38	16	1	10
81400310140	3221910841522	1.4	1.4	40	18	1	10
81400310150	3221910841539	1.5	1.5	40	18	1	10
81400310160	3221910841546	1.6	1.6	43	20	1	10
81400310170	3221910841553	1.7	1.7	43	20	1	10
81400310180	3221910841577	1.8	1.8	46	22	1	10
81400310190	3221910841584	1.9	1.9	46	22	1	10
81400310200	3221910841591	2	2	49	24	1	10
81400310210	3221910841607	2.1	2.1	49	24	1	10
81400310220	3221910841614	2.2	2.2	53	27	1	10
81400310230	3221910841638	2.3	2.3	53	27	1	10
81400310240	3221910841645	2.4	2.4	57	30	1	10
81400310250	3221910841652	2.5	2.5	57	30	1	10
81400310260	3221910841669	2.6	2.6	57	30	1	10
81400310270	3221910841676	2.7	2.7	61	33	1	10
81400310280	3221910841690	2.8	2.8	61	33	1	10
81400310290	3221910841706	2.9	2.9	61	33	1	10
81400310300	3221910841713	3	3	61	33	1	10
81400310310	3221910841720	3.1	3.1	65	36	1	10
81400310320	3221910841737	3.2	3.2	65	36	1	10
81400310330	3221910841751	3.3	3.3	65	36	1	10
81400310340	3221910841768	3.4	3.4	70	39	1	10
81400310350	3221910841775	3.5	3.5	70	39	1	10
81400310360	3221910841782	3.6	3.6	70	39	1	10
81400310370	3221910841799	3.7	3.7	70	39	1	10
81400310380	3221910841812	3.8	3.8	75	43	1	10
81400310390	3221910841829	3.9	3.9	75	43	1	10
81400310400	3221910841836	4	4	75	43	1	10
81400310410	3221910841843	4.1	4.1	75	43	1	10
81400310420	3221910841850	4.2	4.2	75	43	1	10
81400310430	3221910841874	4.3	4.3	80	47	1	10
81400310440	3221910841881	4.4	4.4	80	47	1	10
81400310450	3221910841898	4.5	4.5	80	47	1	10
81400310460	3221910841904	4.6	4.6	80	47	1	10
81400310470	3221910841911	4.7	4.7	80	47	1	10
81400310480	3221910841935	4.8	4.8	86	52	1	10
81400310490	3221910841942	4.9	4.9	86	52	1	10
81400310500	3221910841959	5	5	86	52	1	10
81400310510	3221910841966	5.1	5.1	86	52	1	10
81400310520	3221910841973	5.2	5.2	86	52	1	10
81400310530	3221910841997	5.3	5.3	86	52	1	10
81400310540	3221910842000	5.4	5.4	93	57	1	10
81400310550	3221910842017	5.5	5.5	93	57	1	10
81400310560	3221910842024	5.6	5.6	93	57	1	10
81400310570	3221910842031	5.7	5.7	93	57	1	10
81400310580	3221910842055	5.8	5.8	93	57	1	10
81400310590	3221910842062	5.9	5.9	93	57	1	10
81400310600	3221910842079	6	6	93	57	1	10
81400310610	3221910842086	6.1	6.1	101	63	1	10
81400310620	3221910842093	6.2	6.2	101	63	1	10
81400310630	3221910842116	6.3	6.3	101	63	1	10
81400310640	3221910842123	6.4	6.4	101	63	1	10
81400310650	3221910842130	6.5	6.5	101	63	1	10
81400310660	3221910842147	6.6	6.6	101	63	1	10
81400310670	3221910842154	6.7	6.7	101	63	1	10
81400310675	3221910842161	6.75	6.75	109	69	1	10
81400310680	3221910842178	6.8	6.8	109	69	1	10
81400310690	3221910842185	6.9	6.9	109	69	1	10

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81400310700	3221910842192	7	7	109	69	1	10
81400310710	3221910842208	7.1	7.1	109	69	1	10
81400310720	3221910842215	7.2	7.2	109	69	1	10
81400310730	3221910842239	7.3	7.3	109	69	1	10
81400310740	3221910842246	7.4	7.4	109	69	1	10
81400310750	3221910842253	7.5	7.5	109	69	1	10
81400310760	3221910842260	7.6	7.6	117	75	1	10
81400310770	3221910842277	7.7	7.7	117	75	1	10
81400310780	3221910842291	7.8	7.8	117	75	1	10
81400310790	3221910842307	7.9	7.9	117	75	1	10
81400310800	3221910842314	8	8	117	75	1	10
81400310810	3221910842321	8.1	8.1	117	75	1	5
81400310820	3221910842338	8.2	8.2	117	75	1	5
81400310830	3221910842352	8.3	8.3	117	75	1	5
81400310840	3221910842369	8.4	8.4	117	75	1	5
81400310850	3221910842376	8.5	8.5	117	75	1	5
81400310860	3221910842383	8.6	8.6	125	81	1	5
81400310870	3221910842390	8.7	8.7	125	81	1	5
81400310880	3221910842413	8.8	8.8	125	81	1	5
81400310890	3221910842420	8.9	8.9	125	81	1	5
81400310900	3221910842437	9	9	125	81	1	5
81400310910	3221910842444	9.1	9.1	125	81	1	5
81400310920	3221910842451	9.2	9.2	125	81	1	5
81400310930	3221910842475	9.3	9.3	125	81	1	5
81400310940	3221910842482	9.4	9.4	125	81	1	5
81400310950	3221910842499	9.5	9.5	125	81	1	5
81400310960	3221910842505	9.6	9.6	133	87	1	5
81400310990	3221910842543	9.9	9.9	133	87	1	5
81400311000	3221910842550	10	10	133	87	1	5
81400311010	3221910842567	10.1	10.1	133	87	1	5
81400311020	3221910842574	10.2	10.2	133	87	1	5
81400311025	3221910842581	10.25	10.25	133	87	1	5
81400311030	3221910842598	10.3	10.3	133	87	1	5
81400311040	3221910842604	10.4	10.4	133	87	1	5
81400311050	3221910842611	10.5	10.5	133	87	1	5
81400311080	3221910842659	10.8	10.8	142	94	1	5
81400311100	3221910842673	11	11	142	94	1	5
81400311150	3221910842734	11.5	11.5	142	94	1	5
81400311180	3221910842772	11.8	11.8	142	94	1	5
81400311200	3221910842796	12	12	151	101	1	5
81400311210	3221910842802	12.1	12.1	151	101	1	5
81400311220	3221910842819	12.2	12.2	151	101	1	5
81400311250	3221910842857	12.5	12.5	151	101	1	5
81400311300	3221910842918	13	13	151	101	1	5