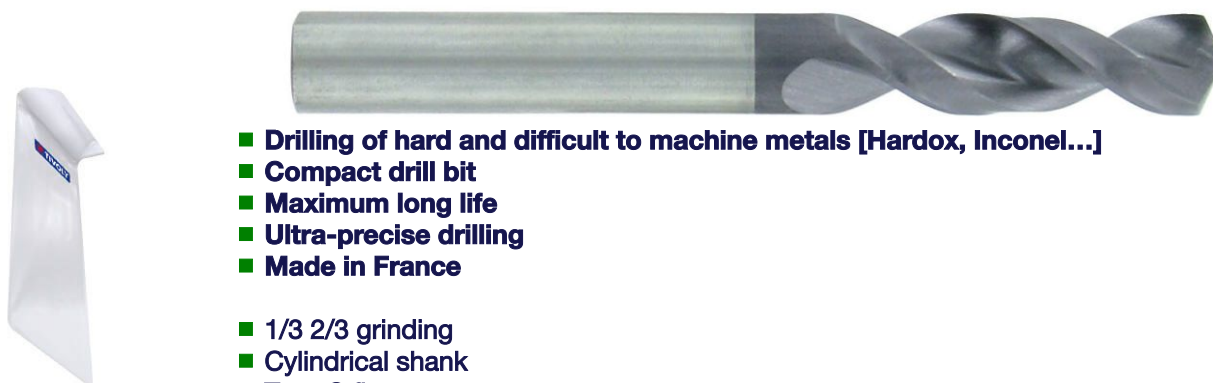


8143911 | PHOENIX HSS-E5 (cobalt 5%) metal drill bit -TiAlN coated -DIN1897 -h8 -2xd -Extra short -Type S

High performance drill (2xØ) for drilling hard, difficult to machine metals. TiAlN coating gives a longer life and lower cutting forces. Made in France.



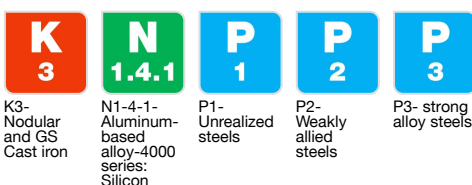
- Drilling of hard and difficult to machine metals [Hardox, Inconel...]
- Compact drill bit
- Maximum long life
- Ultra-precise drilling
- Made in France

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

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.
- + TiAlN coating: TiAlN base, thickness 2/4µm, hardness 3000HV, coefficient of friction 0.4, heat resistance 900°C. ➡ Thermal shield. Allows you to increase service life, cutting speed, and progress. Reduces the axial load. Versatile uses.



Code	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
81439110200	3221910783655	2	2	38	12		1	10
81439110210	3221910783662	2.1	2.1	38	12		1	10
81439110220	3221910783679	2.2	2.2	40	13		1	10
81439110230	3221910783686	2.3	2.3	40	13		1	10
81439110240	3221910783693	2.4	2.4	43	14		1	10
81439110250	3221910783709	2.5	2.5	43	14		1	10
81439110260	3221910783716	2.6	2.6	43	14		1	10
81439110270	3221910783723	2.7	2.7	46	16		1	10
81439110280	3221910783730	2.8	2.8	46	16		1	10
81439110290	3221910783747	2.9	2.9	46	16		1	10
81439110300	3221910783754	3	3	46	16		1	10
81439110310	3221910783761	3.1	3.1	49	18		1	10
81439110320	3221910783778	3.2	3.2	49	18		1	10

High performance drill (2xØ) for drilling hard, difficult to machine metals. TiAlN coating gives a longer life and lower cutting forces. Made in France.

81439110330	3221910783785	3.3	3.3	49	18	1	10
81439110340	3221910783792	3.4	3.4	52	20	1	10
81439110350	3221910783808	3.5	3.5	52	20	1	10
81439110360	3221910783815	3.6	3.6	52	20	1	10
81439110370	3221910783822	3.7	3.7	52	20	1	10
81439110380	3221910783839	3.8	3.8	55	22	1	10
81439110390	3221910783846	3.9	3.9	55	22	1	10
81439110400	3221910783853	4	4	55	22	1	10
81439110410	3221910783860	4.1	4.1	55	22	1	10
81439110420	3221910783877	4.2	4.2	55	22	1	10
81439110430	3221910783884	4.3	4.3	58	24	1	10
81439110440	3221910783891	4.4	4.4	58	24	1	10
81439110450	3221910783907	4.5	4.5	58	24	1	10
81439110460	3221910783914	4.6	4.6	58	24	1	10
81439110470	3221910783921	4.7	4.7	58	24	1	10
81439110480	3221910783938	4.8	4.8	62	26	1	10
81439110490	3221910783945	4.9	4.9	62	26	1	10
81439110500	3221910783952	5	5	62	26	1	10
81439110510	3221910783969	5.1	5.1	62	26	1	10
81439110520	3221910783976	5.2	5.2	62	26	1	10
81439110530	3221910783983	5.3	5.3	62	26	1	10
81439110540	3221910783990	5.4	5.4	66	28	1	10
81439110550	3221910784003	5.5	5.5	66	28	1	10
81439110560	3221910784010	5.6	5.6	66	28	1	10
81439110570	3221910784027	5.7	5.7	66	28	1	10
81439110580	3221910784034	5.8	5.8	66	28	1	10
81439110590	3221910784041	5.9	5.9	66	28	1	10
81439110600	3221910784058	6	6	66	28	1	10
81439110610	3221910784065	6.1	6.1	70	31	1	10
81439110620	3221910784072	6.2	6.2	70	31	1	10
81439110630	3221910784089	6.3	6.3	70	31	1	10
81439110640	3221910784096	6.4	6.4	70	31	1	10
81439110650	3221910784102	6.5	6.5	70	31	1	10
81439110660	3221910784119	6.6	6.6	70	31	1	10
81439110670	3221910784126	6.7	6.7	70	31	1	10
81439110680	3221910784133	6.8	6.8	74	34	1	10
81439110690	3221910784140	6.9	6.9	74	34	1	10
81439110700	3221910784157	7	7	74	34	1	10
81439110710	3221910784164	7.1	7.1	74	34	1	10
81439110720	3221910784171	7.2	7.2	74	34	1	10
81439110730	3221910784188	7.3	7.3	74	34	1	10
81439110740	3221910784195	7.4	7.4	74	34	1	10
81439110750	3221910784201	7.5	7.5	74	34	1	10
81439110760	3221910784218	7.6	7.6	79	37	1	10
81439110770	3221910784225	7.7	7.7	79	37	1	10
81439110780	3221910784232	7.8	7.8	79	37	1	10
81439110790	3221910784249	7.9	7.9	79	37	1	10
81439110800	3221910784256	8	8	79	37	1	10
81439110810	3221910784263	8.1	8.1	79	37	1	5
81439110820	3221910784270	8.2	8.2	79	37	1	5
81439110830	3221910784287	8.3	8.3	79	37	1	5
81439110840	3221910784294	8.4	8.4	79	37	1	5
81439110850	3221910784300	8.5	8.5	79	37	1	5
81439110860	3221910784317	8.6	8.6	84	40	1	5
81439110870	3221910784324	8.7	8.7	84	40	1	5
81439110880	3221910784331	8.8	8.8	84	40	1	5
81439110890	3221910784348	8.9	8.9	84	40	1	5
81439110900	3221910784355	9	9	84	40	1	5
81439110910	3221910784362	9.1	9.1	84	40	1	5
81439110920	3221910784379	9.2	9.2	84	40	1	5
81439110930	3221910784386	9.3	9.3	84	40	1	5
81439110940	3221910784393	9.4	9.4	84	40	1	5
81439110950	3221910784409	9.5	9.5	84	40	1	5
81439110960	3221910784416	9.6	9.6	89	43	1	5
81439110970	3221910784423	9.7	9.7	89	43	1	5

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81439110980	3221910784430	9.8	9.8	89	43	1	5
81439110990	3221910784447	9.9	9.9	89	43	1	5
81439111000	3221910784454	10	10	89	43	1	5
81439111010	3221910784461	10.1	10.1	89	43	1	5
81439111020	3221910784478	10.2	10.2	89	43	1	5
81439111030	3221910784485	10.3	10.3	89	43	1	5
81439111040	3221910784492	10.4	10.4	89	43	1	5
81439111050	3221910784508	10.5	10.5	89	43	1	5
81439111060	3221910784515	10.6	10.6	89	43	1	5
81439111070	3221910784522	10.7	10.7	95	47	1	5
81439111080	3221910784539	10.8	10.8	95	47	1	5
81439111090	3221910784546	10.9	10.9	95	47	1	5
81439111100	3221910784553	11	11	95	47	1	5
81439111110	3221910784560	11.1	11.1	95	47	1	5
81439111120	3221910784577	11.2	11.2	95	47	1	5
81439111130	3221910784584	11.3	11.3	95	47	1	5
81439111140	3221910784591	11.4	11.4	95	47	1	5
81439111150	3221910784607	11.5	11.5	95	47	1	5
81439111160	3221910784614	11.6	11.6	95	47	1	5
81439111170	3221910784621	11.7	11.7	95	47	1	5
81439111180	3221910784638	11.8	11.8	95	47	1	5
81439111190	3221910784645	11.9	11.9	102	51	1	5
81439111200	3221910784652	12	12	102	51	1	5
81439111210	3221910784669	12.1	12.1	102	51	1	5
81439111220	3221910784676	12.2	12.2	102	51	1	5
81439111230	3221910784683	12.3	12.3	102	51	1	5
81439111240	3221910784690	12.4	12.4	102	51	1	5
81439111250	3221910784706	12.5	12.5	102	51	1	5
81439111260	3221910784713	12.6	12.6	102	51	1	5
81439111270	3221910784720	12.7	12.7	102	51	1	5
81439111280	3221910784737	12.8	12.8	102	51	1	5
81439111290	3221910784744	12.9	12.9	102	51	1	5
81439111300	3221910784751	13	13	102	51	1	5
81439111350	3221910784768	13.5	13.5	107	54	1	5
81439111400	3221910784775	14	14	107	54	1	5
81439111450	3221910784782	14.5	14.5	111	56	1	5
81439111500	3221910784799	15	15	111	56	1	5
81439111550	3221910784805	15.5	15.5	115	58	1	1
81439111600	3221910784812	16	16	115	58	1	1
81439111650	3221910784829	16.5	16.5	119	60	1	1
81439111700	3221910784836	17	17	119	60	1	1
81439111750	3221910784843	17.5	17.5	123	62	1	1
81439111800	3221910784850	18	18	123	62	1	1
81439111850	3221910784867	18.5	18.5	127	64	1	1
81439111900	3221910784874	19	19	127	64	1	1
81439111950	3221910784881	19.5	19.5	131	66	1	1
81439112000	3221910784898	20	20	131	66	1	1