

**1145611 | TBX metal drill bit HSS-E5 (cobalt 5%) -BLADE coated -DIN338 -h8 -3xd -4 faces**

High perf drill (3xØ) for very fast and intensive drilling of stainless steels thanks to its cobalt substrate and its 4-faces grinding. BLADE coated. Made in France.



- Especially for stainless steel and high-strength steels
- Incredibly fast drilling
- Maximum long life
- Ultra-precise drilling
- Made in France
  
- 4-sided grinding
- 35° type N flute
- 5% cobalt HSS
- 135° tip
- BLADE coating

**Machine**



**Application**

<b>M</b>	<b>P</b> 3	<b>P</b> 5	<b>P</b> 6
M- Stainless steels	P3- strong alloy steels	P5- Ferritic stainless steels	P6- Martenitic stainless steels

**Features**

<b>HSS E5</b>	<b>BLADE COATED</b> Ø3-13mm ONLY	<b>DIN 338</b>	<b>CYL</b>		<b>135°</b>		<b>35°</b>	<b>3xd</b>	<b>h8</b>	<b>ECONOMIE ENERGIE</b> ENERGY SAVING		
<b>BRIGHT UNCOATED</b> Ø < 3 mm												

**Properties and benefits**

- + 4-sided grinding: directly derived from the grinding of monobloc carbide drill bits. Flat cutting and undercutting sides with a constant clearance angle. ➡ Very high stability and excellent precision Particularly well-suited for difficult drilling applications (stainless steel...)
- + 35° type N flute: normal flute profile with a 35° helix angle. ➡ Suitable for strong and difficult materials. Enables finer edge sharpness, for reduced cutting effort.
- + 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.
- + 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.
- + BLADE coating: TiAlN+TiCN base, thickness 2/4µm, hardness 3300HV, coefficient of friction 0.4, heat resistance 700°C. ➡ Thermal shield. Allows you to significantly increase service life, cutting speed, and progress. Reduces the axial load. Especially for stainless steel.



Code	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
11456110100	3221912003485	1	1	34	12		1	10
11456110110	3221912003492	1.1	1.1	36	14		1	10
11456110120	3221912003508	1.2	1.2	38	16		1	10
11456110130	3221912003515	1.3	1.3	38	16		1	10
11456110140	3221912003522	1.4	1.4	40	18		1	10
11456110150	3221912003539	1.5	1.5	40	18		1	10
11456110160	3221912003546	1.6	1.6	43	20		1	10
11456110170	3221912003553	1.7	1.7	43	20		1	10

# 1145611 | TBX metal drill bit HSS-E5 (cobalt 5%) -BLADE coated -DIN338 -h8 -3xd -4 faces

High perf drill (3xØ) for very fast and intensive drilling of stainless steels thanks to its cobalt substrate and its 4-faces grinding. BLADE coated. Made in France.

11456110180	3221912003560	1.8	1.8	46	22	1	10
11456110190	3221912003577	1.9	1.9	46	22	1	10
11456110200	3221912003584	2	2	49	24	1	10
11456110210	3221912003591	2.1	2.1	49	24	1	10
11456110220	3221912003607	2.2	2.2	53	27	1	10
11456110230	3221912003614	2.3	2.3	53	27	1	10
11456110240	3221912003621	2.4	2.4	57	30	1	10
11456110250	3221912003638	2.5	2.5	57	30	1	10
11456110260	3221912003645	2.6	2.6	57	30	1	10
11456110270	3221912003652	2.7	2.7	61	33	1	10
11456110280	3221912003669	2.8	2.8	61	33	1	10
11456110290	3221912003676	2.9	2.9	61	33	1	10
11456110300	3221912003683	3	3	61	33	1	10
11456110310	3221912003690	3.1	3.1	65	36	1	10
11456110320	3221912003706	3.2	3.2	65	36	1	10
11456110330	3221912003713	3.3	3.3	65	36	1	10
11456110340	3221912003720	3.4	3.4	70	39	1	10
11456110350	3221912003737	3.5	3.5	70	39	1	10
11456110360	3221912003744	3.6	3.6	70	39	1	10
11456110370	3221912003751	3.7	3.7	70	39	1	10
11456110380	3221912003768	3.8	3.8	75	43	1	10
11456110390	3221912003775	3.9	3.9	75	43	1	10
11456110400	3221912003782	4	4	75	43	1	10
11456110410	3221912003799	4.1	4.1	75	43	1	10
11456110420	3221912003805	4.2	4.2	75	43	1	10
11456110430	3221912003812	4.3	4.3	80	47	1	10
11456110440	3221912003829	4.4	4.4	80	47	1	10
11456110450	3221912003836	4.5	4.5	80	47	1	10
11456110460	3221912003843	4.6	4.6	80	47	1	10
11456110470	3221912003850	4.7	4.7	80	47	1	10
11456110480	3221912003867	4.8	4.8	86	52	1	10
11456110490	3221912003874	4.9	4.9	86	52	1	10
11456110500	3221912003881	5	5	86	52	1	10
11456110510	3221912003898	5.1	5.1	86	52	1	10
11456110520	3221912003904	5.2	5.2	86	52	1	10
11456110530	3221912003911	5.3	5.3	86	52	1	10
11456110540	3221912003928	5.4	5.4	93	57	1	10
11456110550	3221912003935	5.5	5.5	93	57	1	10
11456110560	3221912003942	5.6	5.6	93	57	1	10
11456110570	3221912003959	5.7	5.7	93	57	1	10
11456110580	3221912003966	5.8	5.8	93	57	1	10
11456110590	3221912003973	5.9	5.9	93	57	1	10
11456110600	3221912003980	6	6	93	57	1	10
11456110610	3221912003997	6.1	6.1	101	63	1	10
11456110620	3221912004000	6.2	6.2	101	63	1	10
11456110630	3221912004017	6.3	6.3	101	63	1	10
11456110640	3221912004024	6.4	6.4	101	63	1	10
11456110650	3221912004031	6.5	6.5	101	63	1	10
11456110660	3221912004048	6.6	6.6	101	63	1	10
11456110670	3221912004055	6.7	6.7	101	63	1	10
11456110680	3221912004062	6.8	6.8	109	69	1	10
11456110690	3221912004079	6.9	6.9	109	69	1	10
11456110700	3221912004086	7	7	109	69	1	10
11456110710	3221912004093	7.1	7.1	109	69	1	10
11456110720	3221912004109	7.2	7.2	109	69	1	10
11456110730	3221912004116	7.3	7.3	109	69	1	10
11456110740	3221912004123	7.4	7.4	109	69	1	10
11456110750	3221912004130	7.5	7.5	109	69	1	10
11456110760	3221912004147	7.6	7.6	117	75	1	10
11456110770	3221912004154	7.7	7.7	117	75	1	10
11456110780	3221912004161	7.8	7.8	117	75	1	10
11456110790	3221912004178	7.9	7.9	117	75	1	10
11456110800	3221912004185	8	8	117	75	1	10
11456110810	3221912004208	8.1	8.1	117	75	1	5
11456110820	3221912004215	8.2	8.2	117	75	1	5

**1145611 | TBX metal drill bit HSS-E5 (cobalt 5%) -BLADE coated -DIN338 -h8 -3xd -4 faces**

High perf drill (3xØ) for very fast and intensive drilling of stainless steels thanks to its cobalt substrate and its 4-faces grinding. BLADE coated. Made in France.

11456110830	3221912004222	8.3	8.3	117	75	1	5
11456110840	3221912004239	8.4	8.4	117	75	1	5
11456110850	3221912004246	8.5	8.5	117	75	1	5
11456110860	3221912004253	8.6	8.6	125	81	1	5
11456110870	3221912004260	8.7	8.7	125	81	1	5
11456110880	3221912004277	8.8	8.8	125	81	1	5
11456110890	3221912004284	8.9	8.9	125	81	1	5
11456110900	3221912004291	9	9	125	81	1	5
11456110910	3221912004307	9.1	9.1	125	81	1	5
11456110920	3221912004314	9.2	9.2	125	81	1	5
11456110930	3221912004321	9.3	9.3	125	81	1	5
11456110940	3221912004338	9.4	9.4	125	81	1	5
11456110950	3221912004345	9.5	9.5	125	81	1	5
11456110960	3221912004352	9.6	9.6	133	87	1	5
11456110970	3221912004369	9.7	9.7	133	87	1	5
11456110980	3221912004376	9.8	9.8	133	87	1	5
11456110990	3221912004383	9.9	9.9	133	87	1	5
11456111000	3221912004390	10	10	133	87	1	5
11456111020	3221912004406	10.2	10.2	133	87	1	5
11456111050	3221912004413	10.5	10.5	133	87	1	5
11456111100	3221912004420	11	11	142	94	1	5
11456111150	3221912004437	11.5	11.5	142	94	1	5
11456111200	3221912004444	12	12	151	101	1	5
11456111250	3221912004451	12.5	12.5	151	101	1	5
11456111300	3221912004468	13	13	151	101	1	5
11456111400	3221912004475	14	12	160	108	1	1
11456111500	3221912004482	15	12	169	114	1	1
11456111600	3221912004499	16	12	178	120	1	1
11456111700	3221912004505	17	12	184	125	1	1
11456111800	3221912004512	18	12	191	130	1	1
11456111900	3221912004529	19	12	198	135	1	1
11456112000	3221912004536	20	12	205	140	1	1