

Fast drill for micro drilling of steel.



- Especially for steels and aluminiums
- Especially for micro-drilling
- Precise drilling
- Compact drill bit
- Made in France

- Conventional point
- 30° type N flute
- High-speed steel
- 118° tip

Machine



Application

N 1	N 3	P 1	P 2
N1- Aluminum alloy	N3- Copper alloy	P1- Unrealized steels	P2- Weakly allied steels

Features

HSS E5	BRIGHT UNCOATED	simDIN 1899	CYL		118°		30°	2xd	h6
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Properties and benefits

- + Conventional grinding: with a standard point sharpening ➡ Simple and robust, for versatile use. Enables good hole precision and wear resistance.
- + 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/mm²
- + 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.



Code	EAN	Ø	d2/CM	L	l	lu	QTY	PCB
81403210015	3221910737238	0.15	1	25	1		1	10
81403210016	3221910737245	0.16	1	25	1.4		1	10
81403210017	3221910737252	0.17	1	25	1.4		1	10
81403210018	3221910737269	0.18	1	25	1.4		1	10
81403210019	3221910737276	0.19	1	25	1.4		1	10
81403210020	3221910737283	0.2	1	25	1.8		1	10
81403210021	3221910737290	0.21	1	25	1.8		1	10
81403210022	3221910737306	0.22	1	25	1.8		1	10
81403210023	3221910737313	0.23	1	25	1.8		1	10
81403210024	3221910737320	0.24	1	25	1.8		1	10
81403210025	3221910737337	0.25	1	25	2.2		1	10
81403210027	3221910737351	0.27	1	25	2.2		1	10
81403210028	3221910737368	0.28	1	25	2.2		1	10
81403210029	3221910737375	0.29	1	25	2.2		1	10
81403210030	3221910737382	0.3	1	25	2.2		1	10
81403210031	3221910737399	0.31	1	25	2.8		1	10

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81403210032	3221910737405	0.32	1	25	2.8	1	10
81403210033	3221910737412	0.33	1	25	2.8	1	10
81403210034	3221910737429	0.34	1	25	2.8	1	10
81403210035	3221910737436	0.35	1	25	2.8	1	10
81403210037	3221910737443	0.37	1	25	2.8	1	10
81403210038	3221910737450	0.38	1	25	2.8	1	10
81403210040	3221910737467	0.4	1	25	3.2	1	10
81403210041	3221910737474	0.41	1	25	3.2	1	10
81403210042	3221910737481	0.42	1	25	3.2	1	10
81403210043	3221910737498	0.43	1	25	3.2	1	10
81403210044	3221910737504	0.44	1	25	3.2	1	10
81403210045	3221910737511	0.45	1	25	3.2	1	10
81403210046	3221910737528	0.46	1	25	3.6	1	10
81403210047	3221910737535	0.47	1	25	3.6	1	10
81403210049	3221910737542	0.49	1	25	3.6	1	10
81403210050	3221910737559	0.5	1	25	3.6	1	10
81403210051	3221910737566	0.51	1.5	25	4	1	10
81403210052	3221910737573	0.52	1.5	25	4	1	10
81403210053	3221910737580	0.53	1.5	25	4	1	10
81403210054	3221910737597	0.54	1.5	25	4	1	10
81403210055	3221910737603	0.55	1.5	25	4	1	10
81403210056	3221910737610	0.56	1.5	25	4.5	1	10
81403210058	3221910737627	0.58	1.5	25	4.5	1	10
81403210059	3221910737634	0.59	1.5	25	4.5	1	10
81403210060	3221910737641	0.6	1.5	25	4.5	1	10
81403210061	3221910737658	0.61	1.5	25	4.7	1	10
81403210062	3221910737665	0.62	1.5	25	4.7	1	10
81403210063	3221910737672	0.63	1.5	25	4.7	1	10
81403210065	3221910737689	0.65	1.5	25	4.7	1	10
81403210068	3221910737702	0.68	1.5	25	5.2	1	10
81403210069	3221910737719	0.69	1.5	25	5.2	1	10
81403210070	3221910737726	0.7	1.5	25	5.2	1	10
81403210071	3221910737733	0.71	1.5	25	5.2	1	10
81403210072	3221910737740	0.72	1.5	25	5.2	1	10
81403210073	3221910737757	0.73	1.5	25	5.2	1	10
81403210074	3221910737764	0.74	1.5	25	5.2	1	10
81403210075	3221910737771	0.75	1.5	25	5.2	1	10
81403210076	3221910737788	0.76	1.5	25	5.5	1	10
81403210077	3221910737795	0.77	1.5	25	5.5	1	10
81403210078	3221910737801	0.78	1.5	25	5.5	1	10
81403210079	3221910737818	0.79	1.5	25	5.5	1	10
81403210080	3221910737825	0.8	1.5	25	5.5	1	10
81403210085	3221910737832	0.85	1.5	25	5.5	1	10
81403210090	3221910737849	0.9	1.5	25	6	1	10
81403210095	3221910737856	0.95	1.5	25	6	1	10
81403210100	3221910737863	1	1.5	25	6.5	1	10
81403210105	3221910737870	1.05	1.5	25	6.5	1	10
81403210110	3221910737887	1.1	1.5	25	7	1	10
81403210120	3221910737894	1.2	1.5	25	7.5	1	10
81403210125	3221910737900	1.25	1.5	25	7.5	1	10
81403210130	3221910737917	1.3	1.5	25	7.5	1	10
81403210135	3221910737924	1.35	1.5	25	8.5	1	10
81403210140	3221910737931	1.4	1.5	25	8.5	1	10
81403210145	3221910737948	1.45	1.5	25	8.5	1	10