

Drill for abrasive materials (2xØ). Good chip evacuation.



- **Versatile use**
- **Special abrasive materials**
- **Compact drill bit**
- **Optimal chip removal**
- **Made in France**

- **4-sided grinding**
- **Cylindrical shank**
- **30° type N flute**
- **118° tip**

Machine



Application

N 1.1	N 1.2	N 1.3	N 1.4.1	N 1.4	N 3	O 1	P 1	P 2
N1-1- Aluminum- Series 1000 Alloy: Pure	N1-2- Aluminum- Series 2000 Alloy: with copper	N1-3- Alloy based on aluminum- series 3000: with manganese	N1-4-1- Aluminum- based alloy-4000 series: Silicon	N1-4- based alloy Aluminum-4000 Series: With Silicon	N3- Copper alloy	O1- Thermoplastics	P1- Inrealized steels	P2- Weakly allied steels

Features



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...)
- + 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.
- + 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	I	lu	QTY	PCB
82402210100	3221910799083	1	1	30	11	1	1	1
82402210110	3221910799090	1.1	1.1	30	11	1	1	1
82402210120	3221910799106	1.2	1.2	30	11	1	1	1
82402210130	3221910799113	1.3	1.3	30	11	1	1	1
82402210140	3221910799120	1.4	1.4	30	11	1	1	1
82402210150	3221910799137	1.5	1.5	30	11	1	1	1
82402210160	3221910799144	1.6	1.6	38	12	1	1	1
82402210170	3221910799151	1.7	1.7	38	12	1	1	1
82402210180	3221910799168	1.8	1.8	38	12	1	1	1
82402210190	3221910799175	1.9	1.9	38	12	1	1	1
82402210200	3221910799182	2	2	38	12	1	1	1
82402210210	3221910799199	2.1	2.1	38	12	1	1	1
82402210220	3221910799205	2.2	2.2	40	13	1	1	1
82402210230	3221910799212	2.3	2.3	40	13	1	1	1

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82402210240	3221910799229	2.4	2.4	43	14	1	1
82402210250	3221910799236	2.5	2.5	43	14	1	1
82402210260	3221910799243	2.6	2.6	43	14	1	1
82402210270	3221910799250	2.7	2.7	46	16	1	1
82402210280	3221910799267	2.8	2.8	46	16	1	1
82402210290	3221910799274	2.9	2.9	46	16	1	1
82402210300	3221910799281	3	3	46	16	1	1
82402210310	3221910799298	3.1	3.1	49	18	1	1
82402210320	3221910799304	3.2	3.2	49	18	1	1
82402210330	3221910799311	3.3	3.3	49	18	1	1
82402210340	3221910799328	3.4	3.4	52	20	1	1
82402210350	3221910799335	3.5	3.5	52	20	1	1
82402210360	3221910799342	3.6	3.6	52	20	1	1
82402210370	3221910799359	3.7	3.7	52	20	1	1
82402210380	3221910799366	3.8	3.8	55	22	1	1
82402210390	3221910799373	3.9	3.9	55	22	1	1
82402210400	3221910799380	4	4	55	22	1	1
82402210410	3221910799397	4.1	4.1	55	22	1	1
82402210420	3221910799403	4.2	4.2	55	22	1	1
82402210430	3221910799410	4.3	4.3	58	24	1	1
82402210440	3221910799427	4.4	4.4	58	24	1	1
82402210450	3221910799434	4.5	4.5	58	24	1	1
82402210460	3221910799441	4.6	4.6	58	24	1	1
82402210470	3221910799458	4.7	4.7	58	24	1	1
82402210480	3221910799465	4.8	4.8	62	26	1	1
82402210490	3221910799472	4.9	4.9	62	26	1	1
82402210500	3221910799489	5	5	62	26	1	1
82402210510	3221910799496	5.1	5.1	62	26	1	1
82402210520	3221910799502	5.2	5.2	62	26	1	1
82402210530	3221910799519	5.3	5.3	62	26	1	1
82402210540	3221910799526	5.4	5.4	66	28	1	1
82402210550	3221910799533	5.5	5.5	66	28	1	1
82402210560	3221910799540	5.6	5.6	66	28	1	1
82402210570	3221910799557	5.7	5.7	66	28	1	1
82402210580	3221910799564	5.8	5.8	66	28	1	1
82402210590	3221910799571	5.9	5.9	66	28	1	1
82402210600	3221910799588	6	6	66	28	1	1
82402210610	3221910799595	6.1	6.1	70	31	1	1
82402210620	3221910799601	6.2	6.2	70	31	1	1
82402210630	3221910799618	6.3	6.3	70	31	1	1
82402210640	3221910799625	6.4	6.4	70	31	1	1
82402210650	3221910799632	6.5	6.5	70	31	1	1
82402210660	3221910799649	6.6	6.6	70	31	1	1
82402210670	3221910799656	6.7	6.7	70	31	1	1
82402210680	3221910799663	6.8	6.8	74	34	1	1
82402210690	3221910799670	6.9	6.9	74	34	1	1
82402210700	3221910799687	7	7	74	34	1	1
82402210710	3221910799694	7.1	7.1	74	34	1	1
82402210720	3221910799700	7.2	7.2	74	34	1	1
82402210730	3221910799717	7.3	7.3	74	34	1	1
82402210740	3221910799724	7.4	7.4	74	34	1	1
82402210750	3221910799731	7.5	7.5	74	34	1	1
82402210760	3221910799748	7.6	7.6	79	37	1	1
82402210770	3221910799755	7.7	7.7	79	37	1	1
82402210780	3221910799762	7.8	7.8	79	37	1	1
82402210790	3221910799779	7.9	7.9	79	37	1	1
82402210800	3221910799786	8	8	79	37	1	1
82402210810	3221910799793	8.1	8.1	79	37	1	1
82402210820	3221910799809	8.2	8.2	79	37	1	1
82402210830	3221910799816	8.3	8.3	79	37	1	1
82402210840	3221910799823	8.4	8.4	79	37	1	1
82402210850	3221910799830	8.5	8.5	79	37	1	1
82402210900	3221910799854	9	9	84	40	1	1
82402210950	3221910799878	9.5	9.5	84	40	1	1
82402211000	3221910799892	10	10	89	43	1	1

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82402211020	3221910799908	10.2	10.2	89	43	1	1
82402211050	3221910799915	10.5	10.5	89	43	1	1
82402211100	3221910799922	11	11	95	47	1	1
82402211150	3221910799939	11.5	11.5	95	47	1	1
82402211200	3221910799946	12	12	102	51	1	1
82402211250	3221910799953	12.5	12.5	102	51	1	1
82402211300	3221910799960	13	13	102	51	1	1
82402211400	3221910799977	14	14	107	54	1	1
82402211600	3221910799991	16	16	115	58	1	1