

Drill bit for drilling steel and cast iron thanks to its self-centring sharpening.



- Especially for steels and aluminiums
- Versatile use
- Automatic centring
- Cylindrical shank
- 30° type N flute
- High-speed steel
- 118° tip



Machine



Application

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

Features

HSS	BRIGHT UNCOATED	DIN 338	CYL		118°		30°	3xd	h8	
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Properties and benefits

- + Split-point grinding:reduction of the drill tip. ➡ Enables the simple self-centring of the drill bit on the smoothest of surfaces. Significantly reduces the required axial load.
- + 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/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
11452010050	3221910837914	0.5	0.5	22	6		1	10
11452010060	3221910837921	0.6	0.6	24	7		1	10
11452010070	3221910837938	0.7	0.7	28	9		1	10
11452010080	3221910837945	0.8	0.8	30	10		1	10
11452010090	3221910837952	0.9	0.9	32	11		1	10
11452010100	3221910837969	1	1	34	12		1	10
11452010110	3221910837976	1.1	1.1	36	14		1	10
11452010120	3221910837983	1.2	1.2	38	16		1	10
11452010130	3221910837990	1.3	1.3	38	16		1	10
11452010140	3221910838003	1.4	1.4	40	18		1	10

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11452010150	3221910838010	1.5	1.5	40	18	1	10
11452010160	3221910838027	1.6	1.6	43	20	1	10
11452010170	3221910838034	1.7	1.7	43	20	1	10
11452010180	3221910838041	1.8	1.8	46	22	1	10
11452010190	3221910838058	1.9	1.9	46	22	1	10
11452010200	3221910838065	2	2	49	24	1	10
11452010210	3221910838072	2.1	2.1	49	24	1	10
11452010220	3221910838089	2.2	2.2	53	27	1	10
11452010230	3221910838096	2.3	2.3	53	27	1	10
11452010240	3221910838102	2.4	2.4	57	30	1	10
11452010250	3221910838119	2.5	2.5	57	30	1	10
11452010260	3221910838126	2.6	2.6	57	30	1	10
11452010270	3221910838133	2.7	2.7	61	33	1	10
11452010280	3221910838140	2.8	2.8	61	33	1	10
11452010290	3221910838157	2.9	2.9	61	33	1	10
11452010300	3221910838164	3	3	61	33	1	10
11452010310	3221910838171	3.1	3.1	65	36	1	10
11452010320	3221910838188	3.2	3.2	65	36	1	10
11452010330	3221910838195	3.3	3.3	65	36	1	10
11452010340	3221910838201	3.4	3.4	70	39	1	10
11452010350	3221910838218	3.5	3.5	70	39	1	10
11452010360	3221910838225	3.6	3.6	70	39	1	10
11452010370	3221910838232	3.7	3.7	70	39	1	10
11452010380	3221910838249	3.8	3.8	75	43	1	10
11452010390	3221910838256	3.9	3.9	75	43	1	10
11452010400	3221910838263	4	4	75	43	1	10
11452010410	3221910838270	4.1	4.1	75	43	1	10
11452010420	3221910838287	4.2	4.2	75	43	1	10
11452010430	3221910838294	4.3	4.3	80	47	1	10
11452010440	3221910838300	4.4	4.4	80	47	1	10
11452010450	3221910838317	4.5	4.5	80	47	1	10
11452010460	3221910838324	4.6	4.6	80	47	1	10
11452010470	3221910838331	4.7	4.7	80	47	1	10
11452010480	3221910838348	4.8	4.8	86	52	1	10
11452010490	3221910838355	4.9	4.9	86	52	1	10
11452010500	3221910838362	5	5	86	52	1	10
11452010510	3221910838379	5.1	5.1	86	52	1	10
11452010520	3221910838386	5.2	5.2	86	52	1	10
11452010530	3221910838393	5.3	5.3	86	52	1	10
11452010540	3221910838409	5.4	5.4	93	57	1	10
11452010550	3221910838416	5.5	5.5	93	57	1	10
11452010560	3221910838423	5.6	5.6	93	57	1	10
11452010570	3221910838430	5.7	5.7	93	57	1	10
11452010580	3221910838447	5.8	5.8	93	57	1	10
11452010590	3221910838454	5.9	5.9	93	57	1	10
11452010600	3221910838461	6	6	93	57	1	10
11452010610	3221910838478	6.1	6.1	101	63	1	10
11452010620	3221910838485	6.2	6.2	101	63	1	10
11452010630	3221910838492	6.3	6.3	101	63	1	10
11452010640	3221910838508	6.4	6.4	101	63	1	10
11452010650	3221910838515	6.5	6.5	101	63	1	10
11452010660	3221910838522	6.6	6.6	101	63	1	10
11452010670	3221910838539	6.7	6.7	101	63	1	10
11452010680	3221910838546	6.8	6.8	109	69	1	10
11452010690	3221910838553	6.9	6.9	109	69	1	10
11452010700	3221910838560	7	7	109	69	1	10
11452010710	3221910838577	7.1	7.1	109	69	1	10
11452010720	3221910838584	7.2	7.2	109	69	1	10
11452010730	3221910838591	7.3	7.3	109	69	1	10
11452010740	3221910838607	7.4	7.4	109	69	1	10
11452010750	3221910838614	7.5	7.5	109	69	1	10
11452010760	3221910838621	7.6	7.6	117	75	1	10
11452010770	3221910838638	7.7	7.7	117	75	1	10
11452010780	3221910838645	7.8	7.8	117	75	1	10
11452010790	3221910838652	7.9	7.9	117	75	1	10

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11452010800	3221910838669	8	8	117	75	1	10
11452010810	3221910838676	8.1	8.1	117	75	1	5
11452010820	3221910838683	8.2	8.2	117	75	1	5
11452010830	3221910838690	8.3	8.3	117	75	1	5
11452010840	3221910838706	8.4	8.4	117	75	1	5
11452010850	3221910838713	8.5	8.5	117	75	1	5
11452010860	3221910838720	8.6	8.6	125	81	1	5
11452010870	3221910838737	8.7	8.7	125	81	1	5
11452010880	3221910838744	8.8	8.8	125	81	1	5
11452010890	3221910838751	8.9	8.9	125	81	1	5
11452010900	3221910838768	9	9	125	81	1	5
11452010910	3221910838775	9.1	9.1	125	81	1	5
11452010920	3221910838782	9.2	9.2	125	81	1	5
11452010930	3221910838799	9.3	9.3	125	81	1	5
11452010940	3221910838805	9.4	9.4	125	81	1	5
11452010950	3221910838812	9.5	9.5	125	81	1	5
11452010960	3221910838829	9.6	9.6	133	87	1	5
11452010970	3221910838836	9.7	9.7	133	87	1	5
11452010980	3221910838843	9.8	9.8	133	87	1	5
11452010990	3221910838850	9.9	9.9	133	87	1	5
11452011000	3221910838867	10	10	133	87	1	5
11452011010	3221910838874	10.1	10.1	133	87	1	5
11452011020	3221910838881	10.2	10.2	133	87	1	5
11452011030	3221910838898	10.3	10.3	133	87	1	5
11452011040	3221910838904	10.4	10.4	133	87	1	5
11452011050	3221910838911	10.5	10.5	133	87	1	5
11452011100	3221910838966	11	11	142	94	1	5
11452011150	3221910839017	11.5	11.5	142	94	1	5
11452011200	3221910839062	12	12	151	101	1	5
11452011250	3221910839116	12.5	12.5	151	101	1	5
11452011300	3221910839161	13	13	151	101	1	5