1501 E Trent Ave
Spokane, WA 99202

Ph: 509.534.0636
Fax: 509.534.1475

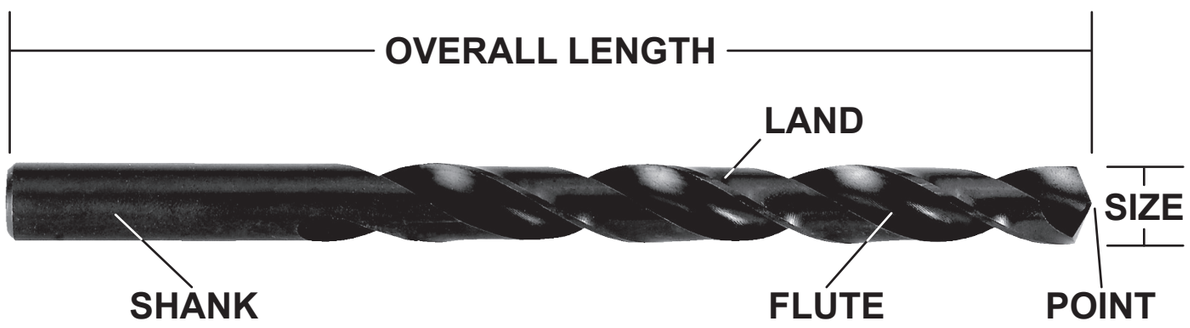
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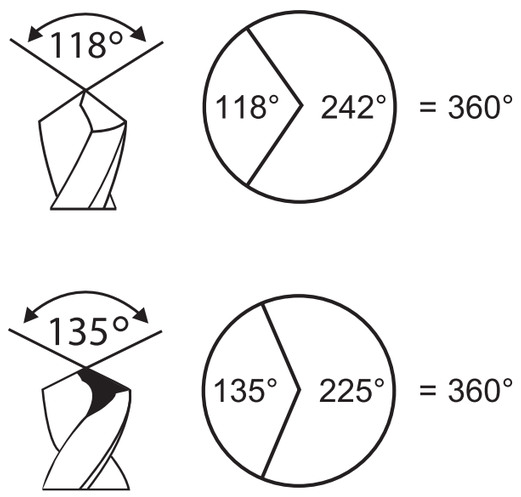
www.empirebolt.com
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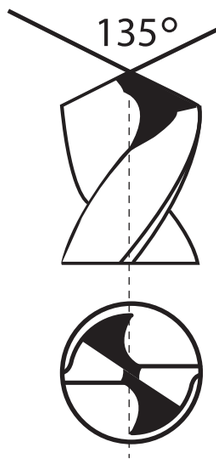
Drilling and Cutting Tools

Jobber Drill Characteristics



Differences In Drill Bit Points





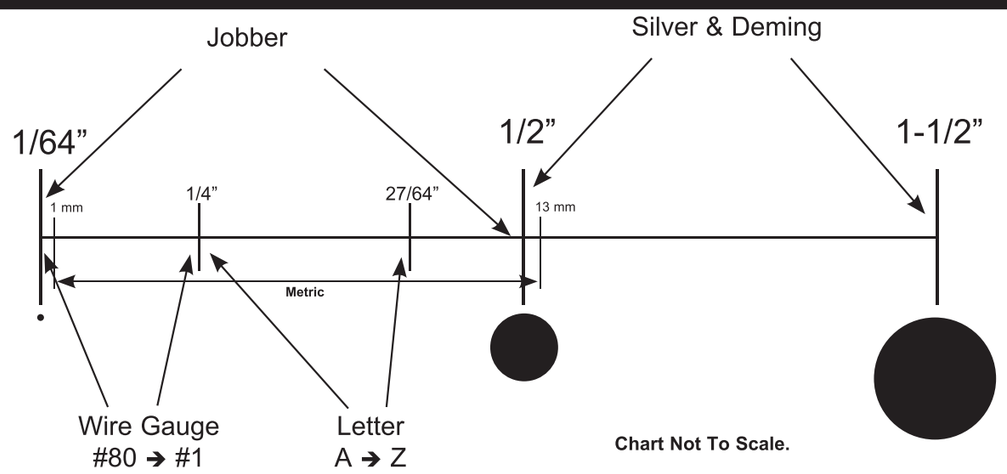
SPLIT POINT

An extra cutting angle on the 2 cutting edges of a drill bit.

Split Point is designated here in black.

Split Pointing is almost always reserved for 135° HSS drill bits.

Drill Bit Diameter Graph



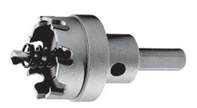
Drill Bit Types

Metal drill bits

Annular cutters



TCT steel plate cutters



Reamers



Taps



Wood spade bits



Ship auger

Bi-Metal blades



Concrete SDS plus



SDS max



Drill Bit Diameter Chart

SIZE	CAT.	DEC.	SIZE	CAT.	DEC.	SIZE	CAT.	DEC.	SIZE	CAT.	DEC.	SIZE	CAT.	DEC.	SIZE	CAT.	DEC.	SIZE	CAT.	DEC.
60	N	0.0400	42	N	0.0935	27	N	0.1440	11	N	0.1910	E	L	0.2500	11/32"	J	0.3438	33/64"	S&D	0.5156	13/16"	S&D	0.8125
59	N	0.0410	3/32"	J	0.0938	26	N	0.1470	10	N	0.1935	F	L	0.2570	S	L	0.3480	17/32"	S&D	0.5312	53/64"	S&D	0.8281
58	N	0.0420	41	N	0.0960	25	N	0.1495	9	N	0.1960	G	L	0.2610	T	L	0.3580	35/64"	S&D	0.5469	27/32"	S&D	0.8438
57	N	0.0430	40	N	0.0980	24	N	0.1520	8	N	0.1990	17/64"	J	0.2656	23/64"	J	0.3594	9/16"	S&D	0.5625	55/64"	S&D	0.8594
56	N	0.0465	39	N	0.0995	23	N	0.1540	7	N	0.2010	H	L	0.2660	U	L	0.3680	37/64"	S&D	0.5781	7/8"	S&D	0.8750
55	N	0.0520	38	N	0.1015	5/32"	J	0.1562	13/64"	J	0.2031	I	L	0.2720	3/8"	J	0.3750	19/32"	S&D	0.5938	57/64"	S&D	0.8906
54	N	0.0550	37	N	0.1040	22	N	0.1570	6	N	0.2040	J	L	0.2770	V	L	0.3770	39/64"	S&D	0.6094	29/32"	S&D	0.9062
53	N	0.0595	36	N	0.1065	21	N	0.1590	5	N	0.2055	K	L	0.2810	W	L	0.3860	5/8"	S&D	0.6250	59/64"	S&D	0.9219
1/16"	J	0.0625	7/64"	J	0.1094	20	N	0.1610	4	N	0.2090	9/32"	J	0.2812	25/64"	J	0.3906	41/64"	S&D	0.6406	15/16"	S&D	0.9375
52	N	0.0635	35	N	0.1100	19	N	0.1660	3	N	0.2130	L	L	0.2900	X	L	0.3970	21/32"	S&D	0.6562	61/64"	S&D	0.9531
51	N	0.0670	34	N	0.1110	18	N	0.1695	7/32"	J	0.2188	M	L	0.2950	Y	L	0.4040	43/64"	S&D	0.6719	31/32"	S&D	0.9688
50	N	0.0700	33	N	0.1130	11/64"	J	0.1719	2	N	0.2210	19/64"	J	0.2969	13/32"	J	0.4062	11/16"	S&D	0.6875	63/64"	S&D	0.9844
49	N	0.0730	32	N	0.1160	17	N	0.1730	1	N	0.2280	N	L	0.3020	Z	L	0.4130	45/64"	S&D	0.7031	1"	S&D	1.0000
48	N	0.0760	31	N	0.1200	16	N	0.1770	A	L	0.2340	5/16"	J	0.3125	27/64"	J	0.4219	23/32"	S&D	0.7188	1-1/16"	S&D	1.0625
5/64"	J	0.0781	1/8"	J	0.1250	15	N	0.1800	15/64"	J	0.2344	O	L	0.3160	7/16"	J	0.4375	47/64"	S&D	0.7344	1-1/8"	S&D	1.1250
47	N	0.0785	30	N	0.1285	14	N	0.1820	B	L	0.2380	P	L	0.3230	29/64"	J	0.4531	3/4"	S&D	0.7500	1-3/16"	S&D	1.1875
46	N	0.0810	29	N	0.1362	13	N	0.1850	C	L	0.2420	21/64"	J	0.3281	15/32"	J	0.4688	49/64"	S&D	0.7656	1-1/4"	S&D	1.2500
45	N	0.0820	28	N	0.1405	3/16"	J	0.1875	D	L	0.2460	Q	L	0.3320	31/64"	J	0.4844	25/32"	S&D	0.7812	1-5/16"	S&D	1.3125
44	N	0.0860	9/64"	J	0.1406	12	N	0.1890	1/4"	J	0.2500	R	L	0.3390	1/2"	J	0.5000	51/64"	S&D	0.7969	1-3/8"	S&D	1.3750
43	N	0.0890																			1-1/2"	S&D	1.5000

CATEGORY (CAT.): N = Number, L = Letter, J = Jobber, S&D = Silver & Deming