

STANDARD DRILL DIMENSIONS



Metric Size Drills (dimensions in mm except decimal inch equivalent))

Drill Size	Decimal Inch Equivalent	<i>Screw Machine Length</i>		<i>Jobbers Length</i>		<i>Taper Length</i>	
		Overall Length	Flute Length	Overall Length	Flute Length	Overall Length	Flute Length
0.2	.0079	19	1.5	19	2.5	—	—
0.22	.0087	19	1.5	19	2.5	—	—
0.25	.0098	19	1.5	19	3	—	—
0.28	.0110	19	1.5	19	3	—	—
0.3	.0118	19	1.5	19	3	—	—
0.32	.0126	19	2	19	4	—	—
0.35	.0138	19	2	19	4	—	—
0.38	.0150	19	2	19	4	—	—
0.4	.0157	19	2.5	20	5	—	—
0.42	.0165	19	2.5	20	5	—	—
0.45	.0177	19	2.5	20	5	—	—
0.48	.0189	19	2.5	20	5	—	—
0.5	.0197	20	3	22	6	—	—
0.52	.0205	20	3	22	6	—	—
0.55	.0217	21	3.5	24	7	—	—
0.58	.0228	21	3.5	24	7	—	—
0.6	.0236	21	3.5	24	7	—	—
0.62	.0244	22	4	26	8	—	—
0.65	.0256	22	4	26	8	—	—
0.68	.0268	23	4.5	28	9	—	—
0.7	.0276	23	4.5	28	9	—	—
0.72	.0283	23	4.5	28	9	—	—
0.75	.0295	23	4.5	28	9	—	—
0.78	.0307	24	5	30	10	—	—
0.8	.0315	24	5	30	10	—	—
0.82	.0322	24	5	30	10	—	—
0.85	.0335	24	5	30	10	—	—
0.88	.0346	25	5.5	32	11	—	—
0.9	.0354	25	5.5	32	11	—	—
0.92	.0362	25	5.5	32	11	—	—
0.95	.0374	25	5.5	32	11	—	—
0.98	.0385	26	6	34	12	—	—
1.0	.0394	26	6	34	12	56	33
1.05	.0413	26	6	34	12	—	—
1.1	.0433	28	7	36	14	60	37
1.15	.0453	28	7	36	14	—	—
1.2	.0472	30	8	38	16	65	41
1.25	.0492	30	8	38	16	—	—
1.3	.0512	30	8	38	16	65	41
1.35	.0531	32	9	40	18	—	—
1.4	.0551	32	9	40	18	70	45
1.45	.0571	32	9	40	18	—	—
1.5	.0591	32	9	40	18	70	45
1.55	.0610	34	10	43	20	—	—
1.6	.0630	34	10	43	20	76	50
1.65	.0650	34	10	43	20	—	—
1.7	.0669	34	10	43	20	76	50
1.75	.0689	36	11	46	22	—	—

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		Overall Length	Flute Length	Overall Length	Flute Length	Overall Length	Flute Length
1.8	.0709	36	11	46	22	80	53
1.85	.0728	36	11	46	22	—	—
1.9	.0748	36	11	46	22	80	53
1.95	.0767	38	12	49	24	—	—
2.0	.0787	38	12	49	24	85	56
2.05	.0807	38	12	49	24	—	—
2.1	.0827	38	12	49	24	85	56
2.15	.0846	40	13	53	27	—	—
2.2	.0866	40	13	53	27	90	59
2.25	.0886	40	13	53	27	—	—
2.3	.0906	40	13	53	27	90	59
2.35	.0925	40	13	53	27	—	—
2.4	.0945	43	14	57	30	95	62
2.45	.0964	43	14	57	30	—	—
2.5	.0984	43	14	57	30	95	62
2.55	.1003	43	14	57	30	—	—
2.6	.1024	43	14	57	30	95	62
2.65	.1043	43	14	57	30	—	—
2.7	.1062	46	16	61	33	100	66
2.75	.1082	46	16	61	33	—	—
2.8	.1102	46	16	61	33	100	66
2.85	.1122	46	16	61	33	—	—
2.9	.1142	46	16	61	33	100	66
2.95	.1161	46	16	61	33	—	—
3.0	.1181	46	16	61	33	100	66
3.1	.1220	49	18	65	36	106	69
3.2	.1260	49	18	65	36	106	69
3.3	.1299	49	18	65	36	106	69
3.4	.1339	52	20	70	39	112	73
3.5	.1378	52	20	70	39	112	73
3.6	.1417	52	20	70	39	112	73
3.7	.1457	52	20	70	39	112	73
3.8	.1496	55	22	75	43	119	78
3.9	.1535	55	22	75	43	119	78
4.0	.1575	55	22	75	43	119	78
4.1	.1614	55	22	75	43	119	78
4.2	.1654	55	22	75	43	119	78
4.3	.1692	58	24	80	47	126	82
4.4	.1732	58	24	80	47	126	82
4.5	.1772	58	24	80	47	126	82
4.6	.1811	58	24	80	47	126	82
4.7	.1850	58	24	80	47	126	82
4.8	.1890	62	26	86	52	132	87
5.0	.1969	62	26	86	52	132	87
5.1	.2008	62	26	86	52	132	87
5.2	.2047	62	26	86	52	132	87
5.3	.2086	62	26	86	52	132	87
5.4	.2125	66	28	93	57	139	91

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		Overall Length	Flute Length	Overall Length	Flute Length	Overall Length	Flute Length
5.5	.2165	66	28	93	57	139	91
5.6	.2205	66	28	93	57	139	91
5.7	.2244	66	28	93	57	139	91
5.8	.2283	66	28	93	57	139	91
5.9	.2322	66	28	93	57	139	91
6.0	.2362	66	28	93	57	139	91
6.1	.2401	70	31	101	63	148	97
6.2	.2440	70	31	101	63	148	97
6.3	.2480	70	31	101	63	148	97
6.4	.2520	70	31	101	63	148	97
6.5	.2559	70	31	101	63	148	97
6.6	.2598	70	31	101	63	148	97
6.7	.2638	70	31	101	63	148	97
6.8	.2677	74	34	109	69	156	102
6.9	.2717	74	34	109	69	156	102
7.0	.2756	74	34	109	69	156	102
7.1	.2795	74	34	109	69	156	102
7.2	.2835	74	34	109	69	156	102
7.3	.2874	74	34	109	69	156	102
7.4	.2913	74	34	109	69	156	102
7.5	.2953	74	34	109	69	156	102
7.6	.2992	79	37	117	75	165	109
7.7	.3031	79	37	117	75	165	109
7.8	.3070	79	37	117	75	165	109
7.9	.3110	79	37	117	75	165	109
8.0	.3150	79	37	117	75	165	109
8.1	.3189	79	37	117	75	165	109
8.2	.3228	79	37	117	75	165	109
8.5	.3346	79	37	117	75	165	109
8.6	.3386	84	40	125	81	175	115
8.7	.3425	84	40	125	81	175	115
8.8	.3464	84	40	125	81	175	115
8.9	.3503	84	40	125	81	175	115
9.0	.3543	84	40	125	81	175	115
9.1	.3582	84	40	125	81	175	115
9.2	.3622	84	40	125	81	175	115
9.3	.3661	84	40	125	81	175	115
9.4	.3700	84	40	125	81	175	115
9.5	.3740	84	40	125	81	175	115
9.6	.3779	89	43	133	87	184	121
9.7	.3817	89	43	133	87	184	121
9.8	.3858	89	43	133	87	184	121
9.9	.3897	89	43	133	87	184	121
10.0	.3937	89	43	133	87	184	121
10.1	.3976	89	43	133	87	184	121
10.2	.4016	89	43	133	87	184	121
10.3	.4055	89	43	133	87	184	121
10.4	.4094	89	43	133	87	184	121

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		Overall Length	Flute Length	Overall Length	Flute Length	Overall Length	Flute Length
10.5	.4134	89	43	133	87	184	121
10.6	.4173	89	43	133	87	184	121
10.7	.4212	95	47	142	94	195	128
10.8	.4252	95	47	142	94	195	128
10.9	.4291	95	47	142	94	195	128
11.0	.4331	95	47	142	94	195	128
11.1	.4370	95	47	142	94	195	128
11.2	.4409	95	47	142	94	195	128
11.3	.4448	95	47	142	94	195	128
11.4	.4488	95	47	142	94	195	128
11.5	.4527	95	47	142	94	195	128
11.6	.4566	95	47	142	94	195	128
11.7	.4606	95	47	142	94	195	128
11.8	.4645	95	47	142	94	195	128
11.9	.4685	102	51	151	101	205	134
12.0	.4724	102	51	151	101	205	134
12.1	.4763	102	51	151	101	205	134
12.2	.4823	102	51	151	101	205	134
12.3	.4842	102	51	151	101	205	134
12.4	.4881	102	51	151	101	205	134
12.5	.4921	102	51	151	101	205	134
12.6	.4960	102	51	151	101	205	134
12.7	.5000	102	51	151	101	205	134
12.8	.5039	102	51	151	101	205	134
12.9	.5078	102	51	151	101	205	134
13.0	.5118	102	51	151	101	205	134
13.1	.5157	102	51	151	101	205	134
13.2	.5197	102	51	151	101	205	134
13.3	.5236	107	54	160	108	214	140
13.4	.5118	107	54	160	108	214	140
13.5	.5315	107	54	160	108	214	140
13.6	.5354	107	54	160	108	214	140
13.7	.5394	107	54	160	108	214	140
13.8	.5433	107	54	160	108	214	140
13.9	.5472	107	54	160	108	214	140
14.0	.5512	107	54	160	108	214	140
14.25	.5610	111	56	169	114	220	144
14.5	.5709	111	56	169	114	220	144
14.75	.5807	111	56	169	114	220	144
15.0	.5906	111	56	169	114	220	144
15.25	.6004	115	58	178	120	227	149
15.5	.6102	115	58	178	120	227	149
15.75	.6201	115	58	178	120	227	149
16.0	.6299	115	58	178	120	227	149
16.5	.6496	119	60	184	125	235	154
17.0	.6693	119	60	184	125	235	154
17.5	.6890	123	62	191	130	241	158
18.0	.7087	123	62	191	130	241	158