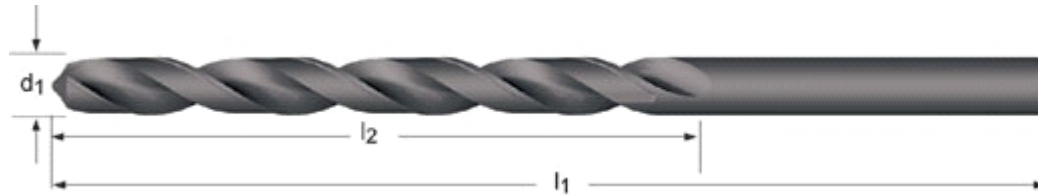
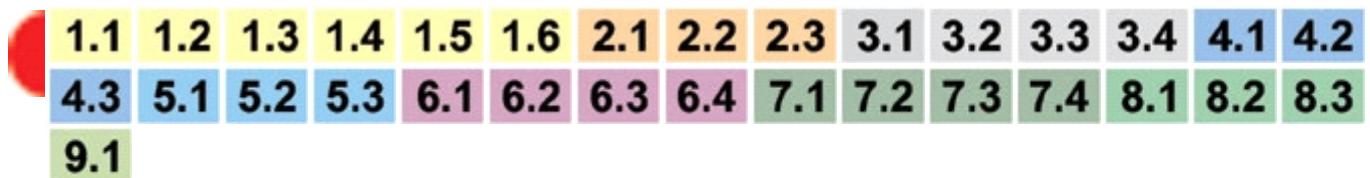


## A110

Long Series Drill



Bright Below 1,0mm, 1/16"



d <sub>1</sub> R <sub>h8</sub> Inch	d <sub>1</sub> R <sub>h8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	e-code	USD
	0.50	0.0197	12	32	A110.5	19.50
	0.60	0.0236	15	35	A110.6	21.50
	0.70	0.0276	21	42	A110.7	19.50
1/32	0.79	0.0313	25	46	A1101/32	9.98
	0.80	0.0315	25	46	A110.8	13.30
	0.90	0.0354	29	51	A110.9	16.00
	1.00	0.0394	33	56	A1101.0	9.65
	1.10	0.0433	37	60	A1101.1	9.25
	1.20	0.0472	41	65	A1101.2	6.65
	1.30	0.0512	41	65	A1101.3	7.84
	1.40	0.0551	45	70	A1101.4	7.84
	1.50	0.0591	45	70	A1101.5	7.20
1/16	1.59	0.0625	50	76	A1101/16	8.22
	1.60	0.0630	50	76	A1101.6	9.02
	1.70	0.0669	50	76	A1101.7	9.02
	1.75	0.0689	53	80	A1101.75	9.02
	1.80	0.0709	53	80	A1101.8	9.02
	1.90	0.0748	53	80	A1101.9	9.02
5/64	1.98	0.0781	56	85	A1105/64	8.50
	2.00	0.0787	56	85	A1102.0	9.81
	2.05	0.0807	56	85	A1102.05	10.40
	2.10	0.0827	56	85	A1102.1	10.90
	2.20	0.0866	59	90	A1102.2	10.90
	2.25	0.0886	59	90	A1102.25	10.40
	2.30	0.0906	59	90	A1102.3	10.90
3/32	2.38	0.0938	62	95	A1103/32	7.93

d <sub>1</sub> R <sub>h</sub> <sub>8</sub> Inch	d <sub>1</sub> R <sub>h</sub> <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	e-code	USD
	2.40	0.0945	62	95	A1102.4	13.70
	2.50	0.0984	62	95	A1102.5	12.20
	2.60	0.1024	62	95	A1102.6	13.25
	2.70	0.1063	66	100	A1102.7	13.25
7/64	2.78	0.1094	66	100	A1107/64	8.62
	2.80	0.1102	66	100	A1102.8	13.55
	2.90	0.1142	66	100	A1102.9	13.55
	3.00	0.1181	66	100	A1103.0	12.70
	3.10	0.1220	69	106	A1103.1	14.05
1/8	3.18	0.1250	69	106	A1101/8	7.81
	3.20	0.1260	69	106	A1103.2	15.40
	3.25	0.1280	69	106	A1103.25	12.00
	3.30	0.1299	69	106	A1103.3	15.40
	3.40	0.1339	73	112	A1103.4	16.25
	3.50	0.1378	73	112	A1103.5	15.40
9/64	3.57	0.1406	73	112	A1109/64	8.11
	3.60	0.1417	73	112	A1103.6	17.15
	3.70	0.1457	73	112	A1103.7	17.15
	3.75	0.1476	73	112	A1103.75	13.05
	3.80	0.1496	78	119	A1103.8	17.15
	3.90	0.1535	78	119	A1103.9	16.25
5/32	3.97	0.1563	78	119	A1105/32	8.38
	4.00	0.1575	78	119	A1104.0	15.40
	4.10	0.1614	78	119	A1104.1	19.10
	4.20	0.1654	78	119	A1104.2	15.40
	4.25	0.1673	78	119	A1104.25	16.50
	4.30	0.1693	82	126	A1104.3	17.15
11/64	4.37	0.1719	82	126	A11011/64	10.25
	4.40	0.1732	82	126	A1104.4	16.25
	4.50	0.1772	82	126	A1104.5	15.40
	4.60	0.1811	82	126	A1104.6	17.15
	4.70	0.1850	82	126	A1104.7	16.25
	4.75	0.1870	82	126	A1104.75	17.45
3/16	4.76	0.1875	87	132	A1103/16	12.00
	4.80	0.1890	87	132	A1104.8	19.20
	4.90	0.1929	87	132	A1104.9	21.85
	5.00	0.1969	87	132	A1105.0	17.95
	5.10	0.2008	87	132	A1105.1	21.85
13/64	5.16	0.2031	87	132	A11013/64	12.70
	5.20	0.2047	87	132	A1105.2	21.85
	5.25	0.2067	87	132	A1105.25	20.80
	5.30	0.2087	87	132	A1105.3	23.25
	5.40	0.2126	91	139	A1105.4	23.25
	5.50	0.2165	91	139	A1105.5	17.95
7/32	5.56	0.2188	91	139	A1107/32	13.85
	5.60	0.2205	91	139	A1105.6	20.00

d <sub>1</sub> R <sub>h</sub> <sub>8</sub> Inch	d <sub>1</sub> R <sub>h</sub> <sub>8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	e-code	USD
	5.70	0.2244	91	139	A1105.7	20.00
	5.75	0.2264	91	139	A1105.75	21.90
	5.80	0.2283	91	139	A1105.8	23.25
	5.90	0.2323	91	139	A1105.9	23.25
15/64	5.95	0.2344	91	139	A11015/64	15.60
	6.00	0.2362	91	139	A1106.0	17.95
	6.10	0.2402	97	148	A1106.1	19.10
	6.20	0.2441	97	148	A1106.2	19.10
	6.25	0.2461	97	148	A1106.25	25.90
	6.30	0.2480	97	148	A1106.3	19.10
1/4	6.35	0.2500	97	148	A1101/4	15.45
	6.40	0.2520	97	148	A1106.4	22.40
	6.50	0.2559	97	148	A1106.5	21.90
	6.60	0.2598	97	148	A1106.6	23.00
	6.70	0.2638	97	148	A1106.7	23.00
17/64	6.75	0.2656	102	156	A11017/64	16.65
	6.75	0.2657	102	156	A1106.75	21.20
	6.80	0.2677	102	156	A1106.8	22.40
	6.90	0.2717	102	156	A1106.9	30.25
	7.00	0.2756	102	156	A1107.0	21.90
	7.10	0.2795	102	156	A1107.1	33.40
9/32	7.14	0.2813	102	156	A1109/32	19.90
	7.20	0.2835	102	156	A1107.2	22.65
	7.25	0.2854	102	156	A1107.25	25.90
	7.30	0.2874	102	156	A1107.3	33.40
	7.40	0.2913	102	156	A1107.4	33.40
	7.50	0.2953	102	156	A1107.5	22.65
	7.60	0.2992	109	165	A1107.6	33.15
	7.70	0.3031	109	165	A1107.7	34.60
	7.75	0.3051	109	165	A1107.75	27.75
	7.80	0.3071	109	165	A1107.8	24.75
	7.90	0.3110	109	165	A1107.9	34.60
5/16	7.94	0.3125	109	165	A1105/16	22.05
	8.00	0.3150	109	165	A1108.0	25.50
	8.10	0.3189	109	165	A1108.1	35.55
	8.20	0.3228	109	165	A1108.2	28.45
	8.25	0.3248	109	165	A1108.25	34.85
	8.30	0.3268	109	165	A1108.3	35.55
	8.40	0.3307	109	165	A1108.4	36.60
	8.50	0.3346	109	165	A1108.5	25.50
	8.60	0.3386	115	175	A1108.6	45.10
	8.70	0.3425	115	175	A1108.7	45.10
11/32	8.73	0.3438	115	175	A11011/32	27.60
	8.75	0.3445	115	175	A1108.75	46.40
	8.80	0.3465	115	175	A1108.8	39.05
	8.90	0.3504	115	175	A1108.9	45.10

d <sub>1</sub> R <sub>h8</sub> Inch	d <sub>1</sub> R <sub>h8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	e-code	USD
	9.00	0.3543	115	175	A1109.0	29.90
	9.10	0.3583	115	175	A1109.1	47.65
	9.20	0.3622	115	175	A1109.2	33.30
	9.25	0.3642	115	175	A1109.25	47.60
	9.30	0.3661	115	175	A1109.3	47.65
	9.40	0.3701	115	175	A1109.4	47.65
	9.50	0.3740	115	175	A1109.5	30.60
3/8	9.52	0.3750	121	184	A1103/8	32.40
	9.60	0.3780	121	184	A1109.6	47.65
	9.70	0.3819	121	184	A1109.7	47.65
	9.75	0.3839	121	184	A1109.75	47.75
	9.80	0.3858	121	184	A1109.8	34.85
	9.90	0.3898	121	184	A1109.9	47.65
	10.00	0.3937	121	184	A11010.0	31.20
	10.10	0.3976	121	184	A11010.1	60.50
	10.20	0.4016	121	184	A11010.2	32.05
	10.25	0.4035	121	184	A11010.25	50.40
	10.30	0.4055	121	184	A11010.3	32.95
13/32	10.32	0.4063	121	184	A11013/32	38.45
	10.50	0.4134	121	184	A11010.5	33.75
	10.75	0.4232	128	195	A11010.75	51.40
	10.80	0.4252	128	195	A11010.8	58.30
	11.00	0.4331	128	195	A11011.0	34.35
7/16	11.11	0.4375	128	195	A1107/16	45.40
	11.25	0.4429	128	195	A11011.25	70.10
	11.40	0.4488	128	195	A11011.4	75.70
	11.50	0.4528	128	195	A11011.5	38.15
	11.75	0.4626	128	195	A11011.75	62.60
	12.00	0.4724	134	205	A11012.0	42.15
	12.10	0.4764	134	205	A11012.1	83.00
	12.25	0.4823	134	205	A11012.25	75.70
	12.50	0.4921	134	205	A11012.5	42.15
1/2	12.70	0.5000	134	205	A1101/2	59.20
	13.00	0.5118	134	205	A11013.0	59.70
17/32	13.49	0.5313	140	214	A11017/32	80.60
	13.50	0.5315	140	214	A11013.5	67.30
	14.00	0.5512	140	214	A11014.0	62.90
9/16	14.29	0.5625	144	220	A1109/16	89.80
	14.50	0.5709	144	220	A11014.5	78.70
	15.00	0.5906	144	220	A11015.0	78.70
	15.50	0.6102	149	227	A11015.5	81.60
5/8	15.88	0.6250	149	227	A1105/8	117.00
	16.00	0.6299	149	227	A11016.0	92.70
	16.50	0.6496	154	235	A11016.5	92.70
	17.00	0.6693	154	235	A11017.0	109.00
11/16	17.46	0.6875	158	241	A11011/16	147.00

d <sub>1</sub> R <sub>h8</sub> Inch	d <sub>1</sub> R <sub>h8</sub> mm	d <sub>1</sub> decimal Inch	l <sub>2</sub> mm	l <sub>1</sub> mm	e-code	USD
	17.50	0.6890	158	241	A11017.5	117.00
	18.00	0.7087	158	241	A11018.0	117.00
	18.50	0.7283	162	247	A11018.5	133.00
	19.00	0.7480	162	247	A11019.0	127.00
3/4	19.05	0.7500	166	254	A1103/4	176.00
	19.50	0.7677	166	254	A11019.5	137.00
	20.00	0.7874	166	254	A11020.0	147.00
	21.00	0.8268	171	261	A11021.0	157.00
	22.00	0.8661	176	268	A11022.0	158.00
7/8	22.22	0.8750	176	268	A1107/8	244.00
15/16	23.81	0.9375	185	282	A11015/16	271.00
1"	25.40	1.0000	190	290	A1101	294.00