

WIRE GAUGE CHART

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Diameter mm	Diameter Inches	Cross Sectional Area mm ²	SWG	BWG or Stubs*	W & M	AWG or B & S	No. or Letter Drill	Inch Fraction Drill
7.5	0.2953	44.18					M	
7.4	0.2913	43					L	
7.348	0.2893	42.41				1		
7.2136	0.284	40.87		2				
7.188	0.283	40.58			1			
7.142	0.2812	40.07					K	9/32
7.01	0.276	38.59	2					
7	0.2756	38.48					J	
6.9	0.2717	37.39					I	
6.746	0.2656	35.74					H	17/64
6.667	0.2625	34.92			2			
6.6	0.2598	34.21					G	
6.579	0.259	33.99		3				
6.543	0.2576	33.62				2		
6.5	0.2559	33.18					F	
6.4	0.252	32.17	3					
6.35	0.25	31.67					E	1/4
6.2	0.2441	30.19					D	
6.19	0.2437	30.09			3			
6.1	0.2402	29.22					C	
6.045	0.238	28.7		4				
6	0.2362	29.27					B	
5.94	0.2344	27.84					A	15/64
5.89	0.232	27.25	4					
5.827	0.2294	26.66				3		
5.8	0.2283	26.42					1	
5.723	0.2253	25.72			4			
5.588	0.22	24.52		5			2	
5.55625	0.21875	24.246						7/32
5.38	0.212	22.73	5				3	
5.3	0.2087	22.06					4	
5.258	0.207	21.71			5			
5.2	0.2047	21.237					5 or 6*	
5.189	0.2043	21.15				4		
5.156	0.203	20.88		6				13/64
5.1	0.2008	20.428					7 or 8*	
5	0.1968	19.635					9	
4.9	0.1929	18.857					10 or 11*	
4.88	0.192	18.7	6		6			
4.8	0.189	18.095					11	
4.7625	0.1875	17.81						3/16
4.7	0.185	17.349					13	
4.62	0.1819	16.76385				5	14	
4.572	0.18	16.42		7			15	
4.496	0.177	15.875			7		16	
4.47	0.176	15.69	7					
4.4	0.1732	15.2					17	
4.366	0.1719	14.97						11/64

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4.3	0.1693	14.52					18	
4.19	0.165	13.795		8			19	
4.115	0.162	13.298			8	6		
4.1	0.1614	13.2					20	
4.06	0.16	12.95	8					
4	0.1575	12.566					21 or 22*	
3.969	0.15625	12.37						5/32
3.9	0.1535	11.946					23 or 24*	
3.8	0.1496	11.34					25	
3.76	0.148	11.099		9	9			
3.7338	0.147	10.949					26	
3.66	0.144	10.52	9			7		
3.57	0.1406	10.02					28	9/64
3.5	0.1378	9.62					29	
3.429	0.135	9.23			10			
3.4	0.134	9.098		10				
3.3	0.1299	8.553					30	
3.25	0.128	8.296	10			8		
3.175	0.125	7.917						1/8
3.048	0.12	7.2966		11	11			
3	0.1181	7.068					31	
2.95	0.116	6.835	11				32	
2.9	0.1144	6.63				9		
2.85	0.1122	6.379					33	
2.8	0.1102	6.153					34 or 35*	
2.769	0.109	6.02		12				7/64
2.7	0.1063	5.725					36	
2.68	0.1055	5.64			12			
2.64	0.104	5.474	12				37	
2.6	0.1024	5.31					38	
2.586	0.1018	5.25				10		
2.55	0.1004	5.1					39	
2.5	0.0984	4.9					40	
2.45	0.0965	4.71					41	
2.413	0.095	4.573		13				
2.38	0.0938	4.458					42	3/32
2.34	0.092	4.3	13					
2.324	0.0915	4.242			13			
2.3	0.0907	4.168				11		
2.257	0.08885	4					43	
2.2	0.0866	3.8					44	
2.108	0.083	3.49		14				
2.1	0.0827	3.46					45	
2.05	0.0807	3.3					46	
2.03	0.08	3.237	14		14	12		
2	0.0787	3.14159					47	
1.98	0.0781	3.09						5/64
1.95	0.0768	2.986					48	

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1.85	0.0728	2.688					49	
1.83	0.072	2.63	15	15	15	13		
1.784	0.0702	2.5					50	
1.7	0.0669	2.269					51	
1.651	0.065	2.14		16				
1.63	0.064	2.086	16			14		
1.6	0.063	2.011					52	
1.5875	0.0625	1.98			16			1/16
1.5	0.059	1.767					53	
1.473	0.058	1.7		17				
1.448	0.057	1.646				15		
1.42	0.056	1.584	17					
1.4	0.055	1.539					54	
1.382	0.0544	1.5			17			
1.3	0.0512	1.327					55	
1.29	0.0508	1.3				16		
1.2446	0.049	1.2166		18				
1.22	0.048	1.169	18					
1.2065	0.0475	1.143			18			
1.181	0.0465	1.0956					56	3/64
1.148	0.0452	1.035				17		
1.128	0.0444	1						
1.1	0.0433	0.95					57	
1.067	0.042	0.8938		19			58	
1.041	0.041	0.852			19		59	
1.02	0.04	0.8171	19			18	60	
1	0.0394	0.787					61	
0.98	0.0386	0.754					62	
0.95	0.0374	0.709					63	
0.9144	0.036	0.6567	20			19	64	
0.889	0.035	0.6207		20			65	
0.9652	0.0348	0.732			20			
0.85	0.0335	0.569					66	
0.813	0.032	0.519	21	21			67	
0.81	0.0319	0.5156			21	20		
0.79	0.0312	0.49					68	1/32
0.75	0.0295	0.442					69	
0.71112	0.028	0.3973	22	22	22	21	70	
0.66	0.026	0.3425			23		71	
0.635	0.025	0.3167		23		22	72	
0.61	0.024	0.2922	23				73	
0.579	0.0228	0.2634			24		74	
0.5715	0.0225	0.2565				23		
0.5588	0.022	0.2453	24	24				
0.52	0.0205	0.21237					75	
0.508	0.02	0.2027	25	25	25	24	76	
0.4572	0.018	0.16417	26	26	26			
0.45466	0.0179	0.162354				25		

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0.45	0.0177	0.159					77	
0.44168	0.01739	0.1532				25.25		
0.439	0.0173	0.152			27			
0.42906	0.01689	0.14458				25.5		
0.417	0.0164	0.1366	27		28	25.75		
0.406	0.016	0.1297		27				
0.40386	0.0159	0.1281				26		
0.3988	0.0157	0.1249					78	
0.396	0.0156	0.1232						1/64
0.39332	0.01549	0.1215				26.25		
0.38209	0.01504	0.11466				26.5		
0.378	0.0149	0.111			29		79	
0.3759	0.0148	0.1109	28					
0.37117	0.01461	0.1082				26.75		
0.36068	0.0142	0.10215				27		
0.3569	0.01405	0.1		28	30			
0.35027	0.01379	0.09636				27.25		
0.345	0.0136	0.0935	29				80	
0.34026	0.0134	0.09093				27.5		
0.33	0.013	0.0856		29	31	27.75		
0.325	0.0128	0.083			32			
0.32	0.0126	0.0805				28		
0.315	0.0124	0.07791	30					
0.31192	0.01228	0.07641				28.25		
0.3048	0.012	0.073		30				
0.30301	0.01193	0.07211				28.5		
0.2998	0.0118	0.7055			33			
0.295	0.0116	0.06835	31			28.75		
0.287	0.0113	0.064696				29		
0.27777	0.01094	0.060598				29.25		
0.2743	0.0108	0.0591	32					
0.26984	0.01062	0.05719				29.5		
0.2641	0.0104	0.0548			34			
0.26213	0.01032	0.053966				29.75		
0.254	0.01	0.05067	33	31		30		
0.24736	0.00974	0.04805				30.25		
0.2413	0.0095	0.04573			35			
0.2403	0.00946	0.45352				30.5		
0.2337	0.0092	0.04289	34			30.75		
0.226	0.0089	0.0401		32	36	31		
0.22028	0.00867	0.0381				31.25		
0.213	0.0084	0.03563	35		37	31.5		
0.20788	0.00818	0.03394				31.75		
0.2032	0.008	0.03243				32		
0.2	0.0079	0.03162		33	38			
0.19617	0.00772	0.03022				32.25		
0.193	0.0076	0.02927	36		39			
0.19056	0.0075	0.2852				32.5		

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0.0157	0.00062	0.000195				54		
0.014	0.00055	0.000153				55		
0.0125	0.00049	0.000122				56		