

AWG AR Imperial

AWG	Wire	1/64"	1/32"	3/64"	1/16"	5/64"	3/32"	7/64"	1/8"	9/64"	5/32"	11/64"
Gauge	Diameter	0.01562	0.03125	0.04688	0.06250	0.07813	0.09375	0.10938	0.12500	0.14063	0.15625	0.17188
10	0.10190	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.7
11	0.09070	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.6	1.7	1.9
12	0.08080	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.5	1.7	1.9	2.1
13	0.07200	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2	2.4
14	0.06410	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.2	2.4	2.7
15	0.05710	0.3	0.5	0.8	1.1	1.4	1.6	1.9	2.2	2.5	2.7	3.0
16	0.05080	0.3	0.6	0.9	1.2	1.5	1.8	2.2	2.5	2.8	3.1	3.4
17	0.04530	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	3.4	3.8
18	0.04030	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.5	3.9	4.3
19	0.03590	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.5	3.9	4.4	4.8
20	0.03200	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.4	4.9	5.4
21	0.02850	0.5	1.1	1.6	2.2	2.7	3.3	3.8	4.4	4.9	5.5	6.0
22	0.02530	0.6	1.2	1.9	2.5	3.1	3.7	4.3	4.9	5.6	6.2	6.8
23	0.02260	0.7	1.4	2.1	2.8	3.5	4.1	4.8	5.5	6.2	6.9	7.6
24	0.02010	0.8	1.6	2.3	3.1	3.9	4.7	5.4	6.2	7.0	7.8	8.6
25	0.01790	0.9	1.7	2.6	3.5	4.4	5.2	6.1	7.0	7.9	8.7	9.6
26	0.01590	1.0	2.0	2.9	3.9	4.9	5.9	6.9	7.9	8.8	9.8	10.8
27	0.01420	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.8	9.9	11.0	12.1
28	0.01260	1.2	2.5	3.7	5.0	6.2	7.4	8.7	9.9	11.2	12.4	13.6
29	0.01130	1.4	2.8	4.1	5.5	6.9	8.3	9.7	11.1	12.4	13.8	15.2
30	0.01000	1.6	3.1	4.7	6.3	7.8	9.4	10.9	12.5	14.1	15.6	17.2

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AWG	3/16"	13/64"	7/32"	15/64"	1/4"	17/64"	9/32"	19/64"	5/16"	21/64"	11/32"	23/64"
Gauge	0.18750	0.20313	0.21875	0.23438	0.25000	0.26563	0.28125	0.29688	0.31250	0.32813	0.34375	0.35938
10	1.8	2.0	2.1	2.3	2.5	2.6	2.8	2.9	3.1	3.2	3.4	3.5
11	2.1	2.2	2.4	2.6	2.8	2.9	3.1	3.3	3.4	3.6	3.8	4.0
12	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.4
13	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.0
14	2.9	3.2	3.4	3.7	3.9	4.1	4.4	4.6	4.9	5.1	5.4	5.6
15	3.3	3.6	3.8	4.1	4.4	4.7	4.9	5.2	5.5	5.7	6.0	6.3
16	3.7	4.0	4.3	4.6	4.9	5.2	5.5	5.8	6.2	6.5	6.8	7.1
17	4.1	4.5	4.8	5.2	5.5	5.9	6.2	6.6	6.9	7.2	7.6	7.9
18	4.7	5.0	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.1	8.5	8.9
19	5.2	5.7	6.1	6.5	7.0	7.4	7.8	8.3	8.7	9.1	9.6	10.0
20	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.7	11.2
21	6.6	7.1	7.7	8.2	8.8	9.3	9.9	10.4	11.0	11.5	12.1	12.6
22	7.4	8.0	8.6	9.3	9.9	10.5	11.1	11.7	12.4	13.0	13.6	14.2
23	8.3	9.0	9.7	10.4	11.1	11.8	12.4	13.1	13.8	14.5	15.2	15.9
24	9.3	10.1	10.9	11.7	12.4	13.2	14.0	14.8	15.5	16.3	17.1	17.9
25	10.5	11.3	12.2	13.1	14.0	14.8	15.7	16.6	17.5	18.3	19.2	20.1
26	11.8	12.8	13.8	14.7	15.7	16.7	17.7	18.7	19.7	20.6	21.6	22.6
27	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0	23.1	24.2	25.3
28	14.9	16.1	17.4	18.6	19.8	21.1	22.3	23.6	24.8	26.0	27.3	28.5
29	16.6	18.0	19.4	20.7	22.1	23.5	24.9	26.3	27.7	29.0	30.4	31.8
30	18.8	20.3	21.9	23.4	25.0	26.6	28.1	29.7	31.3	32.8	34.4	35.9

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AWG	3/8"	25/64"	13/32"	27/64"	7/16"	29/64"	15/32"	31/64"	1/2"	17/32"	35/64"	9/16"
Gauge	0.37500	0.39063	0.40625	0.42188	0.43750	0.45313	0.46875	0.48438	0.50000	0.53125	0.54688	0.56250
10	3.7	3.8	4.0	4.1	4.3	4.4	4.6	4.8	4.9	5.2	5.4	5.5
11	4.1	4.3	4.5	4.7	4.8	5.0	5.2	5.3	5.5	5.9	6.0	6.2
12	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.6	6.8	7.0
13	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.4	7.6	7.8
14	5.9	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.3	8.5	8.8
15	6.6	6.8	7.1	7.4	7.7	7.9	8.2	8.5	8.8	9.3	9.6	9.9
16	7.4	7.7	8.0	8.3	8.6	8.9	9.2	9.5	9.8	10.5	10.8	11.1
17	8.3	8.6	9.0	9.3	9.7	10.0	10.3	10.7	11.0	11.7	12.1	12.4
18	9.3	9.7	10.1	10.5	10.9	11.2	11.6	12.0	12.4	13.2	13.6	14.0
19	10.4	10.9	11.3	11.8	12.2	12.6	13.1	13.5	13.9	14.8	15.2	15.7
20	11.7	12.2	12.7	13.2	13.7	14.2	14.6	15.1	15.6	16.6	17.1	17.6
21	13.2	13.7	14.3	14.8	15.4	15.9	16.4	17.0	17.5	18.6	19.2	19.7
22	14.8	15.4	16.1	16.7	17.3	17.9	18.5	19.1	19.8	21.0	21.6	22.2
23	16.6	17.3	18.0	18.7	19.4	20.1	20.7	21.4	22.1	23.5	24.2	24.9
24	18.7	19.4	20.2	21.0	21.8	22.5	23.3	24.1	24.9	26.4	27.2	28.0
25	20.9	21.8	22.7	23.6	24.4	25.3	26.2	27.1	27.9	29.7	30.6	31.4
26	23.6	24.6	25.6	26.5	27.5	28.5	29.5	30.5	31.4	33.4	34.4	35.4
27	26.4	27.5	28.6	29.7	30.8	31.9	33.0	34.1	35.2	37.4	38.5	39.6
28	29.8	31.0	32.2	33.5	34.7	36.0	37.2	38.4	39.7	42.2	43.4	44.6
29	33.2	34.6	36.0	37.3	38.7	40.1	41.5	42.9	44.2	47.0	48.4	49.8
30	37.5	39.1	40.6	42.2	43.8	45.3	46.9	48.4	50.0	53.1	54.7	56.3

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AWG	37/64"	19/32"	39/64"	5/8"	41/64"	21/32"	43/64"	11/16"	45/64"	23/32"	47/64"	3/4"
Gauge	0.57813	0.59375	0.60938	0.62500	0.64063	0.65625	0.67188	0.68750	0.70313	0.71875	0.73438	0.75000
10	5.7	5.8	6.0	6.1	6.3	6.4	6.6	6.7	6.9	7.1	7.2	7.4
11	6.4	6.5	6.7	6.9	7.1	7.2	7.4	7.6	7.8	7.9	8.1	8.3
12	7.2	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3
13	8.0	8.2	8.5	8.7	8.9	9.1	9.3	9.5	9.8	10.0	10.2	10.4
14	9.0	9.3	9.5	9.8	10.0	10.2	10.5	10.7	11.0	11.2	11.5	11.7
15	10.1	10.4	10.7	10.9	11.2	11.5	11.8	12.0	12.3	12.6	12.9	13.1
16	11.4	11.7	12.0	12.3	12.6	12.9	13.2	13.5	13.8	14.1	14.5	14.8
17	12.8	13.1	13.5	13.8	14.1	14.5	14.8	15.2	15.5	15.9	16.2	16.6
18	14.3	14.7	15.1	15.5	15.9	16.3	16.7	17.1	17.4	17.8	18.2	18.6
19	16.1	16.5	17.0	17.4	17.8	18.3	18.7	19.2	19.6	20.0	20.5	20.9
20	18.1	18.6	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	22.9	23.4
21	20.3	20.8	21.4	21.9	22.5	23.0	23.6	24.1	24.7	25.2	25.8	26.3
22	22.9	23.5	24.1	24.7	25.3	25.9	26.6	27.2	27.8	28.4	29.0	29.6
23	25.6	26.3	27.0	27.7	28.3	29.0	29.7	30.4	31.1	31.8	32.5	33.2
24	28.8	29.5	30.3	31.1	31.9	32.6	33.4	34.2	35.0	35.8	36.5	37.3
25	32.3	33.2	34.0	34.9	35.8	36.7	37.5	38.4	39.3	40.2	41.0	41.9
26	36.4	37.3	38.3	39.3	40.3	41.3	42.3	43.2	44.2	45.2	46.2	47.2
27	40.7	41.8	42.9	44.0	45.1	46.2	47.3	48.4	49.5	50.6	51.7	52.8
28	45.9	47.1	48.4	49.6	50.8	52.1	53.3	54.6	55.8	57.0	58.3	59.5
29	51.2	52.5	53.9	55.3	56.7	58.1	59.5	60.8	62.2	63.6	65.0	66.4
30	57.8	59.4	60.9	62.5	64.1	65.6	67.2	68.8	70.3	71.9	73.4	75.0

AWG AR Imperial

AWG	49/64"	25/32"	51/64"	13/16"	53/64"	27/32"	55/64"	7/8"	57/64"	29/32"	59/64"	15/16"
Gauge	0.76563	0.78125	0.79688	0.81250	0.82813	0.84375	0.85938	0.87500	0.89063	0.90625	0.92188	0.93750
10	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0	9.2
11	8.4	8.6	8.8	9.0	9.1	9.3	9.5	9.6	9.8	10.0	10.2	10.3
12	9.5	9.7	9.9	10.1	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6
13	10.6	10.9	11.1	11.3	11.5	11.7	11.9	12.2	12.4	12.6	12.8	13.0
14	11.9	12.2	12.4	12.7	12.9	13.2	13.4	13.7	13.9	14.1	14.4	14.6
15	13.4	13.7	14.0	14.2	14.5	14.8	15.1	15.3	15.6	15.9	16.1	16.4
16	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.5
17	16.9	17.2	17.6	17.9	18.3	18.6	19.0	19.3	19.7	20.0	20.4	20.7
18	19.0	19.4	19.8	20.2	20.5	20.9	21.3	21.7	22.1	22.5	22.9	23.3
19	21.3	21.8	22.2	22.6	23.1	23.5	23.9	24.4	24.8	25.2	25.7	26.1
20	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.3	27.8	28.3	28.8	29.3
21	26.9	27.4	28.0	28.5	29.1	29.6	30.2	30.7	31.3	31.8	32.3	32.9
22	30.3	30.9	31.5	32.1	32.7	33.3	34.0	34.6	35.2	35.8	36.4	37.1
23	33.9	34.6	35.3	36.0	36.6	37.3	38.0	38.7	39.4	40.1	40.8	41.5
24	38.1	38.9	39.6	40.4	41.2	42.0	42.8	43.5	44.3	45.1	45.9	46.6
25	42.8	43.6	44.5	45.4	46.3	47.1	48.0	48.9	49.8	50.6	51.5	52.4
26	48.2	49.1	50.1	51.1	52.1	53.1	54.0	55.0	56.0	57.0	58.0	59.0
27	53.9	55.0	56.1	57.2	58.3	59.4	60.5	61.6	62.7	63.8	64.9	66.0
28	60.8	62.0	63.2	64.5	65.7	67.0	68.2	69.4	70.7	71.9	73.2	74.4
29	67.8	69.1	70.5	71.9	73.3	74.7	76.1	77.4	78.8	80.2	81.6	83.0
30	76.6	78.1	79.7	81.3	82.8	84.4	85.9	87.5	89.1	90.6	92.2	93.8

AWG AR Imperial

AWG	61/64"	31/32"	63/64"	1"
Gauge	0.95313	0.96875	0.98438	1.00000
10	9.4	9.5	9.7	9.8
11	10.5	10.7	10.9	11.0
12	11.8	12.0	12.2	12.4
13	13.2	13.5	13.7	13.9
14	14.9	15.1	15.4	15.6
15	16.7	17.0	17.2	17.5
16	18.8	19.1	19.4	19.7
17	21.0	21.4	21.7	22.1
18	23.7	24.0	24.4	24.8
19	26.5	27.0	27.4	27.9
20	29.8	30.3	30.8	31.3
21	33.4	34.0	34.5	35.1
22	37.7	38.3	38.9	39.5
23	42.2	42.9	43.6	44.2
24	47.4	48.2	49.0	49.8
25	53.2	54.1	55.0	55.9
26	59.9	60.9	61.9	62.9
27	67.1	68.2	69.3	70.4
28	75.6	76.9	78.1	79.4
29	84.3	85.7	87.1	88.5
30	95.3	96.9	98.4	100.0