

SWG 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	0.1280	0.1	0.2	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.2	1.3
11	0.1160	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3	1.5
12	0.1040	0.2	0.3	0.5	0.6	0.8	0.9	1.1	1.2	1.4	1.5	1.7
13	0.0920	0.2	0.3	0.5	0.7	0.8	1.0	1.2	1.4	1.5	1.7	1.9
14	0.0800	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	2.1
15	0.0720	0.2	0.4	0.7	0.9	1.1	1.3	1.5	1.7	2.0	2.2	2.4
16	0.0640	0.2	0.5	0.7	1.0	1.2	1.5	1.7	2.0	2.2	2.4	2.7
17	0.0560	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.8	3.1
18	0.0480	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.3	3.6
19	0.0400	0.4	0.8	1.2	1.6	2.0	2.3	2.7	3.1	3.5	3.9	4.3
20	0.0360	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.5	3.9	4.3	4.8
21	0.0320	0.5	1.0	1.5	2.0	2.4	2.9	3.4	3.9	4.4	4.9	5.4
22	0.0280	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.5	5.0	5.6	6.1
23	0.0240	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.9	6.5	7.2
24	0.0220	0.7	1.4	2.1	2.8	3.6	4.3	5.0	5.7	6.4	7.1	7.8
25	0.0200	0.8	1.6	2.3	3.1	3.9	4.7	5.5	6.3	7.0	7.8	8.6
26	0.0180	0.9	1.7	2.6	3.5	4.3	5.2	6.1	6.9	7.8	8.7	9.5
27	0.0164	1.0	1.9	2.9	3.8	4.8	5.7	6.7	7.6	8.6	9.5	10.5
28	0.0148	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.5	10.6	11.6
29	0.0136	1.1	2.3	3.4	4.6	5.7	6.9	8.0	9.2	10.3	11.5	12.6
30	0.0124	1.3	2.5	3.8	5.0	6.3	7.6	8.8	10.1	11.3	12.6	13.9

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<b>AWG</b>	<b>3/16"</b>	<b>13/64"</b>	<b>7/32"</b>	<b>15/64"</b>	<b>1/4"</b>	<b>17/64"</b>	<b>9/32"</b>	<b>19/64"</b>	<b>5/16"</b>	<b>21/64"</b>	<b>11/32"</b>	<b>23/64"</b>
<b>Gauge</b>	<b>0.18750</b>	<b>0.20313</b>	<b>0.21875</b>	<b>0.23438</b>	<b>0.25000</b>	<b>0.26563</b>	<b>0.28125</b>	<b>0.29688</b>	<b>0.31250</b>	<b>0.32813</b>	<b>0.34375</b>	<b>0.35938</b>
<b>10</b>	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4	2.6	2.7	2.8
<b>11</b>	1.6	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	3.0	3.1
<b>12</b>	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.9	3.0	3.2	3.3	3.5
<b>13</b>	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.2	3.4	3.6	3.7	3.9
<b>14</b>	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5
<b>15</b>	2.6	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.6	4.8	5.0
<b>16</b>	2.9	3.2	3.4	3.7	3.9	4.2	4.4	4.6	4.9	5.1	5.4	5.6
<b>17</b>	3.3	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.6	5.9	6.1	6.4
<b>18</b>	3.9	4.2	4.6	4.9	5.2	5.5	5.9	6.2	6.5	6.8	7.2	7.5
<b>19</b>	4.7	5.1	5.5	5.9	6.3	6.6	7.0	7.4	7.8	8.2	8.6	9.0
<b>20</b>	5.2	5.6	6.1	6.5	6.9	7.4	7.8	8.2	8.7	9.1	9.5	10.0
<b>21</b>	5.9	6.3	6.8	7.3	7.8	8.3	8.8	9.3	9.8	10.3	10.7	11.2
<b>22</b>	6.7	7.3	7.8	8.4	8.9	9.5	10.0	10.6	11.2	11.7	12.3	12.8
<b>23</b>	7.8	8.5	9.1	9.8	10.4	11.1	11.7	12.4	13.0	13.7	14.3	15.0
<b>24</b>	8.5	9.2	9.9	10.7	11.4	12.1	12.8	13.5	14.2	14.9	15.6	16.3
<b>25</b>	9.4	10.2	10.9	11.7	12.5	13.3	14.1	14.8	15.6	16.4	17.2	18.0
<b>26</b>	10.4	11.3	12.2	13.0	13.9	14.8	15.6	16.5	17.4	18.2	19.1	20.0
<b>27</b>	11.4	12.4	13.3	14.3	15.2	16.2	17.1	18.1	19.1	20.0	21.0	21.9
<b>28</b>	12.7	13.7	14.8	15.8	16.9	17.9	19.0	20.1	21.1	22.2	23.2	24.3
<b>29</b>	13.8	14.9	16.1	17.2	18.4	19.5	20.7	21.8	23.0	24.1	25.3	26.4
<b>30</b>	15.1	16.4	17.6	18.9	20.2	21.4	22.7	23.9	25.2	26.5	27.7	29.0

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<b>AWG</b>	<b>3/8"</b>	<b>25/64"</b>	<b>13/32"</b>	<b>27/64"</b>	<b>7/16"</b>	<b>29/64"</b>	<b>15/32"</b>	<b>31/64"</b>	<b>1/2"</b>	<b>17/32"</b>	<b>35/64"</b>	<b>9/16"</b>
<b>Gauge</b>	<b>0.37500</b>	<b>0.39063</b>	<b>0.40625</b>	<b>0.42188</b>	<b>0.43750</b>	<b>0.45313</b>	<b>0.46875</b>	<b>0.48438</b>	<b>0.50000</b>	<b>0.53125</b>	<b>0.54688</b>	<b>0.56250</b>
<b>10</b>	2.9	3.1	3.2	3.3	3.4	3.5	3.7	3.8	3.9	4.2	4.3	4.4
<b>11</b>	3.2	3.4	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.6	4.7	4.8
<b>12</b>	3.6	3.8	3.9	4.1	4.2	4.4	4.5	4.7	4.8	5.1	5.3	5.4
<b>13</b>	4.1	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.4	5.8	5.9	6.1
<b>14</b>	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.1	6.3	6.6	6.8	7.0
<b>15</b>	5.2	5.4	5.6	5.9	6.1	6.3	6.5	6.7	6.9	7.4	7.6	7.8
<b>16</b>	5.9	6.1	6.3	6.6	6.8	7.1	7.3	7.6	7.8	8.3	8.5	8.8
<b>17</b>	6.7	7.0	7.3	7.5	7.8	8.1	8.4	8.6	8.9	9.5	9.8	10.0
<b>18</b>	7.8	8.1	8.5	8.8	9.1	9.4	9.8	10.1	10.4	11.1	11.4	11.7
<b>19</b>	9.4	9.8	10.2	10.5	10.9	11.3	11.7	12.1	12.5	13.3	13.7	14.1
<b>20</b>	10.4	10.9	11.3	11.7	12.2	12.6	13.0	13.5	13.9	14.8	15.2	15.6
<b>21</b>	11.7	12.2	12.7	13.2	13.7	14.2	14.6	15.1	15.6	16.6	17.1	17.6
<b>22</b>	13.4	14.0	14.5	15.1	15.6	16.2	16.7	17.3	17.9	19.0	19.5	20.1
<b>23</b>	15.6	16.3	16.9	17.6	18.2	18.9	19.5	20.2	20.8	22.1	22.8	23.4
<b>24</b>	17.0	17.8	18.5	19.2	19.9	20.6	21.3	22.0	22.7	24.1	24.9	25.6
<b>25</b>	18.8	19.5	20.3	21.1	21.9	22.7	23.4	24.2	25.0	26.6	27.3	28.1
<b>26</b>	20.8	21.7	22.6	23.4	24.3	25.2	26.0	26.9	27.8	29.5	30.4	31.3
<b>27</b>	22.9	23.8	24.8	25.7	26.7	27.6	28.6	29.5	30.5	32.4	33.3	34.3
<b>28</b>	25.3	26.4	27.4	28.5	29.6	30.6	31.7	32.7	33.8	35.9	37.0	38.0
<b>29</b>	27.6	28.7	29.9	31.0	32.2	33.3	34.5	35.6	36.8	39.1	40.2	41.4
<b>30</b>	30.2	31.5	32.8	34.0	35.3	36.5	37.8	39.1	40.3	42.8	44.1	45.4

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<b>AWG</b>	<b>37/64"</b>	<b>19/32"</b>	<b>39/64"</b>	<b>5/8"</b>	<b>41/64"</b>	<b>21/32"</b>	<b>43/64"</b>	<b>11/16"</b>	<b>45/64"</b>	<b>23/32"</b>	<b>47/64"</b>	<b>3/4"</b>
<b>Gauge</b>	<b>0.57813</b>	<b>0.59375</b>	<b>0.60938</b>	<b>0.62500</b>	<b>0.64063</b>	<b>0.65625</b>	<b>0.67188</b>	<b>0.68750</b>	<b>0.70313</b>	<b>0.71875</b>	<b>0.73438</b>	<b>0.75000</b>
<b>10</b>	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.4	5.5	5.6	5.7	5.9
<b>11</b>	5.0	5.1	5.3	5.4	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.5
<b>12</b>	5.6	5.7	5.9	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.2
<b>13</b>	6.3	6.5	6.6	6.8	7.0	7.1	7.3	7.5	7.6	7.8	8.0	8.2
<b>14</b>	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4
<b>15</b>	8.0	8.2	8.5	8.7	8.9	9.1	9.3	9.5	9.8	10.0	10.2	10.4
<b>16</b>	9.0	9.3	9.5	9.8	10.0	10.3	10.5	10.7	11.0	11.2	11.5	11.7
<b>17</b>	10.3	10.6	10.9	11.2	11.4	11.7	12.0	12.3	12.6	12.8	13.1	13.4
<b>18</b>	12.0	12.4	12.7	13.0	13.3	13.7	14.0	14.3	14.6	15.0	15.3	15.6
<b>19</b>	14.5	14.8	15.2	15.6	16.0	16.4	16.8	17.2	17.6	18.0	18.4	18.8
<b>20</b>	16.1	16.5	16.9	17.4	17.8	18.2	18.7	19.1	19.5	20.0	20.4	20.8
<b>21</b>	18.1	18.6	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	22.9	23.4
<b>22</b>	20.6	21.2	21.8	22.3	22.9	23.4	24.0	24.6	25.1	25.7	26.2	26.8
<b>23</b>	24.1	24.7	25.4	26.0	26.7	27.3	28.0	28.6	29.3	29.9	30.6	31.3
<b>24</b>	26.3	27.0	27.7	28.4	29.1	29.8	30.5	31.3	32.0	32.7	33.4	34.1
<b>25</b>	28.9	29.7	30.5	31.3	32.0	32.8	33.6	34.4	35.2	35.9	36.7	37.5
<b>26</b>	32.1	33.0	33.9	34.7	35.6	36.5	37.3	38.2	39.1	39.9	40.8	41.7
<b>27</b>	35.3	36.2	37.2	38.1	39.1	40.0	41.0	41.9	42.9	43.8	44.8	45.7
<b>28</b>	39.1	40.1	41.2	42.2	43.3	44.3	45.4	46.5	47.5	48.6	49.6	50.7
<b>29</b>	42.5	43.7	44.8	46.0	47.1	48.3	49.4	50.6	51.7	52.8	54.0	55.1
<b>30</b>	46.6	47.9	49.1	50.4	51.7	52.9	54.2	55.4	56.7	58.0	59.2	60.5

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<b>AWG</b>	<b>49/64"</b>	<b>25/32"</b>	<b>51/64"</b>	<b>13/16"</b>	<b>53/64"</b>	<b>27/32"</b>	<b>55/64"</b>	<b>7/8"</b>	<b>57/64"</b>	<b>29/32"</b>	<b>59/64"</b>	<b>15/16"</b>
<b>Gauge</b>	<b>0.76563</b>	<b>0.78125</b>	<b>0.79688</b>	<b>0.81250</b>	<b>0.82813</b>	<b>0.84375</b>	<b>0.85938</b>	<b>0.87500</b>	<b>0.89063</b>	<b>0.90625</b>	<b>0.92188</b>	<b>0.93750</b>
<b>10</b>	6.0	6.1	6.2	6.3	6.5	6.6	6.7	6.8	7.0	7.1	7.2	7.3
<b>11</b>	6.6	6.7	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8	7.9	8.1
<b>12</b>	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.4	8.6	8.7	8.9	9.0
<b>13</b>	8.3	8.5	8.7	8.8	9.0	9.2	9.3	9.5	9.7	9.9	10.0	10.2
<b>14</b>	9.6	9.8	10.0	10.2	10.4	10.5	10.7	10.9	11.1	11.3	11.5	11.7
<b>15</b>	10.6	10.9	11.1	11.3	11.5	11.7	11.9	12.2	12.4	12.6	12.8	13.0
<b>16</b>	12.0	12.2	12.5	12.7	12.9	13.2	13.4	13.7	13.9	14.2	14.4	14.6
<b>17</b>	13.7	14.0	14.2	14.5	14.8	15.1	15.3	15.6	15.9	16.2	16.5	16.7
<b>18</b>	16.0	16.3	16.6	16.9	17.3	17.6	17.9	18.2	18.6	18.9	19.2	19.5
<b>19</b>	19.1	19.5	19.9	20.3	20.7	21.1	21.5	21.9	22.3	22.7	23.0	23.4
<b>20</b>	21.3	21.7	22.1	22.6	23.0	23.4	23.9	24.3	24.7	25.2	25.6	26.0
<b>21</b>	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.3	27.8	28.3	28.8	29.3
<b>22</b>	27.3	27.9	28.5	29.0	29.6	30.1	30.7	31.3	31.8	32.4	32.9	33.5
<b>23</b>	31.9	32.6	33.2	33.9	34.5	35.2	35.8	36.5	37.1	37.8	38.4	39.1
<b>24</b>	34.8	35.5	36.2	36.9	37.6	38.4	39.1	39.8	40.5	41.2	41.9	42.6
<b>25</b>	38.3	39.1	39.8	40.6	41.4	42.2	43.0	43.8	44.5	45.3	46.1	46.9
<b>26</b>	42.5	43.4	44.3	45.1	46.0	46.9	47.7	48.6	49.5	50.3	51.2	52.1
<b>27</b>	46.7	47.6	48.6	49.5	50.5	51.4	52.4	53.4	54.3	55.3	56.2	57.2
<b>28</b>	51.7	52.8	53.8	54.9	56.0	57.0	58.1	59.1	60.2	61.2	62.3	63.3
<b>29</b>	56.3	57.4	58.6	59.7	60.9	62.0	63.2	64.3	65.5	66.6	67.8	68.9
<b>30</b>	61.7	63.0	64.3	65.5	66.8	68.0	69.3	70.6	71.8	73.1	74.3	75.6

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<b>AWG</b>	<b>61/64"</b>	<b>31/32"</b>	<b>63/64"</b>	<b>1"</b>
<b>Gauge</b>	<b>0.95313</b>	<b>0.96875</b>	<b>0.98438</b>	<b>1.00000</b>
<b>10</b>	7.4	7.6	7.7	7.8
<b>11</b>	8.2	8.4	8.5	8.6
<b>12</b>	9.2	9.3	9.5	9.6
<b>13</b>	10.4	10.5	10.7	10.9
<b>14</b>	11.9	12.1	12.3	12.5
<b>15</b>	13.2	13.5	13.7	13.9
<b>16</b>	14.9	15.1	15.4	15.6
<b>17</b>	17.0	17.3	17.6	17.9
<b>18</b>	19.9	20.2	20.5	20.8
<b>19</b>	23.8	24.2	24.6	25.0
<b>20</b>	26.5	26.9	27.3	27.8
<b>21</b>	29.8	30.3	30.8	31.3
<b>22</b>	34.0	34.6	35.2	35.7
<b>23</b>	39.7	40.4	41.0	41.7
<b>24</b>	43.3	44.0	44.7	45.5
<b>25</b>	47.7	48.4	49.2	50.0
<b>26</b>	53.0	53.8	54.7	55.6
<b>27</b>	58.1	59.1	60.0	61.0
<b>28</b>	64.4	65.5	66.5	67.6
<b>29</b>	70.1	71.2	72.4	73.5
<b>30</b>	76.9	78.1	79.4	80.6