

Square Tube

Size and Gauge				Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'
1/2	x	1/2	16 ga	0.384	7.68	9.22		
3/4	x	3/4	16 ga	0.606	12.12	14.54		
			14 ga	0.753	15.06	18.07		
			11 ga	1.028	20.56	24.67		
1	x	1	16 ga	0.827	16.54	19.85		
			14 ga	1.035	20.70	24.84		
			11 ga	1.436	28.72	34.46		
1 1/4	x	1 1/4	16 ga	1.047	20.94	25.13		
			14 ga	1.317	26.34	31.61		
			11 ga	1.844	36.88	44.26		
			3/16"	2.913	58.26	69.91		
1 1/2	x	1 1/2	16 ga	1.268	25.36	30.43		
			14 ga	1.599	31.98	38.38		
			11 ga	2.252	45.04	54.05	90.08	
			3/16"	3.046	60.92	73.10	121.84	
			1/4"	4.067	81.34	102.00	162.68	
1 3/4	x	1 3/4	14 ga	1.882	37.64	45.17		
			11 ga	2.660	53.20	63.84		
2	x	2	16 ga	1.710	34.20	41.04		
			14 ga	2.164	43.28	51.94	86.56	
			11 ga	3.050	61.00	73.20	122.00	
			3/16"	4.320	86.40	103.68	172.80	
			1/4"	5.410	108.20	129.84	216.40	
			5/16"	6.322	126.44	151.73	252.88	
2 1/2	x	2 1/2	14 ga	2.730	54.60	65.52		
			11 ga	3.900	78.00	93.60	156.00	
			3/16"	5.590	111.80	134.16	223.60	268.32
			1/4"	7.110	142.20	170.64	284.40	341.28
			5/16"	8.430	168.60	202.32	337.20	404.64
3	x	3	14 ga	3.240	64.80	77.76	129.60	
			11 ga	4.750	95.00	114.00	190.00	
			3/16"	6.870	137.40	164.88	274.80	329.76
			1/4"	8.810	176.20	211.44	352.40	422.88
			5/16"	10.580	211.60	253.92	423.20	507.84
			3/8"	12.170	243.40	292.08	486.80	584.16

Square Tube

Size and Gauge				Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'
3 1/2	x	3 1/2	11 ga	5.610	112.20	134.64	224.40	
			3/16"	8.150	163.00	195.60	326.00	291.20
			1/4"	10.510	210.20	252.24	420.40	504.48
			5/16"	12.700	254.00	304.80	508.00	609.60
4	x	4	14 ga	4.360	87.20	104.64	174.40	
			11 ga	6.460	129.20	155.04	258.40	
			3/16"	9.420	188.40	226.08	376.80	452.16
			1/4"	12.210	244.20	293.04	488.40	586.08
			5/16"	14.830	296.60	355.92	593.20	711.84
			3/8"	17.270	345.40	414.48	690.80	828.96
1/2"			21.610	432.20	518.64	864.40	1037.28	
4 1/2	x	4 1/2	11 ga	7.310	146.20	175.44	292.40	
			3/16"	10.700	214.00	256.80	428.00	
			1/4"	13.900	278.00	333.60	556.00	
5	x	5	3/16"	11.970	239.40	287.28	478.80	574.56
			1/4"	15.620	312.40	374.88	624.80	749.76
			5/16"	19.080	381.60	457.92	763.20	915.84
			3/8"	22.370	447.40	536.88	894.80	1073.76
			1/2"	28.430	568.60	682.32	1137.20	1364.64
6	x	6	3/16"	14.530	290.60	348.72	581.20	697.44
			1/4"	19.020	380.40	456.48	760.80	912.96
			5/16"	23.340	466.80	560.16	933.60	1120.32
			3/8"	27.480	549.60	659.52	1099.20	1319.04
			1/2"	35.240	704.80	845.76	1409.60	1691.52
			5/8"	42.300	846.00	1015.00	1692.00	2030.00
7	x	7	3/16"	17.080	341.60	409.92	683.20	819.84
			1/4"	22.420	448.40	538.08	896.80	1076.16
			5/16"	27.590	551.80	662.16	1103.60	1324.32
			3/8"	32.580	651.60	781.92	1303.20	1563.84
			1/2"	42.050	841.00	1009.20	1682.00	2018.40
8	x	8	3/16"	19.630	392.60	471.12	785.20	942.24
			1/4"	25.820	516.40	619.68	1032.80	1239.36
			5/16"	31.840	636.80	764.16	1273.60	1528.32
			3/8"	37.690	753.80	904.56	1507.60	1809.12
			1/2"	48.850	977.00	1172.40	1954.00	2344.80
			5/8"	59.320	1186.00	1424.00	2373.00	2439.00

Square Tube

Size and Gauge			Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'	
9	x	9	3/16"	22.180	443.60	532.32	887.20	1064.64
			1/4"	29.230	584.60	701.52	1169.20	1403.04
			5/16"	36.100	722.00	866.40	1444.00	1732.80
			3/8"	42.790	855.80	1026.96	1711.60	2053.92
			1/2"	55.660	1113.20	1335.84	2226.40	2671.68
			5/8"	67.820	1356.40	1627.68	2712.80	3255.36
10	x	10	3/16"	24.730	494.60	593.52	989.20	1187.04
			1/4"	32.630	652.60	783.12	1305.20	1566.24
			5/16"	40.350	807.00	968.40	1614.00	1836.80
			3/8"	47.900	958.00	1149.60	1916.00	2299.20
			1/2"	62.460	1249.20	1499.04	2498.40	2998.08
			5/8"	76.330	1526.60	1831.92	3053.20	3663.84
12	x	12	1/4"	39.430	788.60	946.32	1577.20	1892.64
			5/16"	48.660	973.20	1167.84	1946.40	2335.68
			3/8"	58.100	1162.00	1394.40	2324.00	2788.80
			1/2"	76.060	1521.20	1825.44	3042.40	3650.88
			5/8"	93.360	1867.20	2240.64	3734.40	4481.28
14	x	14	5/16"	57.360	1147.20	1376.64	22294.40	2753.28
			3/8"	68.310	1386.20	1663.44	2772.40	3326.88
			1/2"	89.680	1793.60	2152.32	3587.20	4304.64
			5/8"	110.360	2207.20	2646.48	4414.40	5297.28
16	x	16	5/16"	65.870	1317.40	1580.88	2634.80	3161.76
			3/8"	78.520	1570.40	1884.48	3140.80	3768.96
			1/2"	103.300	2066.00	2479.20	4132.00	4958.40
			5/8"	127.370	2547.40	3056.88	5094.80	6113.76
18	x	18	3/8"	88.730	1774.60	2129.52	3549.20	4259.04
			1/2"	116.910	2338.20	2805.84	4676.40	5611.68
			5/8"	140.730	2814.60	3377.52	5629.20	6755.04
20	x	20	3/8"	98.940	1978.80	2374.56	3957.60	4749.12
			1/2"	130.520	2610.40	3132.48	5220.80	6264.96
			5/8"	161.400	3228.00	3873.60	6456.00	7747.20

Rectangular Tube

Size and Gauge				Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'
1 1/2	x	3/4	16 ga	0.937	18.74	22.49		
			14 ga	1.176	23.52	28.22		
			11 ga	1.640	32.80	39.36		
1 1/2	x	1	14 ga	1.317	26.34	31.61		
			11 ga	1.844	36.88	44.26		
2	x	1	16 ga	1.268	25.36	30.43		
			14 ga	1.599	31.98	38.38		
			11 ga	2.252	45.04	54.05		
			3/16"	3.350	67.00	80.40		
2	x	1 1/4	14 ga	2.023	40.46	48.55		
			11 ga	2.456	49.12	48.94		
2	x	1 1/2	14 ga	1.882	37.64	45.17		
			11 ga	2.660	53.20	63.84		
2 1/2	x	1 1/2	14 ga	2.160	43.20	51.84		
			11 ga	3.070	61.40	73.68		
			3/16"	4.320	86.40	103.68		
3	x	1	16 ga	1.711	34.22	41.06	68.44	
			14 ga	2.160	43.20	51.84	86.40	
			11 ga	3.070	61.40	73.68	122.80	
3	x	1 1/2	14 ga	2.446	48.92	58.70	97.84	
			11 ga	3.480	69.60	83.52	139.20	
			3/16"	4.970	99.40	119.28	198.80	
			1/4"	6.230	124.60	149.52	249.20	
3	x	2	14 ga	2.670	53.40	64.08	106.80	
			11 ga	3.900	78.00	93.60	156.00	
			3/16"	5.590	111.80	134.16	223.60	
			1/4"	7.110	142.20	170.64	284.40	
3	x	2 1/2	3/16"	6.230	124.60	149.52	249.20	
			1/4"	7.930	158.60	190.32	317.20	
3 1/2	x	2 1/2	3/16"	6.870	137.40	164.88	274.80	
			1/4"	8.810	176.20	211.44	352.40	
4	x	1 1/2	14 ga	2.981	59.62	71.54	119.24	
			11 ga	4.292	85.84	103.01	171.68	

Rectangular Tube

Size and Gauge				Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'
4	x	2	14 ga	3.240	64.80	77.76	129.60	
			11 ga	4.750	95.00	114.00	190.00	
			3/16"	6.870	137.40	164.88	274.80	
			1/4"	8.810	176.20	211.44	352.40	
			5/16"	10.580	211.60	253.92	423.20	
			3/8"	12.150	243.00	291.60	486.00	
4	x	3	11 ga	5.610	112.20	134.64	224.40	
			3/16"	8.150	163.00	195.60	326.00	
			1/4"	10.510	210.20	252.24	420.40	504.48
			5/16"	12.700	254.20	304.80	508.40	609.60
			3/8"	14.720	294.40	353.28	588.80	706.56
5	x	2	11 ga	5.610	112.20	134.64	224.00	269.28
			3/16"	8.150	163.00	195.60	326.00	391.20
			1/4"	10.510	210.20	252.24	420.40	545.28
5	x	2 1/2	3/16"	8.780	175.60	210.72	351.20	421.44
			1/4"	11.360	227.20	272.64	454.40	504.48
5	x	3	11 ga	6.460	129.20	155.04	258.40	310.08
			3/16"	9.420	188.40	226.08	376.80	452.16
			1/4"	12.210	244.20	293.04	488.40	586.08
			5/16"	14.830	296.60	355.92	593.20	711.84
			3/8"	17.270	345.40	414.48	690.80	828.96
5	x	4	11 ga	7.330	146.60	175.92	293.20	351.84
			3/16"	10.700	214.00	256.80	428.00	513.60
			1/4"	13.900	278.00	333.60	556.00	667.20
			3/8"	19.820	396.40	476.00	793.00	951.00
6	x	2	11 ga	6.460	129.20	155.04	258.40	310.08
			3/16"	9.420	188.40	226.08	376.80	452.16
			1/4"	12.210	244.20	293.04	488.40	586.08
			5/16"	14.830	296.60	355.92	593.20	711.84
			3/8"	17.270	345.40	414.48	690.80	828.96
6	x	3	11 ga	7.310	146.20	175.44	292.40	350.88
			3/16"	10.700	214.00	256.80	428.00	513.60
			1/4"	13.910	278.20	333.84	556.40	667.68
			5/16"	16.960	339.20	407.04	678.40	814.08
			3/8"	19.820	396.40	475.68	792.80	951.36

Rectangular Tube

Size and Gauge				Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'
6	x	4	3/16"	11.970	239.40	287.28	478.80	574.56
			1/4"	15.620	312.40	374.88	624.80	749.76
			5/16"	19.080	381.60	457.92	763.20	915.84
			3/8"	22.370	447.40	536.88	894.80	1073.76
			1/2"	28.430	568.60	682.32	1137.20	1364.64
6	x	5	3/16"	10.700	214.00	256.80	428.00	513.60
			1/4"	17.320	346.40	415.68	692.80	831.36
			5/16"	21.210	424.20	509.04	848.40	1018.08
			3/8"	24.920	498.40	598.08	996.80	1196.16
7	x	2	3/16"	10.700	214.00	256.80	428.00	513.60
			1/4"	13.910	278.20	333.84	556.40	667.68
			5/16"	16.960	339.20	407.04	678.40	814.08
7	x	3	3/16"	11.970	239.40	287.28	478.80	574.56
			1/4"	15.620	312.40	374.88	624.80	749.76
			5/16"	19.080	381.60	457.92	763.20	915.84
			3/8"	22.370	447.40	536.88	894.80	1073.76
7	x	4	3/16"	13.250	265.00	318.00	530.00	636.00
			1/4"	17.320	346.40	415.68	692.80	831.36
			5/16"	21.210	424.20	509.04	848.40	1018.08
			3/8"	24.930	498.60	598.32	997.20	1196.64
			1/2"	31.840	636.80	764.16	1273.60	1528.32
7	x	5	3/16"	14.530	290.60	348.72	581.20	697.44
			1/4"	19.020	380.40	456.48	760.80	912.96
			5/16"	23.340	466.80	560.16	933.60	1120.32
			3/8"	27.480	549.60	659.52	1099.20	1319.04
			1/2"	35.240	704.80	845.76	1409.60	1691.52
8	x	2	3/16"	11.970	239.40	287.28	478.80	574.56
			1/4"	15.620	312.40	374.88	624.80	749.76
			3/8"	22.370	447.40	536.88	894.80	1073.76
8	x	3	3/16"	13.250	265.00	318.00	530.00	636.00
			1/4"	17.320	346.40	415.68	692.80	831.36
			5/16"	21.210	424.20	509.04	848.40	1018.08
			3/8"	24.930	498.60	598.32	997.20	1196.64

Rectangular Tube

Size and Gauge				Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'
8	x	4	3/16"	14.530	290.60	348.72	581.20	697.44
			1/4"	19.020	380.40	456.48	760.80	912.96
			5/16"	23.340	466.80	560.16	933.60	1120.32
			3/8"	27.480	549.60	659.52	1099.20	1319.04
			1/2"	35.240	704.80	845.76	1409.60	1691.52
			5/8"	42.300	846.00	1015.20	1692.00	2030.40
8	x	6	3/16"	17.080	341.60	409.92	683.20	819.84
			1/4"	22.420	448.40	538.08	896.80	1076.16
			5/16"	27.590	551.80	662.16	1103.60	1324.32
			3/8"	32.580	651.60	781.92	1303.20	1563.84
			1/2"	42.050	841.00	1009.20	1682.00	2018.40
			5/8"	50.810	1016.20	1219.44	2032.40	2438.88
9	x	3	3/16"	14.530	290.60	348.72	581.20	697.44
			1/4"	19.020	380.40	456.48	760.80	912.96
			5/16"	23.340	466.80	560.16	933.60	1120.32
			3/8"	27.480	549.60	659.52	1099.20	1319.04
9	x	5	3/16"	17.080	341.60	409.92	683.20	819.84
			1/4"	22.420	448.40	538.08	896.80	1076.16
			5/16"	27.590	551.80	662.16	1103.60	1324.32
			3/8"	32.580	651.60	781.92	1303.20	1563.84
			1/2"	42.050	841.00	1009.20	1682.00	2018.40
10	x	2	3/16"	14.530	290.60	348.72	581.20	697.44
			1/4"	19.020	380.40	456.48	760.80	912.96
			5/16"	23.340	466.80	560.16	933.60	1120.32
			3/8"	27.480	549.60	659.52	1099.20	1319.04
10	x	3	3/16"	15.800	316.00	379.20	632.00	758.40
			1/4"	20.720	414.40	497.28	828.80	994.56
			5/16"	25.470	509.40	611.28	1018.80	1222.56
10	x	4	3/16"	17.080	341.60	409.92	683.20	819.84
			1/4"	22.420	448.40	538.08	896.80	1076.16
			5/16"	27.590	551.80	662.16	1103.60	1324.32
			3/8"	32.580	651.60	781.92	1303.20	1563.84
			1/2"	42.050	841.00	1009.20	1682.00	2018.40

Rectangular Tube

Size and Gauge			Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'	
10	x	6	3/16"	19.630	392.60	471.12	785.20	942.24
			1/4"	25.820	516.40	619.68	1032.80	1239.36
			5/16"	31.840	636.80	764.16	1273.60	1528.32
			3/8"	37.690	753.80	904.56	1507.60	1809.12
			1/2"	48.850	977.00	1172.40	1954.00	2344.80
10	x	8	3/16"	22.180	443.60	532.32	887.20	1064.64
			1/4"	29.200	584.00	700.80	1168.00	1401.60
			5/16"	36.125	722.50	867.00	1445.00	1734.00
			3/8"	42.790	855.80	1026.96	1711.60	2053.92
			1/2"	55.660	1113.20	1335.84	2226.40	2671.68
12	x	2	3/16"	17.080	341.60	409.92	683.20	819.84
			1/4"	22.420	448.40	538.08	896.80	1076.16
			5/16"	27.590	551.80	662.16	1103.60	1324.32
			3/8"	32.580	651.60	781.92	1303.20	1563.84
12	x	4	3/16"	19.360	387.20	464.64	774.40	929.28
			1/4"	25.820	516.40	619.68	1032.80	1239.36
			5/16"	31.840	636.80	764.16	1273.60	1528.32
			3/8"	37.690	753.80	904.56	1507.60	1809.12
			1/2"	48.850	977.00	1172.40	1954.00	2344.80
12	x	6	3/16"	22.180	443.60	532.32	887.20	1064.64
			1/4"	29.200	584.00	700.80	1168.00	1401.60
			5/16"	36.120	722.40	866.88	1444.80	1733.76
			3/8"	42.750	855.00	1026.00	1710.00	2052.00
			1/2"	55.660	1113.20	1335.84	2226.40	2671.68
			5/8"	76.330	1526.60	1831.92	3053.20	3663.84
12	x	8	1/4"	32.590	651.80	782.16	1303.60	1564.32
			5/16"	40.370	807.40	968.88	1614.80	1937.76
			3/8"	47.850	957.00	1148.40	1914.00	2296.80
			1/2"	62.460	1249.20	1499.04	2498.40	2998.08
			5/8"	76.330	1526.60	1831.92	3053.20	3663.84
14	x	4	1/4"	29.230	584.60	701.52	1169.20	1403.04
			5/16"	36.100	722.00	866.40	1444.00	1732.80
			3/8"	42.790	855.80	1026.96	1711.60	2053.92
			1/2"	55.660	1113.20	1335.84	2226.40	2671.68
			5/8"	67.820	1356.40	1627.68	2712.80	3255.36

Rectangular Tube

Size and Gauge			Lbs./Ft.	Lbs./20'	Lbs./24'	Lbs./40'	Lbs./48'	
14	x	6	3/16"	24.730	494.60	593.52	989.20	1187.04
			1/4"	32.630	652.60	783.12	1305.20	1566.24
			5/16"	40.350	807.00	968.40	1614.00	1936.80
			3/8"	47.900	958.00	1149.60	1916.00	2299.20
			1/2"	62.460	1249.20	1499.04	2498.40	2998.08
14	x	10	1/4"	39.430	788.60	946.32	1577.20	1892.64
			5/16"	48.860	977.20	1172.64	1954.40	2345.28
			3/8"	58.100	1162.00	1394.40	2324.00	2788.80
			1/2"	76.070	1521.40	1825.68	3042.80	3651.36
			5/8"	93.360	1867.20	2240.64	3734.40	4481.28
16	x	4	1/4"	32.630	652.60	783.12	1305.20	1566.24
			5/16"	40.350	807.00	968.40	1614.00	1936.80
			3/8"	47.900	958.00	1149.60	1916.00	2299.20
			1/2"	62.460	1249.20	1499.04	2498.40	2998.08
			5/8"	76.330	1526.60	1831.92	3053.20	3663.84
16	x	8	1/4"	39.430	788.60	946.32	1577.20	1892.64
			5/16"	48.960	979.20	1175.04	1958.40	2350.08
			3/8"	58.100	1162.00	1394.40	2324.00	2788.80
			1/2"	76.070	1521.40	1825.68	3042.80	3651.36
			5/8"	93.360	1867.20	2240.64	3734.40	4481.28
18	x	6	5/16"	48.960	979.20	1175.04	1958.40	2350.08
			3/8"	58.100	1162.00	1394.40	2324.00	2788.80
			1/2"	76.070	1521.40	1825.68	3042.80	3651.36
20	x	4	3/8"	58.100	1162.00	1394.40	2324.00	2788.80
			1/2"	76.070	1521.40	1825.68	3042.80	3651.36