

<b>Air Cylinder Based Resistance Welding Force Chart • In Pounds And Kilograms</b>											
<b>Air Cylinder Diameter</b>		<b>Air Cylinder Area</b>		<b>Air Pressure 40 PSI/2.758 Bars</b>		<b>Air Pressure 60 PSI/4.137 Bars</b>		<b>Air Pressure 80 PSI/5.516 Bars</b>		<b>Air Pressure 100 PSI/6.895 Bars</b>	
<b>Inches/MM</b>	<b>Sq. Inches/Sq. CM</b>	<b>Pounds</b>	<b>Kilograms</b>	<b>Pounds</b>	<b>Kilograms</b>	<b>Pounds</b>	<b>Kilograms</b>	<b>Pounds</b>	<b>Kilograms</b>	<b>Pounds</b>	<b>Kilograms</b>
0.75	19.05	0.44	2.84	17.60	7.98	26.40	11.97	38.20	17.33	44.00	19.96
1.00	25.40	0.78	5.03	31.20	14.15	46.80	21.23	62.40	28.30	78.00	35.38
1.25	31.75	1.23	7.93	49.20	22.32	73.80	33.47	98.40	44.63	123.00	55.79
1.50	38.10	1.77	11.42	70.80	32.11	106.20	48.17	141.60	64.23	177.00	80.29
1.75	44.45	2.41	15.55	96.40	43.73	144.60	65.59	192.80	87.45	241.00	109.32
2.00	50.80	3.14	20.26	125.60	56.97	188.40	85.46	251.20	113.94	314.00	142.43
3.00	76.20	7.07	45.61	282.80	128.28	424.20	192.41	565.60	256.55	707.00	320.69
4.00	101.60	12.57	81.09	502.80	228.07	754.20	342.10	1,005.60	456.13	1,257.00	570.16
5.00	127.00	19.64	126.70	785.60	356.34	1,178.40	534.51	1,571.20	712.68	1,964.00	890.85
6.00	152.40	28.27	182.37	1,130.80	512.92	1,696.00	769.29	2,260.00	1,025.11	2,827.00	1,282.30
7.00	177.80	38.48	248.23	1,539.00	698.08	2,309.00	1,047.34	3,078.00	1,396.15	3,848.00	1,745.41
8.00	203.20	50.27	324.29	2,010.80	912.08	3,030.00	1,374.38	4,020.00	1,823.43	5,027.00	2,280.20
9.00	228.60	63.62	410.41	2,545.00	1,154.39	3,817.00	1,731.35	5,090.00	2,308.77	6,362.00	2,885.74
10.00	254.00	87.54	564.72	3,141.00	1,424.73	4,720.00	2,140.94	6,300.00	2,857.62	7,854.00	3,562.50
12.00	304.80	113.10	729.61	4,524.00	2,052.04	6,770.00	3,070.80	9,050.00	4,104.99	11,310.00	5,130.10
14.00	355.60	153.94	993.07	6,157.00	2,792.75	9,220.00	4,182.10	12,300.00	5,579.16	15,394.00	6,982.56
16.00	406.40	201.06	1,297.04	8,042.00	3,647.77	12,063.00	5,471.66	16,085.00	7,296.00	20,106.00	9,119.88
18.00	457.20	254.46	1,641.52	10,178.00	4,616.64	15,268.00	6,925.41	20,356.00	9,233.28	25,446.00	11,542.05

This chart shows the pressure in Pounds and Kilograms that is applied to the the welding electrodes of a resistance welding machine, when a specific diameter air cylinder and air pressure are used.