

Strength of Weld Experiment

Energy	Force	Strength	Run Order
20	5	36	7
20	5	40	8
20	5	40	13
20	5	46	14
30	5	44	1
30	5	50	10
30	5	50	16
30	5	54	11
20	9	24	12
20	9	27	15
20	9	30	9
20	9	33	5
30	9	65	2
30	9	68	6
30	9	71	4
30	9	74	3

Energy	Force		
	5 lbs	9 lbs	
20 watt-secs	40.5 (17)	28.5 (15)	34.5
30 watt-secs	49.5 (17)	69.5 (15)	59.5
	45.0	49.0	47.0