

Force Needed to Achieve Loading Pressures on Composition

- Column 2 is force needed to produce 7500 psi on the composition
- Column 3 is 75% of that force for reduced area around spindle, hollow rammer
- Column 4 is force needed to produce 9000 psi on the composition
- Column 5 is 75% of that force for reduced area around spindle, hollow rammer

*Forces listed in table indicate number of pounds of force required to create specific pressure on composition. This force is what a PtoF gauge would read, assuming that it is a unit that reads Force directly without any needed conversion factor.

* Some numbers have been rounded off for convenience.

Tube Size	7500 psi	75%	9000 psi	75%
1/2"	1500	1100	1750	1300
5/8"	2300	1700	2750	2050
3/4"	3300	2500	3950	2950
7/8"	4500	3400	5400	4050
1"	5900	4400	7050	5300
1-1/4"	9200	6900	11050	8300
1-1/2"	13250	9950	15900	11950