

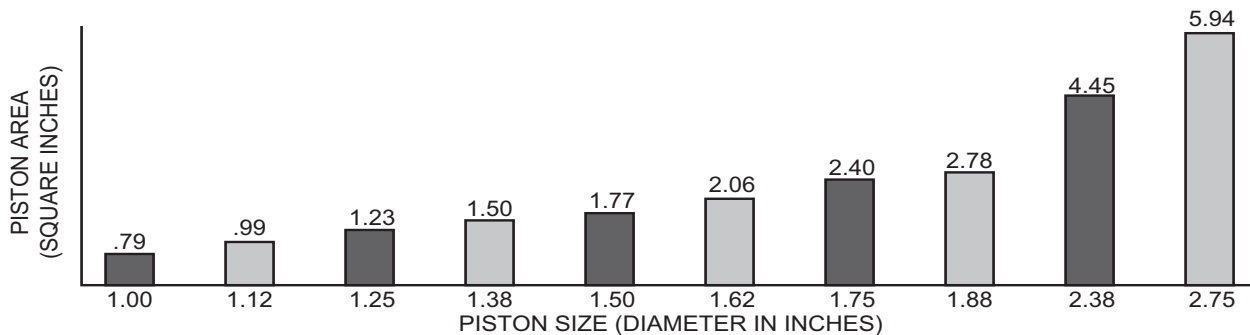


Pressure in Relation to M/C Bore Diameter & Brake Pedal Ratio for 100 Pound Pedal Effort (100 x Ratio / Sq Inch of Bore)

Bore Diameter Inch	Area Sq Inch	5 to 1 Ratio	5.5 to 1 Ratio	6 to 1 Ratio	6.25 to 1 Ratio	7 to 1 Ratio
5/8	.31	1613 psi	1774 psi	1935 psi	2016 psi	2258 psi
.70	.38	1316 psi	1447 psi	1579 psi	1645 psi	1842 psi
3/4	.44	1136 psi	1250 psi	1364 psi	1420 psi	1590 psi
13/16	.52	961 psi	1058 psi	1153 psi	1202 psi	1346 psi
7/8	.60	833 psi	917 psi	1000 psi	1041 psi	1167 psi
15/16	.69	725 psi	797 psi	869 psi	908 psi	1014 psi
1	.78	641 psi	705 psi	769 psi	801 psi	897 psi
1-1/32	.85	588 psi	647 psi	706 psi	735 psi	823 psi
1-1/8	.97	515 psi	567 psi	618 psi	644 psi	721 psi

CALIPER PISTON AREA:

A caliper's piston area is calculated by finding the total piston area from one side of the caliper (this is true for a single piston caliper also). The graph provides the piston area for individual piston diameters. Note that differential piston bore calipers will be the total piston area of the different size pistons.



Example: For the six piston GN III caliper (1.38, 1.38, 1.75" pistons), the effective piston area would be:
 $1.50'' + 1.50'' + 2.40'' = 5.40$ square inches.