



Keeping You Connected

FORCE CHART

- For hose I.D.'s from 1-1/4" to 12" the force in pounds is greater than the PSI
- Force is the dynamic power which is exported longitudinally through a hose, towards the ends
- To arrive at the number of pounds of force exerted, you merely multiply the area of the I.D. times the working pressure being used
- Force = Area x Pressure

Force (In Pounds)

Hose I.D.	25 PSI	50 PSI	75 PSI	100 PSI	150 PSI	200 PSI	250 PSI	300 PSI	500 PSI	1000 PSI
2"	79	157	236	314	471	628	785	942	1,571	3,142
2-1/2"	123	245	368	491	736	982	1,227	1,473	2,454	4,909
3"	177	353	530	707	1,060	1,414	1,767	2,121	3,534	7,069
4"	314	628	942	1,257	1,885	2,513	3,142	3,770	6,283	12,566
5"	491	982	1,473	1,964	2,945	3,927	4,909	5,891	9,818	19,635
6"	707	1,414	2,121	2,827	4,241	5,655	7,069	8,482	14,137	28,274
8"	1,257	2,513	3,770	5,027	7,540	10,053	12,566	15,080	25,133	50,266
10"	1,964	3,927	5,891	7,854	11,781	15,708	19,635	23,652	39,270	78,540
12"	2,827	5,655	8,482	11,310	16,965	22,620	28,274	33,929	56,549	113,098

