

Capacities of Pipes and Cylinders

Inside Diameter (Inches)	Gallons Per Foot	Barrels Per 100 Feet	Barrels Per Mile
1	0.0408	0.0971	5.1291
2	0.1632	0.3886	20.5166
3	0.3672	0.8743	46.1623
4	0.6528	1.5543	82.0663
5	1.0200	2.4286	128.2286
6	1.4688	3.4971	184.6491
7	1.9992	4.7600	251.3280
8	2.6112	6.2171	328.2652
9	3.3048	7.8686	415.4606
10	4.0800	9.7143	512.9143
12	5.8752	13.9886	738.5966
14	7.9968	19.0400	1005.3120
16	10.4448	24.8686	1313.0606
18	13.2192	31.4743	1661.8423
20	16.3200	38.8571	2051.6572
22	19.7472	47.0171	2482.5052
24	23.5008	55.9543	2954.3864
30	36.7200	87.4286	4616.2287
36	52.8768	125.8971	6647.3693
42	71.9712	171.3600	9047.8083
48	94.0032	223.8171	11817.5455
54	118.9728	283.2686	14956.5810
60	146.8800	349.7143	18464.9148

Formulas:

$I.D.^2 \times 0.0034$	=	U.S. Gallons per Inch
$I.D.^2 \times 0.0408$	=	U.S. Gallons per Foot
$I.D.^2 \times 0.09714286$	=	Barrels per 100 Feet
$I.D.^2 \times 5.129143$	=	Barrels per Mile