

DESIGN PRESSURES FOR STAINLESS STEEL PIPE

IPS (inches)	SCH	OD (inches)	WALL (inches)	BURST PRESSURE (psi)	WORKING INTERNAL PRESSURE (psi)	COLLAPSE PRESSURE (psi)	WORKING EXTERNAL PRESSURE (psi)	IPS (inches)	SCH	OD (inches)	WALL (inches)	BURST PRESSURE (psi)	WORKING INTERNAL PRESSURE (psi)	COLLAPSE PRESSURE (psi)	WORKING EXTERNAL PRESSURE (psi)
1/8	5	.405	.035	11840	2960	4920	1230	2 1/2	5	2.875	.083	3760	940	1030	257
	10	"	.049	17070	4270	7280	1820		10	"	.120	5500	1380	1870	468
	40	"	.068	24700	6170	10160	2540		40	"	.203	9550	2390	3860	966
	80	"	.095	36800	9200	14040	3510		80	"	.276	13280	3320	5600	1400
1/4	5	.540	.049	12470	3120	5280	1320	3	5	3.500	.083	3080	770	712	178
	10	"	.065	16980	4240	7200	1800		10	"	.120	4490	1120	1390	347
	40	"	.088	23900	5970	9800	2450		40	"	.216	8270	2070	3250	813
	80	"	.119	34100	8520	13400	3350		80	"	.300	11720	2930	4880	1220
3/8	5	.675	.049	9810	2450	4000	1000	3 1/2	5	4.000	.083	2690	672	532	133
	10	"	.065	13300	3320	5640	1410		10	"	.120	3920	980	1105	276
	40	"	.091	19260	4810	8160	2040		40	"	.226	7540	1890	2900	725
	80	"	.126	28000	7000	11280	2820		80	"	.318	10820	2710	4480	1120
1/2	5	.840	.065	10510	2630	4320	1080	4	5	4.500	.083	2390	596	382	96
	10	"	.083	13670	3420	5800	1450		10	"	.120	3470	867	894	224
	40	"	.109	18470	4610	7800	1950		40	"	.237	7000	1750	2600	650
	80	"	.147	26000	6500	10640	2660		80	"	.337	10160	2540	4140	1035
3/4	5	1.050	.065	8300	2070	3250	813	5	5	5.563	.109	2540	635	454	114
	10	"	.083	10750	2690	4440	1110		10	"	.134	3130	783	728	182
	40	"	.113	15010	3750	6360	1590		40	"	.258	6140	1535	2180	544
	80	"	.154	21200	5300	8840	2210		80	"	.375	9080	2270	3650	912
1	5	1.315	.065	6550	1640	2380	595	6	5	6.625	.109	2130	531	270	68
	10	"	.109	11320	2830	4720	1180		10	"	.134	2620	655	504	126
	40	"	.133	14040	3510	6000	1500		40	"	.280	5580	1395	1915	479
	80	"	.179	19460	4860	8200	2050		80	"	.432	8770	2190	3480	871
1 1/4	5	1.660	.065	5150	1290	1690	422	8	5	8.625	.109	1630	407	122	31
	10	"	.109	8830	2210	3520	881		10	"	.148	2220	555	310	78
	40	"	.140	11530	2880	4800	1200		40	"	.322	4910	1230	1575	394
	80	"	.191	16170	4040	6880	1720		80	"	.500	7750	1940	3000	750
1 1/2	5	1.900	.065	4480	1120	1375	344	10	5	10.750	.134	1605	401	120	30
	10	"	.109	7660	1920	2960	741		10	"	.165	1980	495	220	55
	40	"	.145	10370	2590	4280	1070		40	"	.365	4450	1110	1355	339
	80	"	.200	14660	3660	6200	1550		80	"	.500	6160	1540	2180	546
2	5	2.375	.065	3560	890	936	234	12	5	12.750	.156	1575	394	114	29
	10	"	.109	6060	1520	2150	537		10	"	.180	1820	455	173	43
	40	"	.154	8720	2180	3440	861		40	"	.375	3840	960	1065	266
	80	"	.218	12640	3160	5320	1330		80	"	.500	5160	1290	1710	427