



# ALL STAINLESS LIMITED

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## INFORMATION SHEET

### Allowable Working Pressures

#### Allowable Working Pressure psi – Type 316 Schedule 40S

Temp °F	Size Stress	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	8"	10"	12"
		-20 to 100	18750	3980	3246	3036	2499	2249	1894	2071	1798	1640	1524	1337	1214	1069
200	18750	3980	3246	3036	2499	2249	1894	2071	1798	1640	1524	1337	1214	1069	969	837
300	17900	3800	3099	2898	2386	2147	1808	1977	1717	1566	1456	1276	1159	1020	926	799
400	17500	3715	3030	2833	2333	2098	1768	1933	1678	1531	1423	1247	1133	997	905	782
500	17200	3651	2977	2784	2293	2062	1738	1900	1649	1505	1399	1226	1114	980	889	768
600	17100	3630	2960	2768	2279	2051	1728	1889	1640	1496	1390	1218	1107	974	884	764
650	17050	3620	2952	2760	2272	2045	1722	1883	1636	1491	1387	1215	1105	972	882	761
700	17000	3609	2943	2752	2266	2039	1717	1878	1631	1487	1382	1212	1101	969	879	759
750	16750	3587	2925	2736	2252	2027	1707	1867	1621	1479	1374	1205	1094	963	874	754
800	16750	3556	2900	2712	2235	2008	1692	1850	1607	1465	1362	1194	1085	955	867	748
850	16500	3502	2856	2671	2199	1978	1666	1823	1582	1444	1342	1176	1069	940	853	736
900	16000	3397	2770	2590	2133	1919	1616	1768	1535	1399	1301	1140	1036	912	827	714
950	15100	3206	2614	2444	2012	1811	1525	1668	1448	1228	1228	1076	978	861	781	674
1000	14000	2972	2424	2266	1866	1678	1414	1547	1343	1139	1139	997	906	798	724	625
1050	12200	2589	2112	1975	1626	1462	1232	1348	1170	988	988	869	790	695	695	544
1100	10400	2264	1837	1717	1408	1264	1063	1164	1008	854	854	748	679	596	541	466
1150	8500	1950	1567	1459	1189	1064	890	977	844	711	711	621	563	494	447	385
1200	6800	1560	1253	1167	951	851	712	782	674	569	569	497	450	396	358	308
1250	5300	1216	977	910	741	663	555	609	526	443	443	387	351	308	279	240
1300	4000	918	737	686	559	500	419	419	396	334	334	292	265	232	210	181
1350	3000	688	553	515	419	375	314	345	297	251	251	219	198	174	158	136
1400	2350	539	443	403	328	294	246	270	233	197	197	171	155	136	124	106
1450	1850	425	348	317	259	232	193	212	183	154	154	135	122	107	97	84
1500	1500	344	276	257	209	187	157	172	148	125	125	109	99	87	79	68

Pressure calculated in accordance with ANSI B31.1, paragraph 324-a  
304L and 316L are slightly lower than 304 and 316.  
Above information is for guidance only.