



The Phoenix Forge Group
PHOENIX * CAPITOL * CAMCO * CAPPRODUCTS



MAXIMUM ALLOWABLE WORKING PRESSURE (PSI) AT DESIGN TEMPERATURE (F)
 ASTM A312 Grade 304/304L Stainless Steel Welded Pipe Nipples
FOR REFERENCE ONLY

Nominal Pipe Size	Wall Thickness	Weight Class	Schedule No.	Temperature								
				-425 to 100	200	300	400	500	600	700	800	850
1/8	0.068	STD	40	2095	2095	2095	1985	1860	1760	1695	1630	1605
	0.095	XS	80	3890	3890	3890	3680	3445	3260	3145	3025	2980
1/4	0.088	STD	40	1695	1695	1695	1605	1500	1420	1370	1320	1300
	0.119	XS	80	3210	3210	3210	3035	2845	2690	2595	2500	2460
3/8	0.091	STD	40	1455	1455	1455	1375	1290	1220	1175	1135	1115
	0.126	XS	80	2825	2825	2825	2675	2505	2370	2285	2200	2165
1/2	0.109	STD	40	1265	1265	1265	1195	1120	1060	1020	985	970
	0.147	XS	80	2440	2440	2440	2310	2165	2045	1975	1900	1870
3/4	0.113	STD	40	1100	1100	1100	1040	975	920	890	855	840
	0.154	XS	80	2100	2100	2100	1985	1860	1760	1700	1635	1610
1	0.133	STD	40	980	980	980	925	865	820	790	760	750
	0.179	XS	80	1865	1865	1865	1765	1655	1565	1510	1455	1430
1-1/4	0.140	STD	40	875	875	875	825	775	735	705	680	670
	0.191	XS	80	1645	1645	1645	1560	1460	1380	1330	1280	1265
1-1/2	0.145	STD	40	825	825	825	780	730	690	665	645	635
	0.200	XS	80	1550	1550	1550	1470	1375	1300	1255	1205	1190
2	0.154	STD	40	750	750	750	710	665	630	605	585	575
	0.218	XS	80	1420	1420	1420	1345	1260	1190	1150	1105	1090
2-1/2	0.203	STD	40	735	735	735	700	655	620	595	575	565
	0.276	XS	80	1370	1370	1370	1295	1215	1150	1105	1065	1050
3	0.216	STD	40	695	695	695	655	615	580	560	540	530
	0.300	XS	80	1290	1290	1290	1220	1140	1080	1040	1005	990
3-1/2	0.226	STD	40	665	665	665	630	590	560	540	520	510
	0.318	XS	80	1235	1235	1235	1170	1095	1035	1000	960	945
4	0.237	STD	40	650	650	650	615	575	545	525	505	500
	0.337	XS	80	1200	1200	1200	1135	1060	1005	970	935	920

NOTES:

- 1). The allowable working pressures were calculated based on formulas and allowable stress as specified in the ASME B31.3 Process Piping Code.
- 2). Considerations were taken into account for the wall thickness material removed by threading.
- 3). No allowances were made for corrosion, erosion, mechanical loads, and/or bending moments.
- 4). Allowable working pressures listed are non-shock working pressures.
- 5). For temperatures and working pressures above those listed consult the end users piping engineer.
- 6). This information is to be used as a reference guide only. Specifying the correct pipe schedule and pressure class of fitting depends on many different factors. Therefore, it is the ultimate responsibility of the end user's piping engineer to specify the correct pipe schedule and pressure class of fitting that will safely work in his intended application.