



The Phoenix Forge Group
PHOENIX * CAPITOL * CAMCO * CAPPRODUCTS



MAXIMUM ALLOWABLE WORKING PRESSURE (PSI) AT DESIGN TEMPERATURE (F)
 ASTM A53 Type F Carbon Steel CW Threaded Pipe Nipples
FOR REFERENCE ONLY

Nominal Pipe Size	Wall Thickness	Weight Class	Schedule No.	Temperature						
				-20 to 100	200	300	400	500	600	650
1/8	0.068	STD	40	1412	1412	1365	1290	1224	1111	1091
	0.095	XS	80	2619	2619	2532	2392	2270	2060	2025
1/4	0.088	STD	40	1142	1142	1104	1043	990	898	883
	0.119	XS	80	2162	2162	2090	1975	1874	1701	1672
3/8	0.091	STD	40	980	980	948	895	850	771	758
	0.126	XS	80	1905	1905	1841	1740	1651	1498	1473
1/2	0.109	STD	40	851	851	823	777	738	670	658
	0.147	XS	80	1645	1645	1590	1502	1425	1294	1272
3/4	0.113	STD	40	740	740	715	676	641	582	572
	0.154	XS	80	1415	1415	1368	1292	1226	1113	1094
1	0.133	STD	40	659	659	637	602	571	518	510
	0.179	XS	80	1258	1258	1216	1149	1090	989	973
1-1/4	0.140	STD	40	589	589	569	538	510	463	455
	0.191	XS	80	1110	1110	1073	1013	962	873	858
1-1/2	0.145	STD	40	556	556	537	508	482	437	430
	0.200	XS	80	1045	1045	1010	954	906	822	808
2	0.154	STD	40	505	505	488	461	438	397	390
	0.218	XS	80	957	957	925	874	830	753	740
2-1/2	0.203	STD	40	497	497	480	454	430	391	384
	0.276	XS	80	922	922	891	842	799	725	713
3	0.216	STD	40	467	467	452	427	405	368	361
	0.300	XS	80	868	868	839	793	752	683	671
3-1/2	0.226	STD	40	449	449	434	410	389	353	347
	0.318	XS	80	832	832	804	760	721	654	643
4	0.237	STD	40	438	438	423	400	379	344	339
	0.337	XS	80	807	807	781	737	700	635	624

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.