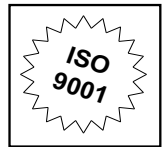




The Phoenix Forge Group
PHOENIX * CAPITOL * CAMCO * CAPPRODUCTS



MAXIMUM ALLOWABLE WORKING PRESSURE (PSI) AT DESIGN TEMPERATURE (F)
 ASTM A53 Grade B Carbon Steel ERW Welded 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	2668	2668	2668	2668	2521	2308	2268
	0.095	XS	80	4947	4947	4947	4947	4675	4279	4205
1/4	0.088	STD	40	2157	2157	2157	2157	2038	1866	1833
	0.119	XS	80	4085	4085	4085	4085	3860	3533	3472
3/8	0.091	STD	40	1852	1852	1852	1852	1750	1602	1574
	0.126	XS	80	3598	3598	3598	3598	3400	3112	3058
1/2	0.109	STD	40	1608	1608	1608	1608	1519	1391	1367
	0.147	XS	80	3107	3107	3107	3107	2936	2687	2641
3/4	0.113	STD	40	1397	1397	1397	1397	1320	1209	1188
	0.154	XS	80	2672	2672	2672	2672	2526	2312	2272
1	0.133	STD	40	1245	1245	1245	1245	1176	1077	1058
	0.179	XS	80	2376	2376	2376	2376	2245	2055	2019
1-1/4	0.140	STD	40	1112	1112	1112	1112	1051	962	945
	0.191	XS	80	2096	2096	2096	2096	1981	1813	1782
1-1/2	0.145	STD	40	1050	1050	1050	1050	992	908	893
	0.200	XS	80	1974	1974	1974	1974	1865	1707	1678
2	0.154	STD	40	954	954	954	954	901	825	811
	0.218	XS	80	1808	1808	1808	1808	1709	1564	1537
2-1/2	0.203	STD	40	938	938	938	938	887	812	798
	0.276	XS	80	1742	1742	1742	1742	1646	1507	1481
3	0.216	STD	40	883	883	883	883	834	793	750
	0.300	XS	80	1639	1639	1639	1639	1549	1418	1394
3-1/2	0.226	STD	40	847	847	847	847	801	733	720
	0.318	XS	80	1571	1571	1571	1571	1485	1359	1335
4	0.237	STD	40	827	827	827	827	782	715	703
	0.337	XS	80	1525	1525	1525	1525	1441	1319	1296

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.