



**The Phoenix Forge Group**  
**PHOENIX \* CAPITOL \* CAMCO \* CAPPRODUCTS**



MAXIMUM ALLOWABLE WORKING PRESSURE (PSI) AT DESIGN TEMPERATURE (F)  
**API K55 Casing Nipples 8 Round Thread**  
**FOR REFERENCE ONLY**

Nominal Pipe Size	Wall Thickness	Outside Diameter	Temperature								
			-20 to 100	200	300	400	500	600	700	800	850
4-1/2 8RD 10.5 lb/ft	0.224	4.500	2875	2875	2875	2875	2717	2487	2415	1552	1250
4-1/2 8RD 11.6 lb/ft	0.250	4.500	3208	3208	3208	3208	3032	2775	2695	1733	1396
5-1/2 8RD 14.0 lb/ft	0.244	5.500	2562	2562	2562	2562	2421	2216	2152	1383	1114
5-1/2 8RD 15.5 lb/ft	0.275	5.500	2888	2888	2888	2888	2729	2498	2426	1559	1256
7 8RD 20.0 lb/ft	0.272	7.000	2244	2244	2244	2244	2121	1941	1885	1212	976
8-5/8 8RD 24.0 lb/ft	0.264	8.625	1768	1768	1768	1768	1670	1529	1485	955	769
9-5/8 8RD 36.0 lb/ft	0.352	9.625	2112	2112	2112	2112	1996	1827	1774	1140	919

MAXIMUM ALLOWABLE WORKING PRESSURE (PSI) AT DESIGN TEMPERATURE (F)  
**API N80 and L80 Casing Nipples 8 Round Thread**  
**FOR REFERENCE ONLY**

Nominal Pipe Size	Wall Thickness	Outside Diameter	Temperature								
			-20 to 100	200	300	400	500	600	700	800	850
4-1/2 8RD 10.5 lb/ft	0.224	4.500	4181	4181	4181	4181	3951	3617	3512	2258	1819
4-1/2 8RD 11.6 lb/ft	0.250	4.500	4667	4667	4667	4667	4410	4037	3920	2520	2030
5-1/2 8RD 14.0 lb/ft	0.244	5.500	3727	3727	3727	3727	3522	3223	3130	2012	1621
5-1/2 8RD 15.5 lb/ft	0.275	5.500	4200	4200	4200	4200	3969	3633	3528	2268	1827
7 8RD 20.0 lb/ft	0.272	7.000	3264	3264	3264	3264	3084	2823	2742	1763	1420
8-5/8 8RD 24.0 lb/ft	0.264	8.625	2571	2571	2571	2571	2430	2224	2160	1388	1118
9-5/8 8RD 36.0 lb/ft	0.352	9.625	3072	3072	3072	3072	2903	2657	2580	1659	1336

MAXIMUM ALLOWABLE WORKING PRESSURE (PSI) AT DESIGN TEMPERATURE (F)  
**API P110 Casing Nipples 8 Round Thread**  
**FOR REFERENCE ONLY**

Nominal Pipe Size	Wall Thickness	Outside Diameter	Temperature								
			-20 to 100	200	300	400	500	600	700	800	850
4-1/2 8RD 10.5 lb/ft	0.224	4.500	5749	5749	5749	5749	5433	4973	4829	3105	2501
4-1/2 8RD 11.6 lb/ft	0.250	4.500	6417	6417	6417	6417	6064	5550	5390	3465	2791
5-1/2 8RD 14.0 lb/ft	0.244	5.500	5124	5124	5124	5124	4842	4432	4304	2767	2229
5-1/2 8RD 15.5 lb/ft	0.275	5.500	5775	5775	5775	5775	5457	4995	4851	3119	2512
7 8RD 20.0 lb/ft	0.272	7.000	4488	4488	4488	4488	4241	3882	3770	2424	1952
8-5/8 8RD 24.0 lb/ft	0.264	8.625	3535	3535	3535	3535	3341	3058	2970	1909	1538
9-5/8 8RD 36.0 lb/ft	0.352	9.625	4224	4224	4224	4224	3992	3654	3548	2281	1837

**NOTES:**

- 1). The allowable working pressures were calculated based on formula as specified in the API Bulletin 5C3.
- 2). No allowances were made for corrosion, erosion, mechanical loads, and/or bending moments.
- 3). Allowable working pressures listed are non-shock working pressures.
- 4). For temperatures and working pressures above those listed consult the end user's Piping Engineer.
- 5). 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.