

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS2 ANSI 150-900

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.083		2.209	---	---	348	1438
0.109		2.157	---	---	796	1906
0.125		2.125	---	---	1075	2198
0.141		2.093	---	271	1358	2220
0.154	Std/S40	2.067	---	493	1590	2220
0.172		2.031	---	804	1915	2220
0.188		1.999	---	1084	2207	2220
0.218	XH/S80	1.939	---	1617	2220	2220
0.250		1.875	---	2198	2220	2220
0.281		1.813	528	2220	2220	2220
0.344	S160	1.687	1635	2220	2220	2220
0.436	XXH	1.503	2220	2220	2220	2220

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS3 ANSI 150-900

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.083		3.334	---	---	235	967
0.109		3.282	---	---	537	1278
0.125		3.250	---	---	725	1471
0.141		3.218	---	184	914	1665
0.156		3.188	---	357	1092	1849
0.172		3.156	---	543	1284	2046
0.188		3.124	---	731	1477	2220
0.216	Std/S40	3.068	---	1062	1818	2220
0.250		3.000	---	1471	2220	2220
0.281		2.938	357	1849	2220	2220
0.300	XH/S80	2.900	578	2083	2220	2220
0.438	S160	2.624	2220	2220	2220	2220
0.600	XXH	2.300	2220	2220	2220	2220

In-Line Figure 700 Closure

Maximum Allowable Working Pressure

Size: NPS4 ANSI 150-900

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.083		4.334	---	---	183	749
0.109		4.282	---	---	417	988
0.125		4.250	---	---	562	1136
0.141		4.218	---	143	708	1286
0.156		4.188	---	277	845	1426
0.172		4.156	---	421	993	1577
0.188		4.124	---	566	1141	1729
0.203		4.094	---	703	1281	1872
0.219		4.062	---	850	1431	2026
0.237	Std/S40	4.026	---	1016	1601	2199
0.250		4.000	---	1136	1724	2220
0.281		3.938	277	1426	2021	2220
0.312		3.876	557	1719	2220	2220
0.337	XH/S80	3.826	785	1958	2220	2220
0.438	S120	3.624	1729	2220	2220	2220
0.531	S160	3.438	2220	2220	2220	2220
0.674	XXH	3.152	2220	2220	2220	2220

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS6 ANSI 150-900

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.083		6.459	---	---	124	506
0.109		6.407	---	---	282	667
0.125		6.375	---	---	380	766
0.141		6.343	---	97	478	866
0.156		6.313	---	188	571	960
0.172		6.281	---	285	670	1061
0.188		6.249	---	383	769	1161
0.203		6.219	---	475	863	1256
0.219		6.187	---	574	963	1358
0.250		6.125	---	766	1158	1556
0.280	Std/S40	6.065	182	954	1349	1750
0.312		6.001	377	1155	1553	1958
0.344		5.937	574	1358	1759	2167
0.375		5.875	766	1556	1961	2220
0.432	XH/S80	5.761	1124	1925	2220	2220
0.500		5.625	1556	2220	2220	2220
0.562	S120	5.501	1958	2220	2220	2220
0.625		5.375	2220	2220	2220	2220
0.719	S160	5.187	2220	2220	2220	2220
0.750		5.125	2220	2220	2220	2220
0.864	XXH	4.897	2220	2220	2220	2220
0.875		4.875	2220	2220	2220	2220

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS8 ANSI 150-600

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.125		8.375	---	---	292	587
0.156		8.313	---	144	437	734
0.188		8.249	---	294	589	887
0.203		8.219	---	364	660	960
0.219		8.187	---	440	736	1037
0.250	S20	8.125	---	587	885	1187
0.277	S30	8.071	126	715	1015	1319
0.312		8.001	289	883	1185	1480
0.322	Std/S40	7.981	336	931	1233	1480
0.344		7.937	440	1037	1341	1480
0.375		7.875	587	1187	1480	1480
0.406	S60	7.813	734	1338	1480	1480
0.438		7.749	887	1480	1480	1480
0.500	XH/S80	7.625	1187	1480	1480	1480
0.562		7.501	1480	1480	1480	1480
0.594	S100	7.437	1480	1480	1480	1480
0.625		7.375	1480	1480	1480	1480
0.719	S120	7.187	1480	1480	1480	1480
0.750		7.125	1480	1480	1480	1480
0.812	S140	7.001	1480	1480	1480	1480
0.875	XXH	6.875	1480	1480	1480	1480
0.906	S160	6.813	1480	1480	1480	1480
1.000		6.625	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS10 ANSI 150-600

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.156		10.438	---	116	350	587
0.188		10.374	---	236	471	709
0.203		10.344	---	292	528	767
0.219		10.312	---	352	589	828
0.250	S20	10.250	---	469	708	948
0.279		10.192	108	580	819	1060
0.307	S30	10.136	213	687	927	1169
0.344		10.062	352	828	1070	1314
0.365	Std/S40	10.020	432	909	1152	1396
0.438		9.874	709	1192	1437	1480
0.500	XH/S60	9.750	948	1435	1480	1480
0.562		9.626	1189	1480	1480	1480
0.594	S80	9.562	1314	1480	1480	1480
0.625		9.500	1435	1480	1480	1480
0.719	S100	9.312	1480	1480	1480	1480
0.812		9.126	1480	1480	1480	1480
0.844	S120	9.062	1480	1480	1480	1480
0.875		9.000	1480	1480	1480	1480
0.938		8.874	1480	1480	1480	1480
1.000	XXH/S140	8.750	1480	1480	1480	1480
1.125	S160	8.500	1480	1480	1480	1480
1.250		8.250	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS12 ANSI 150-600

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.172		12.406	---	148	346	545
0.188		12.374	---	198	397	597
0.203		12.344	---	246	445	645
0.219		12.312	---	297	496	697
0.250	S20	12.250	---	395	595	797
0.281		12.188	97	494	695	897
0.312		12.126	195	594	795	998
0.330	S30	12.090	252	652	854	1057
0.344		12.062	297	697	899	1103
0.375	Std	12.000	395	797	1000	1205
0.406	S40	11.938	494	897	1101	1307
0.438		11.874	597	1002	1206	1413
0.500	XH	11.750	797	1205	1411	1480
0.562	S60	11.626	998	1410	1480	1480
0.625		11.500	1205	1480	1480	1480
0.688	S80	11.374	1413	1480	1480	1480
0.750		11.250	1480	1480	1480	1480
0.812		11.126	1480	1480	1480	1480
0.844	S100	11.062	1480	1480	1480	1480
0.875		11.000	1480	1480	1480	1480
0.938		10.874	1480	1480	1480	1480
1.000	XXH/S120	10.750	1480	1480	1480	1480
1.062		10.626	1480	1480	1480	1480
1.125	S140	10.500	1480	1480	1480	1480
1.250		10.250	1480	1480	1480	1480
1.312	S160	10.126	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS14 ANSI 150-600

Head and Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.188		13.624	---	181	361	543
0.203		13.594	---	224	405	587
0.210		13.580	---	244	425	607
0.219		13.562	---	270	451	634
0.250	S10	13.500	---	360	542	725
0.281		13.438	89	450	632	816
0.312	S20	13.376	178	540	723	908
0.344		13.312	270	634	817	1003
0.375	Std/S30	13.250	360	725	909	1095
0.406		13.188	450	816	1001	1188
0.438	S40	13.124	543	911	1096	1284
0.469		13.062	634	1003	1189	1377
0.500	XH	13.000	725	1095	1282	1471
0.562		12.876	908	1281	1469	1480
0.594	S60	12.812	1003	1377	1480	1480
0.625		12.750	1095	1471	1480	1480
0.688		12.624	1284	1480	1480	1480
0.750	S80	12.500	1471	1480	1480	1480
0.812		12.376	1480	1480	1480	1480
0.875		12.250	1480	1480	1480	1480
0.938		12.124	1480	1480	1480	1480
1.000	S100	12.000	1480	1480	1480	1480
1.062		11.876	1480	1480	1480	1480
1.094	S120	11.812	1480	1480	1480	1480
1.125		11.750	1480	1480	1480	1480
1.250	S140	11.500	1480	1480	1480	1480
1.406	S160	11.188	1480	1480	1480	1480
2.000		10.000	1480	1480	1480	1480
2.125		9.750	1480	1480	1480	1480
2.200		9.600	1480	1480	1480	1480
2.500		9.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS16 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.188		---	158	316	474
0.203		---	196	354	513
0.219		---	236	394	554
0.250	S10	---	314	473	633
0.281		78	393	552	713
0.312	S20	155	472	632	792
0.344		236	554	714	875
0.375	Std/S30	314	633	794	955
0.406		393	713	874	1036
0.438		474	795	957	1120
0.469		554	875	1037	1201
0.500	XH/S40	633	955	1118	1282
0.562		792	1117	1281	1446
0.625		955	1282	1447	1480
0.656	S60	1036	1364	1480	1480
0.688		1120	1448	1480	1480
0.750		1282	1480	1480	1480
0.812		1446	1480	1480	1480
0.844	S80	1480	1480	1480	1480
0.875		1480	1480	1480	1480
0.938		1480	1480	1480	1480
1.000		1480	1480	1480	1480
1.031	S100	1480	1480	1480	1480
1.062		1480	1480	1480	1480
1.125		1480	1480	1480	1480
1.188		1480	1480	1480	1480
1.219	S120	1480	1480	1480	1480
1.250		1480	1480	1480	1480
1.438	S140	1480	1480	1480	1480
1.594	S160	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS18 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.188		17.624	---	140	280	421
0.219		17.562	---	210	350	491
0.250	S10	17.500	---	279	420	562
0.281		17.438	69	349	490	632
0.312	S20	17.376	138	419	561	703
0.344		17.312	210	491	633	776
0.375	Std	17.250	279	562	704	847
0.406		17.188	349	632	775	919
0.438	S30	17.124	421	705	849	993
0.469		17.062	491	776	920	1064
0.500	XH	17.000	562	847	992	1136
0.562	S40	16.876	703	990	1135	1281
0.625		16.750	847	1136	1282	1429
0.688		16.624	993	1283	1430	1480
0.750	S60	16.500	1136	1429	1480	1480
0.812		16.376	1281	1480	1480	1480
0.875		16.250	1429	1480	1480	1480
0.938	S80	16.124	1480	1480	1480	1480
1.000		16.000	1480	1480	1480	1480
1.062		15.876	1480	1480	1480	1480
1.125		15.750	1480	1480	1480	1480
1.156	S100	15.688	1480	1480	1480	1480
1.188		15.624	1480	1480	1480	1480
1.250		15.500	1480	1480	1480	1480
1.375	S120	15.250	1480	1480	1480	1480
1.562	S140	14.876	1480	1480	1480	1480
1.781	S160	14.438	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS20 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.219		19.562	---	189	315	442
0.250	S10	19.500	---	251	378	505
0.281		19.438	62	314	441	568
0.312		19.376	124	377	504	632
0.344		19.312	189	442	569	698
0.375	Std/S20	19.250	251	505	633	761
0.406		19.188	314	568	697	825
0.438		19.124	379	634	762	892
0.469		19.062	442	698	826	956
0.500	XH/S30	19.000	505	761	891	1020
0.562		18.876	632	890	1019	1150
0.594	S40	18.812	698	956	1086	1217
0.625		18.750	761	1020	1151	1282
0.688		18.624	892	1152	1283	1415
0.750		18.500	1020	1282	1414	1480
0.812	S60	18.376	1150	1413	1480	1480
0.875		18.250	1282	1480	1480	1480
0.938		18.124	1415	1480	1480	1480
1.000		18.000	1480	1480	1480	1480
1.031	S80	17.938	1480	1480	1480	1480
1.062		17.876	1480	1480	1480	1480
1.125		17.750	1480	1480	1480	1480
1.188		17.624	1480	1480	1480	1480
1.250		17.500	1480	1480	1480	1480
1.281	S100	17.438	1480	1480	1480	1480
1.312		17.376	1480	1480	1480	1480
1.375		17.250	1480	1480	1480	1480
1.500	S120	17.000	1480	1480	1480	1480
1.750	S140	16.500	1480	1480	1480	1480
1.969	S160	16.062	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS22 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.219		21.562	---	171	286	401
0.250	S10	21.500	---	228	343	459
0.281		21.438	56	285	400	516
0.312		21.376	113	342	458	574
0.344		21.312	171	401	517	633
0.375	Std/S20	21.250	228	459	575	691
0.406		21.188	285	516	632	749
0.438		21.124	344	576	692	809
0.469		21.062	401	633	750	868
0.500	XH/S30	21.000	459	691	808	926
0.562		20.876	574	807	925	1043
0.625		20.750	691	926	1044	1163
0.688		20.624	809	1045	1164	1283
0.750		20.500	926	1163	1282	1402
0.812		20.376	1043	1281	1401	1480
0.875	S60	20.250	1163	1402	1480	1480
0.938		20.124	1283	1480	1480	1480
1.000		20.000	1402	1480	1480	1480
1.062		19.876	1480	1480	1480	1480
1.125	S80	19.750	1480	1480	1480	1480
1.188		19.624	1480	1480	1480	1480
1.250		19.500	1480	1480	1480	1480
1.312		19.376	1480	1480	1480	1480
1.375	S100	19.250	1480	1480	1480	1480
1.438		19.124	1480	1480	1480	1480
1.500		19.000	1480	1480	1480	1480
1.625	S120	18.750	1480	1480	1480	1480
1.875	S140	18.250	1480	1480	1480	1480
2.125	S160	17.750	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS24 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.250	S10	23.500	---	209	314	420
0.281		23.438	52	261	367	473
0.312		23.376	104	314	419	525
0.344		23.312	157	368	474	580
0.375	Std/S20	23.250	209	420	526	633
0.406		23.188	261	473	579	686
0.438		23.124	315	527	634	741
0.469		23.062	368	580	687	794
0.500	XH	23.000	420	633	740	847
0.562	S30	22.876	525	739	847	955
0.625		22.750	633	847	955	1064
0.688	S40	22.624	741	956	1065	1174
0.750		22.500	847	1064	1173	1282
0.812		22.376	955	1172	1281	1391
0.875		22.250	1064	1282	1392	1480
0.938		22.124	1174	1393	1480	1480
0.969	S60	22.062	1228	1447	1480	1480
1.000		22.000	1282	1480	1480	1480
1.062		21.876	1391	1480	1480	1480
1.125		21.750	1480	1480	1480	1480
1.188		21.624	1480	1480	1480	1480
1.219	S80	21.562	1480	1480	1480	1480
1.250		21.500	1480	1480	1480	1480
1.312		21.376	1480	1480	1480	1480
1.375		21.250	1480	1480	1480	1480
1.438		21.124	1480	1480	1480	1480
1.500		21.000	1480	1480	1480	1480
1.531	S100	20.938	1480	1480	1480	1480
1.562		20.876	1480	1480	1480	1480
1.812	S120	20.376	1480	1480	1480	1480
2.062	S140	19.876	1480	1480	1480	1480
2.344	S160	19.312	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS26 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.250		25.500	---	193	290	388
0.281		25.438	48	241	338	436
0.312	S10	25.376	96	289	387	485
0.344		25.312	145	339	437	535
0.375	Std	25.250	193	388	485	584
0.406		25.188	241	436	534	633
0.438		25.124	291	486	584	683
0.469		25.062	339	535	633	732
0.500	XH/S20	25.000	388	584	682	781
0.562		24.876	485	681	780	880
0.625		24.750	584	781	881	980
0.688		24.624	683	881	981	1081
0.750		24.500	781	980	1081	1181
0.812		24.376	880	1080	1180	1281
0.875		24.250	980	1181	1282	1383
0.938		24.124	1081	1283	1384	1480
1.000		24.000	1181	1383	1480	1480
1.125		23.750	1383	1480	1480	1480
1.250		23.500	1480	1480	1480	1480
1.375		23.250	1480	1480	1480	1480
1.500		23.000	1480	1480	1480	1480
1.625		22.750	1480	1480	1480	1480
1.750		22.500	1480	1480	1480	1480
1.875		22.250	1480	1480	1480	1480
2.000		22.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS28 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.250		27.500	---	179	269	360
0.281		27.438	44	224	314	405
0.312	S10	27.376	89	269	359	450
0.344		27.312	135	315	405	496
0.375	Std	27.250	179	360	450	542
0.406		27.188	224	405	496	587
0.438		27.124	270	451	542	634
0.469		27.062	315	496	588	679
0.500	XH/S20	27.000	360	542	633	725
0.562		26.876	450	632	724	816
0.625	S30	26.750	542	725	817	909
0.688		26.624	634	817	910	1003
0.750		26.500	725	909	1002	1095
0.812		26.376	816	1001	1094	1188
0.875		26.250	909	1095	1188	1282
0.938		26.124	1003	1189	1283	1377
1.000		26.000	1095	1282	1376	1471
1.125		25.750	1282	1471	1480	1480
1.250		25.500	1471	1480	1480	1480
1.375		25.250	1480	1480	1480	1480
1.500		25.000	1480	1480	1480	1480
1.625		24.750	1480	1480	1480	1480
1.750		24.500	1480	1480	1480	1480
1.875		24.250	1480	1480	1480	1480
2.000		24.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS30 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.250		29.500	---	167	251	336
0.281		29.438	41	209	293	377
0.312	S10	29.376	83	251	335	419
0.344		29.312	126	294	378	463
0.375	Std	29.250	167	336	420	505
0.406		29.188	209	377	462	547
0.438		29.124	252	421	506	591
0.469		29.062	294	463	548	633
0.500	XH/S20	29.000	336	505	590	676
0.562		28.876	419	590	675	761
0.625	S30	28.750	505	676	761	847
0.688		28.624	591	762	848	934
0.750		28.500	676	847	934	1020
0.812		28.376	761	933	1020	1107
0.875		28.250	847	1020	1107	1195
0.938		28.124	934	1108	1195	1283
1.000		28.000	1020	1195	1282	1370
1.062		27.876	1107	1281	1369	1457
1.125		27.750	1195	1370	1458	1480
1.188		27.624	1283	1459	1480	1480
1.250		27.500	1370	1480	1480	1480
1.375		27.250	1480	1480	1480	1480
1.500		27.000	1480	1480	1480	1480
1.625		26.750	1480	1480	1480	1480
1.750		26.500	1480	1480	1480	1480
1.875		26.250	1480	1480	1480	1480
2.000		26.000	1480	1480	1480	1480
2.125		25.750	1480	1480	1480	1480
2.250		25.500	1480	1480	1480	1480
2.375		25.250	1480	1480	1480	1480
2.500		25.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS32 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.250		31.500	---	157	235	314
0.281		31.438	39	196	275	354
0.312	S10	31.376	78	235	314	393
0.344		31.312	118	275	354	434
0.375	Std	31.250	157	314	394	473
0.406		31.188	196	354	433	513
0.438		31.124	236	394	474	554
0.469		31.062	275	434	513	593
0.500	XH/S20	31.000	314	473	553	633
0.562		30.876	393	552	632	713
0.625	S30	30.750	473	633	713	794
0.688	S40	30.624	554	714	794	875
0.750		30.500	633	794	874	955
0.812		30.376	713	874	955	1036
0.875		30.250	794	955	1037	1118
0.938		30.124	875	1037	1119	1201
1.000		30.000	955	1118	1200	1282
1.062		29.876	1036	1199	1281	1364
1.125		29.750	1118	1282	1364	1447
1.188		29.624	1201	1365	1448	1480
1.250		29.500	1282	1447	1480	1480
1.375		29.250	1447	1480	1480	1480
1.500		29.000	1480	1480	1480	1480
1.625		28.750	1480	1480	1480	1480
1.750		28.500	1480	1480	1480	1480
1.875		28.250	1480	1480	1480	1480
2.000		28.000	1480	1480	1480	1480
2.125		27.750	1480	1480	1480	1480
2.250		27.500	1480	1480	1480	1480
2.375		27.250	1480	1480	1480	1480
2.500		27.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS34 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.250		33.500	---	147	222	296
0.281		33.438	36	184	258	333
0.312	S10	33.376	73	221	295	370
0.344		33.312	111	259	333	408
0.375	Std	33.250	147	296	370	445
0.406		33.188	184	333	407	482
0.438		33.124	222	371	446	521
0.469		33.062	259	408	483	558
0.500	XH/S20	33.000	296	445	520	595
0.562		32.876	370	519	595	670
0.625	S30	32.750	445	595	671	746
0.688	S40	32.624	521	671	747	823
0.750		32.500	595	746	822	898
0.812		32.376	670	822	898	974
0.875		32.250	746	898	975	1051
0.938		32.124	823	975	1052	1128
1.000		32.000	898	1051	1128	1205
1.062		31.876	974	1127	1204	1281
1.125		31.750	1051	1205	1282	1360
1.188		31.624	1128	1283	1360	1438
1.250		31.500	1205	1360	1437	1480
1.375		31.250	1360	1480	1480	1480
1.500		31.000	1480	1480	1480	1480
1.625		30.750	1480	1480	1480	1480
1.750		30.500	1480	1480	1480	1480
1.875		30.250	1480	1480	1480	1480
2.000		30.000	1480	1480	1480	1480
2.125		29.750	1480	1480	1480	1480
2.250		29.500	1480	1480	1480	1480
2.375		29.250	1480	1480	1480	1480
2.500		29.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS36 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)	Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"	
		Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	
0.250		35.500	---	139	209	279
0.281		35.438	34	174	244	314
0.312	S10	35.376	69	209	279	349
0.344		35.312	105	245	315	385
0.375	Std	35.250	139	279	350	420
0.406		35.188	174	314	385	455
0.438		35.124	210	350	421	491
0.469		35.062	245	385	456	527
0.500	XH/S20	35.000	279	420	491	562
0.562		34.876	349	490	561	632
0.625	S30	34.750	420	562	633	704
0.688		34.624	491	633	705	776
0.750	S40	34.500	562	704	776	847
0.812		34.376	632	775	847	919
0.875		34.250	704	847	919	992
0.938		34.124	776	920	992	1064
1.000		34.000	847	992	1064	1136
1.062		33.876	919	1063	1136	1209
1.125		33.750	992	1136	1209	1282
1.188		33.624	1064	1210	1283	1356
1.250		33.500	1136	1282	1355	1429
1.375		33.250	1282	1429	1480	1480
1.500		33.000	1429	1480	1480	1480
1.625		32.750	1480	1480	1480	1480
1.750		32.500	1480	1480	1480	1480
1.875		32.250	1480	1480	1480	1480
2.000		32.000	1480	1480	1480	1480
2.125		31.750	1480	1480	1480	1480
2.250		31.500	1480	1480	1480	1480
2.375		31.250	1480	1480	1480	1480
2.500		31.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS38 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.312		37.376	65	198	264	331
0.344		37.312	99	232	298	365
0.375	Std	37.250	132	265	331	398
0.406		37.188	165	298	364	431
0.438		37.124	199	332	398	465
0.469		37.062	232	365	432	499
0.500	XH	37.000	265	398	465	532
0.562		36.876	331	464	531	599
0.625		36.750	398	532	599	667
0.688		36.624	465	600	667	735
0.750		36.500	532	667	734	802
0.812		36.376	599	734	802	870
0.875		36.250	667	802	870	938
0.938		36.124	735	871	939	1007
1.000		36.000	802	938	1007	1075
1.062		35.876	870	1006	1075	1143
1.125		35.750	938	1075	1144	1213
1.188		35.624	1007	1145	1213	1283
1.250		35.500	1075	1213	1282	1351
1.375		35.250	1213	1351	1421	1480
1.500		35.000	1351	1480	1480	1480
1.625		34.750	1480	1480	1480	1480
1.750		34.500	1480	1480	1480	1480
1.875		34.250	1480	1480	1480	1480
2.000		34.000	1480	1480	1480	1480
2.125		33.750	1480	1480	1480	1480
2.250		33.500	1480	1480	1480	1480
2.375		33.250	1480	1480	1480	1480
2.500		33.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS40 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.312		39.376	62	188	251	314
0.344		39.312	94	220	283	346
0.375	Std	39.250	125	251	314	378
0.406		39.188	156	283	346	409
0.438		39.124	189	315	378	442
0.469		39.062	220	346	410	473
0.500	XH	39.000	251	378	441	505
0.562		38.876	314	441	505	568
0.625		38.750	378	505	569	633
0.688		38.624	442	569	633	698
0.750		38.500	505	633	697	761
0.812		38.376	568	697	761	825
0.875		38.250	633	761	826	891
0.938		38.124	698	826	891	956
1.000		38.000	761	891	955	1020
1.062		37.876	825	955	1020	1085
1.125		37.750	891	1020	1086	1151
1.188		37.624	956	1086	1151	1217
1.250		37.500	1020	1151	1216	1282
1.375		37.250	1151	1282	1348	1414
1.500		37.000	1282	1414	1480	1480
1.625		36.750	1414	1480	1480	1480
1.750		36.500	1480	1480	1480	1480
1.875		36.250	1480	1480	1480	1480
2.000		36.000	1480	1480	1480	1480
2.125		35.750	1480	1480	1480	1480
2.250		35.500	1480	1480	1480	1480
2.375		35.250	1480	1480	1480	1480
2.500		35.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS42 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.344		41.312	90	209	270	330
0.375	Std	41.250	119	239	299	360
0.406		41.188	149	269	329	390
0.438		41.124	180	300	360	421
0.469		41.062	209	330	390	451
0.500	XH	41.000	239	360	420	481
0.562		40.876	299	420	480	541
0.625		40.750	360	481	542	602
0.688		40.624	421	542	603	664
0.750		40.500	481	602	663	725
0.812		40.376	541	663	724	785
0.875		40.250	602	725	786	847
0.938		40.124	664	786	848	910
1.000		40.000	725	847	909	971
1.062		39.876	785	909	970	1032
1.125		39.750	847	971	1033	1095
1.188		39.624	910	1033	1095	1158
1.250		39.500	971	1095	1157	1220
1.375		39.250	1095	1220	1282	1345
1.500		39.000	1220	1345	1408	1471
1.625		38.750	1345	1471	1480	1480
1.750		38.500	1471	1480	1480	1480
1.875		38.250	1480	1480	1480	1480
2.000		38.000	1480	1480	1480	1480
2.125		37.750	1480	1480	1480	1480
2.250		37.500	1480	1480	1480	1480
2.375		37.250	1480	1480	1480	1480
2.500		37.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS44 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.344		43.312	86	200	257	315
0.375	Std	43.250	114	228	286	343
0.406		43.188	142	257	314	372
0.438		43.124	171	286	344	401
0.469		43.062	200	315	372	430
0.500	XH	43.000	228	343	401	459
0.562		42.876	285	400	458	516
0.625		42.750	343	459	517	575
0.688		42.624	401	517	575	633
0.750		42.500	459	575	633	691
0.812		42.376	516	632	691	749
0.875		42.250	575	691	750	808
0.938		42.124	633	750	809	868
1.000		42.000	691	808	867	926
1.062		41.876	749	867	925	984
1.125		41.750	808	926	985	1044
1.188		41.624	868	985	1045	1104
1.250		41.500	926	1044	1103	1163
1.375		41.250	1044	1163	1222	1282
1.500		41.000	1163	1282	1342	1402
1.625		40.750	1282	1402	1462	1480
1.750		40.500	1402	1480	1480	1480
1.875		40.250	1480	1480	1480	1480
2.000		40.000	1480	1480	1480	1480
2.125		39.750	1480	1480	1480	1480
2.250		39.500	1480	1480	1480	1480
2.375		39.250	1480	1480	1480	1480
2.500		39.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS46 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
			Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)	Closure MAWP (psig)
0.344		45.312	82	191	246	301
0.375	Std	45.250	109	218	273	328
0.406		45.188	136	246	300	356
0.438		45.124	164	274	329	384
0.469		45.062	191	301	356	411
0.500	XH	45.000	218	328	383	439
0.562		44.876	273	383	438	494
0.625		44.750	328	439	494	549
0.688		44.624	384	494	550	606
0.750		44.500	439	549	605	661
0.812		44.376	494	605	660	716
0.875		44.250	549	661	717	773
0.938		44.124	606	717	773	829
1.000		44.000	661	773	829	885
1.062		43.876	716	828	885	941
1.125		43.750	773	885	941	998
1.188		43.624	829	942	998	1055
1.250		43.500	885	998	1054	1111
1.375		43.250	998	1111	1168	1225
1.500		43.000	1111	1225	1282	1339
1.625		42.750	1225	1339	1397	1454
1.750		42.500	1339	1454	1480	1480
1.875		42.250	1454	1480	1480	1480
2.000		42.000	1480	1480	1480	1480
2.125		41.750	1480	1480	1480	1480
2.250		41.500	1480	1480	1480	1480
2.375		41.250	1480	1480	1480	1480
2.500		41.000	1480	1480	1480	1480

In-Line Figure 700 Closure
Maximum Allowable Working Pressure
Size: NPS46 ANSI 150-600

Head Material: ASME SA516 Grade 70 - Hub Material: ASME SA350 Grade LF2 Class 1 Temperature: -50°F to +400°F

ASME Section VIII Division 1

Closure Hub Wall Thickness (inches)		Closure Hub Bore (in.)	Corrosion Allowance 1/4"	Corrosion Allowance 1/8"	Corrosion Allowance 1/16"	Corrosion Allowance 0.000"
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2.000		42.000	1480	1480	1480	1480
2.125		41.750	1480	1480	1480	1480
2.250		41.500	1480	1480	1480	1480
2.375		41.250	1480	1480	1480	1480
2.500		41.000	1480	1480	1480	1480