

# Z2-600 Performance Data vs CS

J-55, L-80/N-80



website - [www.torquelock.com](http://www.torquelock.com)  
 contact - [info@torquelock.com](mailto:info@torquelock.com)

			1"		1-1/4"		1-1/2"		2-1/16"			
			Z2-600	CS	Z2-600	CS	Z2-600	CS	Z2-600	CS		
<b>PIPE DATA</b>		OD	in.	1.315	1.315	1.660	1.660	1.900	1.900	2.063	2.063	
		Nom. Wt.	lbs/ft	1.72	1.80	2.33	2.40	2.76	2.90	3.25	3.25	
		Wall	in.	0.133	0.133	0.140	0.140	0.145	0.145	0.156	0.156	
		ID Nom.	in.	1.049	1.049	1.380	1.380	1.610	1.610	1.751	1.751	
		Drift	in.	0.955	0.955	1.286	1.286	1.516	1.516	1.657	1.657	
		Area	in <sup>2</sup>	0.4939	0.4939	0.6685	0.6685	0.7995	0.7995	0.9346	0.9346	
	J-55	Pipe Body Yield Strength (Tension)	1000 lbs	27.165	27.165	36.768	36.768	43.973	43.973	51.403	51.403	
		Min Collapse Pressure	lbs/in <sup>2</sup>	10,000	10,000	8,490	8,490	7,750	7,750	7,690	7,690	
		Min Internal Yield (burst) <sup>††</sup>	lbs/in <sup>2</sup>	9,730	9,730	8,120	8,120	7,350	7,350	7,280	7,280	
	L-80/N-80	Pipe Body Yield Strength (Tension)	1000 lbs	39.500	39.500	53.480	53.480	63.960	63.960	74.768	74.768	
		Min Collapse Pressure	lbs/in <sup>2</sup>	14,550	14,550	12,360	12,360	11,280	11,280	11,180	11,180	
		Min Internal Yield (burst) <sup>††</sup>	lbs/in <sup>2</sup>	14,160	14,160	11,810	11,810	10,680	10,680	10,590	10,590	
	<b>CONNECTION DATA</b>		OD	in.	1.550	1.552	1.880	1.883	2.110	2.113	2.325	2.330
			ID	in.	1.049	0.970	1.380	1.312	1.610	1.530	1.751	1.700
			Makeup Loss	in.	2.375	2.22	2.440	2.22	3.250	2.22	3.375	2.31
			Threads Per Inch		7	8	7	8	6	8	6	8
			Tension Compared to Pipe Body	%	100	100	100	100	100	100	100	100
		J-55	Connection Yield Strength Tension	1000 lbs	27.165	27.165	36.768	36.768	43.973	43.973	51.403	51.403
Setting Depth SF-1			ft.	15,792	15,092	15,780	15,320	15,932	15,163	15,816	15,816	
Collapse Setting Depth <sup>†</sup>			ft.	17,780	17,780	15,093	15,093	13,780	13,780	13,670	13,670	
Recommended Makeup Torque			ft-lbs	210 min 310 max	300 min 400 max	250 min 375 max	400 min 500 max	275 min 425 max	600 min 800 max	275 min 480 max	700 min 900 max	
L-80/N-80		Connection Yield Strength Tension	1000 lbs	39.500	39.500	53.500	53.500	63.960	63.960	74.768	74.768	
		Setting Depth SF-1	ft.	22,965	21,944	22,961	22,292	23,174	22,055	23,006	23,006	
		Collapse Setting Depth <sup>†</sup>	ft.	25,866	25,866	21,970	21,970	20,053	20,053	19,875	19,875	
		Recommended Makeup Torque	ft-lbs	300 min 450 max	400 min 500 max	350 min 550 max	600 min 800 max	400 min 600 max	800 min 1000 max	400 min 700 max	900 min 1100 max	

\* API FORMULAS BUL 5C2 5C3

<sup>†</sup> PRESSURE GRADIENT 1/2#/FT AND DESIGN FACTOR 1.125

<sup>††</sup> INTERNAL YIELD (BURST) BASED ON 87.5% MIN YIELD STRENGTH

# Z2-600 Performance Data vs CS

T-95, P-110 / C-110



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			1"		1-1/4"		1-1/2"		2-1/16"		
			Z2-600	CS	Z2-600	CS	Z2-600	CS	Z2-600	CS	
PIPE DATA		OD	in.	1.315	1.315	1.660	1.660	1.900	1.900	2.063	2.063
		Nom. Wt.	lbs/ft	1.72	1.80	2.33	2.40	2.76	2.90	3.25	3.25
		Wall	in.	0.133	0.133	0.140	0.140	0.145	0.145	0.156	0.156
		ID Nom.	in.	1.049	1.049	1.380	1.380	1.610	1.610	1.751	1.751
		Drift	in.	0.955	0.955	1.286	1.286	1.516	1.516	1.657	1.657
		Area	in <sup>2</sup>	0.4939	0.4939	0.6685	0.6685	0.7995	0.7995	0.9346	0.9346
	T-95	Pipe Body Yield Strength (Tension)	1000 lbs	46,921	46,921	63,508	63,508	75,953	75,953	88,787	88,787
		Min Collapse Pressure	lbs/in <sup>2</sup>	17,270	17,270	14,670	14,670	13,190	13,190	12,980	12,980
		Min Internal Yield (burst) <sup>††</sup>	lbs/in <sup>2</sup>	16,810	16,810	14,020	14,020	12,690	12,690	12,570	12,570
	P-110 \ C-110	Pipe Body Yield Strength (Tension)	1000 lbs	54,329	54,329	73,535	73,535	87,945	87,945	102,806	102,806
		Min Collapse Pressure	lbs/in <sup>2</sup>	20,000	20,000	16,990	16,990	14,840	14,840	14,600	14,600
		Min Internal Yield (burst) <sup>††</sup>	lbs/in <sup>2</sup>	19,470	19,470	16,230	16,230	14,690	14,690	14,560	14,560
CONNECTION DATA		OD	in.	1.550	1.552	1.880	1.883	2.110	2.113	2.325	2.330
		ID	in.	1.049	0.970	1.380	1.312	1.610	1.530	1.751	1.700
		Makeup Loss	in.	2.375	2.22	2.440	2.22	3.250	2.22	3.375	2.31
		Threads Per Inch		7	8	7	8	6	8	6	8
		Tension Compared to Pipe Body	%	100	100	100	100	100	100	100	100
	T-95	Connection Yield Strength Tension	1000 lbs	46,921	46,921	63,508	63,508	75,953	75,953	88,787	88,787
		Setting Depth SF-1	ft.	27,280	26,067	27,257	26,462	27,517	26,191	27,319	27,319
		Collapse Setting Depth <sup>†</sup>	ft.	30,700	30,700	26,080	26,080	23,450	23,450	23,080	23,080
		Recommended Makeup Torque	ft-lbs	350 min	400 min	420 min	600 min	475 min	800 min	475 min	900 min
	530 max			500 max	650 max	800 max	725 max	1000 max	830 max	1100 max	
	P-110 \ C-110	Connection Yield Strength Tension	1000 lbs	54,329	54,329	73,535	73,535	87,945	87,945	102,806	102,806
		Setting Depth SF-1	ft.	31,587	30,183	31,560	30,640	31,864	30,326	31,633	31,633
		Collapse Setting Depth <sup>†</sup>	ft.	35,556	35,556	30,204	30,204	26,380	26,380	25,960	25,960
		Recommended Makeup Torque	ft-lbs	410 min	400 min	480 min	600 min	550 min	800 min	590 min	900 min
	600 max			500 max	700 max	800 max	800 max	1000 max	960 max	1100 max	

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