

Z2-600 Performance Data

J-55, L-80/N-80



website - www.torquelock.com
 contact - info@torquelock.com

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

* API FORMULAS BUL 5C2 5C3

[†] PRESSURE GRADIENT 1/2#/FT AND DESIGN FACTOR 1.125

^{††} INTERNAL YIELD (BURST) BASED ON 87.5% MIN YIELD STRENGTH

Z2-600 Performance Data

T-95, P-110 / C-110



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

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[†] PRESSURE GRADIENT 1/2#/FT AND DESIGN FACTOR 1.125

^{††} INTERNAL YIELD (BURST) BASED ON 87.5% MIN YIELD STRENGTH