

PREMIUM TUBING TABLE															
PIPE DATA							CONNECTION DATA				LOAD DATA			TORQUE DATA	
SIZE	WT/FT	WALL	TYPE	GRADE	NOMINAL I.D.	API DRIFT DIAMETER	NOMINAL PIPE BODY AREA	UPSET TURNED O.D.				MINIMUM YIELD LOAD	REFERENCE STRING LENGTH DF=1.6	MINIMUM M	MAXIMUM
								MAKEUP LOSS	STANDARD O.D.	SPECIAL CLEAR	UPSET BORED I.D.				
in.	lbs./ft.	in.			in.	in.	sq. in.	in.	in.	in.	in.	1000 lb.	ft.	ft.-lbs.	ft.-lbs.
1"	1.80	0.113	CS	J-55	1.049	0.955	0.494	2.230	1.552	1.525	0.970	27	9,430	300	375
1"	2.25	0.154	CS	J-55	0.957	0.848	0.639	2.230	1.600	1.525	0.864	35	9,760	300	375
1"	1.80	0.113	CS	L-80/N-81	1.049	0.955	0.494	2.230	1.552	1.525	0.970	40	13,720	400	500
1"	2.25	0.154	CS	L-80/N-82	0.957	0.848	0.639	2.230	1.600	1.525	0.864	51	14,200	400	500
1"	1.80	0.113	CS	P-110	1.049	0.955	0.494	2.230	1.552	1.525	0.970	54	18,870	400	500
1"	2.25	0.154	CS	P-110	0.957	0.848	0.639	2.230	1.600	1.525	0.864	70	19,530	400	500
1 1/4"	2.40	0.140	CS	J-55	1.380	1.286	0.669	2.230	1.883	1.858	1.300	37	9,580	400	500
1 1/4"	3.02	0.191	CS	J-55	1.278	1.184	0.881	2.230	1.927	1.858	1.218	48	10,030	400	500
1 1/4"	3.24	0.198	CS	J-55	1.264	1.170	0.909	2.230	1.927	1.858	1.200	50	9,640	400	500
1 1/4"	2.40	0.140	CS	L-80/N-80	1.380	1.286	0.669	2.230	1.883	1.858	1.300	54	13,940	600	750
1 1/4"	3.02	0.191	CS	L-80/N-80	1.278	1.184	0.881	2.230	1.927	1.858	1.218	71	14,590	600	750
1 1/4"	3.24	0.198	CS	L-80/N-80	1.264	1.170	0.909	2.230	1.927	1.858	1.200	73	14,030	600	750
1 1/4"	2.40	0.140	CS	P-110	1.380	1.286	0.669	2.230	1.883	1.858	1.300	74	19,160	600	750
1 1/4"	3.02	0.191	CS	P-110	1.278	1.184	0.881	2.230	1.927	1.858	1.218	97	20,060	600	750
1 1/4"	3.24	0.198	CS	P-110	1.264	1.170	0.909	2.230	1.927	1.858	1.200	100	19,290	600	750
1 1/2"	2.90	0.145	CS	J-55	1.610	1.516	0.799	2.230	2.113	2.094	1.530	44	9,470	600	750
1 1/2"	3.64	0.200	CS	J-55	1.500	1.406	1.068	2.230	2.162	2.094	1.440	59	10,090	600	750
1 1/2"	4.19	0.219	CS	J-55	1.462	1.368	1.157	2.230	2.179	2.094	1.390	64	9,490	600	750
1 1/2"	2.90	0.145	CS	L-80/N-80	1.610	1.516	0.799	2.230	2.113	2.094	1.530	64	13,780	800	1,000
1 1/2"	3.64	0.200	CS	L-80/N-80	1.500	1.406	1.068	2.230	2.162	2.094	1.440	85	14,670	800	1,000
1 1/2"	4.19	0.219	CS	L-80/N-80	1.462	1.368	1.157	2.230	2.179	2.094	1.390	93	13,810	800	1,000
1 1/2"	2.90	0.145	CS	P-110	1.610	1.516	0.799	2.230	2.113	2.094	1.530	88	18,940	800	1,000
1 1/2"	3.64	0.200	CS	P-110	1.500	1.406	1.068	2.230	2.162	2.094	1.440	117	20,170	800	1,000

PREMIUM TUBING TABLE															
PIPE DATA							CONNECTION DATA				LOAD DATA			TORQUE DATA	
SIZE	WT/FT	WALL	TYPE	GRADE	NOMINAL I.D.	API DRIFT DIAMETER	NOMINAL PIPE BODY AREA	UPSET TURNED O.D.				MINIMUM YIELD LOAD	REFERENCE STRING LENGTH DF=1.6	MINIMUM M	MAXIMUM
								MAKEUP LOSS	STANDARD O.D.	SPECIAL CLEAR	UPSET BORED I.D.				
in.	lbs./ft.	in.			in.	in.	sq. in.	in.	in.	in.	in.	1000 lb.	ft.	ft.-lbs.	ft.-lbs.
1 1/2"	4.19	0.219	CS	P-110	1.462	1.368	1.157	2.230	2.179	2.094	1.390	127	18,980	800	1,000
2 1/16"	3.25	0.156	CS	J-55	1.751	1.657	0.935	2.230	2.330	2.295	1.700	51	9,780	700	8,752
2 1/16"	4.50	0.225	CS	J-55	1.613	1.519	1.299	2.230	2.460	2.407	1.550	71	9,920	700	8,752
2 1/16"	3.25	0.156	CS	L-80/N-80	1.751	1.657	0.935	2.230	2.330	2.295	1.700	75	14,380	900	1,125
2 1/16"	4.50	0.225	CS	L-80/N-80	1.613	1.519	1.299	2.230	2.460	2.407	1.550	104	14,430	900	1,125
2 1/16"	3.25	0.156	CS	P-110	1.751	1.657	0.935	2.230	2.330	2.295	1.700	103	19,780	900	1,125
2 1/16"	4.50	0.225	CS	P-110	1.613	1.519	1.299	2.230	2.460	2.407	1.550	143	19,850	900	1,125
2 3/8"	4.70	0.190	CS	J-55	1.995	1.901	1.304	2.310	2.700	2.655	1.945	72	9,540	1,100	1,375
2 3/8"	5.30	0.218	CS	J-55	1.939	1.845	1.477	2.310	2.750	2.700	1.890	81	9,580	1,100	1,375
2 3/8"	4.70	0.190	CS	L-80/N-80	1.995	1.901	1.304	2.310	2.700	2.655	1.945	104	13,870	1,500	1,875
2 3/8"	5.30	0.218	CS	L-80/N-80	1.939	1.845	1.477	2.310	2.750	2.700	1.890	118	13,930	1,500	1,875
2 3/8"	4.70	0.190	CS	P-110	1.995	1.901	1.304	2.310	2.700	2.655	1.945	143	19,070	1,500	1,875
2 3/8"	5.30	0.218	CS	P-110	1.939	1.845	1.477	2.310	2.750	2.700	1.890	163	19,160	1,500	1,875
2 3/8"	5.95	0.254	PH-6	J-55	1.867	1.773	1.692	3.050	2.906	2.782	1.805	93	9,780		
2 3/8"	6.20	0.261	PH-6	J-55	1.853	1.759	1.733	3.050	2.938	2.794	1.795	95	9,610		
2 3/8"	7.70	0.336	PH-6	J-55	1.703	1.609	1.609	3.050	3.125	2.924	1.645	118	9,610		
2 3/8"	5.95	0.254	PH-6	L-80/N-80	1.867	1.773	1.692	3.050	2.906	2.782	1.805	135	14,220	2,200	2,800
2 3/8"	6.20	0.261	PH-6	L-80/N-80	1.853	1.759	1.733	3.050	2.938	2.794	1.795	139	13,980	2,200	2,800
2 3/8"	7.70	0.336	PH-6	L-80/N-80	1.703	1.609	1.609	3.050	3.125	2.924	1.645	172	13,970	2,200	2,800
2 3/8"	5.95	0.254	PH-6	P-110	1.867	1.773	1.692	3.050	2.906	2.782	1.805	186	19,550	2,700	3,400
2 3/8"	6.20	0.261	PH-6	P-110	1.853	1.759	1.733	3.050	2.938	2.794	1.795	191	19,220	2,700	3,400

PREMIUM TUBING TABLE															
PIPE DATA							CONNECTION DATA				LOAD DATA			TORQUE DATA	
SIZE	WT/FT	WALL	TYPE	GRADE	NOMINAL I.D.	API DRIFT DIAMETER	NOMINAL PIPE BODY AREA	UPSET TURNED O.D.				MINIMUM YIELD LOAD	REFERENCE STRING LENGTH DF=1.6	MINIMUM M	MAXIMUM
								MAKEUP LOSS	STANDARD O.D.	SPECIAL CLEAR	UPSET BORED I.D.				
in.	lbs./ft.	in.			in.	in.	sq. in.	in.	in.	in.	in.	1000 lb.	ft.	ft.-lbs.	ft.-lbs.
2 3/8"	7.70	0.336	PH-6	P-110	1.703	1.609	1.609	3.050	3.125	2.924	1.645	237	19,210	2,700	3,400
2 7/8"	6.50	0.217	CS	J-55	2.441	2.347	1.812	2.390	3.210	3.166	2.371	100	9,580	1,500	1,875
2 7/8"	6.50	0.217	CS	L-80/N-80	2.441	2.347	1.812	2.390	3.210	3.166	2.371	145	13,940	2,100	2,625
2 7/8"	6.50	0.217	CS	P-110	2.441	2.347	1.812	2.390	3.210	3.166	2.371	199	19,170	2,100	2,625
2 7/8"	7.90	0.276	PH-6	J-55	2.323	2.229	2.254	3.040	3.438	3.312	2.265	124	9,810		
2 7/8"	8.70	0.308	PH-6	J-55	2.259	2.165	2.484	3.040	3.500	3.365	2.200	137	9,810		
2 7/8"	9.50	0.340	PH-6	J-55	2.195	2.101	2.708	3.040	3.625	3.419	2.130	149	9,800		
2 7/8"	10.70	0.392	PH-6	J-55	2.091	1.997	3.058	3.040	3.688	3.509	2.030	168	9,820		
2 7/8"	7.90	0.276	PH-6	L-80/N-80	2.323	2.229	2.254	3.040	3.438	3.312	2.265	180	14,260	3,000	3,800
2 7/8"	8.70	0.308	PH-6	L-80/N-80	2.259	2.165	2.484	3.040	3.500	3.365	2.200	199	14,280	3,000	3,800
2 7/8"	9.50	0.340	PH-6	L-80/N-80	2.195	2.101	2.708	3.040	3.625	3.419	2.130	217	14,250	4,500	5,700
2 7/8"	10.70	0.392	PH-6	L-80/N-80	2.091	1.997	3.058	3.040	3.688	3.509	2.030	245	14,290	4,500	5,700
2 7/8"	7.90	0.276	PH-6	P-110	2.323	2.229	2.254	3.040	3.438	3.312	2.265	248	19,610	3,500	4,400
2 7/8"	8.70	0.308	PH-6	P-110	2.259	2.165	2.484	3.040	3.500	3.365	2.200	273	19,630	3,500	4,400
2 7/8"	9.50	0.340	PH-6	P-110	2.195	2.101	2.708	3.040	3.625	3.419	2.130	298	19,600	5,500	6,900
2 7/8"	10.70	0.392	PH-6	P-110	2.091	1.997	3.058	3.040	3.688	3.509	2.030	336	19,650	5,500	6,900
3 1/2"	9.30	0.254	CS	J-55	2.992	2.867	2.590	2.840	3.915	3.859	2.920	142	9,570	2,500	3,125
3 1/2"	10.30	0.289	CS	J-55	2.922	2.797	2.915	2.840	3.915	3.859	2.870	160	9,730	2,500	3,125
3 1/2"	9.30	0.254	CS	L-80/N-80	2.992	2.867	2.591	2.840	3.915	3.859	2.920	207	13,920	3,000	3,750
3 1/2"	10.30	0.289	CS	L-80/N-80	2.922	2.797	2.915	2.840	3.915	3.859	2.870	233	14,150	3,000	3,750
3 1/2"	9.30	0.254	CS	P-110	2.992	2.867	2.590	2.840	3.915	3.859	2.920	285	19,150	3,000	3,750

PREMIUM TUBING TABLE															
PIPE DATA							CONNECTION DATA				LOAD DATA			TORQUE DATA	
SIZE	WT/FT	WALL	TYPE	GRADE	NOMINAL I.D.	API DRIFT DIAMETER	NOMINAL PIPE BODY AREA	UPSET TURNED O.D.				MINIMUM YIELD LOAD	REFERENCE STRING LENGTH DF=1.6	MINIMUM M	MAXIMUM
								MAKEUP LOSS	STANDARD O.D.	SPECIAL CLEAR	UPSET BORED I.D.				
in.	lbs./ft.	in.			in.	in.	sq. in.	in.	in.	in.	in.	1000 lb.	ft.	ft.-lbs.	ft.-lbs.
3 1/2"	10.30	0.289	CS	P-110	2.922	2.797	2.915	2.840	3.915	3.859	2.870	321	19,460	3,000	3,750
3 1/2"	12.95	0.375	PH-6	J-55	2.750	2.625	3.682	3.350	4.313	4.189	2.687	203	9,770		
3 1/2"	15.80	0.476	PH-6	J-55	2.548	2.42									

SIZE	WT/FT	WALL	TYPE	GRADE	NOMINAL I.D.	API DRIFT DIAMETER	NOMINAL PIPE BODY AREA	UPSET TURNED O.D.			MINIMUM YIELD LOAD	REFERENCE STRING LENGTH DF=1.5	MINIMUM	MAXIMUM	
								MAKEUP LOSS	STANDARD O.D.	SPECIAL CLEAR					
in.	lbs./ft.	in.			in.	in.	sq. in.	in.	in.	in.	1000 lb.	ft.	ft.-lbs.	ft.-lbs.	
4 1/2"	15.50	0.337	PH-6	L-80/N-80	3.826	3.701	4.407	3.340	5.125	5.021	3.785	353	14,230	6,000	7,500
4 1/2"	19.20	0.430	PH-6	L-80/N-80	3.640	3.515	5.498	3.340	5.313	5.170	3.560	440	14,320	7,500	9,400
4 1/2"	15.50	0.337	PH-6	P-110	3.826	3.701	4.407	3.340	5.125	5.021	3.785	485	19,560	7,500	9,400
4 1/2"	19.20	0.430	PH-6	P-110	3.640	3.515	5.498	3.340	5.313	5.170	3.560	605	19,690	9,500	11,900