



# Seamless Engineering

Common Oilfield Dimensions and Thermoplastic Liner Specifications

* Lined Tubing Drift Specifications							
Tubing		Liner Drift		Liner Thickness		Liner Weight	
in.	mm	in.	mm	in.	mm	lb/ft	kg/m
2 3/8	60.3	1.60	40.64	0.120	3.048	0.40	0.60
2 7/8	73.0	2.00	50.80	0.140	3.556	0.47	0.70
3 1/2	88.9	2.50	63.50	0.160	4.064	0.64	0.95
4 1/2	114.3	3.40	86.36	0.180	4.572	0.95	1.41

\* Specs are for Standard Polycore - Please call your representative for Specs on Modified Polycore, Enertube, Ultratube and Extremetube

API Standard Dimensions										* Lined Tubing Dimensions				API EUE 8rd Coupling OD			
Tubing Diameter		Weights		Wall Thickness		Nominal ID		Drift Diameter		Nominal ID		Drift Diameter		Regular		Slim Hole	
in.	mm	lb/ft	kg/m	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2 3/8	60.3	4.70	6.99	0.190	4.83	1.995	50.67	1.901	48.28	1.720	43.68	1.600	40.64	3.063	77.80	2.910	73.91
2 7/8	73.0	6.50	9.67	0.217	5.51	2.441	62.00	2.347	59.61	2.160	54.86	2.000	50.80	3.668	93.16	3.460	87.88
3 1/2	88.9	9.30	13.84	0.254	6.45	2.992	75.99	2.867	72.82	2.670	67.81	2.500	63.50	4.500	114.3	4.180	106.17
4 1/2	114.3	12.75	18.97	0.271	6.88	3.958	100.53	3.833	97.35	3.680	93.47	3.400	86.36	5.563	141.3	5.094	129.38

Casing Diameter		Weights		Wall Thickness		Nominal ID		Drift Diameter		Nominal ID		Drift Diameter		Regular		Slim Hole	
in.	mm	lb/ft	kg/m	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
4 1/2	114.3	9.50	14.14	0.205	5.21	4.090	103.9	3.965	100.7	3.750	95.25	3.500	88.90	5.000	127.0	N/A	N/A
4 1/2	114.3	10.50	15.63	0.224	5.69	4.052	102.9	3.927	99.7	3.700	93.98	3.500	88.90	5.000	127.0	N/A	N/A
4 1/2	114.3	11.60	17.26	0.250	6.35	4.000	101.6	3.875	98.4	3.640	92.45	3.500	88.90	5.000	127.0	N/A	N/A
5 1/2	139.7	14.00	20.83	0.244	6.20	5.012	127.3	4.887	124.1	4.600	116.84	4.500	114.3	6.050	153.6	N/A	N/A
5 1/2	139.7	15.50	23.07	0.275	6.98	4.950	125.7	4.825	122.6	4.550	115.57	4.400	111.76	6.050	153.6	N/A	N/A
5 1/2	139.7	17.00	25.30	0.304	7.72	4.892	124.3	4.767	121.1	4.490	114.04	4.300	109.22	6.050	153.6	N/A	N/A
5 1/2	139.7	20.00	29.76	0.361	9.17	4.778	121.4	4.653	118.2	4.380	111.25	4.200	106.68	6.050	153.6	N/A	N/A

Sucker Rod Dimensions					
Rod Size		Regular Coupling OD		Slim Hole Coupling OD	
in.	mm	in.	mm	in.	mm
1/2	12.7	N/A	N/A	1.00	25.4
5/8	15.8	1.500	38.1	1.250	31.7
3/4	19.1	1.625	41.3	1.500	38.1
7/8	22.2	1.813	46.1	1.625	41.2
1	25.4	2.188	55.6	2.000	50.8
1 1/8"	28.6	2.375	60.3	N/A	N/A

API Torque (ft/lbs)				
Tubing		Min	Opt	Max
2 3/8	J-55	970	1290	1610
60.3mm	L-80	1320	1760	2200
2 7/8	J-55	1240	1650	2060
73.0mm	L-80	1690	2250	2810
3 1/2	J-55	1710	2280	2850
88.9mm	L-80	2350	3130	3910
4 1/2	J-55	2150	2866	3580
114.3 mm	L-80	2960	3940	4930

Insert Pump							
Tubing Size		Insert Bore		Barrel OD		Hold Down No-Go Seat	
in.	mm	in.	mm	in.	mm	in.	mm
2 3/8	60.3	1.25	31.7	1.625	41.2	1.531	38.8
2 7/8	73.0	1.50	38.1	1.750	44.4	1.875	47.6
3 1/2	88.9	2.00	50.8	2.250	57.1	2.344	59.5

Polycore Tubular Linings Corporation recommends connection make up between API Minimum and Optimum torque.