

Tubing Size	Normal Weight		Grade	Wall Thick. In.	Inside Dia. In.	Threaded Coupling				Collapse Resistance PSI	Internal Yield Pressure PSI	Joint Yield Strength		Capacity bbl/ft		Displacement	
	T&C Non-Upset lb/ft	T&C Upset lb/ft				Drift Dia In.	Non-Upset In.	Upset In.	Upset Outside dia.			Upset Spec In.	T&C Non-Upset Lb	T&C Upset Lb	T&C Non-Upset bbl/ft	T&C Upset bbl/ft	
3/4	1.050	1.14	1.20	H-40	0.113	.824	.730	1.313	1.660		7,680	7,530	6,360	13,300	0.00066	0.00041	0.00044
	1.050	1.14	1.20	J-55	0.113	.824	.730	1.313	1.660		10,560	10,560	8,740	18,290	0.00066	0.00041	0.00044
	1.050	1.14	1.20	C-75	0.113	.824	.730	1.313	1.660		14,410	14,130	11,920	24,940	0.00066	0.00041	0.00044
	1.050	1.14	1.20	N-80	0.113	.824	.730	1.313	1.660		15,370	15,070	12,710	26,610	0.00066	0.00041	0.00044
1	1.315	1.70	1.80	H-40	0.133	1.049	.955	1.660	1.900		7,270	7,080	10,960	19,760	0.00107	0.00062	0.00065
	1.315	1.70	1.80	J-55	0.133	1.049	.955	1.660	1.900		10,000	9,730	15,060	27,160	0.00107	0.00062	0.00065
	1.315	1.70	1.80	C-75	0.133	1.049	.955	1.660	1.900		13,640	13,270	20,540	37,040	0.00107	0.00062	0.00065
	1.315	1.70	1.80	N-80	0.133	1.049	.955	1.660	1.900		14,550	14,160	21,910	39,510	0.00107	0.00062	0.00065
1 1/4	1.660	2.30	2.40	H-40	0.125	1.410	1.286	2.054	2.200		5,570	5,270			0.00193		
	1.660	2.30	2.40	H-40	0.140	1.380	1.286	2.054	2.200		6,180	5,900	15,530	26,740	0.00185	0.00084	0.00087
	1.660	2.30	2.40	J-55	0.140	1.380	1.286	2.054	2.200		8,490	8,120	21,360	36,770	0.00185	0.00084	0.00087
	1.660	2.30	2.40	C-75	0.140	1.380	1.286	2.054	2.200		11,580	11,070	29,120	50,140	0.00185	0.00084	0.00087
1.660	2.30	2.40	N-80	0.140	1.380	1.286	2.054	2.200		12,360	11,810	31,060	53,480	0.00185	0.00084	0.00087	

Tubing Size	Normal Weight		Grade	Wall Thick. In.	Inside Dia. In.	Drift Dia In.	Threaded Coupling			Collapse Resistance PSI	Internal Yield Pressure PSI	Joint Yield Strength		Capacity bbl/ft		Displacement	
	T&C Non-Upset lb/ft	T&C Upset lb/ft					Non-Upset In.	Upset Rea. In.	Upset Spec In.			T&C Non-Upset Lb	T&C Upset Lb	T&C Non-Upset bbl/ft	T&C Upset bbl/ft		
1 1/2	1.900	2.75	H-40	0.145	1.610	1.516	2.200	2.500		5,640	5,340	19,090	31,980	0.00252	0.00100	0.00106	
	1.900	2.75	J-55	0.145	1.610	1.516	2.200	2.500		7,750	7,350	26,250	43,970	0.00252	0.00100	0.00106	
	1.900	2.75	C-75	0.145	1.610	1.516	2.200	2.500		10,570	10,020	35,800	59,960	0.00252	0.00100	0.00106	
	1.900	2.75	N-80	0.145	1.610	1.516	2.200	2.500		11,280	10,680	38,130	63,950	0.00252	0.00100	0.00106	
2 1/16	2.063		H-40	0.156	1.751					7,770	7,630			0.00298			
	2.063		J-55	0.156	1.751					7,690	7,280			0.00298			
	2.063		C-75	0.156	1.751					10,480	9,920			0.00298			
	2.063		N-80	0.156	1.751					11,180	10,590			0.00298			

Tubing Size	Normal Weight		Grade	Wall Thick. In.	Inside Dia. In.	Drift Dia In.	Threaded Coupling			Collapse Resistance PSI	Internal Yield Pressure PSI	Joint Yield Strength		Capacity bbl/ft		Displacement	
	OD In.	T&C Non-Upset lb/ft					T&C Upset lb/ft	Non-Upset In.	Upset Rea. In.			Upset Spec In.	T&C Non-Upset Lb	T&C Upset Lb	T&C Non-Upset bbl/ft	T&C Upset bbl/ft	
2 3/8	2.375	4.00	H-40	0.167	2.041	1.947	2.875	2.875		5,230	4,920	30,130		0.00405	0.00146		
	2.375	4.60	H-40	0.190	1.995	1.901	2.875	3.063	2.910	5,890	5,600	35,960	52,170	0.00387	0.00167	0.00171	
	2.375	4.60	J-55	0.190	1.995	1.901	2.875	3.063	2.910	8,100	7,700	49,450	71,730	0.00387	0.00167	0.00171	
	2.375	4.60	C-75	0.190	1.995	1.901	2.875	3.063	2.910	11,040	10,500	67,430	97,820	0.00387	0.00167	0.00171	
	2.375	5.80	C-75	0.254	1.867	1.773	2.875	3.063	2.910	14,330	14,040	96,560	126,940	0.00339	0.00211	0.00216	
	2.375	4.60	N-80	0.190	1.995	1.901	2.875	3.063	2.910	11,780	11,200	71,930	104,340	0.00387	0.00167	0.00171	
	2.375	5.80	N-80	0.254	1.867	1.773	2.875	3.063	2.910	15,280	14,970	102,990	135,400	0.00339	0.00211	0.00216	
	2.375	4.60	P-105	0.190	1.995	1.901	2.875	3.063	2.910	15,460	14,700	94,410	136,940	0.00387	0.00167	0.00171	
	2.375	5.80	P-105	0.254	1.867	1.773	2.875	3.063	2.910	20,060	19,650	135,180	177,710	0.00339	0.00211	0.00216	

Tubing Size	Normal Weight		Grade	Wall Thick. In.	Inside Dia. In.	Drift Dia In.	Threaded Coupling			Collapse Resistance PSI	Internal Yield Pressure PSI	Joint Yield Strength		Capacity bbl/ft	Displacement	
	T&C Non-Upset lb/ft	T&C Upset lb/ft					Non-Upset In.	Upset Rea. In.	Upset Spec In.			T&C Non-Upset Lb	T&C Upset Lb		T&C Non-Upset bbl/ft	T&C Upset bbl/ft
2 7/8	2.875	6.40	H-40	0.217	2.441	2.347	3.500	3.668	3.460	5,580	5,280	52,780	72,480	0.00579	0.00233	0.00236
	2.875	6.40	J-55	0.217	2.441	2.347	3.500	3.668	3.460	7,680	7,260	72,580	99,660	0.00579	0.00233	0.00236
	2.875	6.40	C-75	0.217	2.441	2.347	3.500	3.668	3.460	10,470	9,910	98,970	135,900	0.00579	0.00233	0.00236
	2.875	8.60	C-75	0.308	2.259	2.165	3.500	3.668	3.460	14,350	14,060	149,360	185,290	0.00496	0.00313	0.00317
	2.875	6.40	N-80	0.217	2.441	2.347	3.500	3.668	3.460	11,170	10,570	105,570	144,960	0.00579	0.00233	0.00236
	2.875	8.60	N-80	0.308	2.259	2.165	3.500	3.668	3.460	15,300	15,000	159,310	198,710	0.00496	0.00313	0.00317
	2.875	6.40	P-105	0.217	2.441	2.347	3.500	3.668	3.460	14,010	13,870	138,560	190,260	0.00579	0.00233	0.00236
	2.875	8.60	P-105	0.308	2.259	2.165	3.500	3.668	3.460	20,090	19,690	209,100	260,810	0.00496	0.00313	0.00317
3 1/2	3.500	7.70	H-40	0.216	3.068	2.943	4.250			4,630	4,320	65,070		0.00914	0.00280	
	3.500	9.20	H-40	0.254	2.992	2.867	4.250	4.500	4.180	5,380	5,080	79,540	103,810	0.00870	0.00335	0.00338
	3.500	10.20	H-40	0.289	2.922	2.797	4.250			6,060	5,780	92,550		0.00829	0.00371	
	3.500	7.70	J-55	0.215	3.068	2.943	4.250			5,970	5,940	89,470		0.00914	0.00262	

Tubing Size	Normal Weight		Grade	Wall Thick. In.	Inside Dia. In.	Drift Dia In.	Threaded Coupling			Collapse Resistance PSI	Internal Yield Pressure PSI	Joint Yield Strength		Capacity bbl/ft		Displacement	
	T&C Non-Upset lb/ft	T&C Upset lb/ft					Non-Upset In.	Upset Rea. In.	Upset Spec In.			T&C Non-Upset Lb	T&C Upset Lb	Non-Upset bbl/ft	T&C Upset bbl/ft		
3 1/2	3.500	9.20	J-55	0.254	2.922	2.867	4.250			7,400	6,990	127,250	0.00829	0.00371			
	3.500	10.20	J-55	0.289	2.922	2.797	4.250			8,330	7,950	127,250	0.00829	0.00371			
	3.500	7.70	C-75	0.216	3.068	2.943	4.250			7,540	8,100	122,010	0.00914	0.00280			
	3.500	10.20	C-75	0.289	2.922	2.797	4.250			11,360	10,840	173,530	0.00829	0.00371			
	3.500	12.70	C-75	0.375	2.750	2.625	4.250	4.500	4.180	14,350	14,060	230,990	0.00735	0.00462	0.00471		
	3.500	7.70	N-80	0.216	3.068	2.943	4.250			7,870	8,640	130,140	0.00914	0.00280			
	3.500	10.20	N-80	0.289	2.922	2.797	4.250			12,120	11,560	185,100	0.00829	0.00371			
	3.500	12.70	N-80	0.375	2.750	2.625	4.250	4.500	4.180	15,310	15,000	246,390	0.00735	0.00462	0.00471		
	3.500	9.20	P-105	0.254	2.992	2.867	4.250	4.500	4.180	13,050	13,340	208,800	0.00870	0.00335	0.00338		
	3.500	12.70	P-105	0.375	2.750	2.625	4.250	4.500	4.180	20,090	19,690	323,390	0.00735	0.00462	0.00471		

Tubing Size	Normal Weight		Grade	Wall Thick. In.	Inside Dia. In.	Drift Dia In.	Threaded Coupling			Collapse Resistance PSI	Internal Yield Pressure PSI	Joint Yield Strength		Capacity bbl/ft	Displacement	
	T&C Non-Upset lb/ft	T&C Upset lb/ft					Non-Upset In.	Upset Rea. In.	Upset Spec In.			T&C Non-Upset Lb	T&C Upset Lb		T&C Non-Upset bbl/ft	T&C Upset bbl/ft
4	4.000	9.50	H-40	0.226	3.548	3.423	4.750			4,050	3,960	72,000	0.01223	0.00346		
	4.000	11.00	H-40	0.262	3.476	3.351	5.000			4,900	4,590	123,070	0.01174		0.00400	
	4.000	9.50	J-55	0.226	3.548	3.423	4.750			5,110	5,440	99,010	0.01223	0.00346		
	4.000	11.00	J-55	0.262	3.476	3.351	5.000			6,590	6,300	169,220	0.01174		0.00400	
	4.000	9.50	C-75	0.226	3.548	3.423	4.750			6,350		135,010	0.01223	0.00346		
	4.000	11.00	C-75	0.262	3.476	3.351	5.000			8,410	8,600	230,750	0.01174		0.00400	
	4.000	9.50	N-80	0.226	3.548	3.423	4.750			6,590	7,910	144,010	0.01223	0.00346		
	4.000	11.00	N-80	0.262	3.476	3.351	5.000			8,800	9,170	246,140	0.01174		0.00400	
4 1/2	4.500	12.60	H-40	0.271	3.958	3.833	5.200	5.563		4,490	4,220	104,360	0.01522	0.00458	0.00464	
	4.500	12.60	J-55	0.271	3.958	3.833	5.200	5.563		5,730	5,800	143,500	0.01522	0.00458	0.00464	
	4.500	12.60	C-75	0.271	3.958	3.833	5.200	5.563		7,200	7,900	195,680	0.01522	0.00458	0.00464	
	4.500	12.60	N-80	0.271	3.958	3.833	5.200	5.563		7,500	8,430	208,730	0.01522	0.00458	0.00464	

40 Premium Connection Tubing

Tubing Size	Connection Data			Tube Data															
	Outer Dia. In.	Inner Dia. In.	Make-up Torque	Grade	Outer Dia. In.	Inner Dia. In.	Drift	Wall Thick	Cross Section	100% Yield	Ult. Strength	Depth 100%	Pull 100%	PSI Burst 100%	Collapse 100%	Cap. Gals/1000 ft	Disp. bbls/ft		
3/4" CS HYDRIL 1.5# P-110	1.327	0.687	300	P-110	1.050	0.742	0.648	0.154	0.433	110,000	125,000	31,700	47,600	32,200	26,200	22.5	15.3	0.00054	0.00036
1" CS HYDRIL 2.25# C-75	1.600	0.864	400	C-75	1.315	0.957	0.848	0.179	0.639	75,000	95,000	21,300	48,000	20,400	17,600	37.4	34.4	0.00089	0.00082
1" CS HYDRIL 2.25# N-80/L-80	1.600	0.864	400	N-L-80	1.315	0.957	0.848	0.179	0.639	80,000	100,000	22,600	51,000	21,800	18,800	37.4	34.4	0.00089	0.00082
1" CS HYDRIL 2.25# I-95	1.600	0.864	400	T-95	1.315	0.957	0.848	0.179	0.639	95,000	105,000	27,000	60,700	25,900	22,300	37.4	34.4	0.00089	0.00082
1" CS HYDRIL 2.25# P-110	1.600	0.864	400	P-110	1.315	0.957	0.848	0.179	0.639	110,000	125,000	31,200	70,300	29,900	25,900	37.4	34.4	0.00089	0.00082
1" CS HYDRIL 2.25# S-135	1.600	0.864	500	S-135	1.315	0.957	0.848	0.179	0.639	135,000	145,000	38,300	86,200	36,700	31,700	37.4	34.4	0.00089	0.00082
1-1/4" CS HYDRIL 3.02# C-75	1.927	1.218	600	C-75	1.660	1.278	1.184	0.191	0.881	75,000	95,000	21,800	66,000	17,200	15,200	66.6	46.2	0.00159	0.00110
1-1/4" CS HYDRIL 3.02# N-80/L-80	1.927	1.218	600	N-L-80	1.660	1.278	1.184	0.191	0.881	80,000	100,000	23,500	71,000	18,400	16,200	66.6	46.2	0.00159	0.00110
1-1/4" CS HYDRIL 3.02# I-95	1.927	1.218	600	T-95	1.660	1.278	1.184	0.191	0.881	95,000	105,000	27,700	83,700	21,900	19,300	66.6	46.2	0.00159	0.00110
1-1/4" CS HYDRIL 3.02# P-110	1.927	1.218	600	P-110	1.660	1.278	1.184	0.191	0.881	110,000	125,000	32,000	96,600	25,300	22,400	66.6	46.2	0.00159	0.00110
1-1/4" CS HYDRIL 3.02# S-135	1.927	1.218	600	S-135	1.660	1.278	1.184	0.191	0.881	135,000	145,000	39,400	119,000	31,000	27,500	66.6	46.2	0.00159	0.00110
1-1/2" CS HYDRIL 3.64# N-80/L-80	2.162	1.440	800	N-L-80	1.900	1.500	1.406	0.200	1.068	80,000	100,000	23,300	85,000	16,800	15,000	91.8	55.7	0.00219	0.00133
1-1/2" CS HYDRIL 3.64# P-110	2.162	1.440	800	P-110	1.900	1.500	1.406	0.200	1.068	110,000	125,000	32,300	117,500	23,000	20,700	91.8	55.7	0.00219	0.00133
1-1/2" CS HYDRIL 3.64# S-135	2.162	1.440	800	S-135	1.900	1.500	1.406	0.200	1.068	135,000	145,000	39,600	144,199	28,421	25,429	91.8	55.7	0.00219	0.00133
2-1/8" CS HYDRIL 3.25# N-80/L-80	2.330	1.700	900	N-L-80	2.063	1.751	1.657	0.156	0.935	80,000	100,000	23,000	75,000	12,100	11,200	125.0	49.7	0.00298	0.00118
2-3/8" EUE BRD 4.7# N-80/L-80	3.063	1.995	1,500	N-L-80	2.375	1.995	1.901	0.190	1.304	80,000	100,000	22,200	104,300	12,800	11,770	162.3	71.9	0.00386	0.00171

Premium Connection Tubing 41

Tubing Size	Connection Data				Tube Data														
	Outer Dia. In.	Inner Dia. In.	Make-up Torque	Grade	Outer Dia. In.	Inner Dia. In.	Drift	Wall Thick	Cross Section	100% Yield	Ult. Strength	Depth 100%	Pull 100%	PSI Burst 100%	Collapse 100%	Cap. Gals/1000 ft	Disp. bbls/ft		
2-3/8" PH-6 HYDRIL 5.95# N-80/L-80	2.906	1.805	2,200	N-L-80	2.375	1.867	1.773	0.254	1.692	80,000	100,000	22,700	135,000	17,100	15,300	142.2	91.0	0.00339	0.00217
2-3/8" PH-6 HYDRIL 5.95# RY-85	2.906	1.805	2,200	RY-85	2.375	1.867	1.773	0.254	1.692	85,000	100,000	24,100	143,800	18,200	16,240	142.2	91.0	0.00339	0.00217
2-3/8" PH-6 HYDRIL 5.95# T-95	2.906	1.805	2,200	T-95	2.375	1.867	1.773	0.254	1.692	95,000	110,000	27,000	160,740	19,665	17,595	142.2	91.0	0.00339	0.00217
2-3/8" PH-6 HYDRIL 5.95# P-110	2.906	1.805	2,700	P-110	2.375	1.867	1.773	0.254	1.692	105,000	120,000	29,900	178,000	22,500	20,060	142.2	91.0	0.00339	0.00217
2-7/8" EUE BRD 6.5# N-80/L-80	3.668	2.441	2,300	N-L-80	2.875	2.441	2.347	0.217	1.812	80,000	100,000	22,300	145,000	12,100	11,160	243.0	99.5	0.00579	0.00237
2-7/8" PH-6 HYDRIL 8.7# N-80/L-80	3.500	2.200	3,000	N-L-80	2.875	2.259	2.165	0.308	2.484	80,000	100,000	22,800	198,700	17,140	15,300	208.1	133.1	0.00495	0.00317
2-7/8" PH-6 HYDRIL 7.9# N-80/L-80	3.437	2.265	3,000	N-L-80	2.875	2.323	2.229	0.276	2.254	80,000	100,000	22,800	180,000	15,300	13,900	220.0	120.9	0.00524	0.00288
2-7/8" PH-6 HYDRIL 7.9# T-95	3.437	2.265	3,200	T-95	2.875	2.323	2.229	0.276	2.254	95,000	110,000	27,098	214,082	18,000	16,000	220.0	120.9	0.00524	0.00288
2-7/8" PH-6 HYDRIL 7.9# P-110	3.437	2.265	3,500	P-110	2.875	2.323	2.229	0.276	2.254	105,000	120,000	29,900	236,000	20,100	18,200	220.0	120.9	0.00524	0.00288
3-1/2" EUE BRD 9.3# N-80/L-80	4.500	2.992	2,400-3,200	N-L-80	3.500	2.992	2.867	0.254	2.590	80,000	100,000	22,200	207,200	11,600	10,700	365.2	134.5	0.00870	0.00320
3-1/2" EUE BRD 9.3# P-110	4.500	2.992	3,000-4,000	P-110	3.500	2.992	2.867	0.254	2.590	110,000	125,000	30,600	284,900	15,900	14,800	365.2	134.5	0.00870	0.00320
3-1/2" PH-6 HYDRIL 12.95# N-80/L-80	4.312	2.687	5,500	N-L-80	3.500	2.750	2.625	0.375	3.682	80,000	100,000	22,700	294,500	17,100	15,310	308.4	198.1	0.00734	0.00472
3-1/2" PH-6 HYDRIL 12.95# T-95	4.312	2.687	6,000	T-95	3.500	2.750	2.625	0.375	3.682	95,000	105,000	27,000	386,600	20,300	18,100	308.4	198.1	0.00734	0.00472
3-1/2" PH-6 HYDRIL 12.95# P-110	4.312	2.687	7,000	P-110	3.500	2.750	2.625	0.375	3.682	105,000	120,000	29,800	386,600	22,500	20,090	308.4	198.1	0.00734	0.00472
4-1/2" PH-6 HYDRIL 15.50# P-110	5.125	3.765	8,500	P-110	4.500	3.826	3.701	0.337	4.407	110,000	125,000	31,300	485,000	16,480	14,340	598.0	229.2	0.01424	0.00546