

CS® Tubing Make-Up Torque Chart

OD (in.)	Weight (lb/ft)	Grade	PH-6 Tubing (ft-lbs)			OD (in.)	Weight (lb/ft)	Grade	PH-6 Tubing (ft-lbs)		
			Opt.	Min.	Max.				Opt.	Min.	Max.
1.050	1.20	J-55	250	200	300	2.063	4.50	J-55	800	700	900
		L-80	350	300	400			L-80	1000	900	1100
		C-90	350	300	400			C-90	1000	900	1100
		T-95	350	300	400			T-95	1000	900	1100
		P-110	350	300	400			P-110	1000	900	1100
1.050	1.50	J-55	250	200	300	2.375	4.70	J-55	1250	1100	1400
		L-80	350	300	400			L-80	1700	1500	1900
		C-90	350	300	400			C-90	1700	1500	1900
		T-95	350	300	400			T-95	1700	1500	1900
		P-110	350	300	400			P-110	1700	1500	1900
1.315	1.80	J-55	350	300	400	2.375	5.30	J-55	1250	1100	1400
		L-80	450	400	500			L-80	1700	1500	1900
		C-90	450	400	500			C-90	1700	1500	1900
		T-95	450	400	500			T-95	1700	1500	1900
		P-110	450	400	500			P-110	1700	1500	1900
1.315	2.25	J-55	350	300	400	2.875	6.50	J-55	1700	1500	1900
		L-80	450	400	500			L-80	2350	2100	2600
		C-90	450	400	500			C-90	2350	2100	2600
		T-95	450	400	500			T-95	2350	2100	2600
		P-110	450	400	500			P-110	2350	2100	2600
1.660	2.40	J-55	450	400	500	3.500	10.30	J-55	2800	2500	3100
		L-80	700	600	800			L-80	3400	3000	3800
		C-90	700	600	800			C-90	3400	3000	3800
		T-95	700	600	800			T-95	3400	3000	3800
		P-110	700	600	800			P-110	3400	3000	3800
1.660	3.02	J-55	450	400	500	3.500	9.20	J-55	2800	2500	3100
		L-80	700	600	800			L-80	3400	3000	3800
		C-90	700	600	800			C-90	3400	3000	3800
		T-95	700	600	800			T-95	3400	3000	3800
		P-110	700	600	800			P-110	3400	3000	3800
1.660	3.24	J-55	450	400	500	4.000	11.00	J-55	3400	3000	3800
		L-80	700	600	800			L-80	3950	3500	4400
		C-90	700	600	800			C-90	3950	3500	4400
		T-95	700	600	800			T-95	3950	3500	4400
		P-110	700	600	800			P-110	3950	3500	4400
1.900	2.90	J-55	700	600	800	4.500	12.75	J-55	3950	3500	4400
		L-80	900	800	1000			L-80	5050	4500	5600
		C-90	900	800	1000			C-90	5050	4500	5600
		T-95	900	800	1000			T-95	5050	4500	5600
		P-110	900	800	1000			P-110	5050	4500	5600
1.900	3.64	J-55	700	600	800	4.500	13.50	J-55	3950	3500	4400
		L-80	900	800	1000			L-80	5050	4500	5600
		C-90	900	800	1000			C-90	5050	4500	5600
		T-95	900	800	1000			T-95	5050	4500	5600
		P-110	900	800	1000			P-110	5050	4500	5600
1.900	4.19	J-55	700	600	800	5.000	18.00	J-55	5650	5000	6300
		L-80	900	800	1000			L-80	7750	6900	8600
		C-90	900	800	1000			C-90	8650	7700	9600
		T-95	900	800	1000			T-95	9100	8100	10100
		P-110	900	800	1000			P-110	10350	9200	11500
2.063	3.25	J-55	800	700	900	5.000	20.30	J-55	5850	5200	6500
		L-80	1000	900	1100			L-80	8000	7100	8900
		C-90	1000	900	1100			C-90	8900	7900	9900
		T-95	1000	900	1100			T-95	9350	8300	10400
		P-110	1000	900	1100			P-110	10600	9400	11800

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			Opt.	Min.	Max.				Opt.	Min.	Max.
5.000	21.40	J-55	6650	5900	7400	6.625	32.00	J-55	11600	10300	12900
		L-80	9000	8000	10000			L-80	15850	14100	17600
		C-90	10000	8900	11100			C-90	17550	15600	19500
		T-95	10600	9400	11800			T-95	18700	16400	21000
		P-110	11950	10600	13300			P-110	20850	18700	23000
5.000	23.20	J-55	7750	6900	8600	6.625	33.00	J-55	11800	10500	13100
		L-80	10700	9500	11900			L-80	16100	14300	17900
		C-90	11800	10500	13100			C-90	17800	15800	19800
		T-95	12400	11000	13800			T-95	18800	16600	21000
		P-110	14050	12500	15600			P-110	21450	18900	24000
5.000	24.10	J-55	7900	7000	8800	6.625	34.50	J-55	12050	10700	13400
		L-80	10800	9600	12000			L-80	16300	14500	18100
		C-90	11950	10600	13300			C-90	18000	16000	20000
		T-95	12500	11100	13900			T-95	18900	16800	21000
		P-110	14200	12600	15800			P-110	21550	19100	24000
5.000	27.00	J-55	8200	7300	9100	7.000	29.00	J-55	12150	10800	13500
		L-80	11150	9900	12400			L-80	16900	15000	18800
		C-90	12250	10900	13600			C-90	18900	16800	21000
		T-95	12850	11400	14300			T-95	19800	17600	22000
		P-110	14500	12900	16100			P-110	22500	20000	25000
5.500	17.00	J-55	4750	4200	5300	7.000	32.00	J-55	12500	11100	13900
		L-80	6550	5800	7300			L-80	17350	15400	19300
		C-90	7200	6400	8000			C-90	19050	17100	21000
		T-95	7650	6800	8500			T-95	20500	18000	23000
		P-110	8650	7700	9600			P-110	23500	21000	26000
5.500	20.00	J-55	7000	6200	7800	7.000	35.00	J-55	12950	11500	14400
		L-80	9550	8500	10600			L-80	17800	15800	19800
		C-90	10600	9400	11800			C-90	19750	17500	22000
		T-95	11150	9900	12400			T-95	20650	18300	23000
		P-110	12600	11200	14000			P-110	23500	21000	26000
5.500	23.00	J-55	7300	6500	8100	7.000	38.00	J-55	16300	14500	18100
		L-80	9900	8800	11000			L-80	22450	19900	25000
		C-90	10900	9700	12100			C-90	25000	22000	28000
		T-95	11500	10200	12800			T-95	26000	23000	29000
		P-110	13050	11600	14500			P-110	30500	27000	34000
5.500	26.00	J-55	9550	8500	10600	7.000	41.00	J-55	16750	14900	18600
		L-80	12950	11500	14400			L-80	23000	20000	26000
		C-90	14400	12800	16000			C-90	26000	23000	29000
		T-95	15100	13400	16800			T-95	27000	24000	30000
		P-110	17100	15200	19000			P-110	30500	27000	34000
5.500	26.80	J-55	9700	8600	10800			J-55			
		L-80	13150	11700	14600			L-80			
		C-90	14500	12900	16100			C-90			
		T-95	15200	13500	16900			T-95			
		P-110	17350	15400	19300			P-110			
5.500	28.40	J-55	9900	8800	11000			J-55			
		L-80	13400	11900	14900			L-80			
		C-90	14750	13100	16400			C-90			
		T-95	15400	13700	17100			T-95			
		P-110	17550	15600	19500			P-110			
6.625	28.00	J-55	11050	9800	12300			J-55			
		L-80	15300	13600	17000			L-80			
		C-90	17100	15200	19000			C-90			
		T-95	17900	15900	19900			T-95			
		P-110	20600	18200	23000			P-110			

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