

## TURBOTORQUE™-M CONNECTION MECHANICAL CHARACTERISTICS

	OD	Nominal Weight	Grade	Premium Tube Tensile Strength	Connection	Tool Joint OD	Tool Joint ID	SmoothEdge® OD <sup>(1)</sup>	Adjusted Weight	Minimum MUT	Recommended MUT
	in	lb/ft		lbs		in	in	in	lb/ft	ft-lb	ft-lb
Standard	3.500	13.30	S-135	381,900	TurboTorque-M 380	4.750	2.688		14.49	16,100	19,200
Standard	3.500	15.50	S-135	451,100	TurboTorque-M 380	4.813	2.500		17.01	19,400	23,200
Streamline	4.000	14.00	S-135	403,500	TurboTorque-M 390	4.875	2.688	5.063	15.47	18,800	22,600
Standard	4.000	14.00	S-135	403,500	TurboTorque-M 420	5.250	2.938		15.71	22,900	27,500
Standard	4.000	15.70	S-135	456,900	TurboTorque-M 420	5.250	2.938		17.40	22,900	27,500
Streamline	4.500	16.60	S-135	468,300	TurboTorque-M 435	5.375	3.125	5.563	17.98	23,800	28,600
Standard	4.500	16.60	S-135	468,300	TurboTorque-M 485	6.000	3.563		18.35	30,400	36,600
Standard	4.500	20.00	S-135	581,200	TurboTorque-M 485	6.125	3.250		22.59	29,400	47,300
Streamline	5.000	19.50	S-135	560,800	TurboTorque-M 500	6.250	3.500	6.438	22.07	38,300	45,900
Standard	5.000	19.50	S-135	560,800	TurboTorque-M 525	6.500	3.875		21.92	37,100	44,500
Standard	5.000	25.60	S-135	746,400	TurboTorque-M 525	6.625	3.563		28.49	47,800	57,400
Streamline	5.500	21.90	S-135	620,600	TurboTorque-M 550	6.625	4.250	6.813	23.74	37,700	45,200
Standard	5.500	21.90	S-135	620,600	TurboTorque-M 585	7.000	4.500		23.99	46,600	55,900
Standard	5.500	24.70	S-135	704,300	TurboTorque-M 585	7.125	4.313		27.22	55,000	65,900
Streamline	5.875	23.40	S-135	666,500	TurboTorque-M 585	7.000	4.500	7.188	25.68	46,600	55,900
Streamline	5.875	26.30	S-135	757,100	TurboTorque-M 585	7.000	4.500	7.188	28.51	46,600	55,900
Standard	6.625	27.70	S-135	760,400	TurboTorque-M 690	8.250	5.500		29.89	58,100	69,700