

3SB™

Torque table

3SB™ Tubing Torque Table | 2 3/8" TO 4"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE	
				Minimum	Optimum	Maximum	Minimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb
2 3/8	4.70	0.190	55	810	900	990	50	720
			80	810	900	990	50	720
			90	900	1000	1100	50	800
			95	900	1000	1100	50	800
			110	990	1100	1210	60	880
			125	990	1100	1210	60	880
	5.30	0.218	55	990	1100	1210	60	880
			80	1080	1200	1320	60	960
			90	1080	1200	1320	60	960
			95	1080	1200	1320	60	960
			110	1170	1300	1430	70	1040
			125	1170	1300	1430	70	1040
	5.95	0.254	55	1280	1600	1920	80	1280
			80	1440	1800	2160	90	1440
			90	1520	1900	2280	100	1520
			95	1520	1900	2280	100	1520
			110	1520	1900	2280	100	1520
			125	1520	1900	2280	100	1520
	6.20	0.261	55	1360	1700	2040	90	1360
			80	1440	1800	2160	90	1440
			90	1520	1900	2280	100	1520
			95	1520	1900	2280	100	1520
			110	1520	1900	2280	100	1520
			125	1520	1900	2280	100	1520
7.70	0.336	55	1600	2000	2400	100	1600	
		80	1760	2200	2640	110	1760	
		90	1840	2300	2760	120	1840	
		95	1840	2300	2760	120	1840	
		110	1920	2400	2880	120	1920	
		125	1920	2400	2880	120	1920	
2 7/8	6.50	0.217	55	1350	1500	1650	80	1200
			80	1530	1700	1870	90	1360
			90	1620	1800	1980	90	1440
			95	1620	1800	1980	90	1440
			110	1710	1900	2090	100	1520
			125	1710	1900	2090	100	1520
	7.90	0.276	55	1680	2100	2520	110	1680
			80	1840	2300	2760	120	1840
			90	1920	2400	2880	120	1920
			95	1920	2400	2880	120	1920
			110	2000	2500	3000	130	2000
			125	2000	2500	3000	130	2000
	8.70	0.308	55	1840	2300	2760	120	1840
			80	2080	2600	3120	130	2080
			90	2160	2700	3240	140	2160
			95	2160	2700	3240	140	2160
			110	2240	2800	3360	140	2240
			125	2240	2800	3360	140	2240
	9.50	0.340	55	2000	2500	3000	130	2000
			80	2240	2800	3360	140	2240
			90	2400	3000	3600	150	2400
			95	2400	3000	3600	150	2400
			110	2480	3100	3720	160	2480
			125	2480	3100	3720	160	2480
10.70	0.392	55	2240	2800	3360	140	2240	
		80	2640	3300	3960	170	2640	
		90	2800	3500	4200	180	2800	
		95	2800	3500	4200	180	2800	
		110	2960	3700	4440	190	2960	
		125	2960	3700	4440	190	2960	
11.00	0.405	55	2240	2800	3360	140	2240	
		80	2640	3300	3960	170	2640	

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE			
				Minimum	Optimum	Maximum	Minimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb		
2 7/8	11.00	0.405	90	2800	3500	4200	180	2800		
			95	2800	3500	4200	180	2800		
			110	2960	3700	4440	190	2960		
			125	2960	3700	4440	190	2960		
			11.65	0.440	55	2240	2800	3360	140	2240
					80	2640	3300	3960	170	2640
	90	2800			3500	4200	180	2800		
	95	2800			3500	4200	180	2800		
	110	2960			3700	4440	190	2960		
	125	2960			3700	4440	190	2960		
	3 1/2	9.30	0.254	55	2160	2700	3240	140	2160	
				80	2320	2900	3480	150	2320	
90				2480	3100	3720	160	2480		
95				2480	3100	3720	160	2480		
110				2640	3300	3960	170	2640		
125				2640	3300	3960	170	2640		
10.30				0.289	55	2480	3100	3720	160	2480
					80	2720	3400	4080	170	2720
					90	2880	3600	4320	180	2880
					95	2880	3600	4320	180	2880
					110	3040	3800	4560	190	3040
					125	3040	3800	4560	190	3040
12.80		0.368	55	3120	3900	4680	200	3120		
			80	3520	4400	5280	220	3520		
			90	3680	4600	5520	230	3680		
			95	3680	4600	5520	230	3680		
			110	3920	4900	5880	250	3920		
			125	3920	4900	5880	250	3920		
			12.95	0.375	55	3120	3900	4680	200	3120
					80	3520	4400	5280	220	3520
					90	3680	4600	5520	230	3680
					95	3680	4600	5520	230	3680
					110	3920	4900	5880	250	3920
					125	3920	4900	5880	250	3920
15.10		0.449			55	3600	4500	5400	230	3600
					80	4000	5000	6000	250	4000
					90	4240	5300	6360	270	4240
					95	4240	5300	6360	270	4240
					110	4560	5700	6840	290	4560
					125	4560	5700	6840	290	4560
			15.80	0.476	55	3600	4500	5400	230	3600
					80	4000	5000	6000	250	4000
					90	4240	5300	6360	270	4240
					95	4240	5300	6360	270	4240
					110	4560	5700	6840	290	4560
					125	4560	5700	6840	290	4560
16.70		0.510			55	3680	4600	5520	230	3680
					80	4160	5200	6240	260	4160
					90	4400	5500	6600	280	4400
					95	4400	5500	6600	280	4400
					110	4720	5900	7080	300	4720
					125	4720	5900	7080	300	4720
			17.05	0.530	55	3680	4600	5520	230	3680
					80	4160	5200	6240	260	4160
					90	4400	5500	6600	280	4400
					95	4400	5500	6600	280	4400
					110	4720	5900	7080	300	4720
					125	4720	5900	7080	300	4720
4	11.00	0.262			55	2880	3600	4320	180	2880
					80	3200	4000	4800	200	3200
					90	3280	4100	4920	210	3280
					95	3280	4100	4920	210	3280

4" TO 4 1/2"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE			
				Minimum	Optimum	Maximum	Minimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb		
4	11.00	0.262	110	3440	4300	5160	220	3440		
			125	3440	4300	5160	220	3440		
			13.40	0.330	55	3520	4400	5280	220	3520
					80	4000	5000	6000	250	4000
					90	4160	5200	6240	260	4160
	19.00	0.500	95	4160	5200	6240	260	4160		
			110	4320	5400	6480	270	4320		
			125	4320	5400	6480	270	4320		
			55	4800	6000	7200	300	4800		
			80	5360	6700	8040	340	5360		
	22.50	0.610	90	5600	7000	8400	350	5600		
			95	5600	7000	8400	350	5600		
			110	6000	7500	9000	380	6000		
			125	6000	7500	9000	380	6000		
			55	5120	6400	7680	320	5120		
80			5600	7000	8400	350	5600			
90			5840	7300	8760	370	5840			
95			5840	7300	8760	370	5840			
110			6240	7800	9360	390	6240			
125			6240	7800	9360	390	6240			
4 1/2	12.75	0.271	55	2880	3200	3520	160	2560		
			80	3240	3600	3960	180	2880		
			90	3420	3800	4180	190	3040		
			95	3420	3800	4180	190	3040		
			110	3600	4000	4400	200	3200		
	13.50	0.290	125	3600	4000	4400	200	3200		
			55	3360	4200	5040	210	3360		
			80	3760	4700	5640	240	3760		
			90	3920	4900	5880	250	3920		
			95	3920	4900	5880	250	3920		
	15.50	0.337	110	4160	5200	6240	260	4160		
			125	4160	5200	6240	260	4160		
			55	4000	5000	6000	250	4000		
			80	4400	5500	6600	280	4400		
			90	4640	5800	6960	290	4640		
	19.20	0.430	95	4640	5800	6960	290	4640		
			110	5040	6300	7560	320	5040		
			125	5040	6300	7560	320	5040		
			55	4800	6000	7200	300	4800		
			80	5600	7000	8400	350	5600		
	21.60	0.500	90	6000	7500	9000	380	6000		
			95	6000	7500	9000	380	6000		
			110	6400	8000	9600	400	6400		
			125	6400	8000	9600	400	6400		
			55	4960	6200	7440	310	4960		
			80	6000	7500	9000	380	6000		
			90	6400	8000	9600	400	6400		
			95	6400	8000	9600	400	6400		
			110	6800	8500	10200	430	6800		
			125	6800	8500	10200	430	6800		
24.00	0.560	55	5200	6500	7800	330	5200			
		80	6160	7700	9240	390	6160			
		90	6800	8500	10200	430	6800			
		95	6800	8500	10200	430	6800			
		110	6960	8700	10440	440	6960			
26.50	0.630	125	6960	8700	10440	440	6960			
		55	5200	6500	7800	330	5200			
		80	6160	7700	9240	390	6160			
		90	6800	8500	10200	430	6800			
		95	6800	8500	10200	430	6800			

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE	
				Minimum	Optimum	Maximum	Minimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb
4 1/2	26.50	0.630	110	6960	8700	10440	440	6960
			125	6960	8700	10440	440	6960

- SMYS: Specified Minimum Yield Strength.
- For other unlisted combinations of dimension and SMYS please contact premiumconnections@tenaris.com

3SB™ Casing Torque Table | 4 1/2" TO 7"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE	
				Minimum	Optimum	Maximum	Minimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb
4 1/2	11.60	0.250	55	2560	3200	3840	160	2560
			80	2800	3500	4200	180	2800
			90	2880	3600	4320	180	2880
			95	2880	3600	4320	180	2880
			110	3120	3900	4680	200	3120
	13.50	0.290	125	3280	4100	4920	210	3280
			55	3040	3800	4560	190	3040
			80	3360	4200	5040	210	3360
			90	3520	4400	5280	220	3520
			95	3520	4400	5280	220	3520
	15.10	0.337	110	3680	4600	5520	230	3680
			125	3840	4800	5760	240	3840
			55	3760	4700	5640	240	3760
			80	4080	5100	6120	260	4080
			90	4240	5300	6360	270	4240
	16.90	0.380	95	4240	5300	6360	270	4240
			110	4560	5700	6840	290	4560
			125	4800	6000	7200	300	4800
			55	4080	5100	6120	260	4080
			80	4640	5800	6960	290	4640
21.60	0.500	90	4800	6000	7200	300	4800	
		95	4800	6000	7200	300	4800	
		110	5200	6500	7800	330	5200	
		125	5440	6800	8160	340	5440	
		55	4960	6200	7440	310	4960	
5	15.00	0.296	80	5440	6800	8160	340	5440
			90	5600	7000	8400	350	5600
			95	5600	7000	8400	350	5600
			110	6000	7500	9000	380	6000
			125	6240	7800	9360	390	6240
	18.00	0.362	55	3520	4400	5280	220	3520
			80	3920	4900	5880	250	3920
			90	4080	5100	6120	260	4080
			95	4080	5100	6120	260	4080
			110	4320	5400	6480	270	4320
	20.30	0.408	125	4560	5700	6840	290	4560
			55	4240	5300	6360	270	4240
			80	4720	5900	7080	300	4720
			90	4880	6100	7320	310	4880
			95	4880	6100	7320	310	4880
	23.20	0.478	110	5280	6600	7920	330	5280
			125	5600	7000	8400	350	5600
			55	5040	6300	7560	320	5040
			80	5600	7000	8400	350	5600
			90	5840	7300	8760	370	5840
24.10	0.500	95	5840	7300	8760	370	5840	
		110	6320	7900	9480	400	6320	
		125	6640	8300	9960	420	6640	
		55	5360	6700	8040	340	5360	
		80	6000	7500	9000	380	6000	
5 1/2	15.50	0.275	90	6240	7800	9360	390	6240
			95	6240	7800	9360	390	6240
			110	6640	8300	9960	420	6640
			125	7040	8800	10560	440	7040
			55	5600	7000	8400	350	5600
			80	6160	7700	9240	390	6160
			90	6400	8000	9600	400	6400
			95	6400	8000	9600	400	6400
			110	6880	8600	10320	430	6880
			125	7200	9000	10800	450	7200

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE	
				Minimum	Optimum	Maximum	Minimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb
5 1/2	15.50	0.275	90	4160	5200	6240	260	4160
			95	4160	5200	6240	260	4160
			110	4480	5600	6720	280	4480
			125	4720	5900	7080	300	4720
	17.00	0.304	55	4240	5300	6360	270	4240
			80	4640	5800	6960	290	4640
			90	4800	6000	7200	300	4800
			95	4800	6000	7200	300	4800
	20.00	0.361	110	5120	6400	7680	320	5120
			125	5440	6800	8160	340	5440
			55	4960	6200	7440	310	4960
			80	5520	6900	8280	350	5520
23.00	0.415	90	5760	7200	8640	360	5760	
		95	5760	7200	8640	360	5760	
		110	6240	7800	9360	390	6240	
		125	6640	8300	9960	420	6640	
26.00	0.476	55	5760	7200	8640	360	5760	
		80	6480	8100	9720	410	6480	
		90	6720	8400	10080	420	6720	
		95	6720	8400	10080	420	6720	
28.00	0.417	110	7280	9100	10920	460	7280	
		125	7680	9600	11520	480	7680	
		55	6400	8000	9600	400	6400	
		80	7040	8800	10560	440	7040	
32.00	0.475	90	7360	9200	11040	460	7360	
		95	7360	9200	11040	460	7360	
		110	7600	9500	11400	480	7600	
		125	7680	9600	11520	480	7680	
6 5/8	24.00	0.352	55	6000	7500	9000	380	6000
			80	6720	8400	10080	420	6720
			90	7040	8800	10560	440	7040
			95	7040	8800	10560	440	7040
	28.00	0.417	110	7520	9400	11280	470	7520
			125	7840	9800	11760	490	7840
			55	7120	8900	10680	450	7120
			80	8000	10000	12000	500	8000
	32.00	0.475	90	8000	10000	12000	500	8000
			95	8000	10000	12000	500	8000
			110	8400	10500	12600	530	8400
			125	8800	11000	13200	550	8800
7	23.00	0.317	55	7440	9300	11160	470	7440
			80	8000	10000	12000	500	8000
			90	8400	10500	12600	530	8400
			95	8400	10500	12600	530	8400
	26.00	0.362	110	8800	11000	13200	550	8800
			125	8800	11000	13200	550	8800
			55	6400	8000	9600	400	6400
			80	6880	8600	10320	430	6880
	29.00	0.408	90	7120	8900	10680	450	7120
			95	7120	8900	10680	450	7120
			110	7600	9500	11400	480	7600
			125	8000	10000	12000	500	8000
29.00	0.408	55	7200	9000	10800	450	7200	
		80	7760	9700	11640	490	7760	
		90	8000	10000	12000	500	8000	
		95	8000	10000	12000	500	8000	

7" TO 9 5/8"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE	
				Minimum	Optimum	Maximum	Minimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb
7	29.00	0.408	110	8400	10500	12600	530	8400
			125	8800	11000	13200	550	8800
			55	7200	9000	10800	450	7200
			80	8400	10500	12600	530	8400
			90	8800	11000	13200	550	8800
	32.00	0.453	95	8800	11000	13200	550	8800
			110	9200	11500	13800	580	9200
			125	9600	12000	14400	600	9600
			55	8000	10000	12000	500	8000
			80	9200	11500	13800	580	9200
	35.00	0.498	90	9600	12000	14400	600	9600
			95	9600	12000	14400	600	9600
			110	10400	13000	15600	650	10400
			125	11200	14000	16800	700	11200
			55	8800	11000	13200	550	8800
38.00	0.540	80	9600	12000	14400	600	9600	
		90	10000	12500	15000	630	10000	
		95	10000	12500	15000	630	10000	
		110	10800	13500	16200	680	10800	
		125	11600	14500	17400	730	11600	
41.00	0.590	55	8800	11000	13200	550	8800	
		80	9600	12000	14400	600	9600	
		90	10400	13000	15600	650	10400	
		95	10400	13000	15600	650	10400	
		110	11200	14000	16800	700	11200	
7 5/8	26.40	0.328	125	11600	14500	17400	730	11600
			55	6480	7200	7920	360	5760
			80	7110	7900	8690	400	6320
			90	7470	8300	9130	420	6640
			95	7470	8300	9130	420	6640
	29.70	0.375	110	8100	9000	9900	450	7200
			125	8280	9200	10120	460	7360
			55	7120	8900	10680	450	7120
			80	8000	10000	12000	500	8000
			90	8000	10000	12000	500	8000
	33.70	0.430	95	8000	10000	12000	500	8000
			110	8800	11000	13200	550	8800
			125	9200	11500	13800	580	9200
			55	8000	10000	12000	500	8000
			80	8800	11000	13200	550	8800
39.00	0.500	90	9360	11700	14040	590	9360	
		95	9360	11700	14040	590	9360	
		110	10000	12500	15000	630	10000	
		125	10800	13500	16200	680	10800	
		55	8800	11000	13200	550	8800	
42.80	0.562	80	10400	13000	15600	650	10400	
		90	10400	13000	15600	650	10400	
		95	10400	13000	15600	650	10400	
		110	11600	14500	17400	730	11600	
		125	12000	15000	18000	750	12000	
47.10	0.624	55	8800	11000	13200	550	8800	
		80	10400	13000	15600	650	10400	
		90	10800	13500	16200	680	10800	
		95	10800	13500	16200	680	10800	
		110	12000	15000	18000	750	12000	
			125	12400	15500	18600	780	12400
			55	9600	12000	14400	600	9600
			80	11200	14000	16800	700	11200
			90	12000	15000	18000	750	12000
			95	12000	15000	18000	750	12000

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE			
				Minimum	Optimum	Maximum	Minimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb		
7 5/8	47.10	0.624	110	12400	15500	18600	780	12400		
			125	13200	16500	19800	830	13200		
			63.20	0.875	55	12000	15000	18000	750	12000
					80	13600	17000	20400	850	13600
				90	14400	18000	21600	900	14400	
				95	14400	18000	21600	900	14400	
				110	14800	18500	22200	930	14800	
				125	15600	19500	23400	980	15600	
7 3/4	46.10	0.595	55	8800	11000	13200	550	8800		
			80	10400	13000	15600	650	10400		
			90	10400	13000	15600	650	10400		
			95	10400	13000	15600	650	10400		
			110	11600	14500	17400	730	11600		
			125	12000	15000	18000	750	12000		
8 5/8	32.00	0.352	55	8000	10000	12000	500	8000		
			80	8800	11000	13200	550	8800		
			90	9600	12000	14400	600	9600		
			95	9600	12000	14400	600	9600		
			110	10400	13000	15600	650	10400		
			125	10800	13500	16200	680	10800		
	36.00	0.400	55	8800	11000	13200	550	8800		
			80	9600	12000	14400	600	9600		
			90	10400	13000	15600	650	10400		
			95	10400	13000	15600	650	10400		
			110	11200	14000	16800	700	11200		
			125	12000	15000	18000	750	12000		
	40.00	0.450	55	9600	12000	14400	600	9600		
			80	10400	13000	15600	650	10400		
			90	11200	14000	16800	700	11200		
			95	11200	14000	16800	700	11200		
			110	12000	15000	18000	750	12000		
			125	12800	16000	19200	800	12800		
	44.00	0.500	55	10400	13000	15600	650	10400		
			80	12000	15000	18000	750	12000		
			90	12400	15500	18600	780	12400		
			95	12400	15500	18600	780	12400		
			110	13600	17000	20400	850	13600		
			125	14800	18500	22200	930	14800		
49.00	0.557	55	10960	13700	16440	690	10960			
		80	12400	15500	18600	780	12400			
		90	12800	16000	19200	800	12800			
		95	12800	16000	19200	800	12800			
		110	14000	17500	21000	880	14000			
		125	14800	18500	22200	930	14800			
52.00	0.595	55	11200	14000	16800	700	11200			
		80	12800	16000	19200	800	12800			
		90	13200	16500	19800	830	13200			
		95	13200	16500	19800	830	13200			
		110	14400	18000	21600	900	14400			
		125	14800	18500	22200	930	14800			
9 5/8	36.00	0.352	55	8820	9800	10780	490	7840		
			80	9270	10300	11330	520	8240		
			90	9630	10700	11770	540	8560		
			95	9630	10700	11770	540	8560		
			110	10440	11600	12760	580	9280		
			125	10890	12100	13310	610	9680		
	40.00	0.395	55	9600	12000	14400	600	9600		
			80	10000	12500	15000	630	10000		
			90	10400	13000	15600	650	10400		
			95	10400	13000	15600	650	10400		

9 5/8" TO 11 3/4"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE			
				Minimum	Optimum	Maximum	Minimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb		
9 5/8	40.00	0.395	110	11200	14000	16800	700	11200		
			125	12000	15000	18000	750	12000		
			43.50	0.435	55	10400	13000	15600	650	10400
					80	10800	13500	16200	680	10800
					90	11200	14000	16800	700	11200
	47.00	0.472	95	11200	14000	16800	700	11200		
			110	12000	15000	18000	750	12000		
			125	12800	16000	19200	800	12800		
			53.50	0.545	55	11200	14000	16800	700	11200
					80	11600	14500	17400	730	11600
	90	12000			15000	18000	750	12000		
	9 7/8	58.40	0.595	95	12000	15000	18000	750	12000	
				110	12800	16000	19200	800	12800	
				125	13600	17000	20400	850	13600	
				61.10	0.625	55	12000	15000	18000	750
80						12800	16000	19200	800	12800
90		13200	16500			19800	830	13200		
59.20		0.595	95	13200	16500	19800	830	13200		
			110	14000	17500	21000	880	14000		
			125	15200	19000	22800	950	15200		
			62.80	0.625	55	12400	15500	18600	780	12400
					80	13200	16500	19800	830	13200
90		13600			17000	20400	850	13600		
10 1/4		70.40	0.708	95	13600	17000	20400	850	13600	
				110	14400	18000	21600	900	14400	
				125	15200	19000	22800	950	15200	
	82.00			0.800	55	12400	15500	18600	780	12400
					80	13200	16500	19800	830	13200
		90	13600		17000	20400	850	13600		
	40.50	0.350	95	13600	17000	20400	850	13600		
			110	14800	18500	22200	930	14800		
			125	15200	19000	22800	950	15200		
			88.00	0.850	55	16200	18000	19800	900	14400
					80	22500	25000	27500	1250	20000
	90	25200			28000	30800	1400	22400		
	10 3/4	40.50	0.350	95	25200	28000	30800	1400	22400	
				110	28800	32000	35200	1600	25600	
				125	28800	32000	35200	1600	25600	
95.00				0.900	55	8910	9900	10890	500	7920
					80	10170	11300	12430	570	9040
	90	10530	11700		12870	590	9360			
95	10530	11700	12870	590	9360					

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE			
				Minimum	Optimum	Maximum	Minimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb		
10 3/4	40.50	0.350	110	11340	12600	13860	630	10080		
			125	11340	12600	13860	630	10080		
			45.50	0.400	55	9600	12000	14400	600	9600
					80	10800	13500	16200	680	10800
					90	11200	14000	16800	700	11200
					95	11200	14000	16800	700	11200
	51.00	0.450	110	12800	16000	19200	800	12800		
			125	12800	16000	19200	800	12800		
			55.50	0.495	55	10400	13000	15600	650	10400
					80	12000	15000	18000	750	12000
					90	12400	15500	18600	780	12400
					95	12400	15500	18600	780	12400
	60.70	0.545	110	13600	17000	20400	850	13600		
			125	13600	17000	20400	850	13600		
			65.70	0.595	55	11600	14500	17400	730	11600
					80	13200	16500	19800	830	13200
					90	13600	17000	20400	850	13600
					95	13600	17000	20400	850	13600
	71.10	0.650	110	15200	19000	22800	950	15200		
			125	15200	19000	22800	950	15200		
			73.20	0.672	55	12000	15000	18000	750	12000
					80	13200	16500	19800	830	13200
					90	14000	17500	21000	880	14000
					95	14000	17500	21000	880	14000
77.10	0.720	110	15200	19000	22800	950	15200			
		125	15200	19000	22800	950	15200			
		81.10	0.768	55	12400	15500	18600	780	12400	
				80	14000	17500	21000	880	14000	
				90	14800	18500	22200	930	14800	
				95	14800	18500	22200	930	14800	
85.10	0.816	110	15200	19000	22800	950	15200			
		125	15200	19000	22800	950	15200			
		89.10	0.864	55	12800	16000	19200	800	12800	
				80	14400	18000	21600	900	14400	
				90	15200	19000	22800	950	15200	
				95	15200	19000	22800	950	15200	
11 3/4	47.00	0.375	55	9600	12000	14400	600	9600		
			80	11200	14000	16800	700	11200		
			90	11200	14000	16800	700	11200		
			95	11200	14000	16800	700	11200		
			110	12800	16000	19200	800	12800		
			125	12800	16000	19200	800	12800		
	54.00	0.435	55	10400	13000	15600	650	10400		
			80	12800	16000	19200	800	12800		
			90	13600	17000	20400	850	13600		
			95	13600	17000	20400	850	13600		
			110	14400	18000	21600	900	14400		
			125	14400	18000	21600	900	14400		
60.00	0.489	55	11200	14000	16800	700	11200			
		80	13600	17000	20400	850	13600			
		90	14400	18000	21600	900	14400			
		95	14400	18000	21600	900	14400			
		110	15200	19000	22800	950	15200			
		125	15200	19000	22800	950	15200			

11 3/4" TO 13 5/8"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			SHOULDER TORQUE	
				Minimum	Optimum	Maximum	Minimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	ft.lb	ft.lb
11 3/4	60.00	0.489	110	15200	19000	22800	950	15200
			125	15200	19000	22800	950	15200
	65.00	0.534	55	12000	15000	18000	750	12000
			80	14400	18000	21600	900	14400
			90	14400	18000	21600	900	14400
			95	14400	18000	21600	900	14400
			110	16000	20000	24000	1000	16000
		125	16000	20000	24000	1000	16000	
13 3/8	54.50	0.380	55	10400	13000	15600	650	10400
			80	12000	15000	18000	750	12000
			90	12800	16000	19200	800	12800
			95	12800	16000	19200	800	12800
			110	13600	17000	20400	850	13600
			125	13600	17000	20400	850	13600
	61.00	0.430	55	11600	14500	17400	730	11600
			80	13600	17000	20400	850	13600
			90	14400	18000	21600	900	14400
			95	14400	18000	21600	900	14400
			110	14800	18500	22200	930	14800
			125	14800	18500	22200	930	14800
	68.00	0.480	55	12800	16000	19200	800	12800
			80	16000	20000	24000	1000	16000
			90	16000	20000	24000	1000	16000
			95	16000	20000	24000	1000	16000
			110	16000	20000	24000	1000	16000
			125	16000	20000	24000	1000	16000
	72.00	0.514	55	12800	16000	19200	800	12800
			80	16000	20000	24000	1000	16000
			90	16000	20000	24000	1000	16000
95			16000	20000	24000	1000	16000	
110			16000	20000	24000	1000	16000	
125			16000	20000	24000	1000	16000	
86.00	0.625	55	12800	16000	19200	800	12800	
		80	16000	20000	24000	1000	16000	
		90	16000	20000	24000	1000	16000	
		95	16000	20000	24000	1000	16000	
		110	16000	20000	24000	1000	16000	
		125	16000	20000	24000	1000	16000	
13 1/2	81.40	0.580	55	12800	16000	19200	800	12800
			80	16000	20000	24000	1000	16000
			90	16000	20000	24000	1000	16000
			95	16000	20000	24000	1000	16000
			110	16000	20000	24000	1000	16000
		125	16000	20000	24000	1000	16000	
13 5/8	88.20	0.625	55	12800	16000	19200	800	12800
			80	16000	20000	24000	1000	16000
			90	16000	20000	24000	1000	16000
			95	16000	20000	24000	1000	16000
			110	16000	20000	24000	1000	16000
		125	16000	20000	24000	1000	16000	

- SMYS: Specified Minimum Yield Strength.
- For other unlisted combinations of dimension and SMYS please contact premiumconnections@tenaris.com



For contact information, please visit
our website: www.tenaris.com