

SLX™

Torque table

SLX™ Torque Table | 4 1/2" TO 6 5/8"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE		
				Minimum	Optimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb
4 1/2	12.60	0.271	55	2100	2300	2400
			80	2500	2800	3100
			90	2600	2900	3200
			95	2700	3000	3300
			110	2900	3300	3700
	13.50	0.290	125	3100	3600	4100
			55	2300	2500	2700
			80	2700	3000	3200
			90	2800	3100	3400
			95	2900	3300	3600
	15.10	0.337	110	3100	3500	3900
			125	3300	3800	4200
			55	2800	3000	3200
			80	3200	3600	4000
			90	3400	3800	4200
	17.00	0.380	95	3500	3900	4300
			110	3800	4300	4800
			125	4100	4700	5200
			55	2700	2900	3000
			80	3000	3300	3600
18.80	0.430	90	3200	3500	3800	
		95	3300	3700	4000	
		110	3500	3900	4200	
		125	3700	4200	4600	
		55	3400	3500	3600	
21.60	0.500	80	3800	4000	4200	
		90	3900	4200	4400	
		95	4000	4300	4600	
		110	4200	4600	5000	
		125	4400	4900	5300	
5	15.00	0.296	55	3700	3900	4000
			80	4100	4400	4700
			90	4300	4700	5000
			95	4400	4800	5100
			110	4700	5200	5600
	18.00	0.362	125	4900	5500	6000
			55	3600	3800	4000
			80	4100	4400	4700
			90	4300	4700	5000
			95	4400	4800	5100
	20.30	0.408	110	4600	5100	5600
			125	4900	5500	6000
			55	3500	3800	4000
			80	4000	4400	4700
			90	4200	4600	5000
	20.80	0.422	95	4300	4800	5200
			110	4600	5200	5700
			125	4900	5500	6100
			55	3700	3900	4100
			80	4200	4600	5000
21.40	0.437	90	4400	4800	5200	
		95	4500	5000	5400	
		110	4800	5400	5900	
		125	5100	5700	6300	
		55	4000	4200	4300	
			80	4500	4800	5100

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE			
				Minimum	Optimum	Maximum	
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb	
5	21.40	0.437	90	4700	5100	5400	
			95	4800	5200	5600	
			110	5100	5600	6100	
			125	5400	6000	6600	
	23.20	0.478	55	4100	4300	4500	
			80	4600	5000	5400	
			90	4900	5400	5800	
			95	5000	5500	5900	
	24.10	0.500	110	5300	5900	6400	
			125	5600	6300	6900	
			55	4400	4700	4900	
			80	5000	5400	5700	
		90	5200	5600	6000		
		95	5300	5800	6200		
		110	5600	6200	6800		
		125	6000	6700	7300		
5 1/2	17.00	0.304	55	3200	3500	3800	
			80	3800	4300	4700	
			90	4000	4600	5100	
			95	4200	4800	5300	
			110	4500	5200	5900	
			125	4900	5700	6400	
	20.00	0.361	55	4100	4300	4500	
			80	4600	5100	5500	
			90	4900	5400	5900	
			95	5000	5500	6000	
			110	5300	6000	6600	
			125	5700	6400	7100	
	23.00	0.415	55	4100	4400	4600	
			80	4700	5200	5600	
			90	4900	5500	6000	
			95	5100	5700	6200	
			110	5400	6100	6800	
			125	5800	6600	7400	
	26.00	0.476	55	4500	4800	5100	
			80	5200	5800	6300	
			90	5500	6200	6800	
			95	5700	6300	6900	
			110	6100	6900	7600	
			125	6500	7400	8300	
26.80	0.500	55	5500	5800	6000		
		80	6200	6700	7100		
		90	6500	7100	7600		
		95	6600	7200	7800		
		110	7000	7800	8500		
		125	7400	8300	9100		
6 5/8	22.60	0.330	55	4800	5400	6000	
			80	5900	6800	7700	
			90	6300	7400	8500	
			95	6600	7700	8700	
			110	7200	8500	9800	
			125	7800	9400	11000	
	24.00	0.352	55	5300	5900	6500	
			80	6400	7300	8200	
			90	6800	7900	8900	
			95	7000	8100	9200	
			110	7700	8900	10000	
			125	8300	9700	11000	
24.60	0.362	55	5500	6100	6600		
		80	6600	7500	8400		
		90	7000	8000	9000		
		95	7200	8300	9400		

6 5/8" TO 8 5/8"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE				
				Minimum	Optimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb		
6 5/8	24.60	0.362	110	7900	9000	10000		
			125	8500	9800	11000		
			28.00	0.417	55	5400	5900	6300
					80	6300	7000	7700
					90	6700	7600	8400
					95	6900	7800	8600
	110	7400			8500	9500		
	125	8000			9000	10000		
	32.00	0.475	55	6600	7000	7400		
			80	7500	8200	8800		
			90	7900	8700	9500		
			95	8100	8900	9700		
110			8600	9800	11000			
125			9200	10600	12000			
7	23.00	0.317	55	5000	5600	6100		
			80	6100	7000	7800		
			90	6500	7500	8500		
			95	6700	7800	8800		
			110	7300	8600	9800		
			125	7900	9500	11000		
	26.00	0.362	55	5900	6400	6900		
			80	7000	7800	8600		
			90	7400	8400	9300		
			95	7600	8600	9600		
			110	8200	9600	11000		
			125	8800	10400	12000		
	29.00	0.408	55	5300	5800	6300		
			80	6300	7100	7900		
			90	6700	7700	8600		
			95	6900	7900	8800		
			110	7500	8700	9800		
			125	8100	9600	11000		
	32.00	0.453	55	6700	7200	7600		
			80	7700	8500	9200		
			90	8100	9000	9800		
			95	8300	9200	10000		
			110	8900	10000	11000		
			125	9500	10800	12000		
	35.00	0.498	55	6700	7200	7700		
			80	7800	8700	9500		
			90	8300	9200	10000		
			95	8500	9800	11000		
			110	9200	10600	12000		
			125	9800	11400	13000		
	38.00	0.540	55	7000	7500	8000		
			80	8100	9000	9800		
			90	8500	9300	10000		
			95	8800	9900	11000		
			110	9400	10700	12000		
			125	10000	11500	13000		
41.00	0.590	55	8100	8700	9200			
		80	9300	10200	11000			
		90	9800	10900	12000			
		95	10000	11000	12000			
		110	11000	12000	13000			
		125	12000	13500	15000			
42.70	0.625	55	9000	9500	10000			
		80	10000	11000	12000			
		90	11000	12000	13000			
		95	11000	12000	13000			
		110	12000	13000	14000			
		125	12000	13500	15000			

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE		
				Minimum	Optimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb
7 5/8	26.40	0.328	55	6100	6900	7600
			80	7500	8600	9700
			90	8000	9500	11000
			95	8300	9700	11000
			110	9100	10600	12000
	29.70	0.375	125	9900	12000	14000
			55	7200	7900	8600
			80	8500	9800	11000
			90	9000	10500	12000
			95	9300	10700	12000
	33.70	0.430	110	10000	11500	13000
			125	11000	13000	15000
			55	6800	7400	8000
			80	8000	9000	10000
			90	8500	9800	11000
39.00	0.500	95	8700	9900	11000	
		110	9500	10800	12000	
		125	10000	12000	14000	
		55	8500	9000	9500	
		80	9700	10900	12000	
42.80	0.562	90	10000	11000	12000	
		95	10000	11500	13000	
		110	11000	12500	14000	
		125	12000	13500	15000	
		55	8200	8900	9500	
45.30	0.595	80	9500	10800	12000	
		90	10000	11500	13000	
		95	11000	12500	14000	
		110	12000	13500	15000	
		125	13000	14500	16000	
47.10	0.625	55	9400	10200	11000	
		80	11000	12000	13000	
		90	12000	13000	14000	
		95	12000	13500	15000	
		110	13000	14500	16000	
7 3/4	46.10	0.595	125	14000	16000	18000
			55	9100	10100	11000
			80	11000	12000	13000
			90	11000	12500	14000
			95	12000	13500	15000
	48.60	0.640	110	13000	14500	16000
			125	14000	16000	18000
			55	11000	11500	12000
			80	13000	14000	15000
			90	13000	14500	16000
	54.20	0.712	95	13000	14500	16000
			110	14000	16000	18000
			125	15000	17000	19000
			55	12000	12500	13000
			80	14000	15000	16000
8 5/8	36.00	0.400	90	14000	15500	17000
			95	15000	16500	18000
			110	16000	17500	19000
			125	17000	18500	20000
			55	7800	8700	9500
			80	9500	10800	12000

8 5/8" TO 11 3/4"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE				
				Minimum	Optimum	Maximum		
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb		
8 5/8	36.00	0.400	90	10000	11500	13000		
			95	10000	12000	14000		
			110	11000	13000	15000		
			125	12000	14500	17000		
			40.00	0.450	55	9100	10100	11000
					80	11000	12000	13000
	90	11000			12500	14000		
	95	12000			13500	15000		
	44.00	0.500	110	13000	14500	16000		
			125	14000	16000	18000		
			55	9600	10300	11000		
					80	11000	12500	14000
					90	12000	13500	15000
			49.00	0.557	95	12000	14000	16000
	110	13000			15500	18000		
	125	15000			17000	19000		
	55	11000			12000	13000		
					80	13000	14500	16000
					90	14000	15500	17000
	52.00	0.595	95	14000	15500	17000		
			110	15000	17000	19000		
			125	16000	18500	21000		
			55	11000	12000	13000		
					80	13000	14500	16000
90					14000	15500	17000	
54.00	0.625	95	14000	16000	18000			
		110	16000	18000	20000			
		125	17000	19500	22000			
		55	12000	13000	14000			
				80	14000	15500	17000	
				90	15000	16500	18000	
9 5/8	43.50	0.435	55	10000	11000	12000		
			80	12000	13500	15000		
			90	13000	15000	17000		
			95	13000	15000	17000		
			110	14000	16500	19000		
			125	16000	18500	21000		
	47.00	0.472	55	11000	12000	13000		
			80	13000	15000	17000		
			90	14000	16000	18000		
			95	15000	17000	19000		
			110	16000	18000	20000		
			125	17000	19500	22000		
	53.50	0.545	55	12000	13000	14000		
			80	14000	16000	18000		
			90	15000	17000	19000		
			95	15000	17500	20000		
			110	17000	19500	22000		
			125	18000	21000	24000		
	58.40	0.595	55	13000	14500	16000		
			80	16000	17500	19000		
			90	17000	19000	21000		
			95	17000	19000	21000		
			110	18000	21000	24000		
			125	20000	23000	26000		
9 3/4	59.20	0.595	55	14000	15500	17000		
			80	17000	19000	21000		
			90	18000	21000	23000		
			95	18000	21000	24000		

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE		
				Minimum	Optimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb
9 3/4	59.20	0.595	110	20000	23000	26000
			125	21000	25000	29000
9 7/8	62.80	0.625	55	15000	16000	17000
			80	17000	19000	21000
			90	18000	21000	23000
			95	19000	22000	24000
			110	20000	24000	27000
	65.10	0.650	125	22000	26000	29000
			55	15000	16500	18000
			80	18000	20000	22000
			90	19000	21000	23000
			95	19000	22000	24000
10	66.95	0.672	110	21000	24000	27000
			125	22000	26000	29000
			55	15000	16500	18000
			80	18000	20000	22000
			90	19000	21000	23000
	68.42	0.688	95	19000	22000	24000
			110	21000	24000	27000
			125	22000	26000	29000
			55	15000	16500	18000
			80	18000	20000	22000
10 3/4	51.00	0.450	90	19000	21000	23000
			95	19000	22000	24000
			110	21000	24000	27000
			125	22000	26000	29000
			55	12000	13500	15000
	55.50	0.495	80	15000	17000	19000
			90	16000	18000	20000
			95	16000	18500	21000
			110	18000	21000	24000
			125	19000	23000	26000
60.70	0.545	55	14000	15000	16000	
		80	16000	18000	20000	
		90	17000	19500	22000	
		95	18000	21000	23000	
		110	19000	22000	25000	
65.70	0.595	125	21000	25000	28000	
		55	15000	16500	18000	
		80	18000	21000	23000	
		90	19000	22000	25000	
		95	20000	23000	26000	
65.70	0.595	110	22000	26000	29000	
		125	23000	27000	31000	
		55	16000	17500	19000	
		80	19000	22000	24000	
		90	20000	23000	26000	
11 3/4	60.00	0.489	95	21000	24000	27000
			110	23000	27000	30000
			125	25000	30000	34000
			55	15000	17000	19000
			80	19000	22000	24000
	65.00	0.534	90	20000	23000	26000
			95	21000	24000	27000
			110	23000	27000	31000
			125	24000	28000	32000
			55	16000	17500	19000
65.00	0.534	80	19000	22000	25000	
		90	21000	24000	27000	
		95	21000	25000	28000	
		110	23000	27000	31000	
		125	25000	30000	34000	

11 3/4" TO 13 5/8"

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE		
				Minimum	Optimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb
11 3/4	71.00	0.582	55	20000	22000	23000
			80	23000	26000	28000
			90	24000	27000	30000
			95	25000	28000	31000
			110	27000	31000	34000
			125	29000	33000	37000
11 7/8	71.80	0.582	55	18000	20000	22000
			80	22000	26000	29000
			90	24000	28000	31000
			95	25000	29000	32000
			110	27000	32000	36000
			125	29000	35000	40000
12	74.80	0.615	55	19000	21000	23000
			80	23000	26000	29000
			90	24000	28000	32000
			95	25000	29000	33000
			110	28000	33000	37000
			125	30000	35000	40000
	78.10	0.640	55	19000	21000	23000
			80	23000	26000	29000
			90	25000	29000	32000
			95	25000	29000	33000
			110	28000	33000	37000
			125	30000	36000	41000
13 3/8	68.00	0.480	55	18000	21000	23000
			80	22000	26000	29000
			90	24000	28000	32000
			95	25000	29000	33000
			110	27000	32000	37000
			125	30000	36000	41000
	72.00	0.514	55	19000	21000	23000
			80	23000	27000	30000
			90	24000	28000	32000
			95	25000	30000	34000
			110	28000	33000	38000
			125	30000	36000	42000
	77.00	0.550	55	21000	23000	25000
			80	25000	29000	32000
			90	27000	31000	35000
			95	28000	32000	36000
			110	30000	35000	40000
			125	33000	39000	44000
	80.70	0.580	55	22000	25000	27000
			80	27000	32000	36000
			90	29000	34000	39000
			95	30000	36000	41000
			110	33000	40000	46000
			125	36000	44000	51000
85.00	0.608	55	23000	26000	29000	
		80	28000	33000	37000	
		90	30000	35000	40000	
		95	31000	37000	42000	
		110	34000	41000	47000	
		125	38000	45000	52000	
86.00	0.625	55	24000	27000	30000	
		80	29000	34000	38000	
		90	31000	36000	41000	
		95	32000	38000	43000	
		110	35000	42000	48000	
		125	39000	46000	53000	

SIZE (OD)	NOMINAL WEIGHT	WALL THICKNESS	SMYS OF STEEL GRADE	MAKE UP TORQUE		
				Minimum	Optimum	Maximum
in	lb/ft	in	ksi	ft.lb	ft.lb	ft.lb
13 1/2	81.40	0.580	55	19000	22000	24000
			80	23000	27000	30000
			90	25000	29000	33000
			95	26000	30000	34000
			110	28000	33000	38000
			125	31000	37000	42000
13 5/8	88.20	0.625	55	25000	28000	30000
			80	30000	35000	39000
			90	32000	38000	43000
			95	33000	39000	44000
			110	37000	44000	50000
			125	40000	48000	55000

- SMYS: Specified Minimum Yield Strength.
- Many factors influence torque application. A field target torque (optimum torque) mid-way between minimum and maximum is recommended.
- For other unlisted combinations of dimension and SMYS please contact premiumconnections@tenaris.com



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