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ASME/A17.6 Errata

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Record#	Codes Affected	Subject	Posted Date
15-1330	A17.6	A17.6- Appendix I, Table I- 1.1-1, I-1.1-2, I-1.1-3	09/25/15

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Table I-1.1-1 Classification 6 \times 19 FC, Round Strand, Fiber Core or Polymer Core

		Appro	Approximate		Rope Grade	, Minimup	Rope Grade, Minimum Breaking Force (MBF) [Note (Z)] 1180/	rce (MBF)	[Note (2)]			Diameter Relaxed	Relaxed		D	ameter. 1	Diameter. 10% of MBF	
Diameter	9r	[Not	Mass [Note (1)]	Iron	TS [Note (3]	EHS	1770 [Note (4)]	1370/ 1770	1570	1770	Min.	P.	Max.	IX.	Min.	?	Max	×
in.	mm	lb/ft	kg/m		lbf × 100			kN [Note	: (5)]		in.	mm	'n,	mm	j.	mm	ij.	mm
	٨		0.130				16.3	17.8	18.7	21.0	0.241	6.12	0.250	6.36	0.236	6.00	0.246	6.24
1/	6.4	0.10		2.2	3.6	5.2	:	:	•	:	0.255	6.48	0.265	6.73	0.250	6.35	0.260	6.60
5/.	79	0.16		3.2	5.6	8.1	:	:	:	•	0.319	8.10	0.331	8.41	0.313	7.94	0.325	8.2
91 /	8		0.231	:	:		28.9	31.7	33.2	37.4	0.321	8.16	0.334	8.48	0.315	8.00	0.328	8.3
	9		0.291		:	:	36.6	40.1	42.0	47.3	0.361	9.18	0.376	9.54	0.354	9.00	0.369	9.3
3%	9.5	0.23		5.0	8.2	11.6	:	:	:	:	0.383	9.72	0.398	10.10	0.375	9.53	0.390	9.91
	10		0.361				45.2	49.5	51.8	58.4	0.402	10.20	0.417	10.60	0.394	10.00	0.409	10.40
	11		0.437	:	:	:	54.7	59.9	62.7	70.7	0.442	11.22	0.455	11.55	0.433	11.00	0.446	11.3
7/16	11.1	0.31		6.4	11.0	15.7	:	÷	:	:	0.446	11.33	0.459	11.67	0.438	11.11	0.451	11.4
	12		0.517	:	:	÷	65.1	71.3	74.6	84.1	0.482	12.24	0.496	12.60	0.472	12.00	0.487	12.3
1/2	12.7	0.40		8.4	14.5	20.4	:		:	••••	0.510	12.95	0.525	13.34	0.500	12.70	0.515	13.0
	13	:	0.610	÷	÷	÷	76.4	83.7	87.6	98.7	0.522	13.26	0.537	13.65	0.512	13.00	0.527	13.3
	14		0.704	:	÷		88.6	97.0	102.0	114.0	0.562	14.28	0.579	14.70	0.551	14.00	0.568	14.42
3/16	14.3	0.51	:	10.6	18.5	25.7	::	:	÷	÷	0.574	14.57	0.591	15.00	0.563	14.29	0.579	14./
	15	:	0.808	:	•••	:	102.0	111.0	117.0	131.0	0.602	15.30	0.620	15.75	0.591	15.00	0.608	15.4
	15.9	0.63	÷	12.8	23.0	31.6	÷	:	:	:	0.638	16.19	0.656	16.67	0.625	15.88	0.644	16.35
:	16	:	0.924	:	•••	••••	116.0	127.0	133.0	150.0	0.643	16.32	0.661	16.80	0.630	16.00	0.649	16.48
	17.5	0.76	÷	15.5	27.0	38.2	:	:	:.	:	0.701	17.81	0./22	18.34	0.688	10.40	0.700	10 54
	18	:	1.160	•••	:	•••	146.0	160.0	168.0	189.0	0.723	18.36	0./44	18.90	0./09	10.00	0.700	10.04
	19	:	1.300	•••	:	:	163.0	179.0	187.0	211.0	0.763	19.38	0.785	19.95	0./48	19.00	0.770	19.57
	19.1	0.90	:	18.2	32.0	45.2	:	÷	:	÷	0.765	19.43	0.788	20.00	0.750	19.05	0.//3	19.62
	20	:	1.440	÷	:	•••	181.0	198.0	207.0	234.0	0.803	20.40	0.827	21.00	0.787	20.00	0.011	21.00
13/16	20.6	1.06	÷	21.5	37.0	52.9	:				0.829	21.05	0.853	21.0/	0.010	20.04	0.807	27.20
:	22	÷	1.750		:	:	219.0	240.0	1157	283.0	0.000	22.44	0.909	10 24	0.000	22.22	0 001	22 8
8/,	22.2	1.23	:	24.8	42.0	61.2	:		:	:	0.893	22.07	0.919	20.04	0.070	10 00	0.044	24.5
15/16	23.8	1.41	:	28.5	48.0	70.0	:	::	••••	:	0.956	24.29	0.984	20.00	0.900	20.01	4 000	7.47
1	25.4	1.60	:	32.0	54.0	79.5	:	÷	•••	:	1.020	25.91	1.050	26.67	1.000	25.40	1.030	20.10
$1\frac{1}{8}$	28.6	2.03	÷	40.5	67.4	•	÷	:	•••	:	1.148	29.15	1.181	30.00	1.125	28.58	1.159	29.4
$1^{1/4}$	31.8	2.50	÷	49.8	82.0	:	÷	÷	••••	:	1.275	32.39	1.313	33.34	1.250	31./5	1.288	32./0
$1^{3}/_{8}$	34.9	3.03	÷	60.0	98.0	÷	÷	÷		:	1.403	35.62	1.444	36.6/	1.3/5	34.93	1.410	2.00
. 1 .	100	07 C		71 7	1150				•••	••••	1.530	38.86	1.575	40.01	1.500	38.10	1.545	39.2

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Table I-1.1-2 Classification 8 \times 19 FC, Round Strand, Fiber Core or Polymer Core

	App	Approximate		nope orado		1180/					Diameter. Relaxed	. Relaxed		Di	ameter, 1	Diameter, 10% of MBF	
Diameter	Z_	Mass [Note (1)]	Iron	IS [Note (3]	EHS	[Note (4)]	13/0/ 1770	1570	1770	Min.		Max.	IX.	Min.		Max	×
in. mm	lb/ft	kg/m		lbf × 100			kN [Note (5)]	: (5)]		ē	mm	in.	mm	ij.	mm	'n.	mm
~	a constant	0 1 7 7				14.5	15.8	16.6	18.7	0.241	6.12	0.250	6.36	0.236	6.00	0.246	6.24
1/ 64	60 U		1.00	3.6	4.5	:		:	:	0.255	6.48	0.265	6.73	0.250	6.35	0.260	6.60
5/ 70			2.9	5.6	6.9	:	:	•	•	0.319	8.10	0.331	8.41	0.313	7.94	0.325	8.20
		0.222	: ;	:		25.7	28.1	29.4	33.2	0.321	8.16	0.334	8.48	0.315	8.00	0.328	8.32
		0.275				32.5	35.6	37.3	42.0	0.361	9.18	0.376	9.54	0.354	9.00	0.369	9.3
3/ 05	0.00		4.2	8.2	9.9	:	:	÷	÷	0.383	9.72	0.398	10.10	0.375	9.53	0.390	9.9
		0.347	:	•		40.1	44.0	46.0	51.9	0.402	10.20	0.417	10.60	0.394	10.00	0.409	10.4
	:	0.420	:	:	:	48.6	53.2	55.7	62.8	0.442	11.22	0.455	11.55	0.433	11.00	0.446	11.3
7/16 11.1	~	•	5.6	11.0	13.5	÷	÷	:.		0.446	11.33	0.459	11.67	0.438	11.11	0.451	11.4
		0.490	:	:	:	57.8	63.3	66.2	74.7	0.482	12.24	0.496	12.60	0.472	12.00	0.487	12.3
1/2 12.7	-		7.2	14.5	17.5	:	:	•••	:	0.510	12.95	0.525	13.34	0.500	12.70	0.515	13.0
		0.586	÷	÷	:	67.8	74.3	77.7	87.6	0.522	13.26	0.537	13.65	0.512	13.00	0.527	13.3
		0.666	:	:	:	78.7	86.1	90.2	102.0	0.562	14.28	0.579	14.70	0.551	14.00	0.568	14.4
% 14.3	~	:	9.2	18.5	22.1	:	÷	:	÷	0.574	14.57	0.591	15.00	0.563	14.29	0.5/9	14./
		0.765	:	•••	:	90.3	98.9	104.0	117.0	0.602	15.30	0.620	15.75	0.591	15.00	0.608	15.4
⁵ / ₈ 15.9		:	11.2	23.0	27.2	•••	:.	÷		0.638	16.19	0.656	16.67	0.625	15.88	0.644	10.3
		0.888		:	:	103.0	113.0	118.0	133.0	0.643	16.32	0.661	16.80	0.630	16.00	0.549	10.4
$^{11}\!/_{16}$ 17.9		÷	13.4	27.0	32.8	:	:	:	:	0.701	1/.81	0./22	18.34	0.000	10 00	0.700	10 0
	:	1.100	•	÷	÷	130.0	142.0	149.0	168.0	0.723	18.36	0./44	18.90	0.709	10.00	0.730	10.0
		1.250	•••	:	:.	145.0	159.0	166.0	187.0	0.763	19.38	0.785	19.95	0./48	19.00	0.770	19.0
3/4 19.3		:	16.0	32.0	38.9	÷	:	:	÷	0.765	19.43	0.788	20.00	0./50	19.05	0.//3	19.0
		1.360	:	:	•••	161.0	176.0	184.0	207.0	0.803	20.40	0.827	21.00	0./8/	20.00	0.811	20.6
$^{13}/_{16}$ 20.0	5 		18.6	37.0	46.0	:	÷	÷	÷	0.829	21.05	0.853	21.67	0.813	20.64	0.837	21.2
		1.680		:	:	194.0	213.0	223.0	251.0	0.883	22.44	0.909	23.10	0.866	22.00	0.892	22.6
		:	21.4	42.0	52.6	::	:	÷	:	0.893	22.67	0.919	23.34	0.875	22.23	0.901	22.8
¹⁵ / ₄ 23.8			24.6	48.0	60.0	:	:	:	:	0.956	24.29	0.984	25.00	0.938	23.81	0.966	24.5
	5 202	57.0	28.0	54.0	68.4	:	:	:		1.020	25.91	1.050	26.67	1.000	25.40	1.030	26.1
Dates			35.2	67.4	86.3	:	:	÷	:	1.148	29.15	1.181	30.00	1.125	28.58	1.159	29.4
11/2 31.8	89. 391		43.3	82.0	106.2	:	•••	:	:	1.275	32.39	1.313	33.34	1.250	31.75	1.288	32.70
1.20		:	52.2	98.0	128.2	:	÷	:	••••	1.403	35.62	1.444	36.67	1.375	34.93	1.416	10.5
			0 13	115 /	1500					1 530	38 86	1 575	40 01	1 500	38.10	1 545	22

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$1\frac{3}{8}$	1^{1}_{4}	$1\frac{1}{8}$	щ	15/16	7/8	:	13/16	÷	3/4	:		11/16		5/8		9/16		: ;	1/2		7/16		:	3/8	:		5/16	: :	1/4	:	in.	Diameter		
34.9	31.8	28.6	25.4	23.8	22.2	22	20.6	20	19.1	19	18	17.5	16	15.9	15	14.3	14	13	12.7	12	11.1	11	10	9.5	9	00	7.9	6.5	6.4	6	mm	ter		
3.330	2.770	2.240	1.760	1.550	1.350	:	1.160	:	0.998	:	:	0.838	÷	0.692	:	0.560		:	0.441	:	0.337	:	:	0.247	:	:	0.172	;	0.111	:	lb/ft	[Note	Approximate Mass	
:	÷	•	:	•••	:	1.970	:	1.630	÷	1.470	1.320	•	1.040	:	0.916	•	0.798	0.688	:	0.586	÷	0.492	0.407	÷	0.330	0.260	÷	0.172	:	0.147	kg/m	[Note (1)]	dimate	
153.0	127.0	103.0	81.1	71.2	62.1	:	53.5	:.	45.6	:	:	38.3	÷	31.7	:	25.6	÷	:	20.3	:	15.5	:	:	11.4	:		7.9	:	5.1	:	lbf × 100	[Note (3]	SL	Ro
173.0	143.0	116.0	91.4	80.3	70.0		60.3	÷	51.4	÷	÷	43.2	:	35.7		28.9	÷	÷	22.8	÷	17.5	•	÷	12.9	:	:	8.9	•••	5.7	:	100	EHS		pe Grade,
÷	÷	:	÷	:	:	:	÷	224.0	:	202.0	181.0	:	143.0	÷	126.0	÷	110.0	94.5	:	80.5	:	67.6	55.9	•••	45.3	35.8	:		•	20.1		[Note (4)]	1370/	Rope Grade, Minimum Breaking Force (MBF) [Note (2)]
÷	÷	:	•••		:	•••	•••	238.0	:	215.0	193.0	:	152.0	:	134.0	:	117.0	100.0	:	85.6		71.9	59.5	•••	48.2	38.0	:	÷	:	21.4	kN	1770	1570/	eaking For
÷	:	÷	÷	•••	•••	:	•••	224.0	:	202.0	181.0	÷	143.0	÷	126.0	÷	110.0	94.5	÷	80.5	÷	67.6	55.9		45.3	35.8	:	:	•	20.1	[Note (5)]	1570		ce (MBF) [
÷		÷	:	÷		••••	÷	252.0	÷	227.0	204.0	:	161.0	;	142.0	÷	124.0	106.0	:	90.7	÷	76.2	63.0	÷	51.0	40.3	:	÷	÷	22.7		1770		Note (2)]
: :	•••	::	:	:	÷	:		:	•••	:	÷	••••	÷	÷	•	÷	••••	:	•	:	÷	÷	÷	:	÷		÷	29.5	÷	÷		1960		
1.375	1.250	1.125	1.000	0.938	0.875	0.866	0.813	0.787	0.750	0.748	0.709	0.688	0.630	0.625	0.591	0.563	0.551	0.512	0.500	0.472	0.438	0.433	0.394	0.375	0.354	0.315	0.313	0.256	0.250	0.236	in.	Min.		
34.93 38.10	31./5	28.58	25.40	23.81	22.23	22.00	20.64	20.00	19.05	19.00	18.00	17.46	16.00	15.88	15.00	14.29	14.00	13.00	12.70	12.00	11.11	11.00	10.00	9.53	9.00	8.00	7.94	6.50	6.35	6.00	mm	in.	Diamete	
1.416 1.545	1.288	1.159	1.030	0.966	0.901	0.892	0.837	0.811	0.773	0.770	0.730	0.708	0.649	0.644	0.608	0.579	0.568	0.527	0.515	0.487	0.451	0.446	0.406	0.386	0.365	0.324	0.322	0.264	0.258	0.243	ē	M	Diameter, Relaxed	
35.97 39.24	32.70	29.43	26.16	24.53	22.89	22.00	21.26	20.60	19.62	19.57	18.54	17.99	16.48	16.35	15.45	14.72	14.42	13.39	13.08	12.36	11.45	11.33	10.30	9.81	9.27	8.24	8.18	6.70	6.54	6.18	mm	Max.		
1.361	1.238	1.114	0.990	0.928	0.000	0.857	0.804	0./80	0.743	0.741	0.702	0.681	0.624	0.619	0.585	0.557	0.546	0.507	0.495	0.468	0.433	0.429	0.390	0.371	0.351	0.312	0.309	0.253	0.248	0.234	j.	N		
34.58	01.40	20.29	C1.C2	23.5/	22.00	01.12	20.43	19.80	18.86	18.81	17.82	17.29	15.84	15.72	14.85	14.14	13.86	12.87	12.57	11.88	11.00	10.89	9.90	9.43	8.91	7.92	7.86	6.44	6.29	5.94	mm	Min.)iameter,	
1.403	C / 7. T	1.140	1.020	0.900	0.070	0.000	0.029	0.803	0.765	0.763	0.000	0.701	0.643	0.638	0.602	0.574	0.562	0.522	0.510	0.482	0.446	0.442	0.402	0.383	0.361	0.321	0.319	0.261	0.255	0.241	à.	M	Diameter, 10% of MBF	
35.62	20.20	27.20	16.05	24.29	10.72	22.44	27.00	20.40	19.43	19.38	18.36	17.81	16.32	16.19	15.30	14.57	14.28	13.26	12.95	12.24	11.33	11.22	10.20	9./2	9.18	8.16	8.10	6.63	6.48	6.12	mm	Max.	BF	

Table I-1.1-3 Classification 8 \times 19, Round Strand, Steel Core

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