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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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2001 x 391 = 78201

Rope Grade, Minimum Breaking Force (MBF) [Note (2)]																		
Approximate Mass			Iron				Diameter, Relaxed		Diameter, 10% of MBF									
Diameter		[Note (1)]	TS	EHS	1180/1770	1370/1770	1570	1770	Min.	Max.	Min.	Max.						
in.	mm	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m	lb/ft	kg/m					
1/4	6	0.10	0.130	2.2	3.6	5.2	16.3	17.8	18.7	21.0	0.241	6.12	0.250	6.36	0.236	6.00	0.246	6.24
5/16	6.4	0.16	0.203	3.2	5.6	8.1	16.3	17.8	18.7	21.0	0.255	6.48	0.265	6.73	0.250	6.35	0.260	6.60
3/8	7.9	0.23	0.291	5.0	8.2	11.6	16.3	17.8	18.7	21.0	0.319	8.10	0.331	8.41	0.313	7.94	0.325	8.26
1/2	10	0.36	0.457	6.4	11.0	15.7	16.3	17.8	18.7	21.0	0.402	10.20	0.417	10.60	0.394	10.00	0.409	10.40
5/8	11	0.43	0.551	7.4	13.0	18.5	16.3	17.8	18.7	21.0	0.442	11.22	0.455	11.55	0.433	11.00	0.446	11.33
3/4	12.7	0.60	0.764	8.4	14.5	20.4	16.3	17.8	18.7	21.0	0.446	11.33	0.459	11.67	0.438	11.11	0.451	11.45
7/8	14.3	0.80	1.020	10.6	18.5	25.7	16.3	17.8	18.7	21.0	0.510	12.95	0.525	13.34	0.500	12.70	0.515	13.08
1	15.9	1.06	1.350	12.8	23.0	31.6	16.3	17.8	18.7	21.0	0.574	14.57	0.591	15.00	0.551	14.00	0.568	14.42
1 1/8	17.5	1.30	1.660	15.5	27.0	38.2	16.3	17.8	18.7	21.0	0.602	15.30	0.620	15.75	0.591	15.00	0.608	15.45
1 1/4	19.1	1.60	2.030	18.2	32.0	45.2	16.3	17.8	18.7	21.0	0.638	16.19	0.656	16.67	0.625	15.88	0.644	16.33
1 1/2	20.6	1.90	2.430	21.5	37.0	52.9	16.3	17.8	18.7	21.0	0.643	16.32	0.661	16.80	0.630	16.00	0.649	16.48
1 3/8	22.2	2.23	2.850	24.8	42.0	61.2	16.3	17.8	18.7	21.0	0.701	17.81	0.722	18.34	0.688	17.46	0.708	17.99
1 3/4	23.8	2.54	3.200	28.5	48.0	70.0	16.3	17.8	18.7	21.0	0.723	18.36	0.744	18.90	0.709	18.00	0.730	18.55
1 7/8	25.4	2.90	3.700	32.0	54.0	79.5	16.3	17.8	18.7	21.0	0.763	19.38	0.785	19.95	0.748	19.00	0.770	19.55
2	28.6	3.40	4.300	40.5	67.4	98.0	16.3	17.8	18.7	21.0	0.803	20.40	0.827	21.00	0.787	20.00	0.811	20.66
2 1/8	31.8	4.03	5.100	49.8	82.0	116.0	16.3	17.8	18.7	21.0	0.829	21.05	0.853	21.67	0.813	20.64	0.837	21.22
2 1/2	34.9	4.70	5.900	60.0	98.0	135.0	16.3	17.8	18.7	21.0	0.883	22.44	0.909	23.10	0.866	22.00	0.892	22.66
2 3/8	38.1	5.40	6.800	71.2	115.0	155.0	16.3	17.8	18.7	21.0	0.893	22.67	0.919	23.34	0.875	22.23	0.901	22.88
2 3/4	41.3	6.20	7.800	78.4	127.0	170.0	16.3	17.8	18.7	21.0	0.956	24.29	0.984	25.00	0.938	23.81	0.966	24.55
2 7/8	44.5	7.10	9.000	84.6	141.0	194.0	16.3	17.8	18.7	21.0	1.020	25.91	1.050	26.67	1.000	25.40	1.030	26.11
3	47.6	8.10	10.300	90.7	155.0	210.0	16.3	17.8	18.7	21.0	1.148	29.15	1.181	30.00	1.125	28.58	1.159	29.45
3 1/8	50.8	9.20	11.700	98.9	167.0	229.0	16.3	17.8	18.7	21.0	1.403	35.62	1.444	36.67	1.375	34.93	1.416	35.99
3 1/2	54.0	10.40	13.300	108.0	181.0	250.0	16.3	17.8	18.7	21.0	1.530	38.86	1.575	40.01	1.500	38.10	1.545	39.22

16F x 1000

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

Rope Grade, Minimum Breaking Force (MBF) [Note (2)]																
Diameter	Approximate Mass [Note (1)]	TS					EHS					Diameter, Relaxed		Diameter, 10% of MBF		
		Iron	[Note (3)]	[Note (4)]	1180/ 1770	1370/ 1770	1570	1770	Min.	Max.	Min.	Max.				
in.	mm	lb/ft	kg/m	lbF × 100	kN [Note (5)]	in.	mm	in.	mm	in.	mm	in.	mm			
...	6	...	0.122	...	14.5	15.8	16.6	18.7	0.241	6.12	0.250	6.36	0.236	6.00	0.246	6.24
1/4	6.4	0.09	...	...	...	...	...	...	0.255	6.48	0.265	6.73	0.250	6.35	0.260	6.60
5/16	7.9	0.14	...	...	...	...	...	...	0.319	8.10	0.331	8.41	0.313	7.94	0.325	8.26
...	8	...	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
...	9	...	0.275	...	32.5	35.6	37.3	42.0	0.361	9.18	0.376	9.54	0.354	9.00	0.369	9.36
3/8	9.5	0.20	...	...	...	...	...	...	0.383	9.72	0.398	10.10	0.375	9.53	0.390	9.91
...	10	...	0.347	...	40.1	44.0	46.0	51.9	0.402	10.20	0.417	10.60	0.394	10.00	0.409	10.40
...	11	...	0.420	...	48.6	53.2	55.7	62.8	0.442	11.22	0.455	11.55	0.433	11.00	0.446	11.33
7/16	11.1	0.28	...	...	57.8	63.3	66.2	74.7	0.446	11.33	0.459	11.67	0.438	11.11	0.451	11.45
...	12	...	0.490	...	...	...	...	...	0.482	12.24	0.496	12.60	0.472	12.00	0.487	12.36
1/2	12.7	0.36	...	...	...	...	...	...	0.510	12.95	0.525	13.34	0.500	12.70	0.515	13.08
...	13	...	0.586	...	67.8	74.3	77.7	87.6	0.522	13.26	0.537	13.65	0.512	13.00	0.527	13.39
...	14	...	0.666	...	78.7	86.1	90.2	102.0	0.562	14.28	0.579	14.70	0.551	14.00	0.568	14.42
9/16	14.3	0.46	...	...	...	...	...	...	0.574	14.57	0.591	15.00	0.563	14.29	0.579	14.72
...	15	...	0.765	...	90.3	98.9	104.0	117.0	0.602	15.30	0.620	15.75	0.591	15.00	0.608	15.45
5/8	15.9	0.57	...	...	...	...	...	...	0.638	16.19	0.656	16.67	0.625	15.88	0.644	16.35
...	16	...	0.888	...	103.0	113.0	118.0	133.0	0.643	16.32	0.661	16.80	0.630	16.00	0.649	16.48
11/16	17.5	0.69	...	...	...	...	...	...	0.701	17.81	0.722	18.34	0.688	17.46	0.708	17.99
...	18	...	1.100	...	130.0	142.0	149.0	168.0	0.723	18.36	0.744	18.90	0.709	18.00	0.730	18.54
...	19	...	1.250	...	145.0	159.0	166.0	187.0	0.763	19.38	0.785	19.95	0.748	19.00	0.770	19.54
3/4	19.1	0.82	...	...	...	...	...	...	0.765	19.43	0.788	20.00	0.750	19.05	0.773	19.62
...	20	...	1.360	...	161.0	176.0	184.0	207.0	0.803	20.40	0.827	21.00	0.787	20.00	0.811	20.60
13/16	20.6	0.96	...	...	...	...	...	...	0.829	21.05	0.853	21.67	0.813	20.64	0.837	21.26
...	22	...	1.680	...	194.0	213.0	223.0	251.0	0.883	22.44	0.909	23.10	0.866	22.00	0.892	22.66
7/8	22.2	1.11	...	...	...	...	...	...	0.893	22.67	0.919	23.34	0.875	22.23	0.901	22.88
15/16	23.8	1.27	...	...	...	...	...	...	0.956	24.29	0.984	25.00	0.938	23.81	0.966	24.53
1	25.4	1.45	...	...	...	...	...	...	1.020	25.91	1.050	26.67	1.000	25.40	1.030	26.16
1 1/8	28.6	1.84	...	...	...	...	...	...	1.148	29.15	1.181	30.00	1.125	28.58	1.159	29.43
1 1/4	31.8	2.27	...	...	...	...	...	...	1.275	32.39	1.313	33.34	1.250	31.75	1.288	32.70
1 3/8	34.9	2.74	...	...	...	...	...	...	1.403	35.62	1.444	36.67	1.375	34.93	1.416	35.97
1 1/2	38.1	3.26	...	...	...	...	...	...	1.530	38.86	1.575	40.01	1.500	38.10	1.545	39.24

1bf x 1000

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

Rope Grade, Minimum Breaking Force (MBF) [Note (2)]																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Approximate Mass				TS					EHS					1370/1770					1570/1770					1770					1960					Diameter, Relaxed				Diameter, 10% of MBF																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Diameter		Mass [Note (1)]		[Note (3)]		[Note (4)]		[Note (5)]		kN [Note (5)]		1770		1770		1770		1960		in.		mm		in.		mm		in.		mm		in.		mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
in.		mm		lb/ft		kg/m		lbf x 100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
1/4	6	6.4	0.111	...	0.147	...	5.1	...	5.7	...	20.1	21.4	20.1	22.7	...	0.236	6.00	0.243	6.18	0.234	5.94	0.241	6.12	6.48	0.255	6.48	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	6.44	0.261	6.53	0.253	