

STEEL-CORED ALUMINIUM—continued.

(B.) 7/066 in.

Constants.—Area, 0.02395 sq. in.; breaking-strength, 1,185 lb.; diameter, 0.198 in.; loading factor, 8.312; maximum tension in conductor, 474 lb.; weight, 0.036 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	318	0 5 $\frac{1}{2}$	258	0 7	200	0 9	147	1 0	106	1 5	80	1 10
220 ..	247	0 10 $\frac{1}{2}$	191	1 2	144	1 6	110	2 0	86	2 6	72	3 1
260 ..	174	1 9	135	2 3	107	2 10	88	3 5	76	4 0	67	4 7
300 ..	123	3 3	102	3 11	88	4 7	78	5 2	70	5 9	64	6 4
340 ..	97	5 4	86	6 0	79	6 7	72	7 3	67	7 10	63	8 4
380 ..	85	7 8	78	8 4	73	8 11	68	9 7	65	10 1	61	10 7

(C.) 7/074 in.

Constants.—Area, 0.03011 sq. in.; breaking-strength, 1,464 lb.; diameter, 0.222 in.; loading factor, 7.413 lb.; maximum tension in conductor, 585.6 lb.; weight, 0.04533 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	424	0 5 $\frac{1}{2}$	348	0 6 $\frac{1}{2}$	273	0 8	205	0 10 $\frac{1}{2}$	148	1 3	109	1 10
220 ..	348	0 9 $\frac{1}{2}$	277	1 0	212	1 4	160	1 9	122	2 3	99	2 9
260 ..	265	1 5	205	1 10	160	2 5	129	3 0	108	3 7	93	4 1
300 ..	196	2 7	158	3 3	131	3 11	113	4 6	99	5 2	89	5 9
340 ..	152	4 4	130	5 0	115	5 9	102	6 5	94	7 0	87	7 6
380 ..	127	6 5	115	7 2	105	7 10	97	8 5	91	9 1	85	9 8

(D.) 7/083 in.

Constants.—Area, 0.03787 sq. in.; breaking-strength, 1,718 lb.; diameter, 0.249 in.; loading factor, 6.627; maximum tension in conductor, 687.2 lb.; weight, 0.057 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	503	0 5 $\frac{1}{2}$	407	0 7	315	0 9	232	1 0	168	1 5	126	1 10
220 ..	415	0 10	327	1 1	249	1 5	188	1 10	146	2 4	119	2 11
260 ..	325	1 6	253	1 11	197	2 5	158	3 0	133	3 7	115	4 2
300 ..	246	2 7	198	3 3	165	3 11	141	4 7	124	5 2	113	5 8
340 ..	194	4 3	166	4 11	146	5 8	131	6 3	120	6 11	110	7 6
380 ..	165	6 3	148	6 11	136	7 7	125	8 3	116	8 10	108	9 6

(E.) 7/0935 in.

Constants.—Area, 0.048 sq. in.; breaking-strength, 2,181 lb.; diameter, 0.281 in.; loading factor, 5.757; maximum tension in conductor, 872.4 lb.; weight, 0.07266 lb. per foot.

Span.	Datum.		Degrees Fahrenheit above Datum.									
	0.		20.		40.		60.		80.		100.	
	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.	Ten.	Sag.
Ft.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
180 ..	696	0 5	574	0 6	454	0 8	343	0 10 $\frac{1}{2}$	249	1 2	184	1 7
220 ..	612	0 8 $\frac{1}{2}$	493	0 10 $\frac{1}{2}$	384	1 2	290	1 6	220	2 0	173	2 7
260 ..	518	1 2	411	1 6	318	1 11	249	2 6	201	3 1	168	3 8
300 ..	422	1 11	335	2 5	268	3 1	221	3 8	187	4 4	164	5 0
340 ..	340	3 1	278	3 9	234	4 6	202	5 2	179	5 10	161	6 6
380 ..	282	4 8	243	5 5	212	6 2	190	6 11	174	7 6	160	8 2