STEEL-CORED ALUMINIUM—*continued.*

(F.) 7/·102 in.

Constants.—Area, 0·05720 sq. in.; breaking-strength, 2,548 lb.; diameter, 0·306 in.; loading factor, 5·409; maximum tension in conductor, 1,019·2 lb.; weight, 0·08633 lb. per foot.

Span.	Datum. 0.		Degrees Fahrenheit above Datum. 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 ..	829	0 5	681	0 6	539	0 8	406	0 10½	294	1 2	216	1 7
220 ..	736	0 8½	596	0 10½	464	1 2	351	1 6	265	2 0	208	2 6
260 ..	635	1 2	504	1 5	391	1 10	304	2 5	246	3 0	204	3 7
300 ..	528	1 10	419	2 4	334	2 11	273	3 7	230	4 3	200	4 10
340 ..	432	2 11	351	3 7	292	4 3	251	5 0	221	5 8	198	6 4
380 ..	362	4 4	307	5 1	267	5 10	237	6 7	215	7 3	197	7 11

(G.) 7/·118 in.

Constants.—Area, 0·07655 sq. in.; breaking-strength, 3,410 lb.; diameter, 0·354 in.; loading factor, 4·698; maximum tension in conductor, 1,363·8 lb.; weight, 0·11566 lb. per foot.

Span.	Datum. 0.		Degrees Fahrenheit above Datum. 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 ..	1178	0 4¾	975	0 5¾	784	0 7	600	0 9½	442	1 1	318	1 6
220 ..	1078	0 8	887	0 9½	705	1 0	541	1 4	407	1 9	312	2 3
260 ..	973	1 0	792	1 3	624	1 7	484	2 0	379	2 7	307	3 2
300 ..	858	1 6	693	1 11	550	2 4	437	3 0	359	3 8	304	4 3
340 ..	748	2 3	606	2 9	491	3 5	405	4 2	345	4 10	302	5 6
380 ..	638	3 3	526	4 0	442	4 9	379	5 6	333	6 3	299	7 0

(H.) 7/·132 in.

Constants.—Area, 0·09579 sq. in.; breaking-strength, 4,106 lb.; diameter, 0·396 in.; loading factor, 4·227; maximum tension in conductor, 1,642·4 lb.; weight, 0·1446 lb. per foot.

Span.	Datum. 0.		Degrees Fahrenheit above Datum. 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 ..	1436	0 5	1191	0 6	951	0 7½	727	0 9½	530	1 1	382	1 6
220 ..	1337	0 8	1097	0 9½	869	1 0	665	1 4	499	1 9	383	2 3
260 ..	1223	1 0	992	1 3	785	1 7	608	2 0	476	2 7	384	3 2
300 ..	1100	1 6	887	1 10	703	2 4	560	2 11	457	3 7	385	4 3
340 ..	972	2 2	786	2 8	636	3 3	524	4 0	444	4 9	386	5 5
380 ..	851	3 1	698	3 9	583	4 6	497	5 3	433	6 0	386	6 9

(I.) 7/·144 in.

Constants.—Area, 0·1140 sq. in.; breaking-strength, 4,886 lb.; diameter, 0·432 in.; loading factor, 3·892; maximum tension in conductor, 1,954·4 lb.; weight, 0·1723 lb. per foot.

Span.	Datum. 0.		Degrees Fahrenheit above Datum. 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 ..	1744	0 5	1456	0 5¾	1167	0 7	896	0 9½	658	1 1	477	1 6
220 ..	1644	0 7½	1362	0 9	1089	0 11½	837	1 3	629	1 8	482	2 2
260 ..	1531	0 11½	1260	1 2	1000	1 6	776	1 11	605	2 5	486	3 0
300 ..	1407	1 5	1147	1 8	916	2 1	723	2 8	585	3 4	488	4 0
340 ..	1272	2 0	1034	2 5	837	3 0	683	3 8	570	4 5	489	5 1
380 ..	1140	2 9	935	3 4	772	4 0	650	4 9	559	5 7	492	6 4