

STEEL-CORED ALUMINIUM—continued.

(J.) 7/157 in.

Constants.—Area, 0.1355 sq. in.; breaking-strength, 5,586 lb.; diameter, 0.471 in.; loading factor, 3.595; maximum tension in conductor, 2,234.4 lb.; weight, 0.2046 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 ..	2011	0 5	1664	0 6	1328	0 7½	1008	0 10	735	1 2	536	1 7
220 ..	1905	0 8	1566	0 9½	1243	1 0	952	1 4	713	1 9	551	2 3
260 ..	1780	1 0	1457	1 2	1153	1 6	895	1 11	698	2 6	564	3 1
300 ..	1644	1 5	1339	1 9	1068	2 2	846	2 9	684	3 4	572	4 0
340 ..	1503	2 0	1222	2 5	988	3 0	806	3 8	675	4 5	580	5 1
380 ..	1361	2 9	1118	3 4	921	4 0	773	4 9	664	5 7	585	6 4

(K.) 7/161 in.

Constants.—Area, 0.1425 sq. in.; breaking-strength, 5,874 lb.; diameter, 0.483 in.; loading factor, 3.511; maximum tension in conductor, 2,349.6 lb.; weight, 0.2152 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 ..	2127	0 5	1760	0 6	1404	0 7½	1072	0 10	779	1 1	563	1 7
220 ..	2018	0 8	1663	0 9	1323	1 0	1014	1 3	760	1 9	583	2 3
260 ..	1910	0 11	1552	1 2	1229	1 6	956	1 11	744	2 5	598	3 1
300 ..	1759	1 5	1434	1 8	1140	2 2	906	2 8	733	3 4	608	4 0
340 ..	1616	1 11	1318	2 4	1064	2 11	865	3 7	723	4 4	619	5 1
380 ..	1470	2 8	1204	3 3	993	3 11	832	4 8	713	5 6	626	6 3

(L.) 7/166 in.

Constants.—Area, 0.1515 sq. in.; breaking-strength, 6,061 lb.; diameter, 0.498 in.; loading factor, 3.413; maximum tension in conductor, 3,030.5 lb.; weight, 0.229 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 ..	2878	0 3½	2485	0 4½	2093	0 5½	1707	0 6½	1336	0 8½	997	0 11
220 ..	2802	0 6	2410	0 7	2029	0 8	1651	0 10	1296	1 1	983	1 5
260 ..	2714	0 8½	2328	0 10	1954	1 0	1588	1 3	1255	1 7	973	2 0
300 ..	2614	1 0	2229	1 2	1868	1 5	1522	1 8	1212	2 2	963	2 8
340 ..	2500	1 4	2132	1 7	1778	1 10	1453	2 3	1170	2 10	954	3 6
380 ..	2372	1 9	2025	2 1	1685	2 5	1385	3 0	1138	3 8	945	4 5

(M.) 7/177 in.

Constants.—Area, 0.17224 sq. in.; breaking-strength, 6,819 lb.; diameter, 0.531 in.; loading factor, 3.219; maximum tension in conductor, 3,409.5 lb.; weight, 0.2603 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 ..	3251	0 4	2808	0 4½	2363	0 5½	1920	0 6½	1506	0 8½	1118	0 11½
220 ..	3180	0 6	2735	0 7	2298	0 8½	1869	0 10	1468	1 1	1112	1 5
260 ..	3085	0 8½	2649	0 10	2218	1 0	1805	1 3	1427	1 7	1107	2 0
300 ..	2985	1 0	2553	1 2	2132	1 4	1738	1 8	1389	2 1	1100	2 8
340 ..	2873	1 4	2450	1 6	2044	1 10	1672	2 3	1350	2 9	1096	3 5
380 ..	2749	1 9	2332	2 0	1950	2 5	1605	2 11	1315	3 7	1093	4 4