

BARE GALVANIZED STEEL—continued.

**45,000 lb. BASIS.** (B.) 1/192 in. (6 S.W.G.).

Constant.—Area, 0.02895 sq. in.; breaking-strength, 2,606 lb.; diameter, 0.192 in.; loading factor, 3.093; maximum tension in conductor, 1,303 lb.; weight, 0.09841 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.
Chains.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.	lb.	Ft. in.
5 ..	1130	1 2	1026	1 3½	923	1 5½	823	1 7½	727	1 10	638	2 1
6 ..	1060	1 10	960	2 0	862	2 3	770	2 6	683	2 10	604	3 2
7 ..	982	2 8	888	2 11½	798	3 3	716	3 8	640	4 1	572	4 7
8 ..	901	3 10	816	4 3	736	4 8	664	5 2	601	5 9	545	6 4

**45,000 lb. BASIS.** (C.) 7/16 in. (7/16 S.W.G.).

Constants.—Area, 0.02252 sq. in.; breaking-strength, 2,026 lb.; diameter, 0.192 in.; loading factor, 3.832; maximum tension in conductor, 1,013 lb.; weight, 0.07785 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 ..	945	0 4	860	0 4½	776	0 5	693	0 5½	610	0 6½	528	0 7½
220 ..	912	0 6½	828	0 6¾	745	0 7½	663	0 8½	583	0 9¾	504	0 11½
260 ..	873	0 9	790	0 10	708	0 11½	629	1 0½	551	1 2½	477	1 4½
300 ..	829	1 0¾	748	1 2	668	1 3¾	592	1 5¾	518	1 8½	450	1 11½
340 ..	780	1 5¾	701	1 7½	625	1 9½	553	2 0½	485	2 4	424	2 8
380 ..	727	1 11	652	2 2	580	2 5	514	2 9	453	3 1	399	3 6

**45,000 lb. BASIS.** (D.) 5/14 in. (5/14 S.W.G.).

Constants.—Area, 0.02513 sq. in.; breaking-strength, 2,262 lb.; diameter, 0.216 in.; loading factor, 3.865; maximum tension in conductor, 1,131 lb.; weight, 0.08679 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 ..	1053	0 8	959	0 8¾	866	0 9¾	772	0 11	679	1 0½	590	1 2½
220 ..	1016	1 0½	923	1 1¾	830	1 3¾	739	1 5	648	1 7½	562	1 10½
260 ..	973	1 6	880	1 8	790	1 10½	700	2 1	614	2 4½	532	2 9
300 ..	922	2 1½	832	2 4	744	2 8	658	3 0	576	3 5	500	3 11
340 ..	867	2 11	779	3 3	695	3 7	614	4 1	538	4 8	470	5 4
380 ..	808	3 10½	724	4 4	645	4 10	570	5 6	502	6 3	443	7 1

**45,000 lb. BASIS.** (E.) 7/14 in. (7/14 S.W.G.).

Constants.—Area, 0.03519 sq. in.; breaking-strength, 3,166 lb.; diameter, 0.240 in.; loading factor, 3.124; maximum tension in conductor, 1,583 lb.; weight, 0.1216 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 ..	1515	0 4	1382	0 4½	1251	0 4¾	1120	0 5½	990	0 6	862	0 6¾
220 ..	1482	0 6	1351	0 6½	1221	0 7¼	1092	0 8	965	0 9¼	841	0 10¾
260 ..	1443	0 8½	1313	0 9¾	1184	0 10¾	1058	0 11¾	934	1 1	815	1 3¾
300 ..	1398	0 11¾	1270	1 1	1144	1 2¼	1020	1 4	901	1 6	788	1 9
340 ..	1349	1 3¾	1223	1 5½	1100	1 7	981	1 9½	867	2 0½	761	2 3½
380 ..	1293	1 8½	1171	1 10½	1052	2 1	938	2 4	832	2 8	731	3 0