

# Element 20 Truss



## Component Weights

Part No	Description	WT (lbs)
E2010FN	10ft section including nuts & bolts	78
E208FN	8ft section including nuts & bolts	63
E205FN	5ft section including nuts & bolts	51
E203MN	3m section including nuts & bolts	78
E202MN	2m section including nuts & bolts	58
E201MN	1m section including nuts & bolts	39
MDC2N	2 way corner section Bolted connection	35
MDC3N	3 way corner section Bolted connection	46
MDC4N	4 way corner section Bolted connection	55
MDC5N	5 way corner section Bolted connection	64
MDC6N	6 way corner section Bolted connection	73

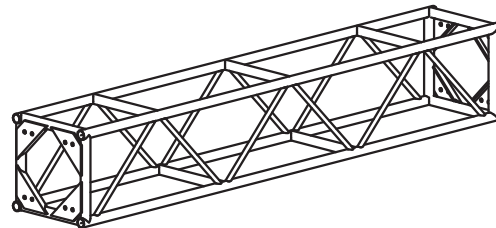
## Load Data

span (ft)	Uniform Loads			Center Pt. Load		Third Pt. Load		Quarter Pt. Load	
	load (plf)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)	load (lbs)	defl (in)
5	1236	6178	0.007	6178	0.011	3089	0.009	2059	0.009
10	615	6149	0.055	5638	0.080	3074	0.075	2050	0.069
15	408	6119	0.185	3734	0.181	2800	0.230	1867	0.214
20	277	5549	0.401	2774	0.322	2081	0.410	1387	0.381
25	175	4386	0.626	2193	0.505	1645	0.640	1096	0.596
30	120	3600	0.902	1800	0.730	1350	0.921	900	0.859
35	87	3031	1.228	1515	0.998	1136	1.253	758	1.17
40	65	2596	1.603	1298	1.310	973	1.636	649	1.53
45	50	2251	2.029	1126	1.667	844	2.070	563	1.939
50	39	1970	2.505	985	2.070	739	2.554	492	2.396
55	32	1734	3.031	867	2.521	650	3.088	433	2.904
60	26	1532	3.608	766	3.022	575	3.673	383	3.461

## Truss Features

Description	Specification
■ External Dimensions	■ 20-1/2" w. x 20-1/2"h.
■ Connection Centers	■ 13.78" x 13.78"
■ Material Type	■ 6061-T6 Aluminum
■ Connector Type	■ 5/8" Grade 8 Steel nuts & bolts
■ Maximum Certified Span	■ 60ft

## 3d view



## Dimensions

