

BXUV.X795
Wide Flange Columns
GCP APPLIED TECHNOLOGIES INC — Types Z-146, Z-146 NPP, Z-146PC,
Z-146T, Z-156, Z-156PC, Z-156

Member		FULL FLANGE TIP THICKNESS				
Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
W4 x 13	0.556	7/8	1 5/16	1 1/2	2 1/4	3
W5 x 16	0.550	7/8	1 5/16	1 1/2	2 1/4	3
W5 x 19	0.644	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W6 x 9	0.338	1 1/16	1 7/16	1 1/2	2 1/4	3
W6 x 12	0.448	15/16	1 3/8	1 1/2	2 1/4	3
W6 x 15	0.431	1	1 7/16	1 1/2	2 1/4	3
W6 x 16	0.584	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W6 x 20	0.563	7/8	1 1/4	1 1/2	2 1/4	3
W6 x 25	0.696	3/4	1 1/8	1 3/8	2	2 1/2
W8 x 10	0.327	NR	NR	NR	NR	NR
W8 x 13	0.421	1	1 7/16	1 1/2	2 1/4	3
W8 x 15	0.481	15/16	1 3/8	1 1/2	2 1/4	3
W8 x 18	0.499	15/16	1 3/8	1 1/2	2 1/4	3
W8 x 21	0.577	7/8	1 1/4	1 1/2	2 1/4	3
W8 x 24	0.591	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W8 x 28	0.688	3/4	1 3/16	1 3/8	2	2 1/2
W8 x 31	0.665	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W8 x 35	0.749	3/4	1 1/8	1 3/8	2	2 1/2
W8 x 40	0.849	11/16	7/8	1 1/8	1 9/16	1 15/16
W8 x 48	1.000	5/8	7/8	1 1/8	1 9/16	1 15/16
W8 x 58	1.200	9/16	13/16	1 1/8	1 9/16	1 15/16
W8 x 67	1.370	1/2	3/4	1	1 1/2	1 15/16
W10 x 12	0.347	1 1/16	1 7/16	1 1/2	2 1/4	3
W10 x 15	0.429	1	1 7/16	1 1/2	2 1/4	3
W10 x 17	0.482	15/16	1 3/8	1 1/2	2 1/4	3
W10 x 19	0.538	7/8	1 5/16	1 1/2	2 1/4	3
W10 x 22	0.523	7/8	1 5/16	1 1/2	2 1/4	3
W10 x 26	0.612	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W10 x 30	0.699	3/4	1 1/8	1 3/8	2	2 1/2
W10 x 33	0.661	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W10 x 39	0.780	3/4	1 1/16	1 3/8	2	2 1/2
W10 x 45	0.888	11/16	7/8	1 1/8	1 9/16	1 15/16
W10 x 49	0.840	11/16	7/8	1 1/8	1 9/16	1 15/16
W10 x 54	0.922	11/16	7/8	1 1/8	1 9/16	1 15/16
W10 x 60	1.010	5/8	7/8	1 1/8	1 9/16	1 15/16
W10 x 68	1.150	9/16	7/8	1 1/8	1 9/16	1 15/16
W10 x 77	1.280	9/16	13/16	1 1/16	1 9/16	1 15/16
W10 x 88	1.450	1/2	3/4	1	1 7/16	1 15/16
W10 x 100	1.640	7/16	11/16	7/8	1 5/16	1 3/4
W10 x 112	1.810	7/16	5/8	13/16	1 1/4	1 5/8
W12 x 14	0.363	1 1/16	1 7/16	1 1/2	2 1/4	3

Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
W12 x 16	0.410	1	1 7/16	1 1/2	2 1/4	3
W12 x 19	0.485	15/16	1 3/8	1 1/2	2 1/4	3
W12 x 22	0.560	7/8	1 5/16	1 1/2	2 1/4	3
W12 x 26	0.531	7/8	1 5/16	1 1/2	2 1/4	3
W12 x 30	0.607	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W12 x 35	0.703	3/4	1 1/8	1 3/8	2	2 1/2
W12 x 40	0.734	3/4	1 1/8	1 3/8	2	2 1/2
W12 x 45	0.829	11/16	1 1/16	1 3/8	2	2 1/2
W12 x 50	0.909	11/16	7/8	1 1/8	1 9/16	1 15/16
W12 x 53	0.855	11/16	7/8	1 1/8	1 9/16	1 15/16
W12 x 58	0.925	11/16	7/8	1 1/8	1 9/16	1 15/16
W12 x 65	0.925	11/16	7/8	1 1/8	1 9/16	1 15/16
W12 x 72	1.020	5/8	7/8	1 1/8	1 9/16	1 15/16
W12 x 79	1.110	5/8	7/8	1 1/8	1 9/16	1 15/16
W12 x 87	1.220	9/16	13/16	1 1/16	1 9/16	1 15/16
W12 x 96	1.340	1/2	3/4	1	1 1/2	1 15/16
W12 x 106	1.470	1/2	3/4	15/16	1 7/16	1 7/8
W12 x 120	1.650	7/16	11/16	7/8	1 5/16	1 3/4
W12 x 136	1.860	7/16	5/8	13/16	1 3/16	1 9/16
W12 x 152	2.040	3/8	9/16	3/4	1 1/8	1 1/2
W12 x 170	2.260	3/8	9/16	11/16	1 1/16	1 3/8
W12 x 190	2.500	5/16	1/2	5/8	15/16	1 1/4
W12 x 210	2.730	5/16	7/16	9/16	7/8	1 3/16
W12 x 230	2.960	5/16	7/16	9/16	13/16	1 1/8
W12 x 252	3.200	5/16	7/16	9/16	13/16	1 1/16
W12 x 279	3.500	1/4	3/8	1/2	3/4	15/16
W12 x 305	3.760	1/4	3/8	1/2	11/16	15/16
W12 x 336	4.060	1/4	5/16	7/16	5/8	7/8
W14 x 22	0.476	15/16	1 3/8	1 1/2	2 1/4	3
W14 x 26	0.559	7/8	1 5/16	1 1/2	2 1/4	3
W14 x 30	0.562	7/8	1 1/4	1 1/2	2 1/4	3
W14 x 34	0.633	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W14 x 38	0.706	3/4	1 1/8	1 3/8	2	2 1/2
W14 x 43	0.752	3/4	1 1/8	1 3/8	2	2 1/2
W14 x 48	0.835	11/16	1 1/16	1 3/8	2	2 1/2
W14 x 53	0.915	11/16	7/8	1 1/8	1 9/16	1 15/16
W14 x 61	0.928	11/16	7/8	1 1/8	1 9/16	1 15/16
W14 x 68	1.040	5/8	7/8	1 1/8	1 9/16	1 15/16
W14 x 74	1.120	9/16	7/8	1 1/8	1 9/16	1 15/16
W14 x 82	1.230	9/16	13/16	1 1/16	1 9/16	1 15/16
W14 x 90	1.080	5/8	7/8	1 1/8	1 9/16	1 15/16
W14 x 99	1.180	9/16	13/16	1 1/8	1 9/16	1 15/16
W14 x 109	1.290	9/16	13/16	1 1/16	1 9/16	1 15/16
W14 x 120	1.420	1/2	3/4	1	1 7/16	1 15/16
W14 x 132	1.560	1/2	11/16	15/16	1 3/8	1 13/16
W14 x 145	1.640	7/16	11/16	7/8	1 5/16	1 3/4

Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
W14 x 159	1.780	7/16	5/8	13/16	1 1/4	1 5/8
W14 x 176	1.960	3/8	9/16	3/4	1 1/8	1 1/2
W14 x 193	2.140	3/8	9/16	3/4	1 1/16	1 7/16
W14 x 211	2.320	3/8	1/2	11/16	1	1 3/8
W14 x 233	2.550	5/16	1/2	9/16	7/8	1 1/4
W14 x 257	2.780	5/16	7/16	9/16	7/8	1 3/16
W14 x 283	3.030	5/16	7/16	9/16	13/16	1 1/16
W14 x 311	3.300	1/4	3/8	1/2	3/4	1
W14 x 342	3.580	1/4	3/8	1/2	11/16	15/16
W14 x 370	3.840	1/4	3/8	7/16	11/16	7/8
W14 x 398	4.090	1/4	5/16	7/16	5/8	7/8
W14 x 426	4.320	1/4	5/16	7/16	5/8	13/16
W14 x 455	4.590	1/4	5/16	3/8	9/16	3/4
W14 x 500	4.950	1/4	5/16	3/8	9/16	3/4
W14 x 550	5.340	1/4	1/4	3/8	1/2	11/16
W14 x 605	5.820	1/4	1/4	5/16	1/2	5/8
W14 x 665	6.210	1/4	1/4	5/16	7/16	9/16
W14 x 730	6.760	1/4	1/4	1/4	1/4	1/4
W16 x 26	0.499	15/16	1 3/8	1 1/2	2 1/4	3
W16 x 31	0.592	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W16 x 36	0.617	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W16 x 40	0.686	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W16 x 45	0.767	3/4	1 1/16	1 3/8	2	2 1/2
W16 x 50	0.846	11/16	7/8	1 1/8	1 9/16	1 15/16
W16 x 57	0.963	5/8	7/8	1 1/8	1 9/16	1 15/16
W16 x 67	0.936	11/16	7/8	1 1/8	1 9/16	1 15/16
W16 x 77	1.070	5/8	7/8	1 1/8	1 9/16	1 15/16
W16 x 89	1.220	9/16	13/16	1 1/16	1 9/16	1 15/16
W16 x 100	1.370	1/2	3/4	1	1 1/2	1 15/16
W18 x 35	0.602	13/16	1 1/4	1 1/2	2 1/4	2 15/16
W18 x 40	0.688	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W18 x 46	0.786	3/4	1 1/16	1 3/8	2	2 1/2
W18 x 50	0.778	3/4	1 1/16	1 3/8	2	2 1/2
W18 x 55	0.850	11/16	7/8	1 1/8	1 9/16	1 15/16
W18 x 60	0.923	11/16	7/8	1 1/8	1 9/16	1 15/16
W18 x 65	0.997	5/8	7/8	1 1/8	1 9/16	1 15/16
W18 x 71	1.080	5/8	7/8	1 1/8	1 9/16	1 15/16
W18 x 76	0.971	5/8	7/8	1 1/8	1 9/16	1 15/16
W18 x 86	1.090	5/8	7/8	1 1/8	1 9/16	1 15/16
W18 x 97	1.220	9/16	13/16	1 1/16	1 9/16	1 15/16
W18 x 106	1.330	1/2	3/4	1	1 1/2	1 15/16
W18 x 119	1.480	1/2	3/4	15/16	1 7/16	1 7/8
W21 x 44	0.672	13/16	1 3/16	1 1/2	2 1/4	2 15/16
W21 x 50	0.754	3/4	1 1/8	1 3/8	2	2 1/2
W21 x 57	0.857	11/16	7/8	1 1/8	1 9/16	1 15/16
W21 x 62	0.846	11/16	7/8	1 1/8	1 9/16	1 15/16

Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
W21 x 68	0.926	11/16	7/8	1 1/8	1 9/16	1 15/16
W21 x 73	0.989	5/8	7/8	1 1/8	1 9/16	1 15/16
W21 x 83	1.120	9/16	7/8	1 1/8	1 9/16	1 15/16
W21 x 93	1.240	9/16	13/16	1 1/16	1 9/16	1 15/16
W21 x 101	1.130	9/16	7/8	1 1/8	1 9/16	1 15/16
W21 x 111	1.240	9/16	13/16	1 1/16	1 9/16	1 15/16
W21 x 122	1.350	1/2	3/4	1	1 1/2	1 15/16
W21 x 132	1.450	1/2	3/4	1	1 7/16	1 15/16
W21 x 147	1.610	7/16	11/16	7/8	1 5/16	1 3/4
W24 x 55	0.749	3/4	1 1/8	1 3/8	2	2 1/2
W24 x 62	0.844	11/16	7/8	1 1/8	1 9/16	1 15/16
W24 x 68	0.837	11/16	1 1/16	1 3/8	2	2 1/2
W24 x 76	0.933	11/16	7/8	1 1/8	1 9/16	1 15/16
W24 x 84	1.020	5/8	7/8	1 1/8	1 9/16	1 15/16
W24 x 94	1.140	9/16	7/8	1 1/8	1 9/16	1 15/16
W24 x 104	1.070	5/8	7/8	1 1/8	1 9/16	1 15/16
W24 x 117	1.200	9/16	13/16	1 1/8	1 9/16	1 15/16
W24 x 131	1.330	1/2	3/4	1	1 1/2	1 15/16
W24 x 146	1.480	1/2	3/4	15/16	1 7/16	1 7/8
W24 x 162	1.630	7/16	11/16	7/8	1 5/16	1 3/4
W27 x 84	0.921	11/16	7/8	1 1/8	1 9/16	1 15/16
W27 x 94	1.030	5/8	7/8	1 1/8	1 9/16	1 15/16
W27 x 102	1.110	5/8	7/8	1 1/8	1 9/16	1 15/16
W27 x 114	1.230	9/16	13/16	1 1/16	1 9/16	1 15/16
W27 x 146	1.350	1/2	3/4	1	1 1/2	1 15/16
W27 x 161	1.480	1/2	3/4	15/16	1 7/16	1 7/8
W27 x 178	1.630	7/16	11/16	7/8	1 5/16	1 3/4
W30 x 99	1.000	5/8	7/8	1 1/8	1 9/16	1 15/16
W30 x 108	1.090	5/8	7/8	1 1/8	1 9/16	1 15/16
W30 x 116	1.160	9/16	7/8	1 1/8	1 9/16	1 15/16
W30 x 124	1.240	9/16	13/16	1 1/16	1 9/16	1 15/16
W30 x 132	1.320	9/16	13/16	1 1/16	1 9/16	1 15/16
W30 x 173	1.470	1/2	3/4	15/16	1 7/16	1 7/8
W30 x 191	1.620	7/16	11/16	7/8	1 5/16	1 3/4
W30 x 211	1.760	7/16	5/8	7/8	1 1/4	1 11/16
W33 x 118	1.080	5/8	7/8	1 1/8	1 9/16	1 15/16
W33 x 130	1.180	9/16	13/16	1 1/8	1 9/16	1 15/16
W33 x 141	1.280	9/16	13/16	1 1/16	1 9/16	1 15/16
W33 x 152	1.370	1/2	3/4	1	1 1/2	1 15/16
W33 x 201	1.580	1/2	11/16	15/16	1 3/8	1 13/16
W33 x 221	1.730	7/16	5/8	7/8	1 1/4	1 11/16
W33 x 241	1.870	7/16	5/8	13/16	1 3/16	1 9/16
W36 x 135	1.150	9/16	7/8	1 1/8	1 9/16	1 15/16
W36 x 150	1.270	9/16	13/16	1 1/16	1 9/16	1 15/16
W36 x 160	1.350	1/2	3/4	1	1 1/2	1 15/16
W36 x 170	1.430	1/2	3/4	1	1 7/16	1 15/16

Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
W36 x 182	1.520	1/2	11/16	15/16	1 3/8	1 7/8
W36 x 194	1.620	7/16	11/16	7/8	1 5/16	1 3/4
W36 x 210	1.740	7/16	5/8	7/8	1 1/4	1 11/16
W36 x 230	1.690	7/16	11/16	7/8	1 5/16	1 11/16
W36 x 245	1.790	7/16	5/8	13/16	1 1/4	1 5/8
W36 x 260	1.900	7/16	5/8	13/16	1 3/16	1 9/16
W36 x 280	2.030	3/8	9/16	3/4	1 1/8	1 1/2
W36 x 300	2.170	3/8	9/16	3/4	1 1/16	1 7/16

The information contained in these tables are provided for the convenience of our Monokote customers and while we have taken care to be as accurate as possible and update as listings are modified, GCP will not be held responsible for errors or inaccuracies. In case of discrepancy, values from the applicable design listings and rules associated with adjustment of thickness shall govern.

This table is intended to be used in conjunction with the specified UL Design BXUV.X795. All required components specified in that UL Design shall remain a required component to achieve the hourly ratings. Only the version of UL Design BXUV.X795 as shown on UL.com is considered current.