

**BXUV.X795**  
**Structural Tube & Pipe Columns**  
**GCP APPLIED TECHNOLOGIES INC — Types Z-146, Z-146 NPP, Z-146PC, Z-146T, Z-156, Z-156PC, Z-156T**

Member		1 hr	1.5 hr	2 hr	3 hr	4 hr
Size	A/P					
Other	0.18	1	1 7/16	1 13/16	2 9/16	3 5/16
Other	0.19	1	1 7/16	1 13/16	2 9/16	3 5/16
Other	0.20	15/16	1 7/16	1 13/16	2 9/16	3 5/16
Other	0.21	7/8	1 7/16	1 13/16	2 9/16	3 5/16
Other	0.22	7/8	1 3/8	1 13/16	2 9/16	3 5/16
Other	0.23	13/16	1 5/16	1 13/16	2 9/16	3 5/16
Other	0.24	13/16	1 1/4	1 3/4	2 9/16	3 5/16
Other	0.25	3/4	1 3/16	1 11/16	2 9/16	3 5/16
Other	0.26	3/4	1 3/16	1 5/8	2 7/16	3 5/16
Other	0.27	11/16	1 1/8	1 9/16	2 3/8	3 3/16
Other	0.28	5/8	1 1/16	1 7/16	2 3/16	2 15/16
Other	0.28	5/8	1 1/16	1 7/16	2 3/16	2 15/16
Other	0.29	5/8	1 1/16	1 7/16	2 3/16	2 15/16
Other	0.30	5/8	1	1 3/8	2 1/8	2 7/8
Other	0.31	5/8	1	1 5/16	2 1/16	2 13/16
Other	0.32	5/8	15/16	1 5/16	2	2 11/16
Other	0.33	9/16	7/8	1 1/4	1 7/8	2 9/16
Other	0.34	9/16	7/8	1 1/4	1 7/8	2 9/16
Other	0.35	9/16	7/8	1 3/16	1 13/16	2 1/2
Other	0.36	9/16	7/8	1 3/16	1 13/16	2 7/16
Other	0.37	1/2	13/16	1 1/8	1 3/4	2 3/8
Other	0.38	1/2	13/16	1 1/8	1 11/16	2 5/16
Other	0.39	1/2	13/16	1 1/16	1 5/8	2 1/4
Other	0.40	1/2	3/4	1 1/16	1 5/8	2 3/16
Other	0.41	1/2	3/4	1	1 9/16	2 1/8
Other	0.42	16/37	11/16	15/16	1 7/16	2
Other	0.43	16/37	11/16	15/16	1 7/16	2
Other	0.44	16/37	11/16	15/16	1 7/16	2
Other	0.45	16/37	11/16	15/16	1 7/16	1 15/16
Other	0.46	16/37	11/16	15/16	1 3/8	1 7/8
Other	0.47	16/37	5/8	7/8	1 3/8	1 7/8
Other	0.48	16/37	5/8	7/8	1 3/8	1 13/16
Other	0.49	3/8	5/8	7/8	1 5/16	1 13/16
Other	0.50	3/8	5/8	7/8	1 5/16	1 3/4
Other	0.51	3/8	5/8	13/16	1 1/4	1 11/16
Other	0.52	3/8	5/8	13/16	1 1/4	1 11/16
Other	0.53	3/8	9/16	13/16	1 1/4	1 5/8
Other	0.54	3/8	9/16	13/16	1 3/16	1 5/8
Other	0.55	3/8	9/16	3/4	1 3/16	1 9/16
Other	0.56	3/8	9/16	3/4	1 3/16	1 9/16

Member		1 hr	1.5 hr	2 hr	3 hr	4 hr
Other	0.57	3/8	9/16	3/4	1 1/8	1 9/16
Other	0.58	5/16	9/16	3/4	1 1/8	1 1/2
Other	0.59	5/16	1/2	3/4	1 1/8	1 1/2
Other	0.60	5/16	1/2	11/16	1 1/16	1 7/16
Other	0.51	3/8	5/8	13/16	1 1/4	1 11/16
Other	0.62	5/16	1/2	11/16	1 1/16	1 7/16
Other	0.63	5/16	1/2	11/16	1 1/16	1 3/8
Other	0.64	5/16	1/2	11/16	1	1 3/8
Other	0.65	5/16	1/2	11/16	1	1 3/8
Other	0.66	5/16	1/2	5/8	1	1 5/16
Other	0.67	5/16	1/2	5/8	1	1 5/16
Other	0.68	5/16	7/16	5/8	15/16	1 5/16
Other	0.69	5/16	7/16	5/8	15/16	1 1/4
Other	0.70	1/4	3/8	9/16	7/8	1 3/16
Other	0.71	1/4	3/8	9/16	7/8	1 3/16
Other	0.72	1/4	3/8	9/16	7/8	1 3/16
Other	0.73	1/4	3/8	9/16	7/8	1 3/16
Other	0.74	1/4	3/8	9/16	7/8	1 3/16
Other	0.75	1/4	3/8	9/16	7/8	1 3/16
Other	0.76	1/4	3/8	9/16	7/8	1 3/16
Other	0.77	1/4	3/8	9/16	7/8	1 1/8
Other	0.78	1/4	3/8	9/16	13/16	1 1/8
Other	0.79	1/4	3/8	9/16	13/16	1 1/8
Other	0.80	1/4	3/8	9/16	13/16	1 1/8
Other	0.81	1/4	3/8	9/16	13/16	1 1/16
Other	0.82	1/4	3/8	1/2	13/16	1 1/16
Other	0.83	1/4	3/8	1/2	13/16	1 1/16
Other	0.84	1/4	3/8	1/2	13/16	1 1/16
Other	0.85	1/4	3/8	1/2	3/4	1 1/16
Other	0.86	1/4	3/8	1/2	3/4	1
Other	0.87	1/4	3/8	1/2	3/4	1
Other	0.89	1/4	3/8	1/2	3/4	1
Other	0.90	1/4	3/8	1/2	3/4	1
Other	0.91	1/4	3/8	1/2	3/4	1
Other	0.92	1/4	3/8	1/2	11/16	15/16
Other	0.93	1/4	3/8	7/16	11/16	15/16
Other	0.94	1/4	5/16	7/16	11/16	15/16
Other	0.95	1/4	5/16	7/16	11/16	15/16
Other	0.96	1/4	5/16	7/16	11/16	15/16
Other	0.97	1/4	5/16	7/16	11/16	15/16
Other	0.98	1/4	5/16	7/16	11/16	15/16
Other	0.99	1/4	5/16	7/16	11/16	7/8
Other	1.00	1/4	5/16	7/16	11/16	7/8
Other	1.01	1/4	5/16	7/16	11/16	7/8
Other	1.02	1/4	5/16	7/16	5/8	7/8
Other	1.03	1/4	5/16	7/16	5/8	7/8

Member		1 hr	1.5 hr	2 hr	3 hr	4 hr
Other	1.04	1/4	5/16	7/16	5/8	7/8
Other	1.00	1/4	5/16	7/16	11/16	7/8
Other	1.05	1/4	5/16	7/16	5/8	7/8
Other	1.06	1/4	5/16	7/16	5/8	13/16
Other	1.07	1/4	5/16	7/16	5/8	13/16
Other	1.08	1/4	5/16	7/16	5/8	13/16
Other	1.09	1/4	5/16	3/8	5/8	13/16
Other	1.10	1/4	5/16	3/8	5/8	13/16
Other	1.11	1/4	5/16	3/8	5/8	13/16
Other	1.12	1/4	5/16	3/8	5/8	13/16
Other	1.13	1/4	5/16	3/8	9/16	13/16
Other	1.14	1/4	5/16	3/8	9/16	13/16
Other	1.15	1/4	5/16	3/8	9/16	3/4
Other	1.16	1/4	5/16	3/8	9/16	3/4
Other	1.17	1/4	5/16	3/8	9/16	3/4
Other	1.18	1/4	1/4	3/8	9/16	3/4
Other	1.20	1/4	1/4	3/8	9/16	3/4
Other	1.21	1/4	1/4	3/8	9/16	3/4
Other	1.22	1/4	1/4	3/8	9/16	3/4
Other	1.23	1/4	1/4	3/8	9/16	3/4
Other	1.24	1/4	1/4	3/8	9/16	3/4
Other	1.25	1/4	1/4	3/8	9/16	11/16
Other	1.26	1/4	1/4	3/8	9/16	11/16
Other	1.27	1/4	1/4	3/8	1/2	11/16
Other	1.28	1/4	1/4	3/8	1/2	11/16
Other	1.29	1/4	1/4	3/8	1/2	11/16
Other	1.30	1/4	1/4	3/8	1/2	11/16
Other	1.31	1/4	1/4	5/16	1/2	11/16
Other	1.32	1/4	1/4	5/16	1/2	11/16
Other	1.33	1/4	1/4	5/16	1/2	11/16
Other	1.34	1/4	1/4	5/16	1/2	11/16
Other	1.35	1/4	1/4	5/16	1/2	11/16
Other	1.36	1/4	1/4	5/16	1/2	11/16
Other	1.37	1/4	1/4	5/16	1/2	11/16
Other	1.38	1/4	1/4	5/16	1/2	5/8
Other	1.39	1/4	1/4	5/16	1/2	5/8
Other	1.40	1/4	1/4	5/16	1/2	5/8
Other	1.41	1/4	1/4	5/16	1/2	5/8
Other	1.42	1/4	1/4	5/16	1/2	5/8
Other	1.43	1/4	1/4	5/16	1/2	5/8
Other	1.44	1/4	1/4	5/16	1/2	5/8
Other	1.45	1/4	1/4	5/16	7/16	5/8
Other	1.46	1/4	1/4	5/16	7/16	5/8
Other	1.47	1/4	1/4	5/16	7/16	5/8
Other	1.48	1/4	1/4	5/16	7/16	5/8
Other	1.49	1/4	1/4	5/16	7/16	5/8

Member		1 hr	1.5 hr	2 hr	3 hr	4 hr
Other	1.50	1/4	1/4	5/16	7/16	5/8
Other	1.51	1/4	1/4	5/16	7/16	5/8
Other	1.52	1/4	1/4	5/16	7/16	5/8
Other	1.53	1/4	1/4	5/16	7/16	9/16
Other	1.54	1/4	1/4	5/16	7/16	9/16
Other	1.55	1/4	1/4	5/16	7/16	9/16
Other	1.56	1/4	1/4	5/16	7/16	9/16
Other	1.57	1/4	1/4	5/16	7/16	9/16
Other	1.58	1/4	1/4	5/16	7/16	9/16
Other	1.59	1/4	1/4	5/16	7/16	9/16
Other	1.60	1/4	1/4	5/16	7/16	9/16
Other	1.61	1/4	1/4	5/16	7/16	9/16
Other	1.62	1/4	1/4	5/16	7/16	9/16
Other	1.63	1/4	1/4	1/4	7/16	9/16
Other	1.64	1/4	1/4	1/4	7/16	9/16
Other	1.65	1/4	1/4	1/4	7/16	9/16
Other	1.66	1/4	1/4	1/4	7/16	9/16
Other	1.77	1/4	1/4	1/4	3/8	1/2
Other	1.68	1/4	1/4	1/4	7/16	9/16
Other	1.69	1/4	1/4	1/4	3/8	9/16
Other	1.70	1/4	1/4	1/4	3/8	9/16
Other	1.71	1/4	1/4	1/4	3/8	9/16
Other	1.72	1/4	1/4	1/4	3/8	1/2
Other	1.73	1/4	1/4	1/4	3/8	1/2
Other	1.74	1/4	1/4	1/4	3/8	1/2
Other	1.75	1/4	1/4	1/4	3/8	1/2
Other	1.76	1/4	1/4	1/4	3/8	1/2
Other	1.77	1/4	1/4	1/4	3/8	1/2
Other	1.78	1/4	1/4	1/4	3/8	1/2
Other	1.79	1/4	1/4	1/4	3/8	1/2
Other	1.80	1/4	1/4	1/4	3/8	1/2
Other	1.81	1/4	1/4	1/4	3/8	1/2
Other	1.82	1/4	1/4	1/4	3/8	1/2
Other	1.83	1/4	1/4	1/4	3/8	1/2
Other	1.84	1/4	1/4	1/4	3/8	1/2
Other	1.85	1/4	1/4	1/4	3/8	1/2
Other	1.86	1/4	1/4	1/4	3/8	1/2
Other	1.87	1/4	1/4	1/4	3/8	1/2
Other	1.88	1/4	1/4	1/4	3/8	1/2
Other	1.89	1/4	1/4	1/4	3/8	1/2
Other	1.90	1/4	1/4	1/4	3/8	1/2
Other	1.91	1/4	1/4	1/4	3/8	1/2
Other	1.92	1/4	1/4	1/4	3/8	1/2
Other	1.93	1/4	1/4	1/4	3/8	1/2
Other	1.94	1/4	1/4	1/4	3/8	1/2
Other	1.95	1/4	1/4	1/4	3/8	1/2

Member		1 hr	1.5 hr	2 hr	3 hr	4 hr
Other	1.96	1/4	1/4	1/4	3/8	1/2
Other	1.97	1/4	1/4	1/4	3/8	7/16
Other	1.98	1/4	1/4	1/4	3/8	7/16
Other	1.99	1/4	1/4	1/4	3/8	7/16
Other	2.00	1/4	1/4	1/4	3/8	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.