

BXUV.N706

**Beam for Protected Floor/Ceiling, Fluted/Cellular Decking
Restrained Beam Thicknesses (Normal Weight Concrete)**

GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG

FULL FLANGE TIP THICKNESS					Member Size x Wt. W/D	HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr		1 hr	1.5 hr	2 hr	3 hr	4 hr
9/16	3/4	7/8	1 3/16	1 9/16	W4 x 13 0.670	11/16	7/8	1	1 3/8	1 3/4
9/16	3/4	7/8	1 3/16	1 9/16	W5 x 16 0.664	11/16	7/8	1	1 3/8	1 3/4
9/16	11/16	13/16	1 1/8	1 7/16	W5 x 19 0.776	5/8	13/16	15/16	1 1/4	1 5/8
3/4	15/16	1 1/8	1 1/2	2	W6 x 9 0.398	13/16	1 1/8	1 1/4	1 3/4	2 1/4
11/16	13/16	1	1 5/16	1 3/4	W6 x 12 0.526	3/4	1	1 1/8	1 9/16	2
11/16	13/16	1	1 5/16	1 3/4	W6 x 15 0.521	3/4	1	1 1/8	1 9/16	2
9/16	3/4	7/8	1 3/16	1 9/16	W6 x 16 0.684	5/8	7/8	1	1 3/8	1 3/4
9/16	3/4	7/8	1 3/16	1 9/16	W6 x 20 0.678	5/8	7/8	1	1 3/8	1 3/4
1/2	5/8	3/4	1 1/16	1 3/8	W6 x 25 0.839	9/16	3/4	7/8	1 1/4	1 9/16
3/4	15/16	1 1/8	1 9/16	2 1/16	W8 x 10 0.375	7/8	1 1/8	1 5/16	1 13/16	2 5/16
11/16	7/8	1	1 3/8	1 13/16	W8 x 13 0.483	3/4	1	1 3/16	1 5/8	2 1/16
5/8	13/16	15/16	1 5/16	1 3/4	W8 x 15 0.551	3/4	15/16	1 1/8	1 1/2	1 15/16
5/8	3/4	15/16	1 1/4	1 11/16	W8 x 18 0.583	11/16	15/16	1 1/16	1 1/2	1 7/8
9/16	3/4	7/8	1 3/16	1 9/16	W8 x 21 0.675	11/16	7/8	1	1 3/8	1 3/4
9/16	11/16	7/8	1 1/8	1 1/2	W8 x 24 0.704	5/8	7/8	1	1 5/16	1 11/16
1/2	5/8	3/4	1 1/16	1 7/16	W8 x 28 0.819	9/16	3/4	7/8	1 1/4	1 9/16
9/16	11/16	13/16	1 1/16	1 7/16	W8 x 31 0.803	5/8	13/16	15/16	1 1/4	1 5/8
1/2	5/8	3/4	1	1 5/16	W8 x 35 0.907	9/16	3/4	7/8	1 3/16	1 1/2
7/16	9/16	11/16	15/16	1 1/4	W8 x 40 1.030	1/2	11/16	13/16	1 1/16	1 3/8
7/16	1/2	5/8	13/16	1 1/8	W8 x 48 1.210	1/2	5/8	11/16	1	1 1/4
3/8	7/16	9/16	3/4	1	W8 x 58 1.440	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	7/8	W8 x 67 1.650	3/8	1/2	9/16	13/16	1
3/4	15/16	1 1/8	1 1/2	2	W10 x 12 0.392	13/16	1 1/8	1 5/16	1 3/4	2 1/4
11/16	7/8	1	1 3/8	1 13/16	W10 x 15 0.484	3/4	1	1 3/16	1 5/8	2 1/16
5/8	13/16	15/16	1 5/16	1 3/4	W10 x 17 0.543	3/4	15/16	1 1/8	1 1/2	1 15/16
5/8	3/4	15/16	1 1/4	1 5/8	W10 x 19 0.607	11/16	15/16	1 1/16	1 7/16	1 7/8
5/8	3/4	15/16	1 1/4	1 5/8	W10 x 22 0.606	11/16	15/16	1 1/16	1 7/16	1 7/8
9/16	11/16	7/8	1 1/8	1 1/2	W10 x 26 0.708	5/8	7/8	1	1 5/16	1 11/16
9/16	11/16	13/16	1 1/16	1 7/16	W10 x 30 0.809	5/8	13/16	15/16	1 1/4	1 9/16
9/16	11/16	13/16	1 1/16	1 7/16	W10 x 33 0.786	5/8	13/16	15/16	1 1/4	1 5/8
1/2	5/8	3/4	1	1 5/16	W10 x 39 0.929	9/16	3/4	13/16	1 1/8	1 1/2
7/16	9/16	11/16	15/16	1 3/16	W10 x 45 1.060	1/2	11/16	3/4	1 1/16	1 3/8
1/2	9/16	11/16	15/16	1 1/4	W10 x 49 1.010	1/2	11/16	13/16	1 1/8	1 3/8
7/16	9/16	5/8	7/8	1 3/16	W10 x 54 1.110	1/2	5/8	3/4	1 1/16	1 5/16
7/16	1/2	5/8	13/16	1 1/8	W10 x 60 1.220	1/2	5/8	11/16	1	1 1/4
3/8	1/2	9/16	3/4	1	W10 x 68 1.380	7/16	9/16	11/16	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W10 x 77 1.540	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W10 x 88 1.740	3/8	1/2	9/16	3/4	1
3/8	3/8	7/16	5/8	13/16	W10 x 100 1.970	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	9/16	3/4	W10 x 112 2.170	3/8	7/16	1/2	5/8	13/16
3/4	15/16	1 1/16	1 1/2	2	W12 x 14 0.405	13/16	1 1/16	1 1/4	1 3/4	2 1/4
11/16	7/8	1 1/16	1 7/16	1 7/8	W12 x 16 0.457	13/16	1 1/16	1 3/16	1 5/8	2 1/8
5/8	13/16	15/16	1 5/16	1 3/4	W12 x 19 0.540	3/4	15/16	1 1/8	1 9/16	1 15/16
5/8	3/4	7/8	1 1/4	1 5/8	W12 x 22 0.623	11/16	7/8	1 1/16	1 7/16	1 13/16
5/8	3/4	15/16	1 1/4	1 5/8	W12 x 26 0.612	11/16	15/16	1 1/16	1 7/16	1 7/8
9/16	11/16	7/8	1 3/16	1 9/16	W12 x 30 0.699	5/8	7/8	1	1 3/8	1 3/4
9/16	11/16	13/16	1 1/16	1 7/16	W12 x 35 0.810	5/8	13/16	15/16	1 1/4	1 9/16
1/2	5/8	3/4	1 1/16	1 3/8	W12 x 40 0.860	9/16	3/4	7/8	1 3/16	1 9/16
1/2	5/8	11/16	15/16	1 1/4	W12 x 45 0.974	9/16	11/16	13/16	1 1/8	1 7/16
7/16	9/16	11/16	15/16	1 3/16	W12 x 50 1.060	1/2	11/16	3/4	1 1/16	1 3/8

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FULL FLANGE TIP THICKNESS					Member		HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
1/2	9/16	11/16	15/16	1 1/4	W12 x 53	1.020	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	11/16	7/8	1 3/16	W12 x 58	1.100	1/2	11/16	3/4	1 1/16	1 5/16
7/16	9/16	5/8	7/8	1 3/16	W12 x 65	1.110	1/2	5/8	3/4	1 1/16	1 5/16
7/16	1/2	5/8	13/16	1 1/8	W12 x 72	1.230	7/16	5/8	11/16	15/16	1 1/4
3/8	1/2	9/16	13/16	1 1/16	W12 x 79	1.340	7/16	9/16	11/16	15/16	1 3/16
3/8	7/16	9/16	3/4	1	W12 x 87	1.470	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W12 x 96	1.610	3/8	1/2	9/16	13/16	1
3/8	3/8	1/2	5/8	7/8	W12 x 106	1.770	3/8	1/2	9/16	3/4	15/16
3/8	3/8	7/16	5/8	13/16	W12 x 120	1.990	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	9/16	3/4	W12 x 136	2.230	3/8	7/16	1/2	5/8	13/16
3/8	3/8	3/8	1/2	11/16	W12 x 152	2.450	3/8	3/8	7/16	9/16	3/4
3/8	3/8	3/8	1/2	5/8	W12 x 170	2.720	3/8	3/8	3/8	9/16	11/16
3/8	3/8	3/8	7/16	9/16	W12 x 190	3.000	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	7/16	9/16	W12 x 210	3.270	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	3/8	1/2	W12 x 230	3.550	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	W12 x 252	3.840	3/8	3/8	3/8	7/16	1/2
3/8	3/8	3/8	3/8	7/16	W12 x 279	4.190	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	W12 x 305	4.490	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	W12 x 336	4.850	3/8	3/8	3/8	3/8	7/16
11/16	13/16	1	1 5/16	1 3/4	W14 x 22	0.534	3/4	1	1 1/8	1 9/16	2
5/8	3/4	7/8	1 1/4	1 5/8	W14 x 26	0.628	11/16	7/8	1 1/16	1 7/16	1 13/16
5/8	3/4	7/8	1 3/16	1 5/8	W14 x 30	0.644	11/16	7/8	1	1 7/16	1 13/16
9/16	11/16	13/16	1 1/8	1 1/2	W14 x 34	0.725	5/8	13/16	15/16	1 5/16	1 11/16
9/16	11/16	13/16	1 1/16	1 7/16	W14 x 38	0.809	5/8	13/16	15/16	1 1/4	1 9/16
1/2	5/8	3/4	1	1 3/8	W14 x 43	0.874	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	11/16	15/16	1 1/4	W14 x 48	0.970	9/16	11/16	13/16	1 1/8	1 7/16
7/16	9/16	11/16	15/16	1 3/16	W14 x 53	1.060	1/2	11/16	3/4	1 1/16	1 3/8
7/16	9/16	11/16	7/8	1 3/16	W14 x 61	1.100	1/2	11/16	3/4	1 1/16	1 5/16
7/16	1/2	5/8	13/16	1 1/8	W14 x 68	1.220	1/2	5/8	11/16	1	1 1/4
3/8	1/2	9/16	13/16	1 1/16	W14 x 74	1.320	7/16	9/16	11/16	15/16	1 3/16
3/8	7/16	9/16	3/4	1	W14 x 82	1.450	7/16	9/16	5/8	7/8	1 1/8
3/8	1/2	9/16	13/16	1 1/16	W14 x 90	1.310	7/16	9/16	11/16	15/16	1 3/16
3/8	7/16	9/16	3/4	1	W14 x 99	1.430	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W14 x 109	1.570	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W14 x 120	1.710	3/8	1/2	9/16	3/4	1
3/8	3/8	7/16	5/8	13/16	W14 x 132	1.890	3/8	7/16	1/2	11/16	15/16
3/8	3/8	7/16	5/8	13/16	W14 x 145	1.990	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	9/16	3/4	W14 x 159	2.160	3/8	7/16	1/2	5/8	13/16
3/8	3/8	3/8	1/2	11/16	W14 x 176	2.380	3/8	3/8	7/16	5/8	3/4
3/8	3/8	3/8	1/2	5/8	W14 x 193	2.600	3/8	3/8	7/16	9/16	3/4
3/8	3/8	3/8	7/16	5/8	W14 x 211	2.810	3/8	3/8	3/8	9/16	11/16
3/8	3/8	3/8	7/16	9/16	W14 x 233	3.080	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	3/8	1/2	W14 x 257	3.360	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	W14 x 283	3.660	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	7/16	W14 x 311	3.980	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	W14 x 342	4.320	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	3/8	W14 x 370	4.630	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	W14 x 398	4.930	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	W14 x 426	5.210	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	W14 x 455	5.530	3/8	3/8	3/8	3/8	3/8

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FULL FLANGE TIP THICKNESS					Member		HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
3/8	3/8	3/8	3/8	3/8	W14 x 500	5.950	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	W14 x 550	6.430	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	W14 x 605	6.960	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	W14 x 665	7.490	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	W14 x 730	8.080	3/8	3/8	3/8	3/8	3/8
5/8	13/16	15/16	1 5/16	1 3/4	W16 x 26	0.558	3/4	15/16	1 1/8	1 1/2	1 15/16
5/8	3/4	7/8	1 3/16	1 9/16	W16 x 31	0.661	11/16	7/8	1	1 3/8	1 3/4
9/16	11/16	7/8	1 3/16	1 9/16	W16 x 36	0.702	5/8	7/8	1	1 3/8	1 3/4
9/16	11/16	13/16	1 1/8	1 7/16	W16 x 40	0.780	5/8	13/16	15/16	1 1/4	1 5/8
1/2	5/8	3/4	1	1 3/8	W16 x 45	0.870	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	11/16	1	1 5/16	W16 x 50	0.962	9/16	11/16	13/16	1 1/8	1 7/16
7/16	9/16	11/16	7/8	1 3/16	W16 x 57	1.090	1/2	11/16	3/4	1 1/16	1 5/16
7/16	9/16	11/16	7/8	1 3/16	W16 x 67	1.090	1/2	11/16	3/4	1 1/16	1 5/16
7/16	1/2	5/8	13/16	1 1/16	W16 x 77	1.250	7/16	5/8	11/16	15/16	1 1/4
3/8	7/16	9/16	3/4	1	W16 x 89	1.430	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W16 x 100	1.590	3/8	1/2	5/8	13/16	1 1/16
9/16	3/4	7/8	1 3/16	1 9/16	W18 x 35	0.672	11/16	7/8	1	1 3/8	1 3/4
9/16	11/16	13/16	1 1/8	1 7/16	W18 x 40	0.768	5/8	13/16	15/16	1 5/16	1 5/8
1/2	5/8	3/4	1	1 3/8	W18 x 46	0.876	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 3/8	W18 x 50	0.880	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	11/16	1	1 5/16	W18 x 55	0.963	9/16	11/16	13/16	1 1/8	1 7/16
7/16	9/16	11/16	15/16	1 1/4	W18 x 60	1.040	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	5/8	7/8	1 3/16	W18 x 65	1.130	1/2	5/8	3/4	1	1 5/16
7/16	1/2	5/8	13/16	1 1/8	W18 x 71	1.220	1/2	5/8	11/16	1	1 1/4
7/16	9/16	5/8	7/8	1 3/16	W18 x 76	1.130	1/2	5/8	3/4	1	1 5/16
7/16	1/2	5/8	13/16	1 1/16	W18 x 86	1.270	7/16	5/8	11/16	15/16	1 3/16
3/8	1/2	9/16	3/4	1	W18 x 97	1.420	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W18 x 106	1.550	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W18 x 119	1.720	3/8	1/2	9/16	3/4	1
9/16	11/16	13/16	1 1/8	1 1/2	W21 x 44	0.746	5/8	13/16	15/16	1 5/16	1 11/16
1/2	5/8	3/4	1 1/16	1 3/8	W21 x 50	0.838	9/16	3/4	7/8	1 1/4	1 9/16
1/2	5/8	11/16	1	1 5/16	W21 x 57	0.952	9/16	11/16	13/16	1 1/8	1 7/16
1/2	5/8	11/16	1	1 5/16	W21 x 62	0.952	9/16	11/16	13/16	1 1/8	1 7/16
7/16	9/16	11/16	15/16	1 1/4	W21 x 68	1.040	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	5/8	7/8	1 3/16	W21 x 73	1.110	1/2	5/8	3/4	1 1/16	1 5/16
7/16	1/2	5/8	13/16	1 1/16	W21 x 83	1.260	7/16	5/8	11/16	15/16	1 3/16
3/8	1/2	9/16	3/4	1	W21 x 93	1.400	7/16	9/16	5/8	7/8	1 1/8
3/8	1/2	9/16	13/16	1 1/16	W21 x 101	1.300	7/16	9/16	11/16	15/16	1 3/16
3/8	7/16	9/16	3/4	1	W21 x 111	1.430	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W21 x 122	1.570	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W21 x 132	1.680	3/8	1/2	9/16	13/16	1
3/8	3/8	7/16	5/8	13/16	W21 x 147	1.870	3/8	7/16	9/16	3/4	15/16
1/2	5/8	3/4	1 1/16	1 3/8	W24 x 55	0.828	9/16	3/4	7/8	1 1/4	1 9/16
1/2	5/8	3/4	1	1 5/16	W24 x 62	0.934	9/16	3/4	13/16	1 1/8	1 7/16
1/2	5/8	3/4	1	1 5/16	W24 x 68	0.942	9/16	3/4	13/16	1 1/8	1 7/16
7/16	9/16	11/16	15/16	1 3/16	W24 x 76	1.050	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	5/8	7/8	1 1/8	W24 x 84	1.150	1/2	5/8	3/4	1	1 5/16
7/16	1/2	5/8	13/16	1 1/16	W24 x 94	1.280	7/16	5/8	11/16	15/16	1 3/16
7/16	1/2	5/8	13/16	1 1/8	W24 x 104	1.240	7/16	5/8	11/16	15/16	1 1/4
3/8	1/2	9/16	3/4	1	W24 x 117	1.380	7/16	9/16	11/16	7/8	1 1/8

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Restrained Beam Thicknesses (Normal Weight Concrete)**

GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG

FULL FLANGE TIP THICKNESS					Member		HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Size x Wt.	W/D	1 hr	1.5 hr	2 hr	3 hr	4 hr
3/8	7/16	1/2	11/16	15/16	W24 x 131	1.540	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W24 x 146	1.700	3/8	1/2	9/16	3/4	1
3/8	3/8	7/16	5/8	13/16	W24 x 162	1.880	3/8	7/16	9/16	3/4	15/16
7/16	9/16	11/16	15/16	1 1/4	W27 x 84	1.030	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	5/8	7/8	1 1/8	W27 x 94	1.150	1/2	5/8	3/4	1	1 5/16
7/16	1/2	5/8	13/16	1 1/8	W27 x 102	1.240	7/16	5/8	11/16	15/16	1 1/4
3/8	1/2	9/16	3/4	1	W27 x 114	1.390	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	15/16	W27 x 129	1.560	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	W27 x 146	1.550	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W27 x 161	1.700	3/8	1/2	9/16	3/4	1
3/8	3/8	7/16	5/8	13/16	W27 x 178	1.870	3/8	7/16	9/16	3/4	15/16
1/2	9/16	11/16	15/16	1 1/4	W30 x 90	1.020	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	5/8	7/8	1 3/16	W30 x 99	1.120	1/2	5/8	3/4	1	1 5/16
7/16	1/2	5/8	13/16	1 1/8	W30 x 108	1.210	1/2	5/8	11/16	1	1 1/4
3/8	1/2	9/16	13/16	1 1/16	W30 x 116	1.300	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	3/4	1	W30 x 124	1.390	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	1	W30 x 132	1.470	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	11/16	7/8	W30 x 173	1.660	3/8	1/2	9/16	13/16	1
3/8	3/8	7/16	5/8	13/16	W30 x 191	1.850	3/8	7/16	9/16	3/4	15/16
3/8	3/8	7/16	9/16	3/4	W30 x 211	2.010	3/8	7/16	1/2	11/16	7/8
7/16	1/2	5/8	13/16	1 1/8	W33 x 118	1.210	1/2	5/8	11/16	1	1 1/4
3/8	1/2	9/16	13/16	1 1/16	W33 x 130	1.320	7/16	9/16	11/16	15/16	1 3/16
3/8	7/16	9/16	3/4	1	W33 x 141	1.430	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	1/2	3/4	15/16	W33 x 152	1.530	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W33 x 169	1.700	3/8	1/2	9/16	3/4	1
3/8	3/8	1/2	5/8	7/8	W33 x 201	1.790	3/8	1/2	9/16	3/4	15/16
3/8	3/8	7/16	5/8	13/16	W33 x 221	1.970	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	9/16	3/4	W33 x 241	2.130	3/8	7/16	1/2	11/16	13/16
7/16	1/2	5/8	13/16	1 1/16	W36 x 135	1.290	7/16	5/8	11/16	15/16	1 3/16
3/8	7/16	9/16	3/4	1	W36 x 150	1.430	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	15/16	W36 x 160	1.510	7/16	9/16	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	W36 x 170	1.600	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	7/8	W36 x 182	1.720	3/8	1/2	9/16	3/4	1
3/8	3/8	1/2	5/8	13/16	W36 x 194	1.810	3/8	1/2	9/16	3/4	15/16
3/8	3/8	7/16	5/8	13/16	W36 x 210	1.960	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	5/8	13/16	W36 x 230	1.950	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	9/16	3/4	W36 x 245	2.080	3/8	7/16	1/2	11/16	7/8
3/8	3/8	3/8	1/2	11/16	W36 x 256	2.370	3/8	3/8	7/16	5/8	3/4
3/8	3/8	7/16	9/16	3/4	W36 x 260	2.180	3/8	7/16	1/2	5/8	13/16
3/8	3/8	3/8	1/2	11/16	W36 x 280	2.350	3/8	3/8	7/16	5/8	3/4
3/8	3/8	3/8	1/2	11/16	W36 x 300	2.500	3/8	3/8	7/16	9/16	3/4
3/4	15/16	1 1/8	1 9/16	2 1/16	Other	0.37	7/8	1 1/8	1 5/16	1 13/16	2 5/16
3/4	15/16	1 1/8	1 1/2	2	Other	0.38	7/8	1 1/8	1 5/16	1 3/4	2 1/4
3/4	15/16	1 1/8	1 1/2	2	Other	0.39	13/16	1 1/8	1 5/16	1 3/4	2 1/4
3/4	15/16	1 1/8	1 1/2	2	Other	0.40	13/16	1 1/8	1 1/4	1 3/4	2 1/4
3/4	15/16	1 1/16	1 1/2	1 15/16	Other	0.41	13/16	1 1/16	1 1/4	1 3/4	2 3/16
3/4	7/8	1 1/16	1 1/2	1 15/16	Other	0.42	13/16	1 1/16	1 1/4	1 11/16	2 3/16
3/4	7/8	1 1/16	1 7/16	1 15/16	Other	0.43	13/16	1 1/16	1 1/4	1 11/16	2 3/16
11/16	7/8	1 1/16	1 7/16	1 15/16	Other	0.44	13/16	1 1/16	1 1/4	1 11/16	2 1/8
11/16	7/8	1 1/16	1 7/16	1 7/8	Other	0.45	13/16	1 1/16	1 3/16	1 11/16	2 1/8

BXUV.N706

**Beam for Protected Floor/Ceiling, Fluted/Cellular Decking
Restrained Beam Thicknesses (Normal Weight Concrete)**

GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG

FULL FLANGE TIP THICKNESS					Member Size x Wt. W/D	HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr		1 hr	1.5 hr	2 hr	3 hr	4 hr
11/16	7/8	1 1/16	1 7/16	1 7/8	Other 0.46	13/16	1 1/16	1 3/16	1 5/8	2 1/8
11/16	7/8	1	1 3/8	1 7/8	Other 0.47	3/4	1	1 3/16	1 5/8	2 1/16
11/16	7/8	1	1 3/8	1 13/16	Other 0.48	3/4	1	1 3/16	1 5/8	2 1/16
11/16	7/8	1	1 3/8	1 13/16	Other 0.49	3/4	1	1 3/16	1 5/8	2 1/16
11/16	13/16	1	1 3/8	1 13/16	Other 0.50	3/4	1	1 3/16	1 9/16	2 1/16
11/16	13/16	1	1 3/8	1 13/16	Other 0.51	3/4	1	1 1/8	1 9/16	2
11/16	13/16	1	1 5/16	1 3/4	Other 0.52	3/4	1	1 1/8	1 9/16	2
11/16	13/16	1	1 5/16	1 3/4	Other 0.53	3/4	1	1 1/8	1 9/16	2
5/8	13/16	15/16	1 5/16	1 3/4	Other 0.54	3/4	15/16	1 1/8	1 9/16	1 15/16
5/8	13/16	15/16	1 5/16	1 3/4	Other 0.55	3/4	15/16	1 1/8	1 1/2	1 15/16
5/8	13/16	15/16	1 5/16	1 11/16	Other 0.56	3/4	15/16	1 1/8	1 1/2	1 15/16
5/8	13/16	15/16	1 5/16	1 11/16	Other 0.57	11/16	15/16	1 1/16	1 1/2	1 15/16
5/8	13/16	15/16	1 1/4	1 11/16	Other 0.58	11/16	15/16	1 1/16	1 1/2	1 7/8
5/8	3/4	15/16	1 1/4	1 11/16	Other 0.59	11/16	15/16	1 1/16	1 1/2	1 7/8
5/8	3/4	15/16	1 1/4	1 11/16	Other 0.60	11/16	15/16	1 1/16	1 7/16	1 7/8
5/8	3/4	15/16	1 1/4	1 5/8	Other 0.61	11/16	15/16	1 1/16	1 7/16	1 7/8
5/8	3/4	7/8	1 1/4	1 5/8	Other 0.62	11/16	7/8	1 1/16	1 7/16	1 13/16
5/8	3/4	7/8	1 1/4	1 5/8	Other 0.63	11/16	7/8	1 1/16	1 7/16	1 13/16
5/8	3/4	7/8	1 3/16	1 5/8	Other 0.64	11/16	7/8	1 1/16	1 7/16	1 13/16
5/8	3/4	7/8	1 3/16	1 5/8	Other 0.65	11/16	7/8	1	1 3/8	1 13/16
5/8	3/4	7/8	1 3/16	1 9/16	Other 0.66	11/16	7/8	1	1 3/8	1 3/4
9/16	3/4	7/8	1 3/16	1 9/16	Other 0.67	11/16	7/8	1	1 3/8	1 3/4
9/16	3/4	7/8	1 3/16	1 9/16	Other 0.68	5/8	7/8	1	1 3/8	1 3/4
9/16	11/16	7/8	1 3/16	1 9/16	Other 0.69	5/8	7/8	1	1 3/8	1 3/4
9/16	11/16	7/8	1 3/16	1 9/16	Other 0.70	5/8	7/8	1	1 3/8	1 3/4
9/16	11/16	13/16	1 1/8	1 1/2	Other 0.71	5/8	13/16	1	1 5/16	1 11/16
9/16	11/16	13/16	1 1/8	1 1/2	Other 0.72	5/8	13/16	1	1 5/16	1 11/16
9/16	11/16	13/16	1 1/8	1 1/2	Other 0.73	5/8	13/16	15/16	1 5/16	1 11/16
9/16	11/16	13/16	1 1/8	1 1/2	Other 0.74	5/8	13/16	15/16	1 5/16	1 11/16
9/16	11/16	13/16	1 1/8	1 1/2	Other 0.75	5/8	13/16	15/16	1 5/16	1 11/16
9/16	11/16	13/16	1 1/8	1 1/2	Other 0.76	5/8	13/16	15/16	1 5/16	1 5/8
9/16	11/16	13/16	1 1/8	1 7/16	Other 0.77	5/8	13/16	15/16	1 1/4	1 5/8
9/16	11/16	13/16	1 1/8	1 7/16	Other 0.78	5/8	13/16	15/16	1 1/4	1 5/8
9/16	11/16	13/16	1 1/16	1 7/16	Other 0.79	5/8	13/16	15/16	1 1/4	1 5/8
9/16	11/16	13/16	1 1/16	1 7/16	Other 0.80	5/8	13/16	15/16	1 1/4	1 5/8
9/16	11/16	13/16	1 1/16	1 7/16	Other 0.81	5/8	13/16	15/16	1 1/4	1 9/16
1/2	5/8	3/4	1 1/16	1 7/16	Other 0.82	9/16	3/4	7/8	1 1/4	1 9/16
1/2	5/8	3/4	1 1/16	1 3/8	Other 0.83	9/16	3/4	7/8	1 1/4	1 9/16
1/2	5/8	3/4	1 1/16	1 3/8	Other 0.84	9/16	3/4	7/8	1 1/4	1 9/16
1/2	5/8	3/4	1 1/16	1 3/8	Other 0.85	9/16	3/4	7/8	1 3/16	1 9/16
1/2	5/8	3/4	1 1/16	1 3/8	Other 0.86	9/16	3/4	7/8	1 3/16	1 9/16
1/2	5/8	3/4	1	1 3/8	Other 0.87	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 3/8	Other 0.88	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 3/8	Other 0.89	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 5/16	Other 0.90	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 5/16	Other 0.91	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 5/16	Other 0.92	9/16	3/4	7/8	1 3/16	1 1/2
1/2	5/8	3/4	1	1 5/16	Other 0.93	9/16	3/4	13/16	1 1/8	1 1/2
1/2	5/8	3/4	1	1 5/16	Other 0.94	9/16	3/4	13/16	1 1/8	1 7/16
1/2	5/8	11/16	1	1 5/16	Other 0.95	9/16	11/16	13/16	1 1/8	1 7/16

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Restrained Beam Thicknesses (Normal Weight Concrete)**

GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG

FULL FLANGE TIP THICKNESS					Member Size x Wt. W/D	HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr		1 hr	1.5 hr	2 hr	3 hr	4 hr
1/2	5/8	11/16	1	1 5/16	Other 0.96	9/16	11/16	13/16	1 1/8	1 7/16
1/2	5/8	11/16	15/16	1 1/4	Other 0.97	9/16	11/16	13/16	1 1/8	1 7/16
1/2	9/16	11/16	15/16	1 1/4	Other 0.98	9/16	11/16	13/16	1 1/8	1 7/16
1/2	9/16	11/16	15/16	1 1/4	Other 0.99	9/16	11/16	13/16	1 1/8	1 7/16
1/2	9/16	11/16	15/16	1 1/4	Other 1.00	1/2	11/16	13/16	1 1/8	1 7/16
1/2	9/16	11/16	15/16	1 1/4	Other 1.01	1/2	11/16	13/16	1 1/8	1 3/8
1/2	9/16	11/16	15/16	1 1/4	Other 1.02	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	11/16	15/16	1 1/4	Other 1.03	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	11/16	15/16	1 1/4	Other 1.04	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	11/16	15/16	1 3/16	Other 1.05	1/2	11/16	13/16	1 1/16	1 3/8
7/16	9/16	11/16	15/16	1 3/16	Other 1.06	1/2	11/16	3/4	1 1/16	1 3/8
7/16	9/16	11/16	15/16	1 3/16	Other 1.07	1/2	11/16	3/4	1 1/16	1 3/8
7/16	9/16	11/16	7/8	1 3/16	Other 1.08	1/2	11/16	3/4	1 1/16	1 5/16
7/16	9/16	11/16	7/8	1 3/16	Other 1.09	1/2	11/16	3/4	1 1/16	1 5/16
7/16	9/16	11/16	7/8	1 3/16	Other 1.10	1/2	11/16	3/4	1 1/16	1 5/16
7/16	9/16	5/8	7/8	1 3/16	Other 1.11	1/2	5/8	3/4	1 1/16	1 5/16
7/16	9/16	5/8	7/8	1 3/16	Other 1.12	1/2	5/8	3/4	1	1 5/16
7/16	9/16	5/8	7/8	1 3/16	Other 1.13	1/2	5/8	3/4	1	1 5/16
7/16	9/16	5/8	7/8	1 1/8	Other 1.14	1/2	5/8	3/4	1	1 5/16
7/16	9/16	5/8	7/8	1 1/8	Other 1.15	1/2	5/8	3/4	1	1 5/16
7/16	9/16	5/8	7/8	1 1/8	Other 1.16	1/2	5/8	3/4	1	1 5/16
7/16	9/16	5/8	7/8	1 1/8	Other 1.17	1/2	5/8	3/4	1	1 1/4
7/16	1/2	5/8	7/8	1 1/8	Other 1.18	1/2	5/8	3/4	1	1 1/4
7/16	1/2	5/8	7/8	1 1/8	Other 1.19	1/2	5/8	3/4	1	1 1/4
7/16	1/2	5/8	7/8	1 1/8	Other 1.20	1/2	5/8	3/4	1	1 1/4
7/16	1/2	5/8	13/16	1 1/8	Other 1.21	1/2	5/8	11/16	1	1 1/4
7/16	1/2	5/8	13/16	1 1/8	Other 1.22	1/2	5/8	11/16	1	1 1/4
7/16	1/2	5/8	13/16	1 1/8	Other 1.23	7/16	5/8	11/16	15/16	1 1/4
7/16	1/2	5/8	13/16	1 1/8	Other 1.24	7/16	5/8	11/16	15/16	1 1/4
7/16	1/2	5/8	13/16	1 1/16	Other 1.25	7/16	5/8	11/16	15/16	1 1/4
7/16	1/2	5/8	13/16	1 1/16	Other 1.26	7/16	5/8	11/16	15/16	1 3/16
7/16	1/2	5/8	13/16	1 1/16	Other 1.27	7/16	5/8	11/16	15/16	1 3/16
7/16	1/2	5/8	13/16	1 1/16	Other 1.28	7/16	5/8	11/16	15/16	1 3/16
7/16	1/2	5/8	13/16	1 1/16	Other 1.29	7/16	5/8	11/16	15/16	1 3/16
3/8	1/2	9/16	13/16	1 1/16	Other 1.30	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	13/16	1 1/16	Other 1.31	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	13/16	1 1/16	Other 1.32	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	13/16	1 1/16	Other 1.33	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	13/16	1 1/16	Other 1.34	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	13/16	1 1/16	Other 1.35	7/16	9/16	11/16	15/16	1 3/16
3/8	1/2	9/16	3/4	1	Other 1.36	7/16	9/16	11/16	7/8	1 1/8
3/8	1/2	9/16	3/4	1	Other 1.37	7/16	9/16	11/16	7/8	1 1/8
3/8	1/2	9/16	3/4	1	Other 1.38	7/16	9/16	11/16	7/8	1 1/8
3/8	1/2	9/16	3/4	1	Other 1.39	7/16	9/16	5/8	7/8	1 1/8
3/8	1/2	9/16	3/4	1	Other 1.40	7/16	9/16	5/8	7/8	1 1/8
3/8	1/2	9/16	3/4	1	Other 1.41	7/16	9/16	5/8	7/8	1 1/8
3/8	1/2	9/16	3/4	1	Other 1.42	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	1	Other 1.43	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	1	Other 1.44	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	1	Other 1.45	7/16	9/16	5/8	7/8	1 1/8

BXUV.N706

**Beam for Protected Floor/Ceiling, Fluted/Cellular Decking
Restrained Beam Thicknesses (Normal Weight Concrete)**

GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG

FULL FLANGE TIP THICKNESS					Member Size x Wt. W/D	HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr		1 hr	1.5 hr	2 hr	3 hr	4 hr
3/8	7/16	9/16	3/4	1	Other 1.46	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	1	Other 1.47	7/16	9/16	5/8	7/8	1 1/8
3/8	7/16	9/16	3/4	1	Other 1.48	7/16	9/16	5/8	7/8	1 1/16
3/8	7/16	9/16	3/4	15/16	Other 1.49	7/16	9/16	5/8	7/8	1 1/16
3/8	7/16	9/16	3/4	15/16	Other 1.50	7/16	9/16	5/8	7/8	1 1/16
3/8	7/16	9/16	3/4	15/16	Other 1.51	7/16	9/16	5/8	13/16	1 1/16
3/8	7/16	9/16	3/4	15/16	Other 1.52	7/16	9/16	5/8	13/16	1 1/16
3/8	7/16	1/2	3/4	15/16	Other 1.53	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.54	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.55	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.56	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.57	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.58	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.59	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.60	3/8	1/2	5/8	13/16	1 1/16
3/8	7/16	1/2	11/16	15/16	Other 1.61	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	15/16	Other 1.62	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	15/16	Other 1.63	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	7/8	Other 1.64	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	7/8	Other 1.65	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	7/8	Other 1.66	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	7/8	Other 1.67	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	7/8	Other 1.68	3/8	1/2	9/16	13/16	1
3/8	7/16	1/2	11/16	7/8	Other 1.69	3/8	1/2	9/16	3/4	1
3/8	7/16	1/2	11/16	7/8	Other 1.70	3/8	1/2	9/16	3/4	1
3/8	7/16	1/2	5/8	7/8	Other 1.75	3/8	1/2	9/16	3/4	15/16
3/8	3/8	1/2	5/8	7/8	Other 1.80	3/8	1/2	9/16	3/4	15/16
3/8	3/8	7/16	5/8	13/16	Other 1.85	3/8	7/16	9/16	3/4	15/16
3/8	3/8	7/16	5/8	13/16	Other 1.90	3/8	7/16	1/2	11/16	15/16
3/8	3/8	7/16	5/8	13/16	Other 1.95	3/8	7/16	1/2	11/16	7/8
3/8	3/8	7/16	5/8	13/16	Other 2.00	3/8	7/16	1/2	11/16	7/8
3/8	3/8	3/8	9/16	11/16	Other 2.25	3/8	3/8	7/16	5/8	13/16
3/8	3/8	3/8	1/2	11/16	Other 2.50	3/8	3/8	7/16	9/16	3/4
3/8	3/8	3/8	1/2	5/8	Other 2.75	3/8	3/8	3/8	9/16	11/16
3/8	3/8	3/8	7/16	9/16	Other 3.00	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	7/16	9/16	Other 3.25	3/8	3/8	3/8	1/2	5/8
3/8	3/8	3/8	3/8	1/2	Other 3.50	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	1/2	Other 3.75	3/8	3/8	3/8	7/16	9/16
3/8	3/8	3/8	3/8	7/16	Other 4.00	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	Other 4.25	3/8	3/8	3/8	3/8	1/2
3/8	3/8	3/8	3/8	7/16	Other 4.50	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other 4.75	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other 5.00	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other 5.25	3/8	3/8	3/8	3/8	7/16
3/8	3/8	3/8	3/8	3/8	Other 5.50	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	Other 5.75	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	Other 6.00	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	Other 6.25	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	Other 6.50	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	Other 6.75	3/8	3/8	3/8	3/8	3/8

BXUV.N706
Beam for Protected Floor/Ceiling, Fluted/Cellular Decking
Restrained Beam Thicknesses (Normal Weight Concrete)

GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG

FULL FLANGE TIP THICKNESS							HALF FLANGE TIP THICKNESS				
1 hr	1.5 hr	2 hr	3 hr	4 hr	Member		1 hr	1.5 hr	2 hr	3 hr	4 hr
					Size x	Wt. W/D					
3/8	3/8	3/8	3/8	3/8	Other	7.00	3/8	3/8	3/8	3/8	3/8
3/8	3/8	3/8	3/8	3/8	Other	8.00	3/8	3/8	3/8	3/8	3/8

Note: This table is intended to be used in conjunction with the specified UL Design N706. All required components specified in that UL Design shall remain a required component to achieve the hourly ratings. Only the version of UL Design N706 as shown on UL.com is considered current.