

BXUV.N782 Beam for Unprotected Floor/Ceiling, Fluted Decking Restrained Beam Thicknesses (Normal Weight Concrete) GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG, Z-106, Z-106/G, Z-146, Z-146T, Z-156, Z-156T, MK-1000/HB, MK-1000/HB Extended Set, MK-6 GF, MK-6 GF Extended Set											
FULL FLANGE TIP THICKNESS (in.)					Size x Wt W/D		HALF FLANGE TIP THICKNESS (in.)				
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	11/16	1 1/8	1 5/8	W4 x 13	0.670	7/16	7/16	11/16	1 1/8	1 5/8
3/8	7/16	11/16	1 1/8	1 5/8	W5 x 16	0.664	7/16	7/16	11/16	1 1/8	1 5/8
3/8	7/16	5/8	1 1/16	1 1/2	W5 x 19	0.776	7/16	7/16	5/8	1 1/16	1 1/2
1/2	9/16	13/16	1 7/16	2 1/16	W6 x 9	0.398	9/16	9/16	13/16	1 7/16	2 1/16
7/16	1/2	3/4	1 5/16	1 13/16	W6 x 12	0.526	1/2	1/2	3/4	1 5/16	1 13/16
7/16	1/2	3/4	1 5/16	1 7/8	W6 x 15	0.521	1/2	1/2	3/4	1 5/16	1 7/8
3/8	7/16	5/8	1 1/8	1 5/8	W6 x 16	0.684	7/16	7/16	5/8	1 1/8	1 5/8
3/8	7/16	5/8	1 1/8	1 5/8	W6 x 20	0.678	7/16	7/16	5/8	1 1/8	1 5/8
5/16	3/8	9/16	1	1 7/16	W6 x 25	0.839	3/8	3/8	9/16	1	1 7/16
1/2	9/16	7/8	1 1/2	2 1/8	W8 x 10	0.375	9/16	9/16	7/8	1 1/2	2 1/8
7/16	1/2	3/4	1 5/16	1 15/16	W8 x 13	0.483	1/2	1/2	3/4	1 5/16	1 15/16
7/16	1/2	3/4	1 1/4	1 13/16	W8 x 15	0.551	1/2	1/2	3/4	1 1/4	1 13/16
3/8	1/2	11/16	1 1/4	1 3/4	W8 x 18	0.583	1/2	1/2	11/16	1 1/4	1 3/4
3/8	7/16	11/16	1 1/8	1 5/8	W8 x 21	0.675	7/16	7/16	11/16	1 1/8	1 5/8
3/8	7/16	5/8	1 1/8	1 5/8	W8 x 24	0.704	7/16	7/16	5/8	1 1/8	1 5/8
5/16	3/8	9/16	1	1 7/16	W8 x 28	0.819	3/8	3/8	9/16	1	1 7/16
3/8	7/16	5/8	1 1/16	1 1/2	W8 x 31	0.803	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	1	1 3/8	W8 x 35	0.907	3/8	3/8	9/16	1	1 3/8
5/16	3/8	1/2	7/8	1 5/16	W8 x 40	1.030	3/8	3/8	1/2	7/8	1 5/16
5/16	3/8	1/2	13/16	1 3/16	W8 x 48	1.210	3/8	3/8	1/2	13/16	1 3/16
5/16	3/8	7/16	3/4	1	W8 x 58	1.440	3/8	3/8	7/16	3/4	1
5/16	3/8	3/8	11/16	15/16	W8 x 67	1.650	3/8	3/8	3/8	11/16	15/16
1/2	9/16	13/16	1 7/16	2 1/16	W10 x 12	0.392	9/16	9/16	13/16	1 7/16	2 1/16
7/16	1/2	3/4	1 5/16	1 15/16	W10 x 15	0.484	1/2	1/2	3/4	1 5/16	1 15/16
7/16	1/2	3/4	1 1/4	1 13/16	W10 x 17	0.543	1/2	1/2	3/4	1 1/4	1 13/16
3/8	1/2	11/16	1 3/16	1 3/4	W10 x 19	0.607	1/2	1/2	11/16	1 3/16	1 3/4
3/8	1/2	11/16	1 3/16	1 3/4	W10 x 22	0.606	1/2	1/2	11/16	1 3/16	1 3/4
3/8	7/16	5/8	1 1/8	1 9/16	W10 x 26	0.708	7/16	7/16	5/8	1 1/8	1 9/16
3/8	7/16	5/8	1 1/16	1 1/2	W10 x 30	0.809	7/16	7/16	5/8	1 1/16	1 1/2
3/8	7/16	5/8	1 1/16	1 1/2	W10 x 33	0.786	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	15/16	1 3/8	W10 x 39	0.929	3/8	3/8	9/16	15/16	1 3/8
5/16	3/8	1/2	7/8	1 1/4	W10 x 45	1.060	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	15/16	1 5/16	W10 x 49	1.010	3/8	3/8	1/2	15/16	1 5/16
5/16	3/8	1/2	7/8	1 1/4	W10 x 54	1.110	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	13/16	1 1/8	W10 x 60	1.220	3/8	3/8	1/2	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W10 x 68	1.380	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W10 x 77	1.540	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	7/8	W10 x 88	1.740	3/8	3/8	3/8	5/8	7/8
5/16	3/8	3/8	9/16	13/16	W10 x 100	1.970	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	9/16	3/4	W10 x 112	2.170	3/8	3/8	3/8	9/16	3/4
1/2	9/16	13/16	1 7/16	2 1/16	W12 x 14	0.405	9/16	9/16	13/16	1 7/16	2 1/16
7/16	9/16	13/16	1 3/8	1 15/16	W12 x 16	0.457	9/16	9/16	13/16	1 3/8	1 15/16
7/16	1/2	3/4	1 1/4	1 13/16	W12 x 19	0.540	1/2	1/2	3/4	1 1/4	1 13/16
3/8	7/16	11/16	1 3/16	1 11/16	W12 x 22	0.623	7/16	7/16	11/16	1 3/16	1 11/16
3/8	1/2	11/16	1 3/16	1 11/16	W12 x 26	0.612	1/2	1/2	11/16	1 3/16	1 11/16
3/8	7/16	5/8	1 1/8	1 5/8	W12 x 30	0.699	7/16	7/16	5/8	1 1/8	1 5/8
3/8	7/16	5/8	1 1/16	1 1/2	W12 x 35	0.810	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	1	1 7/16	W12 x 40	0.860	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	15/16	1 5/16	W12 x 45	0.974	3/8	3/8	9/16	15/16	1 5/16
5/16	3/8	1/2	7/8	1 1/4	W12 x 50	1.060	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	15/16	1 5/16	W12 x 53	1.020	3/8	3/8	1/2	15/16	1 5/16
5/16	3/8	1/2	7/8	1 1/4	W12 x 58	1.100	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	7/8	1 1/4	W12 x 65	1.110	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	7/16	13/16	1 1/8	W12 x 72	1.230	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W12 x 79	1.340	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	7/16	11/16	1	W12 x 87	1.470	3/8	3/8	7/16	11/16	1
5/16	3/8	3/8	11/16	15/16	W12 x 96	1.610	3/8	3/8	3/8	11/16	15/16
5/16	3/8	3/8	5/8	7/8	W12 x 106	1.770	3/8	3/8	3/8	5/8	7/8
5/16	3/8	3/8	9/16	13/16	W12 x 120	1.990	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	9/16	3/4	W12 x 136	2.230	3/8	3/8	3/8	9/16	3/4
5/16	3/8	3/8	1/2	11/16	W12 x 152	2.450	3/8	3/8	3/8	1/2	11/16

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FULL FLANGE TIP THICKNESS (in.)					Size x Wt W/D		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr			1 hr	1.5 hr	2 hr	3 hr	4 hr
5/16	3/8	3/8	7/16	5/8	W12 x 170	2.720	3/8	3/8	3/8	7/16	5/8
5/16	3/8	3/8	7/16	5/8	W12 x 190	3.000	3/8	3/8	3/8	7/16	5/8
5/16	3/8	3/8	3/8	9/16	W12 x 210	3.270	3/8	3/8	3/8	3/8	9/16
5/16	3/8	3/8	3/8	1/2	W12 x 230	3.550	3/8	3/8	3/8	3/8	1/2
5/16	3/8	3/8	3/8	1/2	W12 x 252	3.840	3/8	3/8	3/8	3/8	1/2
5/16	3/8	3/8	3/8	7/16	W12 x 279	4.190	3/8	3/8	3/8	3/8	7/16
5/16	3/8	3/8	3/8	7/16	W12 x 305	4.490	3/8	3/8	3/8	3/8	7/16
5/16	3/8	3/8	3/8	3/8	W12 x 336	4.850	3/8	3/8	3/8	3/8	3/8
7/16	1/2	3/4	1 5/16	1 13/16	W14 x 22	0.534	1/2	1/2	3/4	1 5/16	1 13/16
3/8	7/16	11/16	1 3/16	1 11/16	W14 x 26	0.628	7/16	7/16	11/16	1 3/16	1 11/16
3/8	7/16	11/16	1 3/16	1 11/16	W14 x 30	0.644	7/16	7/16	11/16	1 3/16	1 11/16
3/8	7/16	5/8	1 1/8	1 9/16	W14 x 34	0.725	7/16	7/16	5/8	1 1/8	1 9/16
3/8	7/16	5/8	1 1/16	1 1/2	W14 x 38	0.809	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	1	1 7/16	W14 x 43	0.874	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	15/16	1 5/16	W14 x 48	0.970	3/8	3/8	9/16	15/16	1 5/16
5/16	3/8	1/2	7/8	1 1/4	W14 x 53	1.060	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	7/8	1 1/4	W14 x 61	1.100	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	13/16	1 1/8	W14 x 68	1.220	3/8	3/8	1/2	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W14 x 74	1.320	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	7/16	3/4	1	W14 x 82	1.450	3/8	3/8	7/16	3/4	1
5/16	3/8	7/16	3/4	1 1/8	W14 x 90	1.310	3/8	3/8	7/16	3/4	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W14 x 99	1.430	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W14 x 109	1.570	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	15/16	W14 x 120	1.710	3/8	3/8	3/8	5/8	15/16
5/16	3/8	3/8	5/8	7/8	W14 x 132	1.890	3/8	3/8	3/8	5/8	7/8
5/16	3/8	3/8	9/16	13/16	W14 x 145	1.990	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	9/16	3/4	W14 x 159	2.160	3/8	3/8	3/8	9/16	3/4
5/16	3/8	3/8	1/2	11/16	W14 x 176	2.380	3/8	3/8	3/8	1/2	11/16
5/16	3/8	3/8	1/2	11/16	W14 x 193	2.600	3/8	3/8	3/8	1/2	11/16
5/16	3/8	3/8	7/16	5/8	W14 x 211	2.810	3/8	3/8	3/8	7/16	5/8
5/16	3/8	3/8	7/16	9/16	W14 x 233	3.080	3/8	3/8	3/8	7/16	9/16
5/16	3/8	3/8	3/8	9/16	W14 x 257	3.360	3/8	3/8	3/8	3/8	9/16
5/16	3/8	3/8	3/8	1/2	W14 x 283	3.660	3/8	3/8	3/8	3/8	1/2
5/16	3/8	3/8	3/8	1/2	W14 x 311	3.980	3/8	3/8	3/8	3/8	1/2
5/16	3/8	3/8	3/8	7/16	W14 x 342	4.320	3/8	3/8	3/8	3/8	7/16
5/16	3/8	3/8	3/8	7/16	W14 x 370	4.630	3/8	3/8	3/8	3/8	7/16
5/16	3/8	3/8	3/8	3/8	W14 x 398	4.930	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 426	5.210	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 455	5.530	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 500	5.950	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 550	6.430	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 605	6.960	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 665	7.490	3/8	3/8	3/8	3/8	3/8
5/16	3/8	3/8	3/8	3/8	W14 x 730	8.080	3/8	3/8	3/8	3/8	3/8
7/16	1/2	3/4	1 1/4	1 13/16	W16 x 26	0.558	1/2	1/2	3/4	1 1/4	1 13/16
3/8	7/16	11/16	1 3/16	1 5/8	W16 x 31	0.661	7/16	7/16	11/16	1 3/16	1 5/8
3/8	7/16	5/8	1 1/8	1 5/8	W16 x 36	0.702	7/16	7/16	5/8	1 1/8	1 5/8
3/8	7/16	5/8	1 1/16	1 1/2	W16 x 40	0.780	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	1	1 7/16	W16 x 45	0.870	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	15/16	1 5/16	W16 x 50	0.962	3/8	3/8	9/16	15/16	1 5/16
5/16	3/8	1/2	7/8	1 1/4	W16 x 57	1.090	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	7/8	1 1/4	W16 x 67	1.090	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	7/16	13/16	1 1/8	W16 x 77	1.250	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W16 x 89	1.430	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	15/16	W16 x 100	1.590	3/8	3/8	3/8	11/16	15/16
3/8	7/16	11/16	1 1/8	1 5/8	W18 x 35	0.672	7/16	7/16	11/16	1 1/8	1 5/8
3/8	7/16	5/8	1 1/16	1 1/2	W18 x 40	0.768	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	1	1 7/16	W18 x 46	0.876	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	W18 x 50	0.880	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	15/16	1 5/16	W18 x 55	0.963	3/8	3/8	9/16	15/16	1 5/16
5/16	3/8	1/2	7/8	1 1/4	W18 x 60	1.040	3/8	3/8	1/2	7/8	1 1/4

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Restrained Beam Thicknesses (Normal Weight Concrete)											
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FULL FLANGE TIP THICKNESS (in.)					Size x Wt W/D		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr			1 hr	1.5 hr	2 hr	3 hr	4 hr
5/16	3/8	1/2	7/8	1 3/16	W18 x 65	1.130	3/8	3/8	1/2	7/8	1 3/16
5/16	3/8	1/2	13/16	1 1/8	W18 x 71	1.220	3/8	3/8	1/2	13/16	1 1/8
5/16	3/8	1/2	7/8	1 3/16	W18 x 76	1.130	3/8	3/8	1/2	7/8	1 3/16
5/16	3/8	7/16	13/16	1 1/8	W18 x 86	1.270	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W18 x 97	1.420	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W18 x 106	1.550	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	15/16	W18 x 119	1.720	3/8	3/8	3/8	5/8	15/16
3/8	7/16	5/8	1 1/16	1 9/16	W21 x 44	0.746	7/16	7/16	5/8	1 1/16	1 9/16
5/16	3/8	9/16	1	1 7/16	W21 x 50	0.838	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	15/16	1 3/8	W21 x 57	0.952	3/8	3/8	9/16	15/16	1 3/8
5/16	3/8	9/16	15/16	1 3/8	W21 x 62	0.952	3/8	3/8	9/16	15/16	1 3/8
5/16	3/8	1/2	7/8	1 1/4	W21 x 68	1.040	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	7/8	1 1/4	W21 x 73	1.110	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	7/16	13/16	1 1/8	W21 x 83	1.260	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W21 x 93	1.400	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	7/16	3/4	1 1/8	W21 x 101	1.300	3/8	3/8	7/16	3/4	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W21 x 111	1.430	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W21 x 122	1.570	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	15/16	W21 x 132	1.680	3/8	3/8	3/8	5/8	15/16
5/16	3/8	3/8	5/8	7/8	W21 x 147	1.870	3/8	3/8	3/8	5/8	7/8
5/16	3/8	9/16	1	1 7/16	W24 x 55	0.828	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	15/16	1 3/8	W24 x 62	0.934	3/8	3/8	9/16	15/16	1 3/8
5/16	3/8	9/16	15/16	1 3/8	W24 x 68	0.942	3/8	3/8	9/16	15/16	1 3/8
5/16	3/8	1/2	7/8	1 1/4	W24 x 76	1.050	3/8	3/8	1/2	7/8	1 1/4
5/16	3/8	1/2	13/16	1 3/16	W24 x 84	1.150	3/8	3/8	1/2	13/16	1 3/16
5/16	3/8	7/16	13/16	1 1/8	W24 x 94	1.280	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	13/16	1 1/8	W24 x 104	1.240	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W24 x 117	1.380	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W24 x 131	1.540	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	15/16	W24 x 146	1.700	3/8	3/8	3/8	5/8	15/16
5/16	3/8	3/8	5/8	7/8	W24 x 162	1.880	3/8	3/8	3/8	5/8	7/8
5/16	3/8	1/2	7/8	1 5/16	W27 x 84	1.030	3/8	3/8	1/2	7/8	1 5/16
5/16	3/8	1/2	13/16	1 3/16	W27 x 94	1.150	3/8	3/8	1/2	13/16	1 3/16
5/16	3/8	7/16	13/16	1 1/8	W27 x 102	1.240	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W27 x 114	1.390	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W27 x 129	1.560	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	11/16	1	W27 x 146	1.550	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	15/16	W27 x 161	1.700	3/8	3/8	3/8	5/8	15/16
5/16	3/8	3/8	5/8	7/8	W27 x 178	1.870	3/8	3/8	3/8	5/8	7/8
5/16	3/8	1/2	15/16	1 5/16	W30 x 90	1.020	3/8	3/8	1/2	15/16	1 5/16
5/16	3/8	1/2	7/8	1 3/16	W30 x 99	1.120	3/8	3/8	1/2	7/8	1 3/16
5/16	3/8	1/2	13/16	1 3/16	W30 x 108	1.210	3/8	3/8	1/2	13/16	1 3/16
5/16	3/8	7/16	3/4	1 1/8	W30 x 116	1.300	3/8	3/8	7/16	3/4	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W30 x 124	1.390	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	7/16	11/16	1	W30 x 132	1.470	3/8	3/8	7/16	11/16	1
5/16	3/8	3/8	11/16	15/16	W30 x 173	1.660	3/8	3/8	3/8	11/16	15/16
5/16	3/8	3/8	5/8	7/8	W30 x 191	1.850	3/8	3/8	3/8	5/8	7/8
5/16	3/8	3/8	9/16	13/16	W30 x 211	2.010	3/8	3/8	3/8	9/16	13/16
5/16	3/8	1/2	13/16	1 3/16	W33 x 118	1.210	3/8	3/8	1/2	13/16	1 3/16
5/16	3/8	7/16	3/4	1 1/16	W33 x 130	1.320	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	7/16	3/4	1 1/16	W33 x 141	1.430	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	3/8	11/16	1	W33 x 152	1.530	3/8	3/8	3/8	11/16	1
5/16	3/8	3/8	5/8	15/16	W33 x 169	1.700	3/8	3/8	3/8	5/8	15/16
5/16	3/8	3/8	5/8	7/8	W33 x 201	1.790	3/8	3/8	3/8	5/8	7/8
5/16	3/8	3/8	9/16	13/16	W33 x 221	1.970	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	9/16	3/4	W33 x 241	2.130	3/8	3/8	3/8	9/16	3/4
5/16	3/8	7/16	13/16	1 1/8	W36 x 135	1.290	3/8	3/8	7/16	13/16	1 1/8
5/16	3/8	7/16	3/4	1 1/16	W36 x 150	1.430	3/8	3/8	7/16	3/4	1 1/16
5/16	3/8	7/16	11/16	1	W36 x 160	1.510	3/8	3/8	7/16	11/16	1
5/16	3/8	3/8	11/16	15/16	W36 x 170	1.600	3/8	3/8	3/8	11/16	15/16
5/16	3/8	3/8	5/8	15/16	W36 x 182	1.720	3/8	3/8	3/8	5/8	15/16

BXUV.N782											
Beam for Unprotected Floor/Ceiling, Fluted Decking											
Restrained Beam Thicknesses (Normal Weight Concrete)											
GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG, Z-106, Z-106/G, Z-146, Z-146T, Z-156, Z-156T, MK-1000/HB, MK-1000/HB Extended Set, MK-6 GF, MK-6 GF Extended Set											
FULL FLANGE TIP THICKNESS (in.)							HALF FLANGE TIP THICKNESS (in.)				
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
5/16	3/8	3/8	5/8	7/8	W36 x 194	1.810	3/8	3/8	3/8	5/8	7/8
5/16	3/8	3/8	9/16	13/16	W36 x 210	1.960	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	9/16	13/16	W36 x 230	1.950	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	9/16	13/16	W36 x 245	2.080	3/8	3/8	3/8	9/16	13/16
5/16	3/8	3/8	1/2	11/16	W36 x 256	2.370	3/8	3/8	3/8	1/2	11/16
5/16	3/8	3/8	9/16	3/4	W36 x 260	2.180	3/8	3/8	3/8	9/16	3/4
5/16	3/8	3/8	1/2	3/4	W36 x 280	2.350	3/8	3/8	3/8	1/2	3/4
5/16	3/8	3/8	1/2	11/16	W36 x 300	2.500	3/8	3/8	3/8	1/2	11/16
1/2	9/16	7/8	1 1/2	2 1/8	Other	0.37	9/16	9/16	7/8	1 1/2	2 1/8
1/2	9/16	7/8	1 1/2	2 1/8	Other	0.38	9/16	9/16	7/8	1 1/2	2 1/8
1/2	9/16	13/16	1 7/16	2 1/16	Other	0.39	9/16	9/16	13/16	1 7/16	2 1/16
1/2	9/16	13/16	1 7/16	2 1/16	Other	0.40	9/16	9/16	13/16	1 7/16	2 1/16
1/2	9/16	13/16	1 7/16	2 1/16	Other	0.41	9/16	9/16	13/16	1 7/16	2 1/16
7/16	9/16	13/16	1 7/16	2	Other	0.42	9/16	9/16	13/16	1 7/16	2
7/16	9/16	13/16	1 7/16	2	Other	0.43	9/16	9/16	13/16	1 7/16	2
7/16	9/16	13/16	1 3/8	2	Other	0.44	9/16	9/16	13/16	1 3/8	2
7/16	9/16	13/16	1 3/8	2	Other	0.45	9/16	9/16	13/16	1 3/8	2
7/16	9/16	13/16	1 3/8	1 15/16	Other	0.46	9/16	9/16	13/16	1 3/8	1 15/16
7/16	1/2	3/4	1 3/8	1 15/16	Other	0.47	1/2	1/2	3/4	1 3/8	1 15/16
7/16	1/2	3/4	1 3/8	1 15/16	Other	0.48	1/2	1/2	3/4	1 3/8	1 15/16
7/16	1/2	3/4	1 5/16	1 7/8	Other	0.49	1/2	1/2	3/4	1 5/16	1 7/8
7/16	1/2	3/4	1 5/16	1 7/8	Other	0.50	1/2	1/2	3/4	1 5/16	1 7/8
7/16	1/2	3/4	1 5/16	1 7/8	Other	0.51	1/2	1/2	3/4	1 5/16	1 7/8
7/16	1/2	3/4	1 5/16	1 7/8	Other	0.52	1/2	1/2	3/4	1 5/16	1 7/8
7/16	1/2	3/4	1 5/16	1 13/16	Other	0.53	1/2	1/2	3/4	1 5/16	1 13/16
7/16	1/2	3/4	1 1/4	1 13/16	Other	0.54	1/2	1/2	3/4	1 1/4	1 13/16
7/16	1/2	3/4	1 1/4	1 13/16	Other	0.55	1/2	1/2	3/4	1 1/4	1 13/16
7/16	1/2	3/4	1 1/4	1 13/16	Other	0.56	1/2	1/2	3/4	1 1/4	1 13/16
7/16	1/2	11/16	1 1/4	1 3/4	Other	0.57	1/2	1/2	11/16	1 1/4	1 3/4
7/16	1/2	11/16	1 1/4	1 3/4	Other	0.58	1/2	1/2	11/16	1 1/4	1 3/4
3/8	1/2	11/16	1 1/4	1 3/4	Other	0.59	1/2	1/2	11/16	1 1/4	1 3/4
3/8	1/2	11/16	1 3/16	1 3/4	Other	0.60	1/2	1/2	11/16	1 3/16	1 3/4
3/8	1/2	11/16	1 3/16	1 11/16	Other	0.61	1/2	1/2	11/16	1 3/16	1 11/16
3/8	7/16	11/16	1 3/16	1 11/16	Other	0.62	7/16	7/16	11/16	1 3/16	1 11/16
3/8	7/16	11/16	1 3/16	1 11/16	Other	0.63	7/16	7/16	11/16	1 3/16	1 11/16
3/8	7/16	11/16	1 3/16	1 11/16	Other	0.64	7/16	7/16	11/16	1 3/16	1 11/16
3/8	7/16	11/16	1 3/16	1 11/16	Other	0.65	7/16	7/16	11/16	1 3/16	1 11/16
3/8	7/16	11/16	1 3/16	1 5/8	Other	0.66	7/16	7/16	11/16	1 3/16	1 5/8
3/8	7/16	11/16	1 1/8	1 5/8	Other	0.67	7/16	7/16	11/16	1 1/8	1 5/8
3/8	7/16	5/8	1 1/8	1 5/8	Other	0.68	7/16	7/16	5/8	1 1/8	1 5/8
3/8	7/16	5/8	1 1/8	1 5/8	Other	0.69	7/16	7/16	5/8	1 1/8	1 5/8
3/8	7/16	5/8	1 1/8	1 5/8	Other	0.70	7/16	7/16	5/8	1 1/8	1 5/8
3/8	7/16	5/8	1 1/8	1 9/16	Other	0.71	7/16	7/16	5/8	1 1/8	1 9/16
3/8	7/16	5/8	1 1/8	1 9/16	Other	0.72	7/16	7/16	5/8	1 1/8	1 9/16
3/8	7/16	5/8	1 1/8	1 9/16	Other	0.73	7/16	7/16	5/8	1 1/8	1 9/16
3/8	7/16	5/8	1 1/16	1 9/16	Other	0.74	7/16	7/16	5/8	1 1/16	1 9/16
3/8	7/16	5/8	1 1/16	1 9/16	Other	0.75	7/16	7/16	5/8	1 1/16	1 9/16
3/8	7/16	5/8	1 1/16	1 1/2	Other	0.76	7/16	7/16	5/8	1 1/16	1 1/2
3/8	7/16	5/8	1 1/16	1 1/2	Other	0.77	7/16	7/16	5/8	1 1/16	1 1/2
3/8	7/16	5/8	1 1/16	1 1/2	Other	0.78	7/16	7/16	5/8	1 1/16	1 1/2
3/8	7/16	5/8	1 1/16	1 1/2	Other	0.79	7/16	7/16	5/8	1 1/16	1 1/2
3/8	7/16	5/8	1 1/16	1 1/2	Other	0.80	7/16	7/16	5/8	1 1/16	1 1/2
3/8	7/16	5/8	1 1/16	1 1/2	Other	0.81	7/16	7/16	5/8	1 1/16	1 1/2
5/16	3/8	9/16	1	1 7/16	Other	0.82	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	Other	0.83	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	Other	0.84	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	Other	0.85	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	Other	0.86	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	Other	0.87	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 7/16	Other	0.88	3/8	3/8	9/16	1	1 7/16
5/16	3/8	9/16	1	1 3/8	Other	0.89	3/8	3/8	9/16	1	1 3/8

BXUV.N782 Beam for Unprotected Floor/Ceiling, Fluted Decking Restrained Beam Thicknesses (Normal Weight Concrete) GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG, Z-106, Z-106/G, Z-146, Z-146T, Z-156, Z-156T, MK-1000/HB, MK-1000/HB Extended Set, MK-6 GF, MK-6 GF Extended Set													
FULL FLANGE TIP THICKNESS (in.)					Size x Wt		W/D		HALF FLANGE TIP THICKNESS (in.)				
1 hr	1.5 hr	2 hr	3 hr	4 hr			1 hr	1.5 hr	2 hr	3 hr	4 hr		
5/16	3/8	9/16	1	1 3/8	Other	0.90	3/8	3/8	9/16	1	1 3/8		
5/16	3/8	9/16	1	1 3/8	Other	0.91	3/8	3/8	9/16	1	1 3/8		
5/16	3/8	9/16	15/16	1 3/8	Other	0.92	3/8	3/8	9/16	15/16	1 3/8		
5/16	3/8	9/16	15/16	1 3/8	Other	0.93	3/8	3/8	9/16	15/16	1 3/8		
5/16	3/8	9/16	15/16	1 3/8	Other	0.94	3/8	3/8	9/16	15/16	1 3/8		
5/16	3/8	9/16	15/16	1 3/8	Other	0.95	3/8	3/8	9/16	15/16	1 3/8		
5/16	3/8	9/16	15/16	1 5/16	Other	0.96	3/8	3/8	9/16	15/16	1 5/16		
5/16	3/8	9/16	15/16	1 5/16	Other	0.97	3/8	3/8	9/16	15/16	1 5/16		
5/16	3/8	9/16	15/16	1 5/16	Other	0.98	3/8	3/8	9/16	15/16	1 5/16		
5/16	3/8	9/16	15/16	1 5/16	Other	0.99	3/8	3/8	9/16	15/16	1 5/16		
5/16	3/8	1/2	15/16	1 5/16	Other	1.00	3/8	3/8	1/2	15/16	1 5/16		
5/16	3/8	1/2	15/16	1 5/16	Other	1.01	3/8	3/8	1/2	15/16	1 5/16		
5/16	3/8	1/2	15/16	1 5/16	Other	1.02	3/8	3/8	1/2	15/16	1 5/16		
5/16	3/8	1/2	7/8	1 5/16	Other	1.03	3/8	3/8	1/2	7/8	1 5/16		
5/16	3/8	1/2	7/8	1 1/4	Other	1.04	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.05	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.06	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.07	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.08	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.09	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.10	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 1/4	Other	1.11	3/8	3/8	1/2	7/8	1 1/4		
5/16	3/8	1/2	7/8	1 3/16	Other	1.12	3/8	3/8	1/2	7/8	1 3/16		
5/16	3/8	1/2	7/8	1 3/16	Other	1.13	3/8	3/8	1/2	7/8	1 3/16		
5/16	3/8	1/2	7/8	1 3/16	Other	1.14	3/8	3/8	1/2	7/8	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.15	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.16	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.17	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.18	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.19	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.20	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 3/16	Other	1.21	3/8	3/8	1/2	13/16	1 3/16		
5/16	3/8	1/2	13/16	1 1/8	Other	1.22	3/8	3/8	1/2	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.23	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.24	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.25	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.26	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.27	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.28	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	13/16	1 1/8	Other	1.29	3/8	3/8	7/16	13/16	1 1/8		
5/16	3/8	7/16	3/4	1 1/8	Other	1.30	3/8	3/8	7/16	3/4	1 1/8		
5/16	3/8	7/16	3/4	1 1/8	Other	1.31	3/8	3/8	7/16	3/4	1 1/8		
5/16	3/8	7/16	3/4	1 1/16	Other	1.32	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.33	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.34	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.35	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.36	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.37	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.38	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.39	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.40	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.41	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.42	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1 1/16	Other	1.43	3/8	3/8	7/16	3/4	1 1/16		
5/16	3/8	7/16	3/4	1	Other	1.44	3/8	3/8	7/16	3/4	1		
5/16	3/8	7/16	3/4	1	Other	1.45	3/8	3/8	7/16	3/4	1		
5/16	3/8	7/16	3/4	1	Other	1.46	3/8	3/8	7/16	3/4	1		
5/16	3/8	7/16	11/16	1	Other	1.47	3/8	3/8	7/16	11/16	1		
5/16	3/8	7/16	11/16	1	Other	1.48	3/8	3/8	7/16	11/16	1		
5/16	3/8	7/16	11/16	1	Other	1.49	3/8	3/8	7/16	11/16	1		
5/16	3/8	7/16	11/16	1	Other	1.50	3/8	3/8	7/16	11/16	1		

BXUV.N782												
Beam for Unprotected Floor/Ceiling, Fluted Decking												
Restrained Beam Thicknesses (Normal Weight Concrete)												
GCP Applied Technologies Inc. — Types MK-6/HY, MK-10 HB, MK-6s, RG, Z-106, Z-106/G, Z-146, Z-146T, Z-156, Z-156T, MK-1000/HB, MK-1000/HB Extended Set, MK-6 GF, MK-6 GF Extended Set												
FULL FLANGE TIP THICKNESS (in.)								HALF FLANGE TIP THICKNESS (in.)				
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	
5/16	3/8	7/16	11/16	1	Other	1.51	3/8	3/8	7/16	11/16	1	
5/16	3/8	7/16	11/16	1	Other	1.52	3/8	3/8	7/16	11/16	1	
5/16	3/8	3/8	11/16	1	Other	1.53	3/8	3/8	3/8	11/16	1	
5/16	3/8	3/8	11/16	1	Other	1.54	3/8	3/8	3/8	11/16	1	
5/16	3/8	3/8	11/16	1	Other	1.55	3/8	3/8	3/8	11/16	1	
5/16	3/8	3/8	11/16	1	Other	1.56	3/8	3/8	3/8	11/16	1	
5/16	3/8	3/8	11/16	1	Other	1.57	3/8	3/8	3/8	11/16	1	
5/16	3/8	3/8	11/16	15/16	Other	1.58	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.59	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.60	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.61	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.62	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.63	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.64	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.65	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.66	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	11/16	15/16	Other	1.67	3/8	3/8	3/8	11/16	15/16	
5/16	3/8	3/8	5/8	15/16	Other	1.68	3/8	3/8	3/8	5/8	15/16	
5/16	3/8	3/8	5/8	15/16	Other	1.69	3/8	3/8	3/8	5/8	15/16	
5/16	3/8	3/8	5/8	15/16	Other	1.70	3/8	3/8	3/8	5/8	15/16	
5/16	3/8	3/8	5/8	7/8	Other	1.75	3/8	3/8	3/8	5/8	7/8	
5/16	3/8	3/8	5/8	7/8	Other	1.80	3/8	3/8	3/8	5/8	7/8	
5/16	3/8	3/8	5/8	7/8	Other	1.85	3/8	3/8	3/8	5/8	7/8	
5/16	3/8	3/8	5/8	7/8	Other	1.90	3/8	3/8	3/8	5/8	7/8	
5/16	3/8	3/8	9/16	13/16	Other	1.95	3/8	3/8	3/8	9/16	13/16	
5/16	3/8	3/8	9/16	13/16	Other	2.00	3/8	3/8	3/8	9/16	13/16	
5/16	3/8	3/8	1/2	3/4	Other	2.25	3/8	3/8	3/8	1/2	3/4	
5/16	3/8	3/8	1/2	11/16	Other	2.50	3/8	3/8	3/8	1/2	11/16	
5/16	3/8	3/8	7/16	5/8	Other	2.75	3/8	3/8	3/8	7/16	5/8	
5/16	3/8	3/8	7/16	5/8	Other	3.00	3/8	3/8	3/8	7/16	5/8	
5/16	3/8	3/8	3/8	9/16	Other	3.25	3/8	3/8	3/8	3/8	9/16	
5/16	3/8	3/8	3/8	1/2	Other	3.50	3/8	3/8	3/8	3/8	1/2	
5/16	3/8	3/8	3/8	1/2	Other	3.75	3/8	3/8	3/8	3/8	1/2	
5/16	3/8	3/8	3/8	1/2	Other	4.00	3/8	3/8	3/8	3/8	1/2	
5/16	3/8	3/8	3/8	7/16	Other	4.25	3/8	3/8	3/8	3/8	7/16	
5/16	3/8	3/8	3/8	7/16	Other	4.50	3/8	3/8	3/8	3/8	7/16	
5/16	3/8	3/8	3/8	7/16	Other	4.75	3/8	3/8	3/8	3/8	7/16	
5/16	3/8	3/8	3/8	3/8	Other	5.00	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	5.25	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	5.50	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	5.75	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	6.00	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	6.25	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	6.50	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	6.75	3/8	3/8	3/8	3/8	3/8	
5/16	3/8	3/8	3/8	3/8	Other	7.00	3/8	3/8	3/8	3/8	3/8	
5/16	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 N782. All required components specified in that UL Design shall remain a required component to achieve the hourly ratings. Only the version of UL Design N782 as shown on UL.com is considered current.