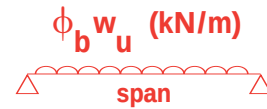


MC STRENGTH LOAD SPAN TABLE

UNIFORMLY DISTRIBUTED LOAD = $\phi_b w_u$ (kN/m)

SINGLE SPAN



Span m	MC 100/10				MC 100/12				MC 100/16				MC 100/19				MC 150/12			
	$\phi_b w_u$ (kN/m)		w_s kN/m		$\phi_b w_u$ (kN/m)		w_s kN/m		$\phi_b w_u$ (kN/m)		w_s kN/m		$\phi_b w_u$ (kN/m)		w_s kN/m		$\phi_b w_u$ (kN/m)		w_s kN/m	
	1B	2B	FR		1B	2B	FR		1B	2B	FR		1B	2B	FR		1B	2B	FR	
2.0	5.77	5.77	5.77	4.59	7.35	7.35	7.35	5.51	9.63	9.63	9.63	7.22								
2.5	3.69	3.69	3.69	2.35	4.70	4.70	4.7	2.82	6.00	6.16	6.16	3.69								
3.0	2.56	2.56	2.56	1.36	2.92	3.27	3.27	1.63	3.94	4.28	4.28	2.14	11.3	11.3	11.3	8.13				
3.5	1.55	1.88	1.88	0.86	1.99	2.40	2.40	1.03	2.70	3.09	3.14	1.35	6.97	7.23	7.23	4.16				
4.0	1.09	1.44	1.44	0.57	1.39	1.69	1.84	0.69	1.90	2.28	2.41	0.90	4.53	5.02	5.02	2.41	5.35	5.35	5.35	4.86
4.5	0.77	1.00	1.14	0.40	0.98	1.28	1.45	0.48	1.36	1.73	1.90	0.63	3.06	3.59	3.69	1.52	3.93	3.93	3.93	3.06
5.0	0.54	0.77	0.92	0.29	0.69	0.99	1.18	0.35	0.97	1.33	1.54	0.46	2.12	2.64	2.82	1.02	3.01	3.01	3.01	2.05
5.5	0.39	0.60	0.76	0.22	0.49	0.77	0.97	0.26	0.69	1.04	1.27	0.35	1.47	1.98	2.23	0.71	1.90	2.38	2.38	1.44
6.0	0.29	0.47	0.64	0.17	0.36	0.60	0.82	0.20	0.50	0.82	1.07	0.27	1.01	1.52	1.81	0.52	1.43	1.93	1.93	1.05
6.5	0.22	0.37	0.55	0.13	0.27	0.47	0.70	0.16	0.37	0.65	0.91	0.21	0.69	1.17	1.49	0.39	1.09	1.59	1.59	0.79
7.0	0.17	0.29	0.47	0.11	0.21	0.37	0.60	0.13	0.28	0.51	0.79	0.17	0.49	0.91	1.26	0.30	0.82	1.12	1.34	0.61
7.5	0.13	0.23	0.41	0.09	0.16	0.29	0.52	0.10	0.22	0.40	0.68	0.14	0.35	0.70	1.07	0.24	0.62	0.92	1.14	0.48
8.0	0.10	0.18	0.36	0.07	0.13	0.23	0.46	0.09	0.17	0.32	0.60	0.11	0.26	0.54	0.92	0.19	0.48	0.75	0.98	0.38
8.5	0.08	0.15	0.32	0.06	0.10	0.18	0.41	0.07	0.14	0.25	0.53	0.09	0.20	0.41	0.80	0.15	0.38	0.62	0.86	0.31
9.0	0.07	0.12	0.28	0.05	0.08	0.15	0.36	0.06	0.11	0.20	0.48	0.08	0.15	0.32	0.71	0.13	0.30	0.51	0.75	0.26
9.5					0.07	0.12	0.33	0.05	0.09	0.16	0.43	0.07	0.12	0.25	0.63	0.11	0.24	0.42	0.67	0.21
10.0													0.10	0.20	0.56	0.09	0.20	0.35	0.59	0.18
10.5													0.08	0.16	0.50	0.08	0.16	0.29	0.53	0.15
11.0																	0.13	0.24	0.48	0.13
11.5																	0.11	0.20	0.44	0.11
12.0																				
12.5																				
13.0																				
13.5																				
14.0																				
14.5																				
15.0																				
15.5																				
16.0																				
16.5																				
17.0																				
17.5																				
18.0																				
$\phi_b M_u$	2.88				3.69				4.81				5.67				6.03			
$\phi_v V_u$	10.4				18.1				35.9				49.2				11.0			

1B = One brace mid span

2B = Two braces within the span

3B = Three braces within the span

FR = Assumes compression flange fully restrained

w_s = Uniformly distributed serviceability load for deflection limit
= Span/150 (kN/m)

$\phi_b w_u$ = Strength load resistance applied at the centroid (kN/m)

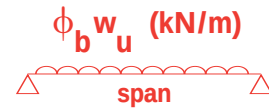
$\phi_b M_u$ = Section strength in bending at the F.R. condition (kN.m.)

$\phi_v V_u$ = Section strength in shear (kN)

MC STRENGTH LOAD SPAN TABLE

 UNIFORMLY DISTRIBUTED LOAD = $\phi_b w_u$ (kN/m)

SINGLE SPAN



Span m	MC 150/15				MC 150/19				MC 150/24				MC 200/15				MC 200/19			
	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m
	1B	2B	FR		1B	2B	FR		1B	2B	FR		1B	2B	FR		1B	2B	FR	
2.0																				
2.5																				
3.0													11.2	11.2	11.2	13.4	14.9	14.9	14.9	16.8
3.5													8.23	8.23	8.23	8.42	10.9	10.9	10.9	10.6
4.0	7.56	7.56	7.56	6.03	9.40	9.66	9.66	7.54	12.7	13.1	13.1	9.49	6.30	6.30	6.30	5.64	7.86	8.37	8.37	7.08
4.5	5.55	5.55	5.55	3.79	6.61	7.10	7.10	4.75	8.89	9.60	9.60	5.97	4.98	4.98	4.98	3.96	6.00	6.61	6.61	4.98
5.0	3.66	4.25	4.25	2.54	4.80	5.43	5.43	3.18	6.41	7.31	7.35	4.00	3.36	4.03	4.03	2.89	4.67	5.36	5.36	3.63
5.5	2.72	3.36	3.36	1.79	3.56	4.15	4.29	2.23	4.71	5.61	5.81	2.81	2.64	3.33	3.33	2.17	3.67	4.43	4.43	2.73
6.0	2.05	2.72	2.72	1.30	2.67	3.26	3.48	1.63	3.50	4.39	4.70	2.05	2.08	2.80	2.80	1.67	2.92	3.47	3.72	2.10
6.5	1.52	1.98	2.25	0.98	2.01	2.61	2.87	1.22	2.60	3.49	3.89	1.54	1.65	2.39	2.39	1.31	2.31	2.89	3.17	1.65
7.0	1.13	1.61	1.89	0.75	1.50	2.11	2.41	0.94	1.92	2.80	3.27	1.19	1.30	1.75	2.06	1.05	1.82	2.42	2.73	1.32
7.5	0.85	1.31	1.61	0.59	1.12	1.72	2.06	0.74	1.40	2.27	2.78	0.93	1.03	1.47	1.79	0.86	1.42	2.05	2.38	1.07
8.0	0.65	1.08	1.39	0.47	0.85	1.41	1.77	0.59	1.04	1.84	2.40	0.75	0.82	1.25	1.58	0.71	1.12	1.74	2.09	0.89
8.5	0.50	0.88	1.21	0.39	0.65	1.16	1.55	0.48	0.79	1.50	2.09	0.61	0.67	1.06	1.40	0.59	0.90	1.48	1.85	0.74
9.0	0.40	0.72	1.06	0.32	0.51	0.95	1.36	0.40	0.61	1.22	1.84	0.50	0.54	0.90	1.24	0.50	0.72	1.27	1.65	0.62
9.5	0.32	0.59	0.94	0.26	0.40	0.78	1.20	0.33	0.48	0.99	1.63	0.42	0.45	0.77	1.12	0.42	0.59	1.08	1.48	0.53
10.0	0.25	0.48	0.84	0.22	0.32	0.63	1.07	0.28	0.38	0.79	1.45	0.35	0.37	0.65	1.01	0.36	0.48	0.92	1.34	0.45
10.5	0.21	0.39	0.75	0.19	0.26	0.52	0.96	0.24	0.31	0.64	1.30	0.30	0.31	0.55	0.91	0.31	0.40	0.77	1.21	0.39
11.0	0.17	0.33	0.68	0.16	0.21	0.42	0.87	0.20	0.25	0.52	1.18	0.26	0.26	0.47	0.83	0.27	0.33	0.65	1.11	0.34
11.5		0.27	0.62	0.14	0.17	0.35	0.79	0.18	0.20	0.42	1.07	0.22								
12.0		0.23	0.56	0.12	0.14	0.29	0.72	0.15	0.17	0.35	0.97	0.19								
12.5																				
13.0																				
13.5																				
14.0																				
14.5																				
15.0																				
15.5																				
16.0																				
16.5																				
17.0																				
17.5																				
18.0																				
$\phi_b M_u$	8.51				10.8				14.7				12.6				16.7			
$\phi_v V_u$	22.2				46.5				82.8				16.4				34.1			

1B = One brace mid span

2B = Two braces within the span

3B = Three braces within the span

FR = Assumes compression flange fully restrained

 w_s = Uniformly distributed serviceability load for deflection limit = Span/150 (kN/m)

 $\phi_b w_u$ = Strength load resistance applied at the centroid (kN/m)

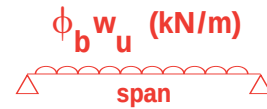
 $\phi_b M_u$ = Section strength in bending at the F.R. condition (kN.m.)

 $\phi_v V_u$ = Section strength in shear (kN)

MC STRENGTH LOAD SPAN TABLE

UNIFORMLY DISTRIBUTED LOAD = $\phi_b w_u$ (kN/m)

SINGLE SPAN



Span m	MC 200/24				MC 250/15				MC 250/19				MC 250/24				MC 300/24(90)							
	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m	$\phi_b w_u$ (kN/m)			w_s kN/m				
	1B	2B	FR		1B	2B	3B	FR		1B	2B	3B	FR		1B	2B	3B	FR		1B	2B	3B	FR	
2.0																								
2.5																								
3.0	21.1	21.1	21.1	21.3	14.4	14.4	14.4	14.4	24.1	19.3	19.3	19.3	19.3	30.3	28.4	28.4	28.4	28.4	38.6	35.3	35.3	35.3	35.3	61.4
3.5	15.2	15.5	15.5	13.4	10.6	10.6	10.6	10.6	15.1	14.2	14.2	14.2	14.2	19.1	20.9	20.9	20.9	20.9	24.3	25.9	25.9	25.9	25.9	38.7
4.0	11.2	11.9	11.9	9.00	8.10	8.10	8.10	8.10	10.1	10.9	10.9	10.9	10.9	12.8	15.4	16.0	16.0	16.0	16.3	19.8	19.8	19.8	19.8	25.9
4.5	8.50	9.41	9.41	6.32	6.40	6.40	6.40	6.40	7.10	8.60	8.60	8.60	8.60	8.97	11.8	12.6	12.6	12.6	11.4	14.7	15.7	15.7	15.7	18.2
5.0	6.54	7.49	7.61	4.61	5.20	5.20	5.20	5.20	5.20	6.17	6.95	6.95	6.95	6.54	9.22	10.2	10.2	10.2	8.30	11.6	12.7	12.7	12.7	13.3
5.5	5.09	6.05	6.29	3.46	3.48	4.28	4.28	4.28	3.90	4.91	5.74	5.74	5.74	4.91	1.31	8.24	8.45	8.45	6.26	9.23	10.5	10.5	10.5	9.97
6.0	3.98	4.95	5.28	2.67	2.78	3.59	3.59	3.59	3.00	3.95	4.83	4.83	4.83	3.79	5.85	6.80	7.10	7.10	4.82	7.43	8.82	8.82	8.82	7.68
6.5	3.12	4.09	4.50	2.10	2.24	3.06	3.06	3.06	2.37	3.20	4.11	4.11	4.11	2.98	4.70	5.67	6.05	6.05	3.79	6.03	7.09	7.51	7.51	6.04
7.0	2.43	3.41	3.88	1.68	1.80	2.64	2.64	2.64	1.89	2.59	3.19	3.55	3.55	2.38	3.76	4.78	5.22	5.22	3.04	4.91	5.99	6.48	6.48	4.83
7.5	1.88	2.86	3.38	1.37	1.45	2.30	2.30	2.30	1.54	2.10	2.72	3.09	3.09	1.94	2.99	4.05	4.55	4.55	2.47	3.99	5.10	5.64	5.64	3.93
8.0	1.46	2.41	2.97	1.13	1.17	1.65	2.02	2.02	1.27	1.70	2.32	2.71	2.71	1.60	2.36	3.46	3.99	3.99	2.03	3.23	4.37	4.96	4.96	3.24
8.5	1.15	2.03	2.63	0.94	0.95	1.41	1.79	1.79	1.06	1.38	2.00	2.40	2.40	1.33	1.88	2.96	3.43	3.54	1.70	2.62	3.76	4.39	4.39	2.70
9.0	0.92	1.72	2.35	0.79	0.79	1.21	1.60	1.60	0.89	1.13	1.73	2.14	2.14	1.12	1.51	2.55	3.02	3.16	1.43	2.11	3.25	3.92	3.92	2.27
9.5		1.45	2.11	0.67	0.66	1.05	1.43	1.43	0.76	0.93	1.49	1.93	1.93	0.95	1.23	2.19	2.67	2.83	1.21	1.72	2.82	3.34	3.52	1.93
10.0	0.74	1.22	1.90	0.58	0.55	0.90	1.29	1.29	0.65	0.77	1.29	1.74	1.74	0.82	1.01	1.88	2.38	2.56	1.04	1.42	2.45	2.98	3.17	1.66
10.5		1.02	1.73	0.50	0.47	0.78	1.17	1.17	0.56	0.64	1.12	1.42	1.58	0.71	0.83	1.61	2.12	2.32	0.90	1.17	2.12	2.66	2.88	1.43
11.0		0.85	1.57	0.43	0.40	0.67	1.07	1.07	0.49	0.54	0.97	1.27	1.44	0.61	0.69	1.37	1.90	2.11	0.78	0.98	1.84	2.39	2.62	1.25
11.5		0.72	1.44	0.38	0.34	0.58	0.98	0.98	0.43	0.46	0.84	1.15	1.31	0.54	0.58	1.16	1.71	1.93	0.68	0.82	1.59	2.15	2.40	1.09
12.0		0.61	1.32	0.33	0.29	0.50	0.73	0.90	0.38	0.39	0.72	1.03	1.21	0.47	0.49	0.99	1.54	1.78	0.60	0.69	1.38	1.94	2.20	0.96
12.5					0.25	0.44	0.66	0.83	0.33	0.33	0.63	0.93	1.11	0.42	0.41	0.85	1.39	1.64	0.53	0.59	1.19	1.76	2.03	0.85
13.0					0.22	0.38	0.60	0.77	0.30	0.28	0.55	0.85	1.03	0.37	0.35	0.73	1.25	1.51	0.47	0.50	1.03	1.59	1.88	0.75
13.5					0.19	0.34	0.54	0.71	0.26	0.25	0.48	0.77	0.95	0.33	0.30	0.63	1.13	1.40	0.42	0.43	0.89	1.44	1.74	0.67
14.0					0.17	0.30	0.49	0.66	0.24	0.21	0.42	0.70	0.89	0.30	0.26	0.55	1.03	1.30	0.38	0.37	0.77	1.31	1.62	0.60
14.5															0.22	0.48	0.93	1.22	0.34	0.32	0.68	1.19	1.51	0.54
15.0															0.19	0.42	0.84	1.14	0.31	0.28	0.59	1.09	1.41	0.49
15.5															0.17	0.37	0.75	1.06	0.28	0.24	0.52	0.99	1.32	0.45
16.0															0.15	0.32	0.68	1.00	0.25	0.21	0.46	0.90	1.24	0.40
16.5															0.13	0.28	0.61	0.94	0.23	0.19	0.41	0.82	1.17	0.37
17.0															0.12	0.25	0.55	0.88	0.21	0.16	0.36	0.74	1.10	0.34
17.5															0.11	0.22	0.49	0.83	0.15	0.15	0.32	0.67	1.04	0.31
18.0															0.09	0.20	0.44	0.79	0.18	0.13	0.29	0.61	0.98	0.28
$\phi_b M_u$	23.8				16.2					21.7					32.0					39.7				
$\phi_v V_u$	74.9				12.9					27.0					59.1					48.8				

1B = One brace mid span

2B = Two braces within the span

3B = Three braces within the span

FR = Assumes compression flange fully restrained

w_s = Uniformly distributed serviceability load for deflection limit
= $\text{Span}/150$ (kN/m)

$\phi_b w_u$ = Strength load resistance applied at the centroid (kN/m)

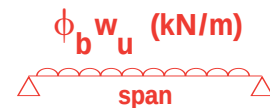
$\phi_b M_u$ = Section strength in bending at the F.R. condition (kN.m.)

$\phi_v V_u$ = Section strength in shear (kN)

MC STRENGTH LOAD SPAN TABLE

UNIFORMLY DISTRIBUTED LOAD = $\phi_b w_u$ (kN/m)

SINGLE SPAN



Span m	MC 300/24(100)					MC 300/30(90)					MC 300/30(100)					MC 400/24					MC 400/30				
	$\phi_b w_u$ (kN/m)				w_s kN/m	$\phi_b w_u$ (kN/m)				w_s kN/m	$\phi_b w_u$ (kN/m)				w_s kN/m	$\phi_b w_u$ (kN/m)				w_s kN/m	$\phi_b w_u$ (kN/m)				w_s kN/m
	1B	2B	3B	FR		1B	2B	3B	FR		1B	2B	3B	FR		1B	2B	3B	FR		1B	2B	3B	FR	
2.0																									
2.5																									
3.0	36.3	36.3	36.3	36.3	65.8	48.6	48.6	48.6	48.6	75.4	51.3	51.3	51.3	51.3	82.0	51.6	51.6	51.6	51.6	134	72.7	72.7	72.7	72.7	167
3.5	26.6	26.6	26.6	26.6	41.5	35.7	35.7	35.7	35.7	47.5	37.7	37.7	37.7	37.7	51.6	37.9	37.9	37.9	37.9	84.5	53.4	53.4	53.4	53.4	105
4.0	20.4	20.4	20.4	20.4	27.8	26.8	27.3	27.3	27.3	31.8	28.8	28.8	28.8	28.8	34.6	29.0	29.0	29.0	29.0	56.6	40.9	40.9	40.9	40.9	70.6
4.5	16.1	16.1	16.1	16.1	19.5	20.5	21.6	21.6	21.6	22.3	22.1	22.8	22.8	22.8	24.3	22.9	22.9	22.9	22.9	39.7	31.6	32.3	32.3	32.3	49.6
5.0	13.1	13.1	13.1	13.1	14.2	16.0	17.6	17.6	17.6	16.3	17.4	18.4	18.4	18.4	17.7	18.6	18.6	18.6	18.6	29.0	25.0	26.2	26.2	26.2	36.1
5.5	10.8	10.8	10.8	10.8	10.7	12.7	14.3	14.5	14.5	12.2	14.0	15.2	15.2	15.2	13.3	14.1	15.4	15.4	15.4	21.8	20.1	21.6	21.6	21.6	27.2
6.0	7.94	9.07	9.07	9.07	8.23	10.2	11.8	12.2	12.2	9.42	11.3	12.6	12.8	12.8	10.2	11.5	12.9	12.9	12.9	16.8	16.3	18.2	18.2	18.2	20.9
6.5	6.53	7.73	7.73	7.73	6.47	8.15	9.86	10.4	10.4	7.41	9.27	10.6	10.9	10.9	8.06	9.47	11.0	11.0	11.0	13.2	13.4	15.2	15.5	15.5	16.4
7.0	5.40	6.66	6.66	6.66	5.18	6.52	8.31	8.97	8.97	5.93	7.63	8.98	9.41	9.41	6.46	7.86	9.48	9.48	9.48	10.6	11.1	12.9	13.4	13.4	13.2
7.5	4.49	5.35	5.80	5.80	4.21	5.20	7.05	7.78	7.78	4.82	6.26	7.67	8.20	8.20	5.25	6.55	8.26	8.26	8.26	8.60	9.23	11.0	11.6	11.6	10.7
8.0	3.74	4.61	5.10	5.10	3.47	4.11	6.02	6.81	6.84	3.97	5.14	6.60	7.21	7.21	4.33	5.48	6.66	7.26	7.26	7.07	7.68	9.50	10.2	10.2	8.83
8.5	3.11	4.00	4.52	4.52	2.90	3.24	5.16	5.96	6.06	3.31	4.20	5.71	6.39	6.39	3.61	4.58	5.79	6.43	6.43	5.90	6.39	8.24	9.06	9.06	7.36
9.0	2.57	3.49	4.03	4.03	2.44	2.59	4.43	5.25	5.40	2.79	3.41	4.96	5.61	5.70	3.04	3.82	5.05	5.74	5.74	4.97	5.29	7.18	8.08	8.08	6.2
9.5	2.14	3.05	3.62	3.62	2.07	2.09	3.80	4.65	4.85	2.37	2.78	4.33	4.99	5.11	2.58	3.18	4.43	5.15	5.15	4.22	4.37	6.28	7.14	7.26	5.27
10.0	1.78	2.68	3.26	3.26	1.78	1.70	3.26	4.14	4.37	2.04	2.29	3.79	4.45	4.61	2.21	2.67	3.90	4.65	4.65	3.62	3.62	5.51	6.38	6.55	4.52
10.5	1.49	2.36	2.96	2.96	1.54	1.39	2.79	3.69	3.97	1.76	1.90	3.31	3.99	4.18	1.91	2.25	3.44	4.21	4.21	3.13	3.03	4.85	5.72	5.94	3.90
11.0	1.25	2.08	2.70	2.70	1.34	1.15	2.38	3.31	3.62	1.53	1.58	2.89	3.59	3.81	1.66	1.91	3.04	3.84	3.84	2.72	2.53	4.27	5.15	5.41	3.39
11.5	1.06	1.83	2.26	2.47	1.17	0.95	2.03	2.97	3.31	1.34	1.33	2.52	3.24	3.49	1.46	1.63	2.68	3.26	3.51	2.38	2.12	3.77	4.66	4.95	2.97
12.0	0.90	1.61	2.05	2.27	1.03	0.80	1.72	2.67	3.04	1.18	1.13	2.19	2.93	3.20	1.28	1.40	2.38	2.96	3.23	2.10	1.79	3.32	4.22	4.55	2.61
12.5	0.77	1.42	1.86	2.09	0.91	0.67	1.46	2.41	2.80	1.04	0.96	1.90	2.66	2.95	1.13	1.21	2.10	2.69	2.97	1.85	1.52	2.92	3.84	4.19	2.31
13.0	0.67	1.25	1.70	1.93	0.81	0.57	1.25	2.18	2.59	0.93	0.82	1.65	2.42	2.73	1.01	1.05	1.86	2.46	2.75	1.65	1.30	2.56	3.56	3.87	2.06
13.5	0.58	1.10	1.55	1.79	0.72	0.49	1.08	1.97	2.40	0.83	0.70	1.43	2.21	2.53	0.90	0.91	1.64	2.25	2.55	1.47	1.11	2.25	3.19	3.59	1.84
14.0	0.50	0.97	1.42	1.67	0.65	0.42	0.93	1.78	2.23	0.74	0.61	1.24	2.01	2.35	0.81	0.79	1.44	2.06	2.37	1.32	0.96	1.97	2.92	3.34	1.65
14.5	0.44	0.85	1.30	1.55	0.58	0.37	0.80	1.60	2.03	0.67	0.52	1.09	1.84	2.19	0.73	0.69	1.28	1.89	2.21	1.19	0.83	1.73	2.67	3.11	1.48
15.0	0.38	0.75	1.19	1.45	0.53	0.32	0.70	1.45	1.94	0.60	0.46	0.95	1.68	2.05	0.66	0.60	1.14	1.73	2.06	1.07	0.72	1.53	2.45	2.91	1.34
15.5	0.34	0.66	1.09	1.36	0.48	0.27	0.61	1.31	1.82	0.55	0.40	0.84	1.54	1.92	0.59	0.53	1.01	1.59	1.93	0.97	0.63	1.35	2.25	2.73	1.21
16.0	0.30	0.59	1.00	1.28	0.43	0.24	0.53	1.18	1.71	0.50	0.35	0.74	1.40	1.80	0.54	0.46	0.91	1.46	1.81	0.88	0.55	1.19	2.07	2.56	1.10
16.5	0.26	0.52	0.92	1.20	0.40	0.22	0.47	1.06	1.61	0.45	0.31	0.66	1.28	1.69	0.49	0.41	0.81	1.35	1.71	0.81	0.48	1.06	1.90	2.41	1.01
17.0	0.23	0.47	0.85	1.13	0.36	0.19	0.41	0.95	1.51	0.41	0.27	0.58	1.17	1.60	0.45	0.36	0.73	1.24	1.61	0.74	0.43	0.94	1.75	2.27	0.92
17.5	0.21	0.42	0.78	1.07	0.33	0.17	0.37	0.85	1.43	0.38	0.24	0.52	1.07	1.51	0.41	0.32	0.66	1.15	1.52	0.68	0.38	0.83	1.60	2.14	0.84
18.0	0.18	0.38	0.72	1.01	0.30	0.15	0.33	0.76	1.35	0.35	0.22	0.46	0.97	1.42	0.38	0.29	0.59	1.06	1.43	0.62	0.34	0.74	1.47	2.02	0.77
$\phi_b M_u$	40.8					54.7					57.7					58.1					81.8				
$\phi_v V_u$	46.2					95.8					90.4					36.4					67.3				

1B = One brace mid span
2B = Two braces within the span
3B = Three braces within the span
FR = Assumes compression flange fully restrained

w_s = Uniformly distributed serviceability load for deflection limit = $\text{Span}/150$ (kN/m)
 $\phi_b w_u$ = Strength load resistance applied at the centroid (kN/m)
 $\phi_b M_u$ = Section strength in bending at the F.R. condition (kN.m.)
 $\phi_v V_u$ = Section strength in shear (kN)