

### 2.3.7 DHS LOAD SPAN TABLES – SINGLE SPANS

Uniformly loaded bending capacities (kN/m)  $f_b W_{bx}$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13										
	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>						
3.0	5.17	5.17	5.17	5.17	4.73																					
3.5	3.80	3.80	3.80	3.80	3.02	5.18	5.18	5.18	5.18	3.92	5.63	5.63	5.63	5.63	5.86											
4.0	2.91	2.91	2.91	2.91	2.05	3.96	3.96	3.96	3.96	2.65	4.31	4.31	4.31	4.31	4.03	7.60	7.60	7.60	7.60	6.80	5.37	5.37	5.37	7.48		
4.5	2.30	2.30	2.30	2.30	1.45	3.09	3.13	3.13	3.13	1.86	3.40	3.40	3.40	3.40	2.90	6.00	6.00	6.00	6.00	4.82	4.77	4.77	4.77	5.37		
5.0	1.73	1.86	1.86	1.86	1.06	2.29	2.53	2.53	2.53	1.36	2.69	2.75	2.75	2.75	2.16	4.86	4.86	4.86	4.86	3.54	4.27	4.27	4.27	3.99		
5.5	1.26	1.54	1.54	1.54	0.80	1.67	2.09	2.09	2.09	1.02	2.09	2.28	2.28	2.28	1.65	3.85	4.02	4.02	4.02	2.66	3.43	3.53	3.53	3.05		
6.0	0.94	1.29	1.29	1.29	0.62	1.24	1.76	1.76	1.76	0.78	1.63	1.91	1.91	1.91	1.29	2.94	3.38	3.38	3.38	2.05	2.73	2.96	2.96	2.39		
6.5	0.71	1.10	1.10	1.10	0.49	0.94	1.50	1.50	1.50	0.62	1.27	1.63	1.63	1.63	1.02	2.24	2.88	2.88	2.88	1.61	2.20	2.53	2.53	1.91		
7.0	0.55	0.94	0.95	0.95	0.39	0.72	1.26	1.29	1.29	0.49	1.00	1.40	1.40	1.40	0.82	1.73	2.48	2.48	2.48	1.29	1.75	2.18	2.18	1.55		
7.5	0.43	0.78	0.82	0.82	0.32	0.56	1.03	1.12	1.12	0.40	0.81	1.21	1.22	1.22	0.67	1.36	2.16	2.16	2.16	1.05	1.41	1.90	1.90	1.28		
8.0						0.44	0.84	0.99	0.99	0.33	0.65	1.02	1.07	1.07	0.56	1.07	1.90	1.90	1.90	0.86	1.15	1.66	1.67	1.07		
8.5											0.53	0.86	0.95	0.95	0.47	0.87	1.47	1.47	1.47	0.72	0.85	1.60	1.68	1.48	0.90	
9.0											0.43	0.74	0.85	0.85	0.39	0.70	1.25	1.30	1.30	0.60	0.69	1.34	1.50	1.50	0.60	0.77
9.5											0.35	0.62	0.76	0.76	0.34	0.47	0.89	1.04	1.04	0.43	0.56	1.11	1.34	1.34	0.51	0.66
10.0											0.29	0.53	0.67	0.69	0.29	0.38	0.75	0.94	0.94	0.37	0.46	0.93	1.21	1.21	0.44	0.56
10.5																0.32	0.63	0.85	0.85	0.32	0.38	0.79	1.10	1.10	0.38	0.48
11.0																					0.32	0.67	0.97	1.00	0.33	0.40
11.5																					0.27	0.57	0.85	0.92	0.29	0.34
12.0																										0.29
12.5																										0.25
13.0																										
13.5																										
14.0																										
14.5																										
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1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3. W<sub>s</sub>: Load at a deflection of span/150.

### 2.3.7 DHS LOAD SPAN TABLES – SINGLE SPANS Uniformly loaded bending capacities (kN/m) $f_b W_{bX}$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20					
	1B	2B	3B	FR	$W_s$	1B	2B	3B	FR	$W_s$	1B	2B	3B	FR	$W_s$	1B	2B	3B	FR	$W_s$	
3.0																					
3.5																					
4.0																					
4.5																					
5.0	5.24	5.24	5.24	5.24	4.90	6.77	6.77	6.77	6.77	6.35	5.53	5.53	5.53	5.53	7.44						
5.5	4.31	4.33	4.33	4.33	3.75	5.60	5.60	5.60	5.60	4.81	5.03	5.03	5.03	5.03	5.69						
6.0	3.44	3.64	3.64	3.64	2.94	4.63	4.70	4.70	4.70	3.73	4.61	4.61	4.61	4.61	4.46						
6.5	2.77	3.10	3.10	3.10	2.35	3.74	4.01	4.01	4.01	2.95	3.86	4.05	4.05	4.05	3.56	5.17	5.25	5.25	5.25	5.25	4.63
7.0	2.21	2.67	2.67	2.67	1.91	2.98	3.45	3.45	3.45	2.37	3.18	3.49	3.49	3.49	2.89	4.26	4.52	4.52	4.52	4.52	3.77
7.5	1.78	2.33	2.33	2.33	1.57	2.36	3.01	3.01	3.01	1.94	2.64	3.04	3.04	3.04	2.39	3.54	3.94	3.94	3.94	3.94	3.11
8.0	1.45	2.04	2.04	2.04	1.30	1.88	2.64	2.64	2.64	1.60	2.17	2.67	2.67	2.67	1.99	2.91	3.46	3.46	3.46	3.46	2.60
8.5	1.20	1.79	1.81	1.81	1.09	1.52	2.34	2.34	2.34	1.34	1.79	2.36	2.36	2.36	1.68	2.41	3.07	3.07	3.07	3.07	2.20
9.0	0.99	1.54	1.61	1.61	0.92	1.24	2.08	2.09	2.09	1.13	1.49	2.11	2.11	2.11	1.43	2.02	2.74	2.74	2.74	2.74	1.86
9.5	0.82	1.34	1.45	1.45	0.78	1.02	1.80	1.87	1.87	0.96	1.26	1.85	1.89	1.89	1.23	1.70	2.45	2.45	2.45	2.45	1.59
10.0	0.68	1.16	1.31	1.31	0.67	0.85	1.57	1.69	1.69	0.82	1.07	1.62	1.71	1.71	1.07	1.45	2.17	2.21	2.21	2.21	1.37
10.5	0.57	1.00	1.19	1.19	0.58	0.71	1.35	1.53	1.53	0.71	0.91	1.43	1.55	1.55	0.93	1.23	1.91	2.01	2.01	2.01	1.18
11.0	0.48	0.86	1.08	1.08	0.51	0.59	1.16	1.40	1.40	0.62	0.79	1.26	1.41	1.41	0.82	1.04	1.69	1.83	1.83	1.83	1.03
11.5	0.41	0.75	0.96	0.99	0.45	0.50	0.99	1.28	1.28	0.54	0.68	1.12	1.29	1.29	0.72	0.89	1.50	1.67	1.67	1.67	0.91
12.0	0.35	0.66	0.86	0.91	0.39	0.42	0.86	1.16	1.17	0.47	0.59	0.98	1.18	1.18	0.64	0.76	1.32	1.54	1.54	1.54	0.80
12.5	0.30	0.58	0.77	0.83	0.35	0.36	0.74	1.04	1.08	0.42	0.52	0.86	1.07	1.09	0.57	0.66	1.16	1.42	1.42	1.42	0.71
13.0	0.26	0.51	0.69	0.77	0.31	0.31	0.65	0.94	1.00	0.37	0.45	0.76	0.97	1.01	0.51	0.57	1.03	1.30	1.31	1.31	0.63
13.5						0.27	0.57	0.84	0.93	0.33	0.40	0.67	0.88	0.93	0.46	0.50	0.91	1.18	1.21	1.21	0.57
14.0						0.23	0.50	0.75	0.86	0.30	0.35	0.60	0.80	0.87	0.41	0.43	0.81	1.07	1.13	1.13	0.51
14.5											0.30	0.54	0.72	0.81	0.37	0.38	0.73	0.97	1.05	1.05	0.46
15.0											0.27	0.48	0.66	0.76	0.33	0.33	0.66	0.89	0.98	0.98	0.41
15.5											0.24	0.43	0.60	0.71	0.30	0.29	0.59	0.81	0.92	0.92	0.38
16.0																0.26	0.53	0.73	0.86	0.86	0.34
16.5																0.23	0.47	0.66	0.81	0.81	0.31
17.0																					
17.5																					
18.0																					

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $W_s$ : Load at a deflection of span/150.

### 2.3.7 DHS LOAD SPAN TABLES – END SPANS

Uniformly loaded bending capacities (kN/m)  $f_b W_{bX}$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13					
	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	
3.0	4.75	4.75	4.75	4.75	10.78	7.05	7.05	7.05	7.05	14.30	4.57	4.57	4.57	4.57	21.64						
3.5	3.69	3.69	3.69	3.69	6.78	5.18	5.18	5.18	5.18	9.01	3.74	3.74	3.74	3.74	13.63	6.46	6.46	6.46	6.46	6.46	18.50
4.0	2.91	2.91	2.91	2.91	4.54	3.96	3.96	3.96	3.96	6.03	3.11	3.11	3.11	3.11	9.13	5.27	5.27	5.27	5.27	5.27	12.39
4.5	2.30	2.30	2.30	2.30	3.19	3.13	3.13	3.13	3.13	4.24	2.63	2.63	2.63	2.63	6.41	4.37	4.37	4.37	4.37	4.37	8.70
5.0	1.86	1.86	1.86	1.86	2.33	2.53	2.53	2.53	2.53	3.10	2.25	2.25	2.25	2.25	4.67	3.68	3.68	3.68	3.68	3.68	6.34
5.5	1.54	1.54	1.54	1.54	1.78	2.09	2.09	2.09	2.09	2.35	1.94	1.94	1.94	1.94	3.51	3.12	3.12	3.12	3.12	3.12	4.76
6.0	1.29	1.29	1.29	1.29	1.39	1.76	1.76	1.76	1.76	1.82	1.69	1.69	1.69	1.69	2.70	2.62	2.62	2.62	2.62	2.62	3.67
6.5	1.10	1.10	1.10	1.10	1.11	1.50	1.50	1.50	1.50	1.44	1.49	1.49	1.49	1.49	2.12	2.23	2.23	2.23	2.23	2.23	2.88
7.0	0.95	0.95	0.95	0.95	0.89	1.29	1.29	1.29	1.29	1.16	1.31	1.31	1.31	1.31	1.70	1.93	1.93	1.93	1.93	1.93	2.33
7.5	0.82	0.82	0.82	0.82	0.73	1.11	1.12	1.12	1.12	0.95	1.17	1.17	1.17	1.17	1.40	1.68	1.68	1.68	1.68	1.68	1.92
8.0	0.70	0.72	0.72	0.72	0.60	0.93	0.99	0.99	0.99	0.78	1.05	1.05	1.05	1.05	1.16	1.47	1.47	1.47	1.47	1.47	1.61
8.5	0.59	0.64	0.64	0.64	0.50	0.78	0.86	0.87	0.87	0.66	0.91	0.94	0.94	0.94	0.98	1.30	1.30	1.30	1.30	1.30	1.36
9.0	0.49	0.55	0.57	0.57	0.43	0.65	0.74	0.78	0.78	0.55	0.79	0.85	0.85	0.85	0.84	1.14	1.16	1.16	1.16	1.16	1.15
9.5	0.41	0.47	0.51	0.51	0.36	0.54	0.63	0.70	0.70	0.47	0.68	0.74	0.76	0.76	0.72	0.98	1.04	1.04	1.04	1.04	0.98
10.0	0.34	0.40	0.46	0.46	0.31	0.45	0.53	0.63	0.63	0.40	0.59	0.64	0.69	0.69	0.62	0.85	0.93	0.94	0.94	0.94	0.85
10.5						0.39	0.45	0.57	0.57	0.35	0.50	0.56	0.62	0.62	0.54	0.72	0.82	0.85	0.85	0.85	0.73
11.0						0.33	0.39	0.52	0.52	0.30	0.44	0.50	0.57	0.57	0.47	0.61	0.72	0.78	0.78	0.64	0.64
11.5											0.38	0.43	0.52	0.52	0.42	0.53	0.62	0.71	0.71	0.56	0.56
12.0											0.33	0.38	0.47	0.47	0.37	0.46	0.54	0.65	0.65	0.50	0.50
12.5											0.29	0.33	0.44	0.44	0.33	0.40	0.47	0.60	0.60	0.44	0.44
13.0											0.26	0.29	0.40	0.40	0.30	0.35	0.41	0.56	0.56	0.39	0.39
13.5																0.30	0.36	0.51	0.51	0.35	0.35
14.0																0.27	0.32	0.47	0.48	0.31	0.31
14.5																					
15.0																0.29	0.35	0.55	0.57	0.35	0.35
15.5																0.25	0.31	0.50	0.54	0.31	0.31
16.0																					
16.5																					
17.0																					
17.5																					
18.0																					

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3. W<sub>s</sub>: Load at a deflection of span/150.



### 2.3.7 DHS LOAD SPAN TABLES – INTERNAL SPANS

Uniformly loaded bending capacities (kN/m)  $f_b W_{b,x}$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13					
	1B	2B	3B	FR	W <sub>5</sub>	1B	2B	3B	FR	W <sub>5</sub>	1B	2B	3B	FR	W <sub>5</sub>	1B	2B	3B	FR	W <sub>5</sub>	
3.0																					
3.5	5.18	5.18	5.18	5.18	14.11	7.77	7.77	7.77	7.77	18.74	4.93	4.93	4.93	4.93	28.35						
4.0	4.17	4.17	4.17	4.17	9.45	5.95	5.95	5.95	5.95	12.55	4.15	4.15	4.15	4.15	18.99						
4.5	3.43	3.43	3.43	3.43	6.64	4.70	4.70	4.70	4.70	8.81	3.54	3.54	3.54	3.54	13.34						
5.0	2.79	2.79	2.79	2.79	4.84	3.80	3.80	3.80	3.80	6.42	3.06	3.06	3.06	3.06	9.72	6.06	6.06	6.06	6.06	6.06	18.10
5.5	2.31	2.31	2.31	2.31	3.63	3.14	3.14	3.14	3.14	4.83	2.67	2.67	2.67	2.67	7.30	5.15	5.15	5.15	5.15	5.15	13.19
6.0	1.94	1.94	1.94	1.94	2.80	2.64	2.64	2.64	2.64	3.72	2.34	2.34	2.34	2.34	5.62	4.42	4.42	4.42	4.42	4.42	9.91
6.5	1.65	1.65	1.65	1.65	2.20	2.25	2.25	2.25	2.25	2.92	2.07	2.07	2.07	2.07	4.42	3.35	3.35	3.35	3.35	3.35	7.63
7.0	1.42	1.42	1.42	1.42	1.76	1.94	1.94	1.94	1.94	2.35	1.84	1.84	1.84	1.84	3.54	2.89	2.89	2.89	2.89	2.89	6.00
7.5	1.24	1.24	1.24	1.24	1.45	1.69	1.69	1.69	1.69	1.92	1.65	1.65	1.65	1.65	2.88	2.52	2.52	2.52	2.52	2.52	4.81
8.0	1.09	1.09	1.09	1.09	1.21	1.48	1.48	1.48	1.48	1.59	1.48	1.48	1.48	1.48	2.37	2.21	2.21	2.21	2.21	2.21	3.91
8.5	0.96	0.96	0.96	0.96	1.02	1.31	1.31	1.31	1.31	1.33	1.34	1.34	1.34	1.34	1.97	1.96	1.96	1.96	1.96	1.96	3.22
9.0	0.86	0.86	0.86	0.86	0.87	1.17	1.17	1.17	1.17	1.13	1.22	1.22	1.22	1.22	1.66	1.75	1.75	1.75	1.75	1.75	2.68
9.5	0.77	0.77	0.77	0.77	0.74	1.05	1.05	1.05	1.05	0.96	1.11	1.11	1.11	1.11	1.41	1.57	1.57	1.57	1.57	1.57	2.26
10.0	0.69	0.69	0.69	0.69	0.64	0.95	0.95	0.95	0.95	0.83	1.01	1.01	1.01	1.01	1.22	1.41	1.41	1.41	1.41	1.41	1.93
10.5	0.63	0.63	0.63	0.63	0.55	0.86	0.86	0.86	0.86	0.72	0.93	0.93	0.93	0.93	1.06	1.28	1.28	1.28	1.28	1.28	1.67
11.0	0.57	0.57	0.57	0.57	0.48	0.78	0.78	0.78	0.78	0.63	0.85	0.85	0.85	0.85	0.93	1.17	1.17	1.17	1.17	1.17	1.46
11.5	0.52	0.52	0.52	0.52	0.42	0.72	0.72	0.72	0.72	0.55	0.78	0.78	0.78	0.78	0.82	1.07	1.07	1.07	1.07	1.07	1.28
12.0	0.48	0.48	0.48	0.48	0.37	0.66	0.66	0.66	0.66	0.48	0.71	0.71	0.71	0.71	0.73	0.98	0.98	0.98	0.98	0.98	1.13
12.5	0.44	0.44	0.44	0.44	0.33	0.60	0.60	0.60	0.60	0.43	0.66	0.66	0.66	0.66	0.65	0.90	0.90	0.90	0.90	0.90	1.00
13.0	0.41	0.41	0.41	0.41	0.29	0.56	0.56	0.56	0.56	0.38	0.61	0.61	0.61	0.61	0.58	0.84	0.84	0.84	0.84	0.84	0.89
13.5						0.51	0.50	0.52	0.52	0.34	0.56	0.56	0.56	0.56	0.52	0.77	0.77	0.77	0.77	0.77	0.71
14.0						0.46	0.46	0.48	0.48	0.31	0.52	0.52	0.52	0.52	0.47	0.72	0.72	0.72	0.72	0.72	0.64
14.5											0.48	0.48	0.49	0.49	0.43	0.67	0.67	0.67	0.67	0.67	0.58
15.0											0.44	0.44	0.46	0.46	0.39	0.63	0.63	0.63	0.63	0.63	0.52
15.5											0.41	0.40	0.42	0.43	0.35	0.59	0.58	0.59	0.59	0.59	0.48
16.0											0.37	0.37	0.39	0.40	0.32	0.54	0.53	0.55	0.55	0.55	0.43
16.5											0.35	0.34	0.36	0.38	0.30	0.50	0.49	0.52	0.52	0.52	0.40
17.0																0.46	0.45	0.48	0.49	0.49	0.36
17.5																0.43	0.42	0.45	0.46	0.46	0.33
18.0																0.39	0.38	0.41	0.43	0.43	0.31

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3. W<sub>5</sub>: Load at a deflection of span/150.



### 2.3.7 DHS LOAD SPAN TABLES – INTERNAL SPANS

Uniformly loaded bending capacities (kN/m)  $f_b W_{bX}$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20		
	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B
3.0																		
3.5																		
4.0																		
4.5	6.13	6.13	6.13	6.13	31.56	9.68	9.68	9.68	5.63	5.63	5.63	50.18						
5.0	5.33	5.33	5.33	5.33	23.01	8.31	8.31	8.31	4.98	4.98	4.98	36.58						
5.5	4.68	4.68	4.68	4.68	17.29	7.21	7.21	7.21	4.44	4.44	4.44	27.48						
6.0	4.14	4.14	4.14	4.14	13.31	6.31	6.31	6.31	3.98	3.98	3.98	21.17	6.36	6.36	6.36	5.90	5.90	5.90
6.5	3.68	3.68	3.68	3.68	10.47	5.56	5.56	5.56	3.60	3.60	3.60	16.65	5.70	5.70	5.70	5.35	5.35	5.35
7.0	3.29	3.29	3.29	3.29	8.38	4.93	4.93	4.93	3.27	3.27	3.27	13.33	5.13	5.13	5.13	4.87	4.87	4.87
7.5	2.96	2.96	2.96	2.96	6.81	4.40	4.40	4.40	2.98	2.98	2.98	10.84	4.64	4.64	4.64	4.46	4.46	4.46
8.0	2.68	2.68	2.68	2.68	5.61	3.94	3.94	3.94	2.73	2.73	2.73	8.93	4.22	4.22	4.22	4.10	4.10	4.10
8.5	2.43	2.43	2.43	2.43	4.68	3.51	3.51	3.51	2.51	2.51	2.51	7.44	3.85	3.85	3.85	3.78	3.78	3.78
9.0	2.22	2.22	2.22	2.22	3.94	3.13	3.13	3.13	2.31	2.31	2.31	6.27	3.52	3.52	3.52	3.49	3.49	3.49
9.5	2.03	2.03	2.03	2.03	3.35	2.81	2.81	2.81	2.14	2.14	2.14	5.33	3.24	3.24	3.24	3.24	3.24	3.24
10.0	1.86	1.86	1.86	1.86	2.87	2.54	2.54	2.54	1.98	1.98	1.98	4.57	2.98	2.98	2.98	2.98	2.98	2.98
10.5	1.71	1.71	1.71	1.71	2.48	2.30	2.30	2.30	1.84	1.84	1.84	3.95	2.75	2.75	2.75	2.75	2.75	2.75
11.0	1.58	1.58	1.58	1.58	2.16	2.10	2.10	2.10	1.72	1.72	1.72	3.43	2.55	2.55	2.55	2.55	2.55	2.55
11.5	1.46	1.46	1.46	1.46	1.89	1.92	1.92	1.92	1.60	1.60	1.60	3.00	2.37	2.37	2.37	2.37	2.37	2.37
12.0	1.36	1.36	1.36	1.36	1.66	1.76	1.76	1.76	1.50	1.50	1.50	2.64	2.20	2.20	2.20	2.20	2.20	2.20
12.5	1.25	1.25	1.25	1.25	1.48	1.62	1.62	1.62	1.41	1.41	1.41	2.34	2.06	2.06	2.06	2.06	2.06	2.06
13.0	1.16	1.16	1.16	1.16	1.32	1.50	1.50	1.50	1.32	1.32	1.32	2.08	1.92	1.92	1.92	1.92	1.92	1.92
13.5	1.08	1.08	1.08	1.08	1.19	1.39	1.39	1.39	1.24	1.24	1.24	1.85	1.80	1.80	1.80	1.80	1.80	1.80
14.0	1.00	1.00	1.00	1.00	1.07	1.29	1.29	1.29	1.17	1.17	1.17	1.66	1.69	1.69	1.69	1.69	1.69	1.69
14.5	0.93	0.93	0.93	0.93	0.97	1.20	1.20	1.20	1.10	1.10	1.10	1.50	1.58	1.58	1.58	1.58	1.58	1.58
15.0	0.87	0.87	0.87	0.87	0.88	1.13	1.13	1.13	1.04	1.04	1.04	1.35	1.47	1.47	1.47	1.47	1.47	1.47
15.5	0.81	0.81	0.81	0.81	0.81	1.05	1.05	1.05	0.99	0.99	0.99	1.23	1.38	1.38	1.38	1.38	1.38	1.38
16.0	0.76	0.76	0.76	0.76	0.74	0.99	0.99	0.99	0.93	0.93	0.93	1.12	1.30	1.30	1.30	1.30	1.30	1.30
16.5	0.70	0.70	0.70	0.70	0.68	0.93	0.93	0.93	0.89	0.89	0.89	1.03	1.22	1.22	1.22	1.22	1.22	1.22
17.0	0.65	0.65	0.65	0.65	0.62	0.87	0.87	0.87	0.84	0.84	0.84	0.95	1.15	1.15	1.15	1.15	1.15	1.15
17.5	0.61	0.60	0.64	0.64	0.57	0.81	0.81	0.83	0.83	0.83	0.74	0.87	1.08	1.08	1.08	1.08	1.08	1.08
18.0	0.56	0.56	0.59	0.60	0.53	0.76	0.76	0.78	0.78	0.78	0.68	0.81	1.02	1.02	1.02	1.02	1.02	1.02

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $W_s$ : Load at a deflection of span/150.

### 2.3.7 DHS LOAD SPAN TABLES – LAPPED END SPAN

#### Uniformly loaded bending capacities (kN/m) $f_b W_{bx}$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13					
	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	
3.0	5.66	5.66	5.66	5.66	12.02	8.98	8.98	8.98	8.98	15.96	5.18	5.18	5.18	5.18	24.15						
3.5	4.45	4.45	4.45	4.45	7.57	6.62	6.62	6.62	6.62	10.05	4.28	4.28	4.28	4.28	15.21						
4.0	3.58	3.58	3.58	3.58	5.07	5.06	5.06	5.06	5.06	6.73	3.60	3.60	3.60	3.60	10.19	6.24	6.24	6.24	6.24	6.24	13.83
4.5	2.94	2.94	2.94	2.94	3.56	4.00	4.00	4.00	4.00	4.73	3.06	3.06	3.06	3.06	7.15	5.22	5.22	5.22	5.22	5.22	9.71
5.0	2.38	2.38	2.38	2.38	2.59	3.24	3.24	3.24	3.24	3.44	2.64	2.64	2.64	2.64	5.21	4.43	4.43	4.43	4.43	4.43	7.08
5.5	1.96	1.96	1.96	1.96	1.95	2.68	2.68	2.68	2.68	2.59	2.30	2.30	2.30	2.30	3.92	3.80	3.80	3.80	3.80	3.80	5.32
6.0	1.65	1.65	1.65	1.65	1.50	2.25	2.25	2.25	2.25	2.00	2.02	2.02	2.02	2.02	3.02	3.29	3.29	3.29	3.29	3.29	4.09
6.5	1.40	1.40	1.40	1.40	1.20	1.92	1.92	1.92	1.92	1.58	1.78	1.78	1.78	1.78	2.37	2.86	2.86	2.86	2.86	2.86	3.22
7.0	1.21	1.21	1.21	1.21	0.97	1.61	1.65	1.65	1.65	1.27	1.59	1.59	1.59	1.59	1.90	2.46	2.46	2.46	2.46	2.46	2.58
7.5	1.00	1.05	1.05	1.05	0.80	1.33	1.44	1.44	1.44	1.04	1.42	1.42	1.42	1.42	1.54	2.14	2.14	2.14	2.14	2.14	2.09
8.0	0.83	0.91	0.93	0.93	0.66	1.10	1.22	1.26	1.26	0.86	1.27	1.27	1.27	1.27	1.27	1.88	1.88	1.88	1.88	1.88	1.72
8.5	0.68	0.78	0.82	0.82	0.55	0.90	1.03	1.12	1.12	0.72	1.11	1.15	1.15	1.15	1.06	1.60	1.67	1.67	1.67	1.67	1.45
9.0	0.56	0.65	0.73	0.73	0.47	0.74	0.86	1.00	1.00	0.61	0.95	1.03	1.04	1.04	0.90	1.37	1.49	1.49	1.49	1.49	1.24
9.5	0.47	0.54	0.66	0.66	0.40	0.62	0.72	0.89	0.89	0.52	0.80	0.89	0.95	0.95	0.77	1.15	1.29	1.33	1.33	1.33	1.06
10.0	0.39	0.46	0.59	0.59	0.34	0.52	0.61	0.81	0.81	0.45	0.69	0.78	0.87	0.87	0.67	0.97	1.13	1.20	1.20	1.20	0.92
10.5	0.33	0.38	0.54	0.54	0.30	0.44	0.51	0.73	0.73	0.39	0.59	0.67	0.80	0.80	0.58	0.82	0.97	1.09	1.09	1.09	0.80
11.0						0.37	0.44	0.65	0.67	0.34	0.51	0.58	0.72	0.72	0.51	0.70	0.82	0.99	0.99	0.99	0.70
11.5						0.31	0.37	0.58	0.61	0.30	0.44	0.50	0.66	0.66	0.45	0.60	0.71	0.91	0.91	0.91	0.62
12.0											0.39	0.44	0.60	0.61	0.40	0.52	0.61	0.83	0.83	0.83	0.54
12.5											0.34	0.39	0.54	0.56	0.36	0.45	0.53	0.77	0.77	0.77	0.48
13.0											0.30	0.34	0.48	0.52	0.32	0.39	0.46	0.70	0.71	0.71	0.43
13.5											0.26	0.30	0.44	0.48	0.29	0.34	0.40	0.63	0.66	0.66	0.38
14.0																0.30	0.36	0.57	0.61	0.61	0.35
14.5																0.27	0.31	0.51	0.57	0.57	0.31
15.0																					
15.5																					
16.0																					
16.5																					
17.0																					
17.5																					
18.0																					

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3. W<sub>s</sub>: Load at a deflection of span/150.

### 2.3.7 DHS LOAD SPAN TABLES – LAPPED END SPAN

Uniformly loaded bending capacities (kN/m)  $f_b W_{b,x}$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20		
	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B	1B	2B	3B
3.0																		
3.5																		
4.0	6.18	6.18	6.18	6.18	24.11	9.86	9.86	9.86	9.86	30.91	5.61	5.61	5.61	38.33				
4.5	5.31	5.31	5.31	5.31	16.93	8.36	8.36	8.36	8.36	21.71	4.89	4.89	4.89	26.92				
5.0	4.61	4.61	4.61	4.61	12.34	7.17	7.17	7.17	7.17	15.82	4.32	4.32	4.32	19.62				
5.5	4.04	4.04	4.04	4.04	9.27	6.21	6.21	6.21	6.21	11.89	3.85	3.85	3.85	14.74	6.19	6.19	6.19	18.91
6.0	3.57	3.57	3.57	3.57	7.14	5.43	5.43	5.43	5.43	9.16	3.45	3.45	3.45	11.36	5.50	5.50	5.50	14.57
6.5	3.17	3.17	3.17	3.17	5.62	4.78	4.78	4.78	4.78	7.20	3.12	3.12	3.12	8.93	4.92	4.92	4.92	11.46
7.0	2.84	2.84	2.84	2.84	4.50	4.23	4.23	4.23	4.23	5.76	2.83	2.83	2.83	7.15	4.43	4.43	4.43	9.17
7.5	2.55	2.55	2.55	2.55	3.65	3.77	3.77	3.77	3.77	4.69	2.58	2.58	2.58	5.81	4.00	4.00	4.00	7.46
8.0	2.30	2.30	2.30	2.30	3.01	3.38	3.38	3.38	3.38	3.86	2.36	2.36	2.36	4.79	3.64	3.64	3.64	6.14
8.5	2.09	2.09	2.09	2.09	2.51	2.99	2.99	2.99	2.99	3.22	2.17	2.17	2.17	3.99	3.31	3.31	3.31	5.12
9.0	1.90	1.90	1.90	1.90	2.11	2.65	2.67	2.67	2.67	2.71	2.00	2.00	2.00	3.36	3.03	3.03	3.03	4.31
9.5	1.71	1.74	1.74	1.74	1.80	2.30	2.39	2.39	2.39	2.30	1.85	1.85	1.85	2.86	2.78	2.78	2.78	3.67
10.0	1.48	1.60	1.60	1.60	1.54	2.00	2.16	2.16	2.16	1.97	1.71	1.71	1.71	2.45	2.56	2.56	2.56	3.14
10.5	1.28	1.42	1.47	1.47	1.33	1.73	1.92	1.96	1.96	1.72	1.59	1.59	1.59	2.12	2.37	2.37	2.37	2.71
11.0	1.11	1.25	1.36	1.36	1.16	1.49	1.69	1.79	1.79	1.51	1.48	1.48	1.48	1.84	2.15	2.19	2.19	2.36
11.5	0.97	1.10	1.25	1.25	1.03	1.28	1.49	1.63	1.63	1.33	1.38	1.38	1.38	1.61	1.91	2.03	2.03	2.06
12.0	0.85	0.97	1.16	1.16	0.91	1.11	1.31	1.50	1.50	1.18	1.25	1.29	1.29	1.42	1.68	1.86	1.89	1.82
12.5	0.75	0.85	1.07	1.07	0.81	0.96	1.14	1.38	1.38	1.06	1.10	1.21	1.21	1.25	1.48	1.67	1.76	1.61
13.0	0.66	0.75	0.99	0.99	0.73	0.84	1.00	1.28	1.28	0.95	0.97	1.12	1.13	1.11	1.31	1.50	1.65	1.43
13.5	0.59	0.67	0.90	0.92	0.65	0.74	0.88	1.18	1.18	0.85	0.87	1.00	1.07	1.00	1.17	1.34	1.54	1.29
14.0	0.52	0.60	0.82	0.85	0.59	0.65	0.77	1.10	1.10	0.77	0.77	0.89	1.00	0.90	1.04	1.20	1.44	1.16
14.5	0.46	0.53	0.75	0.79	0.53	0.57	0.68	1.01	1.03	0.69	0.69	0.80	0.95	0.81	0.94	1.07	1.34	1.06
15.0	0.41	0.48	0.68	0.74	0.49	0.51	0.61	0.93	0.96	0.63	0.62	0.71	0.89	0.74	0.84	0.97	1.26	0.96
15.5	0.36	0.43	0.63	0.69	0.44	0.45	0.54	0.85	0.90	0.57	0.56	0.64	0.85	0.67	0.76	0.87	1.17	0.87
16.0	0.32	0.38	0.57	0.65	0.40	0.40	0.48	0.77	0.84	0.52	0.51	0.58	0.80	0.62	0.69	0.79	1.08	0.80
16.5	0.29	0.34	0.52	0.61	0.37	0.36	0.43	0.71	0.79	0.47	0.46	0.53	0.74	0.57	0.62	0.72	0.99	0.73
17.0	0.26	0.31	0.47	0.58	0.34	0.32	0.39	0.64	0.74	0.43	0.42	0.48	0.68	0.52	0.55	0.65	0.92	0.68
17.5	0.23	0.28	0.43	0.54	0.31	0.29	0.35	0.58	0.70	0.40	0.38	0.44	0.63	0.48	0.50	0.60	0.85	0.62
18.0	0.21	0.25	0.40	0.51	0.29	0.26	0.31	0.53	0.66	0.37	0.35	0.40	0.59	0.44	0.45	0.54	0.79	0.57

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $W_s$ : Load at a deflection of span/150.



### 2.3.7 DHS LOAD SPAN TABLES – LAPPED INTERNAL SPANS

Uniformly loaded bending capacities (kN/m)  $f_b W_{b,x}$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13						
	1B	2B	3B	FR	W <sub>5</sub>	1B	2B	3B	FR	W <sub>5</sub>	1B	2B	3B	FR	W <sub>5</sub>	1B	2B	3B	FR	W <sub>5</sub>		
3.0																						
3.5																						
4.0	5.43	5.43	5.43	5.43	11.72	8.46	8.46	8.46	8.46	15.56	5.04	5.04	5.04	5.04	23.54							
4.5	4.51	4.51	4.51	4.51	8.23	6.68	6.68	6.68	6.68	10.93	4.35	4.35	4.35	4.35	16.53							
5.0	3.80	3.80	3.80	3.80	6.00	5.41	5.41	5.41	5.41	7.96	3.79	3.79	3.79	3.79	12.05	6.60	6.60	6.60	6.60	6.60	16.35	
5.5	3.24	3.24	3.24	3.24	4.51	4.47	4.47	4.47	4.47	5.98	3.34	3.34	3.34	3.34	9.05	5.72	5.72	5.72	5.72	5.72	12.29	
6.0	2.76	2.76	2.76	2.76	3.47	3.76	3.76	3.76	3.76	4.61	2.96	2.96	2.96	2.96	6.97	5.01	5.01	5.01	5.01	5.01	9.46	
6.5	2.35	2.35	2.35	2.35	2.73	3.20	3.20	3.20	3.20	3.62	2.64	2.64	2.64	2.64	5.48	4.41	4.41	4.41	4.41	4.41	7.44	
7.0	2.02	2.02	2.02	2.02	2.18	2.76	2.76	2.76	2.76	2.90	2.37	2.37	2.37	2.37	4.39	3.91	3.91	3.91	3.91	3.91	5.96	
7.5	1.76	1.76	1.76	1.76	1.77	2.40	2.40	2.40	2.40	2.36	2.14	2.14	2.14	2.14	3.57	3.49	3.49	3.49	3.49	3.49	4.84	
8.0	1.55	1.55	1.55	1.55	1.46	2.11	2.11	2.11	2.11	1.94	1.93	1.93	1.93	1.93	2.94	3.13	3.13	3.13	3.13	3.13	3.99	
8.5	1.37	1.37	1.37	1.37	1.22	1.87	1.87	1.87	1.87	1.62	1.76	1.76	1.76	1.76	2.45	2.79	2.79	2.79	2.79	2.79	3.33	
9.0	1.22	1.22	1.22	1.22	1.02	1.63	1.67	1.67	1.67	1.37	1.61	1.61	1.61	1.61	2.06	2.49	2.49	2.49	2.49	2.49	2.80	
9.5	1.06	1.10	1.10	1.10	0.88	1.40	1.50	1.50	1.50	1.17	1.47	1.47	1.47	1.47	1.75	2.23	2.23	2.23	2.23	2.23	2.38	
10.0	0.92	0.99	0.99	0.99	0.76	1.22	1.35	1.35	1.35	1.00	1.35	1.35	1.35	1.35	1.50	2.01	2.01	2.01	2.01	2.01	2.04	
10.5	0.80	0.90	0.90	0.90	0.66	1.05	1.22	1.22	1.22	0.87	1.25	1.25	1.25	1.25	1.30	1.79	1.83	1.83	1.83	1.83	1.76	
11.0	0.69	0.82	0.82	0.82	0.58	0.90	1.11	1.11	1.11	0.76	1.10	1.15	1.15	1.15	1.13	1.59	1.66	1.66	1.66	1.66	1.53	
11.5	0.59	0.75	0.75	0.75	0.51	0.78	1.02	1.02	1.02	0.67	0.98	1.07	1.07	1.07	0.99	1.41	1.52	1.52	1.52	1.52	1.34	
12.0	0.51	0.69	0.69	0.69	0.45	0.68	0.93	0.94	0.94	0.59	0.86	0.99	0.99	0.99	0.87	1.24	1.40	1.40	1.40	1.40	1.18	
12.5	0.45	0.63	0.63	0.63	0.40	0.59	0.84	0.86	0.86	0.52	0.76	0.92	0.92	0.92	0.77	1.08	1.29	1.29	1.29	1.29	1.05	
13.0	0.39	0.56	0.58	0.58	0.36	0.52	0.75	0.80	0.80	0.46	0.68	0.86	0.86	0.86	0.68	0.95	1.19	1.19	1.19	1.19	0.94	
13.5	0.35	0.51	0.54	0.54	0.32	0.46	0.67	0.74	0.74	0.42	0.61	0.78	0.80	0.80	0.61	0.84	1.10	1.10	1.10	1.10	0.85	
14.0	0.31	0.46	0.50	0.50	0.29	0.41	0.60	0.69	0.69	0.37	0.54	0.71	0.75	0.75	0.55	0.74	1.03	1.03	1.03	1.03	0.76	
14.5						0.36	0.54	0.63	0.64	0.34	0.49	0.65	0.70	0.70	0.50	0.66	0.94	0.96	0.96	0.96	0.69	
15.0						0.32	0.48	0.58	0.60	0.30	0.44	0.59	0.65	0.65	0.46	0.59	0.86	0.89	0.89	0.89	0.63	
15.5											0.40	0.54	0.61	0.61	0.42	0.53	0.78	0.84	0.84	0.84	0.57	
16.0											0.36	0.50	0.56	0.57	0.38	0.48	0.72	0.78	0.78	0.78	0.53	
16.5											0.32	0.45	0.52	0.54	0.35	0.43	0.65	0.74	0.74	0.74	0.48	
17.0											0.29	0.41	0.48	0.50	0.32	0.39	0.59	0.69	0.69	0.69	0.44	
17.5											0.27	0.38	0.44	0.48	0.29	0.35	0.53	0.64	0.65	0.65	0.40	
18.0												0.32	0.48	0.59	0.62	0.37	0.48	0.59	0.62	0.62	0.37	

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3. W<sub>5</sub>: Load at a deflection of span/150.

### 2.3.7 DHS LOAD SPAN TABLES – LAPPED INTERNAL SPANS

Uniformly loaded bending capacities (kN/m)  $f_b W_{b,x}$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20					
	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	1B	2B	3B	FR	W <sub>s</sub>	
3.0																					
3.5																					
4.0																					
4.5																					
5.0																					
5.5	5.76	5.76	5.76	5.76	21.43	9.12	9.12	9.12	9.12	27.47	5.28	5.28	5.28	5.28	34.07						
6.0	5.14	5.14	5.14	5.14	16.50	8.05	8.05	8.05	8.05	21.16	4.77	4.77	4.77	4.77	26.24						
6.5	4.61	4.61	4.61	4.61	12.98	7.16	7.16	7.16	7.16	16.64	4.34	4.34	4.34	4.34	20.64						
7.0	4.16	4.16	4.16	4.16	10.39	6.40	6.40	6.40	6.40	13.32	3.96	3.96	3.96	3.96	16.52	5.86	5.86	5.86	5.86	30.26	
7.5	3.77	3.77	3.77	3.77	8.45	5.75	5.75	5.75	5.75	10.83	3.64	3.64	3.64	3.64	13.43	5.39	5.39	5.39	5.39	24.61	
8.0	3.43	3.43	3.43	3.43	6.96	5.19	5.19	5.19	5.19	8.92	3.35	3.35	3.35	3.35	11.07	4.98	4.98	4.98	4.98	20.27	6.07
8.5	3.14	3.14	3.14	3.14	5.80	4.71	4.71	4.71	4.71	7.44	3.10	3.10	3.10	3.10	9.23	4.62	4.62	4.62	4.62	16.90	5.64
9.0	2.88	2.88	2.88	2.88	4.89	4.29	4.29	4.29	4.29	6.27	2.87	2.87	2.87	2.87	7.77	4.29	4.29	4.29	4.29	14.24	5.27
9.5	2.65	2.65	2.65	2.65	4.15	3.92	3.92	3.92	3.92	5.33	2.67	2.67	2.67	2.67	6.61	4.15	4.15	4.15	4.15	12.10	4.93
10.0	2.44	2.44	2.44	2.44	3.56	3.60	3.60	3.60	3.60	4.57	2.49	2.49	2.49	2.49	5.66	3.85	3.85	3.85	3.85	10.38	4.62
10.5	2.26	2.26	2.26	2.26	3.08	3.27	3.27	3.27	3.27	3.94	2.33	2.33	2.33	2.33	4.89	3.57	3.57	3.57	3.57	8.96	4.34
11.0	2.10	2.10	2.10	2.10	2.67	2.98	2.98	2.98	2.98	3.43	2.18	2.18	2.18	2.18	4.25	3.33	3.33	3.33	3.33	7.80	4.09
11.5	1.95	1.95	1.95	1.95	2.34	2.69	2.73	2.73	2.73	3.00	2.05	2.05	2.05	2.05	3.72	3.10	3.10	3.10	3.10	6.82	3.86
12.0	1.79	1.82	1.82	1.82	2.06	2.41	2.51	2.51	2.51	2.64	1.92	1.92	1.92	1.92	3.28	2.90	2.90	2.90	2.90	6.00	3.65
12.5	1.61	1.70	1.70	1.70	1.82	2.16	2.31	2.31	2.31	2.34	1.81	1.81	1.81	1.81	2.90	2.72	2.72	2.72	2.72	5.31	3.45
13.0	1.44	1.59	1.59	1.59	1.62	1.93	2.13	2.13	2.13	2.08	1.71	1.71	1.71	1.71	2.58	2.55	2.55	2.55	2.55	4.72	3.27
13.5	1.29	1.49	1.49	1.49	1.44	1.73	1.98	1.98	1.98	1.85	1.61	1.61	1.61	1.61	2.30	2.40	2.40	2.40	2.40	4.22	3.11
14.0	1.15	1.40	1.40	1.40	1.29	1.54	1.84	1.84	1.84	1.66	1.52	1.52	1.52	1.52	2.06	2.20	2.26	2.26	2.26	3.78	2.95
14.5	1.04	1.31	1.31	1.31	1.17	1.37	1.71	1.71	1.71	1.49	1.44	1.44	1.44	1.44	1.85	2.00	2.13	2.13	2.13	3.40	2.81
15.0	0.94	1.22	1.24	1.24	1.05	1.22	1.60	1.60	1.60	1.35	1.36	1.37	1.37	1.37	1.68	1.81	2.01	2.01	2.01	3.07	2.68
15.5	0.85	1.12	1.16	1.16	0.95	1.10	1.50	1.50	1.50	1.23	1.23	1.30	1.30	1.30	1.52	1.64	1.90	1.90	1.90	2.78	2.55
16.0	0.77	1.03	1.09	1.09	0.87	0.99	1.39	1.41	1.41	1.12	1.12	1.23	1.23	1.23	1.38	1.49	1.80	1.80	1.80	2.53	2.44
16.5	0.70	0.95	1.02	1.02	0.80	0.89	1.28	1.32	1.32	1.03	1.02	1.17	1.17	1.17	1.26	1.36	1.71	1.71	1.71	2.31	2.26
17.0	0.64	0.88	0.96	0.96	0.73	0.81	1.18	1.25	1.25	0.95	0.93	1.12	1.12	1.12	1.15	1.24	1.62	1.62	1.62	2.11	2.06
17.5	0.59	0.81	0.91	0.91	0.67	0.73	1.09	1.18	1.18	0.87	0.85	1.07	1.07	1.07	1.05	1.14	1.50	1.54	1.54	1.93	1.88
18.0	0.53	0.75	0.85	0.86	0.62	0.66	1.01	1.11	1.11	0.81	0.78	1.02	1.02	1.02	0.97	1.05	1.40	1.46	1.46	1.78	1.73

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3. W<sub>s</sub>: Load at a deflection of span/150.

### 2.3.8 DHS LOAD SPAN TABLES – SINGLE SPANS

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13										
	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex						
3.0	65.4	76.4	77.0	77.1	247.9																					
3.5	57.3	70.8	71.5	71.6	182.1	80.2	99.4	100.5	100.6	227.3	73.2	85.4	86.2	86.2	397.2											
4.0	49.2	64.7	65.6	65.7	139.4	67.9	90.8	92.2	92.3	174.0	66.4	81.1	82.1	82.1	304.1	123.3	151.2	153.2	153.3	455.1	91.2	106.4	107.5	107.6	614.5	
4.5	41.5	58.5	59.6	59.6	110.1	55.9	82.0	83.4	83.6	137.5	59.5	76.5	77.7	77.7	240.2	110.0	142.6	144.9	145.0	359.5	84.2	102.3	103.7	103.8	485.5	
5.0	35.2	52.3	53.4	53.5	89.2	46.8	72.7	74.5	74.7	111.4	52.6	71.7	73.0	73.1	194.6	95.4	133.4	136.1	136.2	291.2	77.0	98.0	99.6	99.7	393.2	
5.5	29.9	46.1	47.3	47.4	73.7	39.9	62.8	64.7	64.9	92.0	45.9	66.7	68.2	68.3	160.8	81.7	124.0	126.9	127.1	240.7	69.9	93.4	95.3	95.4	325.0	
6.0	25.8	40.3	41.5	41.5	61.9	34.6	53.9	55.6	55.7	77.3	40.4	61.7	63.3	63.4	135.1	70.6	114.4	117.6	117.8	202.2	62.8	88.7	90.8	90.9	273.1	
6.5	22.5	35.4	36.6	36.7	52.8	30.4	46.9	48.3	48.4	65.9	35.9	56.6	58.4	58.5	115.1	61.9	103.8	107.7	107.9	172.3	55.8	83.8	86.1	86.2	232.7	
7.0	19.9	31.1	32.1	32.2	45.5	26.9	41.2	42.4	42.6	56.8	32.1	51.6	53.5	53.6	99.3	54.8	93.2	97.2	97.4	148.6	50.0	78.8	81.4	81.5	200.6	
7.5	17.8	27.6	28.4	28.5	39.6	24.1	36.6	37.6	37.7	49.5	28.7	46.7	48.6	48.8	86.5	49.0	82.9	86.9	87.1	129.4	45.0	73.8	76.6	76.7	174.7	
8.0						21.8	32.7	33.6	33.7	43.5	25.7	42.4	44.2	44.3	76.0	44.2	74.2	77.6	77.8	113.7	40.9	68.8	71.7	71.8	153.6	
8.5											23.2	38.7	40.3	40.4	67.3	40.2	66.9	69.9	70.1	100.7	37.3	63.9	66.9	67.0	136.0	
9.0											21.1	35.5	37.0	37.0	60.0	36.7	60.7	63.3	63.5	89.8	34.1	59.0	62.2	62.3	121.3	
9.5											19.3	32.7	34.0	34.1	53.9	33.8	55.3	57.7	57.8	80.6	31.0	54.4	57.4	57.6	108.9	
10.0											17.7	30.1	31.5	31.5	48.6	31.2	50.7	52.8	53.0	72.8	28.3	50.4	53.2	53.3	98.3	
10.5												22.3	36.9	38.5	38.6	55.2	28.8	46.7	48.6	48.7	66.0	26.0	46.9	49.4	49.6	89.1
11.0																26.5	43.2	44.8	45.0	60.1	24.0	43.7	46.1	46.2	81.2	
11.5																24.6	40.0	41.6	41.7	55.0	22.3	40.9	43.1	43.2	74.3	
12.0																					20.7	38.4	40.4	40.5	68.2	
12.5																					19.3	36.1	38.0	38.1	62.9	
13.0																										
13.5																										
14.0																										
14.5																										
15.0																										
15.5																										
16.0																										
16.5																										
17.0																										
17.5																										
18.0																										

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{e,c}$ : Elastic buckling capacity about the x-x axis.

### 2.3.8 DHS LOAD SPAN TABLES – SINGLE SPANS

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20										
	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$						
3.0																										
3.5																										
4.0																										
4.5																										
5.0	95.9	122.2	124.3	124.4	453.6	126.3	161.7	164.5	164.6	543.6	114.7	137.8	139.9	139.9	775.1	119.8	163.9	168.0	168.1	550.4	112.4	162.9	179.0	179.2	692.3	
5.5	86.9	116.5	118.9	119.0	374.9	114.2	154.2	157.4	157.5	449.2	106.8	133.3	135.6	135.7	640.6	98.6	150.0	154.9	155.1	413.4	101.5	155.6	173.4	173.5	603.1	
6.0	78.0	110.6	113.3	113.4	315.0	102.2	146.3	149.9	150.1	377.5	98.7	128.5	131.2	131.3	538.3	89.5	142.8	148.1	148.3	363.3	84.0	140.6	161.6	161.8	469.5	
6.5	69.3	104.5	107.5	107.6	268.4	89.7	138.2	142.2	142.4	321.6	90.6	123.5	126.5	126.6	458.6	81.7	135.6	141.2	141.4	321.8	76.5	133.0	155.5	155.7	418.8	
7.0	61.9	98.3	101.5	101.7	231.4	78.8	130.0	134.3	134.5	277.3	82.7	118.3	121.6	121.8	395.4	109.2	157.0	161.5	161.7	474.5	69.7	125.5	149.3	149.5	375.9	
7.5	55.7	92.1	95.5	95.7	201.6	69.9	121.6	126.3	126.4	241.6	74.8	113.0	116.6	116.8	344.5	87.8	121.0	127.3	127.5	257.6	63.8	117.9	143.0	143.2	339.2	
8.0	50.0	85.9	89.5	89.6	177.2	62.6	113.3	118.2	118.4	212.3	68.0	107.6	111.5	111.7	302.7	62.0	113.8	120.3	120.5	232.5	58.6	110.5	136.7	136.9	307.7	
8.5	45.0	79.7	83.5	83.6	156.9	56.4	105.1	110.1	110.3	188.1	62.2	102.1	106.3	106.5	268.2	57.0	106.6	113.3	113.6	210.9	54.1	103.0	130.4	130.6	280.3	
9.0	40.7	73.5	77.5	77.7	140.0	51.1	96.8	102.1	102.3	167.7	57.1	96.7	101.1	101.2	239.2	48.8	93.2	99.6	99.8	175.8	50.2	96.4	124.1	124.3	256.5	
9.5	37.1	67.8	71.6	71.7	125.6	46.6	88.2	93.8	94.0	150.5	52.7	91.2	95.8	96.0	214.7	45.3	87.5	93.4	93.7	161.4	46.7	90.4	117.8	118.1	235.5	
10.0	33.9	62.8	66.2	66.4	113.4	42.7	80.7	85.7	86.0	135.9	48.7	85.8	90.6	90.8	193.7	42.3	82.3	87.9	88.1	148.8	43.5	85.0	111.6	111.9	217.1	
10.5	31.2	58.3	61.5	61.7	102.8	39.3	74.2	78.8	79.0	123.2	45.3	80.4	85.4	85.6	175.7	39.5	77.5	82.8	83.0	137.6	40.7	80.0	105.3	105.6	200.7	
11.0	28.8	54.4	57.3	57.4	93.7	36.3	68.5	72.7	72.8	112.3	41.9	75.1	80.2	80.4	160.1	37.1	72.7	78.2	78.4	127.5	38.2	74.9	99.5	99.7	186.1	
11.5	26.7	50.3	53.4	53.6	85.7	33.6	63.5	67.3	67.4	102.7	38.8	70.4	75.1	75.3	146.5	34.9	68.3	73.5	73.6	118.6	35.9	70.4	94.2	94.4	173.0	
12.0	24.8	46.8	49.6	49.7	78.7	31.3	59.1	62.5	62.7	94.3	36.0	66.1	70.6	70.7	134.5	32.9	64.3	69.1	69.3	110.6	33.9	66.2	89.3	89.6	161.3	
12.5	23.2	43.6	46.2	46.3	72.5	29.2	55.2	58.3	58.4	86.9	33.6	62.2	66.4	66.6	124.0	31.0	60.7	65.2	65.3	103.3	32.0	62.4	84.9	85.1	150.7	
13.0	21.7	40.8	43.1	43.3	67.1	27.3	51.6	54.5	54.6	80.4	31.4	58.7	62.7	62.8	114.6	29.3	57.4	61.6	61.7	96.7	30.3	59.0	80.7	80.9	141.2	
13.5						25.6	48.5	51.1	51.2	74.5	29.4	55.6	59.3	59.4	106.3	27.8	54.3	58.3	58.4	90.8	28.7	55.9	76.5	76.7	132.5	
14.0						24.1	45.6	48.0	48.1	69.3	27.6	52.6	56.1	56.3	98.8	26.4	51.5	55.3	55.4	85.4	27.3	53.0	72.5	72.7	124.6	
14.5											26.0	50.0	53.3	53.4	92.1											
15.0											24.6	47.5	50.6	50.7	86.1											
15.5											23.2	45.2	48.2	48.3	80.6											
16.0																										
16.5																										
17.0																										
17.5																										
18.0																										

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{ex}$ : Elastic buckling capacity about the x-x axis.

### 2.3.8 DHS LOAD SPAN TABLES – END SPANS

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 150/12				DHS 150/15				DHS 200/12				DHS 200/15				DHS 200/18				DHS 250/13																	
	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex													
3.0	64.5	78.3	85.3	85.6	506.0	90.4	110.1	120.1	120.6	631.5	78.8	89.6	95.1	95.5	1103.3	101.7	121.0	131.3	132.1	1014.6	134.0	159.8	173.6	174.7	1213.1	96.2	109.7	116.3	117.1	1638.0								
3.5	56.2	73.2	82.2	82.6	371.7	78.7	102.8	115.7	116.2	464.0	72.1	85.7	93.0	93.5	810.6	91.8	115.1	128.0	129.0	776.8	120.8	151.9	169.2	170.6	928.8	89.2	105.8	114.3	115.3	1254.0								
4.0	48.0	67.7	78.7	79.2	284.6	66.0	94.9	110.7	111.5	355.2	65.1	81.5	90.7	91.3	620.6	81.7	108.7	124.4	125.5	613.8	106.8	143.4	164.4	166.0	733.8	81.9	101.6	112.0	113.3	990.8								
4.5	40.4	62.0	74.9	75.5	224.8	54.2	86.8	105.4	106.2	280.6	58.0	77.1	88.1	88.9	490.3	71.8	102.0	120.4	121.8	497.1	92.1	134.5	159.1	161.1	594.4	74.5	97.1	109.5	111.1	802.6								
5.0	34.1	56.2	70.9	71.6	182.1	45.4	78.5	99.7	100.7	227.3	51.0	72.3	85.3	86.3	397.2	62.3	95.2	116.2	117.8	410.8	78.6	125.3	153.5	155.8	491.2	67.1	92.4	106.8	108.7	663.3								
5.5	29.0	50.4	66.8	67.6	150.5	38.8	69.7	93.8	94.9	187.9	44.4	67.5	82.3	83.4	328.2	53.7	88.2	111.8	113.6	345.2	68.0	116.0	147.6	150.1	412.8	59.7	87.5	104.0	106.1	557.3								
6.0	25.0	44.7	62.5	63.4	126.5	33.6	60.7	87.7	88.9	157.8	39.0	62.6	79.2	80.4	275.8	47.0	81.2	107.2	109.2	294.1	59.6	106.0	141.4	144.2	351.7	53.0	82.5	101.0	103.4	474.9								
6.5	21.9	39.6	58.2	59.1	107.7	29.6	53.0	81.4	82.8	134.5	34.7	57.6	75.9	77.3	235.0	41.5	74.2	102.4	104.6	253.6	52.9	95.6	135.1	138.1	303.2	47.4	77.4	97.8	100.6	409.5								
7.0	19.3	35.2	53.8	54.8	92.9	26.2	46.8	75.2	76.6	116.0	31.0	52.7	72.6	74.1	202.6	37.0	67.3	97.5	99.9	220.9	47.3	85.6	128.5	131.8	264.1	42.7	72.3	94.5	97.6	356.7								
7.5	17.3	31.3	49.5	50.5	80.9	23.5	41.7	68.2	69.9	101.0	27.6	47.9	69.1	70.8	176.5	33.3	60.9	92.6	95.1	194.2	42.7	76.8	121.9	125.4	232.2	38.7	67.2	91.2	94.6	313.5								
8.0	15.6	28.0	45.1	46.3	71.1	21.3	37.5	61.3	63.1	88.8	24.7	43.5	65.6	67.4	155.1	30.2	54.9	87.6	90.3	172.0	38.8	69.4	115.2	118.8	205.6	35.3	62.2	87.7	91.4	277.7								
8.5	14.1	25.3	41.1	42.2	63.0	19.4	33.9	55.1	56.7	78.6	22.3	39.8	62.1	64.0	137.4	27.5	49.9	82.6	85.4	153.4	35.3	63.2	108.1	112.3	183.4	32.0	57.2	84.2	88.2	247.7								
9.0	12.9	22.9	37.7	38.6	56.2	17.7	30.9	49.9	51.3	70.1	20.3	36.5	58.6	60.5	122.5	25.2	45.5	77.6	80.5	137.7	32.2	57.8	100.5	104.9	164.6	29.2	52.8	80.6	84.9	222.3								
9.5	11.8	21.0	34.3	35.3	50.4	16.3	28.3	45.4	46.6	62.9	18.6	33.7	55.1	57.1	110.0	23.3	41.8	72.6	75.6	124.2	29.4	53.2	93.2	97.6	148.6	26.7	48.9	77.0	81.5	200.6								
10.0	10.9	19.2	31.4	32.2	45.5	15.1	26.1	41.5	42.6	56.8	17.1	31.2	51.6	53.7	99.3	21.6	38.5	67.6	70.8	112.7	27.1	49.2	85.9	90.4	134.7	24.5	45.4	73.5	78.2	182.0								
10.5						14.0	24.1	38.1	39.2	51.5	15.8	28.8	48.1	50.3	90.0	19.9	35.7	63.0	65.9	102.7	25.0	45.6	79.4	83.4	122.8	22.6	42.3	69.9	74.8	165.8								
11.0						13.0	22.4	35.2	36.1	46.9	14.6	26.6	44.9	47.0	82.0	18.5	33.2	58.4	61.4	93.9	23.1	42.5	73.6	77.2	112.3	20.9	39.6	66.3	71.5	151.7								
11.5											13.6	24.6	42.0	43.9	75.0	17.1	30.9	54.3	57.0	86.3	21.5	39.7	68.4	71.7	103.2	19.5	37.1	62.8	68.1	139.3								
12.0											12.7	22.9	39.4	41.2	68.9	16.0	28.9	50.6	53.1	79.5	20.0	37.3	63.9	66.8	95.1	18.1	34.9	59.2	64.8	128.4								
12.5											11.9	21.4	37.1	38.7	63.5	14.9	27.2	47.3	49.6	73.5	18.7	35.0	59.8	62.4	87.9	17.0	32.6	55.8	61.5	118.7								
13.0											11.2	20.1	35.0	36.5	58.7	14.0	25.6	44.3	46.4	68.2	17.5	33.0	56.1	58.5	81.5	15.9	30.5	52.8	58.1	110.0								
13.5																13.1	24.1	41.7	43.6	63.4	16.3	31.2	52.8	54.9	75.8	14.9	28.6	50.0	55.0	102.3								
14.0																					15.2	29.6	49.7	51.7	70.6	14.1	26.9	47.4	52.2	95.4								
14.5																					14.2	28.0	47.0	48.8	66.0	13.3	25.4	45.0	49.6	89.1								
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1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{e,c}$ : Elastic buckling capacity about the x-x axis.



### 2.3.8 DHS LOAD SPAN TABLES – END SPANS

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20									
	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$					
3.0																									
3.5																									
4.0	111.1	131.8	142.4	143.7	1446.7	146.7	174.3	188.4	190.3	1733.4	127.7	144.8	153.1	154.6	2471.8										
4.5	102.0	126.6	139.5	141.2	1143.0	134.5	167.4	184.6	187.0	1369.6	120.0	140.5	150.9	152.8	1953.0										
5.0	92.7	121.0	136.4	138.5	925.8	122.0	159.9	180.5	183.4	1109.4	111.9	136.0	148.4	150.7	1581.9	148.2	180.2	196.8	199.9	1898.3	153.0	186.4	203.7	210.7	2769.4
5.5	83.4	115.2	133.1	135.5	765.1	109.5	152.1	176.0	179.4	916.8	103.6	131.1	145.8	148.5	1307.4	137.2	173.8	193.2	196.9	1568.8	141.5	179.7	200.0	208.3	2288.8
6.0	74.1	109.1	129.6	132.4	642.9	97.0	143.9	171.3	175.2	770.4	95.2	126.0	142.9	146.1	1098.5	126.0	167.0	189.4	193.8	1318.2	129.9	172.6	196.1	205.7	1923.2
6.5	65.7	102.8	125.8	129.0	547.8	84.4	135.5	166.3	170.8	656.4	86.9	120.6	139.9	143.5	936.0	114.9	159.9	185.4	190.4	1123.2	118.3	165.2	191.8	203.0	1638.7
7.0	58.7	96.4	121.9	125.5	472.3	74.2	127.0	161.1	166.1	566.0	78.6	115.1	136.7	140.8	807.1	103.7	152.6	181.1	186.8	968.5	106.8	157.5	187.4	200.0	1412.9
7.5	52.6	90.0	117.8	121.8	411.5	65.8	118.4	155.6	161.2	493.0	71.0	109.5	133.3	137.9	703.0	93.6	145.1	176.7	183.0	843.7	96.3	149.7	182.7	196.9	1230.8
8.0	47.0	83.6	113.6	118.0	361.6	58.9	109.8	150.0	156.2	433.3	64.6	103.8	129.8	134.9	617.9	84.9	137.5	172.0	179.0	741.5	87.3	141.8	177.9	193.7	1081.8
8.5	42.3	77.3	109.3	114.0	320.3	53.1	101.3	144.2	150.9	383.8	59.0	98.1	126.2	131.8	547.3	77.4	129.8	167.2	174.9	656.8	79.5	133.8	172.8	190.3	958.2
9.0	38.3	71.0	104.9	110.0	285.7	48.1	92.3	138.3	145.6	342.4	54.2	92.4	122.4	128.6	488.2	70.1	122.1	162.2	170.7	585.9	72.0	125.9	167.6	186.7	854.7
9.5	34.9	65.5	100.4	105.9	256.4	43.9	84.0	132.3	140.1	307.3	49.9	86.7	118.6	125.2	438.2	63.8	114.5	157.2	166.3	525.8	65.6	117.9	162.3	183.1	767.1
10.0	31.9	60.6	95.9	101.8	231.4	40.2	76.8	126.3	134.6	277.3	46.2	81.0	114.7	121.8	395.4	58.4	107.0	152.0	161.8	474.5	60.0	110.1	156.9	179.3	692.3
10.5	29.4	56.2	91.4	97.6	209.9	37.0	70.6	120.3	129.0	251.5	42.8	75.4	110.8	118.4	358.7	53.7	99.4	146.7	157.2	430.4	55.2	102.3	151.4	175.4	627.9
11.0	27.1	52.1	86.9	93.4	191.2	34.2	65.2	114.2	123.4	229.2	39.4	70.4	106.8	114.8	326.8	49.5	92.8	141.4	152.5	392.2	51.0	95.4	145.9	171.3	572.2
11.5	25.1	48.2	82.4	89.2	175.0	31.7	60.3	108.2	117.7	209.7	36.5	65.9	102.7	111.2	299.0	45.9	86.8	136.0	147.7	358.8	47.3	89.2	140.3	167.3	523.5
12.0	23.4	44.7	78.0	84.9	160.7	29.5	56.1	102.2	112.1	192.6	33.9	61.9	98.7	107.6	274.6	42.7	81.4	130.6	142.9	329.5	44.0	83.6	134.7	163.1	480.8
12.5	21.8	41.7	73.5	80.8	148.1	27.5	52.3	96.1	106.5	177.5	31.6	58.2	94.7	104.0	253.1	39.8	76.2	125.2	138.1	303.7	41.0	78.4	129.1	158.9	443.1
13.0	20.4	38.9	69.3	76.6	136.9	25.7	48.9	89.7	100.9	164.1	29.5	54.9	90.6	100.3	234.0	37.3	71.2	119.8	133.2	280.8	38.4	73.2	123.5	154.6	409.6
13.5	19.1	36.5	65.4	72.4	127.0	24.1	45.8	84.0	95.1	152.1	27.7	51.9	86.6	96.6	217.0	34.9	66.7	114.5	128.3	260.4	36.0	68.6	117.9	150.3	379.8
14.0	18.0	34.3	61.9	68.6	118.0	22.7	43.1	78.8	89.2	141.5	26.0	49.1	82.7	93.0	201.7	32.8	62.6	109.2	123.4	242.1	33.9	64.4	112.4	145.9	353.2
14.5	16.9	32.3	58.7	65.0	110.0	21.4	40.6	74.2	83.9	131.9	24.5	46.6	78.6	89.3	188.1	31.0	58.9	103.7	118.6	225.7	31.9	60.6	106.8	141.5	329.3
15.0	16.0	30.4	55.7	61.8	102.8	20.2	38.3	69.9	79.1	123.2	23.1	44.3	74.8	85.7	175.7	29.2	55.6	98.6	113.7	210.9	30.2	57.2	101.5	137.1	307.7
15.5	15.1	28.8	52.8	58.8	96.3	19.1	36.2	66.1	74.8	115.4	21.9	41.9	71.3	82.1	164.6	27.6	52.5	93.9	108.9	197.5	28.6	54.1	96.6	132.7	288.1
16.0	14.3	27.2	50.0	56.0	90.4	18.1	34.3	62.6	70.8	108.3	20.7	39.6	68.0	78.4	154.4	26.2	49.8	89.5	104.0	185.3	27.1	51.2	92.1	128.3	270.4
16.5	13.6	25.8	47.4	53.3	85.0	17.1	32.6	59.3	67.1	101.8	19.7	37.5	65.0	75.0	145.2	24.9	47.2	85.5	99.3	174.3	25.7	48.6	87.9	123.9	254.3
17.0	12.9	24.6	45.0	50.6	80.0	16.3	31.0	56.4	63.7	95.9	18.7	35.6	62.2	71.7	136.8	23.7	44.8	81.7	95.0	164.2	24.5	46.2	84.0	119.5	239.5
17.5						15.5	29.5	53.6	60.6	90.5	17.8	33.9	59.5	68.7	129.1	22.5	42.7	78.2	91.0	154.9	23.3	43.9	80.4	115.1	226.0
18.0						14.7	28.1	51.1	57.7	85.6	17.0	32.3	57.1	65.9	122.0	21.5	40.7	74.5	87.2	146.4	22.2	41.9	76.5	110.8	213.6

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{e,c}$ : Elastic buckling capacity about the x-x axis.





### 2.3.8 DHS LOAD SPAN TABLES – LAPPED END SPAN

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 150/12				DHS 150/15				DHS 200/12				DHS 200/15				DHS 200/18				DHS 250/13					
	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	
3.0	64.7	78.4	85.8	86.1	536.2	90.7	110.2	120.8	121.3	609.2	78.9	89.6	95.3	95.8	1169.1											
3.5	56.5	73.3	82.8	83.2	393.9	79.1	102.9	116.6	117.2	491.7	72.2	85.8	93.2	94.0	858.9											
4.0	48.3	67.8	79.5	80.0	301.6	66.6	95.1	111.9	112.6	376.4	65.3	81.6	90.9	91.9	657.6	92.1	115.2	128.3	129.7	823.2						
4.5	40.7	62.1	75.9	76.5	238.3	54.8	87.0	106.7	107.7	297.4	58.2	77.1	88.4	89.6	519.6	82.1	108.8	124.8	126.5	650.4						
5.0	34.4	56.3	72.1	72.8	193.0	46.0	78.8	101.3	102.4	240.9	51.3	72.4	85.7	87.1	420.9	72.3	102.2	120.9	123.0	526.8						
5.5	29.3	50.5	68.1	68.9	159.5	39.3	70.0	95.6	96.8	199.1	44.7	67.6	82.8	84.4	347.8	62.8	95.3	116.8	119.2	435.4						
6.0	25.3	44.8	63.9	64.9	134.0	34.1	61.0	89.7	91.1	167.3	39.3	62.7	79.7	81.5	292.2	54.2	88.4	112.5	115.2	365.8						
6.5	22.1	39.7	59.7	60.8	114.2	30.0	53.3	83.7	85.2	142.5	34.9	57.8	76.5	78.6	249.0	47.4	81.4	108.0	111.0	311.7						
7.0	19.6	35.3	55.5	56.6	98.4	26.7	47.0	77.6	79.2	122.9	31.2	52.9	73.2	75.5	214.7	41.9	74.5	103.3	106.6	268.8						
7.5	17.5	31.4	51.3	52.4	85.7	24.0	41.9	71.1	73.0	107.0	27.8	48.1	69.8	72.3	187.0	37.5	67.6	98.5	102.1	234.1						
8.0	15.8	28.1	47.1	48.3	75.4	21.7	37.6	64.4	66.3	94.1	25.0	43.7	66.4	69.0	164.4	33.7	61.1	93.7	97.5	205.8						
8.5	14.3	25.4	43.0	44.2	66.7	19.8	34.1	58.0	59.8	83.3	22.6	39.9	63.0	65.7	145.6	30.6	55.1	88.8	92.8	182.3						
9.0	13.1	23.0	39.4	40.5	59.5	18.2	31.0	52.5	54.1	74.3	20.5	36.7	59.5	62.4	129.9	27.9	50.0	83.9	88.0	162.6						
9.5	12.1	21.1	36.1	37.2	53.4	16.8	28.4	47.8	49.2	66.7	18.8	33.8	56.0	59.1	116.5	25.6	45.7	79.0	83.3	145.9						
10.0	11.1	19.3	33.0	34.0	48.2	15.6	26.2	43.7	45.0	60.2	17.3	31.3	52.6	55.7	105.2	23.5	41.9	74.1	78.5	131.7						
10.5	10.3	17.8	30.3	31.2	43.7	14.5	24.2	40.1	41.3	54.6	16.0	28.9	49.2	52.4	95.4	21.6	38.7	69.2	73.8	119.4						
11.0						13.5	22.5	37.0	38.1	49.7	14.8	26.7	45.9	49.2	86.9	20.0	35.8	64.6	69.1	108.8						
11.5						12.4	21.0	34.3	35.2	45.5	13.8	24.7	43.0	46.0	79.5	18.5	33.3	60.1	64.5	99.5						
12.0											12.9	23.0	40.4	43.1	73.0	17.2	31.1	55.9	60.1	91.4						
12.5											12.1	21.5	38.0	40.6	67.3	16.0	29.1	52.1	56.0	84.2						
13.0											11.3	20.1	35.8	38.2	62.2	15.0	27.3	48.8	52.3	77.9						
13.5											10.6	18.9	33.9	36.1	57.7	14.0	25.7	45.7	48.9	72.2						
14.0																13.2	24.2	43.0	45.9	67.2						
14.5																12.4	22.9	40.6	43.2	62.6						
15.0																14.2	28.1	48.8	51.4	69.9						
15.5																13.3	26.6	46.3	48.6	65.5						
16.0																12.5	25.2	43.9	46.0	61.5						
16.5																11.3	21.6	39.3	45.0	78.1						
17.0																										
17.5																										
18.0																										

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{c,el}$ : Elastic buckling capacity about the x-x axis.

### 2.3.8 DHS LOAD SPAN TABLES – LAPPED END SPAN

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20									
	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex	1B	2B	3B	FR	ØcNex					
3.0																									
3.5																									
4.0	111.3	131.9	142.5	144.3	1533.0	146.9	174.4	188.5	191.0	1836.9	127.8	144.8	153.2	155.1	2619.3										
4.5	102.2	126.7	139.7	141.9	1211.3	134.7	167.5	184.8	187.9	1451.4	120.1	140.6	151.0	153.3	2069.6										
5.0	92.9	121.1	136.6	139.3	981.1	122.2	160.1	180.7	184.5	1175.6	112.0	136.0	148.6	151.4	1676.3										
5.5	83.6	115.3	133.3	136.5	810.8	109.7	152.2	176.3	180.8	971.6	103.8	131.2	145.9	149.2	1385.4	137.4	173.9	193.4	197.9	1662.5	141.7	179.8	200.3	209.1	2425.4
6.0	74.3	109.2	129.8	133.5	681.3	97.2	144.1	171.6	176.8	816.4	95.4	126.1	143.1	147.0	1164.1	126.2	167.1	189.7	194.9	1396.9	130.1	172.7	196.3	206.7	2038.0
6.5	65.9	102.9	126.1	130.3	580.5	84.6	135.7	166.6	172.6	695.6	87.1	120.7	140.1	144.5	991.9	115.1	160.0	185.7	191.7	1190.3	118.6	165.3	192.1	204.1	1736.5
7.0	58.9	96.6	122.2	127.0	500.5	74.4	127.2	161.4	168.1	599.8	78.9	115.3	136.9	141.9	855.2	104.0	152.7	181.4	188.3	1026.3	107.1	157.7	187.7	201.3	1497.3
7.5	52.8	90.2	118.1	123.5	436.0	66.0	118.6	156.0	163.4	522.5	71.2	109.7	133.5	139.2	745.0	93.8	145.2	177.0	184.7	894.0	96.5	149.9	183.1	198.4	1304.3
8.0	47.2	83.8	113.9	119.8	383.2	59.1	110.0	150.4	158.6	459.2	64.7	104.0	130.1	136.4	654.8	85.2	137.7	172.4	181.0	785.8	87.6	142.0	178.2	195.3	1146.3
8.5	42.4	77.5	109.6	116.1	339.4	53.2	101.5	144.7	153.6	406.7	59.1	98.2	126.5	133.4	580.0	77.6	130.0	167.6	177.1	696.0	79.8	134.0	173.3	192.0	1015.4
9.0	38.4	71.2	105.3	112.2	302.8	48.3	92.6	138.8	148.5	362.8	54.3	92.5	122.8	130.3	517.4	70.3	122.3	162.7	173.0	620.8	72.2	126.1	168.1	188.7	905.7
9.5	35.0	65.6	100.8	108.3	271.7	44.0	84.2	132.9	143.2	325.6	50.1	86.8	119.0	127.1	464.3	64.0	114.7	157.6	168.8	557.2	65.8	118.2	162.8	185.2	812.9
10.0	32.0	60.7	96.4	104.3	245.2	40.3	77.0	126.9	137.9	293.9	46.3	81.2	115.1	123.9	419.0	58.6	107.2	152.5	164.5	502.9	60.2	110.4	157.5	181.5	733.6
10.5	29.5	56.4	91.9	100.2	222.4	37.1	70.8	120.9	132.5	266.5	42.9	75.6	111.2	120.6	380.1	53.8	99.7	147.3	160.1	456.1	55.4	102.6	152.0	177.8	665.4
11.0	27.2	52.2	87.4	96.1	202.7	34.3	65.3	114.9	127.1	242.9	39.6	70.6	107.2	117.2	346.3	49.7	93.0	142.0	155.6	415.6	51.1	95.6	146.5	174.0	606.3
11.5	25.2	48.3	82.9	92.1	185.4	31.8	60.5	108.9	121.6	222.2	36.6	66.1	103.2	113.7	316.8	46.1	87.0	136.6	151.0	380.2	47.4	89.4	140.9	170.1	554.7
12.0	23.5	44.9	78.5	88.0	170.3	29.6	56.2	102.9	116.1	204.1	34.0	62.0	99.2	110.2	291.0	42.8	81.5	131.3	146.4	349.2	44.1	83.8	135.4	166.1	509.5
12.5	21.9	41.8	74.0	83.9	156.9	27.6	52.4	96.8	110.7	188.1	31.7	58.4	95.2	106.7	268.2	39.9	76.4	125.9	141.7	321.8	41.1	78.6	129.8	162.1	469.5
13.0	20.5	39.0	69.8	79.9	145.1	25.8	49.0	90.5	105.3	173.9	29.6	55.1	91.2	103.2	247.9	37.4	71.4	120.5	137.0	297.5	38.5	73.4	124.2	157.9	434.1
13.5	19.2	36.6	65.9	75.8	134.5	24.2	46.0	84.7	99.8	161.2	27.8	52.0	87.2	99.6	229.9	35.0	66.9	115.2	132.3	275.9	36.1	68.7	118.7	153.8	402.5
14.0	18.0	34.4	62.4	71.8	125.1	22.8	43.2	79.5	94.1	149.9	26.1	49.3	83.2	96.1	213.8	32.9	62.8	109.9	127.5	256.5	34.0	64.6	113.2	149.6	374.3
14.5	17.0	32.3	59.2	68.1	116.6	21.4	40.7	74.8	88.5	139.7	24.6	46.7	79.2	92.5	199.3	31.0	59.1	104.5	122.8	239.1	32.0	60.8	107.6	145.3	348.9
15.0	16.0	30.5	56.2	64.7	109.0	20.2	38.4	70.5	83.4	130.6	23.2	44.4	75.4	89.0	186.2	29.3	55.7	99.4	118.1	223.5	30.3	57.3	102.2	141.1	326.0
15.5	15.2	28.8	53.3	61.6	102.0	19.1	36.3	66.7	78.8	122.3	21.9	42.0	71.8	85.5	174.4	27.7	52.7	94.6	113.4	209.3	28.6	54.2	97.3	136.8	305.3
16.0	14.4	27.3	50.4	58.7	95.8	18.1	34.4	63.1	74.6	114.8	20.8	39.7	68.5	82.0	163.7	26.3	49.9	90.2	108.7	196.4	27.2	51.3	92.8	132.5	286.5
16.5	13.6	25.9	47.8	56.0	90.0	17.2	32.7	59.8	70.7	107.9	19.7	37.6	65.4	78.4	153.9	25.0	47.3	86.1	104.0	184.7	25.8	48.7	88.6	128.2	269.4
17.0	13.0	24.6	45.4	53.3	84.8	16.3	31.0	56.8	67.2	101.6	18.7	35.7	62.6	75.0	145.0	23.7	45.0	82.3	99.4	174.0	24.5	46.3	84.6	124.0	253.8
17.5	12.3	23.4	43.1	50.7	80.0	15.5	29.6	54.1	63.9	95.9	17.8	34.0	60.0	71.9	136.8	22.6	42.8	78.8	95.2	164.2	23.4	44.1	81.0	119.7	239.5
18.0	11.8	22.3	41.1	48.3	75.7	14.8	28.2	51.5	60.9	90.7	17.0	32.4	57.5	69.0	129.3	21.5	40.8	75.1	91.3	155.2	22.3	42.0	77.2	115.5	226.4

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{e,c}$ : Elastic buckling capacity about the x-x axis.



### 2.3.8 DHS LOAD SPAN TABLES – LAPPED INTERNAL SPANS

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 150/12			DHS 150/15			DHS 200/12			DHS 200/15			DHS 200/18			DHS 250/13														
	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$										
3.0																														
3.5																														
4.0	51.1	70.8	80.1	87.4	605.3	70.9	99.5	112.6	123.0	755.5	67.5	83.8	90.7	96.6	1319.9															
4.5	43.4	65.6	76.6	85.5	478.2	59.0	92.1	107.7	120.4	596.9	60.8	79.8	88.2	95.4	1042.8															
5.0	37.1	60.3	73.0	83.5	387.4	49.5	84.5	102.5	117.5	483.5	54.1	75.5	85.4	94.1	844.7	76.2	106.6	120.5	132.9	1057.3	98.7	140.6	159.2	175.8	1264.2	77.3	99.7	108.9	117.6	1706.9
5.5	31.5	54.9	69.1	81.3	320.1	42.3	76.9	97.1	114.5	399.6	47.5	71.1	82.4	92.7	698.1	66.8	100.3	116.3	130.9	873.8	85.1	132.2	153.6	173.2	1044.7	70.1	95.4	106.1	116.5	1410.7
6.0	27.2	49.6	65.2	79.0	269.0	36.7	68.7	91.5	111.2	335.7	41.8	66.5	79.3	91.2	586.6	58.2	93.9	111.9	128.8	734.2	73.7	123.7	147.8	170.4	877.9	63.0	90.9	103.2	115.2	1185.3
6.5	23.8	44.4	61.2	76.6	229.2	32.3	60.5	85.8	107.7	286.1	37.1	62.0	76.1	89.6	499.8	50.9	87.4	107.4	126.5	625.6	64.7	115.0	141.7	167.3	748.0	56.1	86.2	100.1	113.9	1010.0
7.0	21.1	39.7	57.1	74.0	197.6	28.7	53.4	80.0	104.1	246.7	33.2	57.4	72.8	87.9	430.9	45.0	80.9	102.7	124.1	539.4	57.4	105.7	135.4	164.1	645.0	50.2	81.5	96.8	112.5	870.8
7.5	18.9	35.7	53.1	71.4	172.1	25.8	47.6	74.2	100.3	214.9	29.9	52.8	69.4	86.1	375.4	40.1	74.5	97.9	121.6	469.9	51.4	96.2	129.0	160.7	561.8	45.2	76.7	93.4	110.9	758.6
8.0	17.0	31.9	49.1	68.6	151.3	23.4	42.8	67.8	96.4	188.8	26.8	48.3	65.9	84.2	329.9	36.1	68.1	93.0	118.9	413.0	46.1	86.9	122.5	157.2	493.8	41.0	71.8	89.9	109.3	666.7
8.5	15.4	28.8	45.1	65.9	134.0	21.3	38.8	61.6	92.5	167.3	24.2	44.2	62.4	82.2	292.2	32.8	62.2	88.1	116.1	365.8	41.5	78.6	115.9	153.5	437.4	37.4	67.0	86.4	107.7	590.6
9.0	14.1	26.2	41.4	63.0	119.5	19.6	35.4	55.9	88.4	149.2	22.0	40.6	58.9	80.2	260.7	29.9	56.4	83.1	113.3	326.3	37.7	71.5	109.1	149.7	390.1	34.3	62.3	82.8	105.9	526.8
9.5	13.0	23.9	38.2	60.2	107.3	18.1	32.4	51.1	84.3	133.9	20.1	37.5	55.5	78.1	234.0	27.3	51.5	78.2	110.3	292.9	34.3	65.5	101.8	145.7	350.1	31.2	57.6	79.1	104.1	472.8
10.0	12.0	22.0	35.1	57.3	96.8	16.8	29.9	47.0	80.2	120.8	18.5	34.8	52.1	76.0	211.1	25.0	47.3	73.4	107.3	264.3	31.4	60.3	94.6	141.7	316.0	28.5	53.3	75.4	102.3	426.7
10.5	11.1	20.3	32.3	54.4	87.8	15.6	27.7	43.4	76.0	109.6	17.1	32.3	48.6	73.8	191.5	23.0	43.6	68.5	104.2	239.7	28.9	55.7	87.6	137.5	286.6	26.2	49.5	71.7	100.3	387.0
11.0	10.4	18.8	29.9	51.5	80.0	14.6	25.7	40.2	71.5	99.9	15.9	30.1	45.4	71.6	174.5	21.3	40.4	64.0	101.1	218.4	26.7	51.8	81.1	133.3	261.1	24.2	46.2	68.1	98.3	352.6
11.5	9.7	17.5	27.7	48.7	73.2	13.3	24.0	37.4	66.9	91.4	14.8	27.9	42.5	69.3	159.6	19.7	37.6	59.5	97.9	199.8	24.7	48.3	75.4	129.0	238.9	22.4	43.2	64.4	96.3	322.6
12.0	9.1	16.4	25.8	45.8	67.2	12.2	22.5	34.9	62.3	83.9	13.8	26.0	40.0	67.0	146.6	18.3	35.1	55.4	94.6	183.5	23.0	45.1	70.3	124.7	219.4	20.8	40.5	60.9	94.2	296.3
12.5	8.6	15.3	24.1	43.0	61.9	11.3	21.2	32.7	58.0	77.3	12.8	24.3	37.6	64.7	135.1	17.1	32.8	51.7	91.4	169.1	21.4	42.3	65.8	120.3	202.2	19.4	38.1	57.2	92.1	273.1
13.0	8.1	14.4	22.6	40.5	57.3	10.4	19.9	30.8	54.2	71.5	12.0	22.7	35.5	62.4	124.9	16.0	30.8	48.4	88.1	156.4	20.0	39.6	61.7	115.9	187.0	18.1	35.9	54.0	90.0	252.5
13.5	7.7	13.6	21.3	38.2	53.1	9.7	18.8	29.0	50.7	66.3	11.3	21.3	33.6	60.1	115.8	15.0	29.0	45.5	84.8	145.0	18.7	37.1	58.1	111.5	173.4	17.0	33.7	51.0	87.8	234.1
14.0	7.3	12.8	20.0	36.0	49.4	9.0	17.9	27.4	47.6	61.6	10.6	20.1	31.8	57.8	107.7	14.0	27.4	42.8	81.5	134.8	17.5	34.9	54.8	106.4	161.2	16.0	31.7	48.3	85.6	217.7
14.5						8.4	17.0	25.9	44.7	57.4	10.0	19.0	30.1	55.5	100.4	13.2	25.9	40.4	78.2	125.7	16.4	32.8	51.8	101.5	150.3	15.0	29.8	45.8	83.3	202.9
15.0						7.8	16.1	24.6	42.2	53.7	9.4	18.0	28.4	53.2	93.8	12.5	24.6	38.3	75.0	117.4	15.3	31.0	49.2	96.6	140.4	14.2	28.1	43.5	81.1	189.6
15.5											8.9	17.0	26.9	51.0	87.9	11.8	23.3	36.3	71.7	110.0	14.3	29.3	46.6	91.8	131.5	13.4	26.5	41.4	78.9	177.6
16.0											8.4	16.2	25.5	48.7	82.4	11.1	22.1	34.5	68.4	103.2	13.4	27.7	44.1	86.9	123.4	12.7	25.1	39.5	76.6	166.6
16.5											8.0	15.4	24.2	46.5	77.5	10.5	21.0	32.8	65.3	97.0	12.6	26.3	41.8	82.4	116.0	12.1	23.8	37.7	74.3	156.7
17.0											7.6	14.7	23.0	44.5	73.0	10.0	19.9	31.3	62.3	91.4	11.9	25.0	39.8	78.2	109.3	11.5	22.6	36.0	72.1	147.6
17.5											7.2	14.0	22.0	42.6	68.9	9.5	18.9	29.9	59.2	86.3	11.2	23.8	37.8	74.4	103.2	10.9	21.5	34.4	69.8	139.3
18.0																8.9	18.0	28.6	56.4	81.5	10.6	22.6	36.1	70.9	97.5	10.4	20.5	32.8	67.6	131.7

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{ex}$ : Elastic buckling capacity about the x-x axis.

### 2.3.8 DHS LOAD SPAN TABLES – LAPPED INTERNAL SPANS

#### Axial compression capacities (kN) $f_c N_c$

Span (m)	DHS 250/15			DHS 250/18			DHS 300/15			DHS 300/18			DHS 350/18			DHS 400/20					
	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	1B	2B	3B	FR	$\phi_c N_{ex}$	
3.0																					
3.5																					
4.0																					
4.5																					
5.0																					
5.5	87.2	118.8	132.2	145.1	1627.3	114.6	157.0	174.9	192.1	1949.9	107.0	134.1	145.1	155.7	2780.4						
6.0	78.3	113.2	128.6	143.6	1367.4	102.6	149.5	170.0	190.1	1638.5	99.0	129.5	142.1	154.5	2336.3						
6.5	69.6	107.4	124.7	141.9	1165.1	90.2	141.7	164.8	187.9	1396.1	91.0	124.6	138.9	153.3	1990.7						
7.0	62.2	101.4	120.6	140.2	1004.6	79.2	133.7	159.3	185.6	1203.8	83.0	119.5	135.6	152.0	1716.5	109.6	158.3	179.8	201.5	2059.8	
7.5	56.0	95.4	116.4	138.3	875.1	70.3	125.6	153.7	183.1	1048.6	75.1	114.3	132.1	150.6	1495.2	99.1	151.4	175.1	199.7	1794.3	
8.0	50.2	89.4	112.0	136.3	769.1	62.9	117.5	147.9	180.5	921.6	68.3	109.0	128.5	149.1	1314.2	89.9	144.3	170.3	197.7	1577.0	109.5
8.5	45.2	83.4	107.6	134.3	681.3	56.7	109.4	141.9	177.8	816.4	62.4	103.6	124.7	147.5	1164.1	82.1	137.1	165.3	195.7	1396.9	179.3
9.0	40.9	77.4	103.1	132.1	607.7	51.4	101.4	135.9	174.9	728.2	57.3	98.2	120.9	145.9	1038.3	74.9	129.9	160.2	193.5	1246.0	212.8
9.5	37.3	71.4	98.5	129.9	545.4	46.8	93.0	129.8	171.9	653.5	52.9	92.8	116.9	144.2	931.9	68.1	122.7	154.9	191.2	1118.3	257.1
10.0	34.1	66.1	93.9	127.5	492.2	42.9	85.0	123.6	168.8	589.8	49.0	87.4	112.9	142.4	841.1	62.4	115.5	149.6	188.9	1009.3	251.0
10.5	31.4	61.4	89.3	125.1	446.5	39.5	78.1	117.4	165.7	535.0	45.5	82.1	108.9	140.5	762.9	57.3	108.3	144.2	186.4	915.4	248.2
11.0	29.0	57.2	84.7	122.7	406.8	36.5	72.0	111.2	162.4	487.4	42.1	76.7	104.8	138.6	695.1	52.9	101.1	138.7	183.9	834.1	246.1
11.5	26.8	53.3	80.1	120.1	372.2	33.8	66.7	105.0	159.0	446.0	39.0	71.8	100.6	136.6	635.9	49.0	94.6	133.2	181.3	763.1	244.0
12.0	25.0	49.5	75.6	117.6	341.8	31.5	62.0	98.9	155.6	409.6	36.2	67.4	96.5	134.6	584.0	45.6	88.8	127.7	178.6	700.9	241.8
12.5	23.3	46.1	71.1	114.9	315.0	29.4	57.8	92.4	152.1	377.5	33.8	63.5	92.4	132.5	538.3	42.5	83.5	122.2	175.9	645.9	239.6
13.0	21.8	43.1	67.0	112.2	291.2	27.5	54.0	86.3	148.5	349.0	31.6	59.9	88.3	130.4	497.6	39.8	78.7	116.7	173.0	597.2	237.2
13.5	20.4	40.3	63.3	109.5	270.1	25.8	50.6	80.8	144.9	323.6	29.6	56.6	84.2	128.2	461.5	37.3	73.8	111.2	170.2	553.8	234.8
14.0	19.2	37.9	59.9	106.8	251.1	24.2	47.6	75.8	141.3	300.9	27.8	53.6	80.1	125.9	429.1	35.0	69.2	105.7	167.2	514.9	232.4
14.5	18.1	35.6	56.7	104.0	234.1	22.8	44.8	71.3	137.6	280.5	26.2	50.9	76.1	123.7	400.0	33.0	65.1	100.3	164.2	480.0	229.9
15.0	17.1	33.6	53.8	101.2	218.7	21.5	42.3	67.3	133.8	262.1	24.7	48.3	72.4	121.4	373.8	31.2	61.4	95.4	161.2	448.5	227.3
15.5	16.1	31.8	50.8	98.4	204.9	20.4	40.0	63.6	130.1	245.5	23.3	46.0	68.9	119.0	350.0	29.5	58.1	90.8	158.1	420.1	224.7
16.0	15.3	30.1	48.1	95.6	192.2	19.3	37.9	60.2	126.3	230.4	22.1	43.8	65.8	116.7	328.5	28.0	55.0	86.6	155.0	394.2	222.0
16.5	14.5	28.5	45.6	92.8	180.8	18.3	35.9	57.1	122.5	216.6	21.0	41.5	62.8	114.3	308.9	26.5	52.1	82.6	151.8	370.7	219.2
17.0	13.8	27.1	43.2	89.9	170.3	17.4	34.2	54.2	118.8	204.1	19.9	39.4	60.1	111.9	291.0	25.2	49.5	79.0	148.6	349.2	216.4
17.5	13.1	25.8	41.1	87.1	160.7	16.5	32.5	51.6	115.0	192.6	19.0	37.5	57.6	109.5	274.6	24.0	47.1	75.2	145.4	329.5	213.6
18.0	12.5	24.6	39.2	84.3	151.9	15.8	31.0	49.2	111.2	182.0	18.1	35.7	55.2	107.0	259.5	22.9	44.9	71.6	142.2	311.5	210.7

1. 1B, 2B & 3B: Load Capacity for 1, 2 and 3 rows of bracing. 2. FR: Load Capacity for fully restrained compression flange. 3.  $f_c N_{ex}$ : Elastic buckling capacity about the x-x axis.