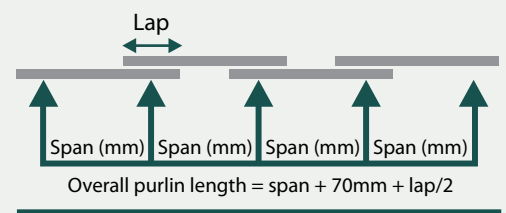


PURLINS & GIRTS - FOUR LAPPED SPAN

SECTION	10010					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	5.38	5.38	5.38	5.38	5.38	8.54
2400	3.20	3.20	3.20	3.20	3.20	5.72
2700	2.53	2.53	2.53	2.53	2.53	4.02
3000	2.05	2.05	2.05	2.05	2.05	2.93
3300	1.69	1.69	1.69	1.69	1.69	2.20
3600	1.42	1.42	1.42	1.42	1.42	1.70
3900	1.21	1.21	1.21	1.21	1.21	1.33
4200	1.05	1.05	1.05	1.05	1.05	1.07
4500	0.91	0.91	0.91	0.91	0.91	0.87
4800	0.80	0.80	0.80	0.80	0.80	0.72
5100	0.71	0.71	0.71	0.71	0.71	0.60
5400	0.63	0.63	0.63	0.63	0.63	0.50
5700	0.57	0.57	0.57	0.57	0.57	0.43

SECTION	10012					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	6.46	6.46	6.46	6.46	6.46	10.61
2400	4.94	4.94	4.94	4.94	4.94	7.11
2700	3.91	3.91	3.91	3.91	3.91	4.99
3000	3.16	3.16	3.16	3.16	3.16	3.64
3300	2.61	2.61	2.61	2.61	2.61	2.73
3600	2.20	2.20	2.20	2.20	2.20	2.11
3900	1.87	1.87	1.87	1.87	1.87	1.66
4200	1.61	1.61	1.61	1.61	1.61	1.33
4500	1.41	1.41	1.41	1.41	1.41	1.08
4800	1.24	1.24	1.24	1.24	1.24	0.89
5100	1.09	1.09	1.09	1.09	1.09	0.74
5400	0.98	0.98	0.98	0.98	0.98	0.62
5700	0.88	0.88	0.88	0.88	0.88	0.53
6000	0.79	0.79	0.79	0.79	0.79	0.45
6300	0.72	0.72	0.72	0.72	0.72	0.39
6600	0.65	0.65	0.65	0.65	0.65	0.34



Four Lapped Span

NOTES:

- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
OUT = outward load capacity.
DEF. = Load required to give a deflection of SPAN/150

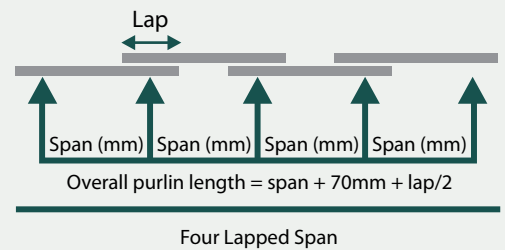
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL100-Four Spans(Lapped) for Z100 Sections - Limit state capacity (kN/m)						
SECTION	10015					Def
LOADING	Inward	Outward			BRIDGING	
	0,1,2,3	0	1	2		3
2100	8.24	7.42	8.24	8.24	8.24	13.62
2400	6.31	5.68	6.31	6.31	6.31	9.12
2700	4.98	4.49	4.98	4.98	4.98	6.41
3000	4.04	3.64	4.04	4.04	4.04	4.67
3300	3.34	3.01	3.34	3.34	3.34	3.51
3600	2.80	2.53	2.80	2.80	2.80	2.70
3900	2.39	2.15	2.39	2.39	2.39	2.13
4200	2.06	1.86	2.06	2.06	2.06	1.70
4500	1.79	1.62	1.79	1.79	1.79	1.38
4800	1.58	1.42	1.58	1.58	1.58	1.14
5100	1.40	1.26	1.40	1.40	1.40	0.95
5400	1.25	1.12	1.25	1.25	1.25	0.80
5700	1.12	1.01	1.12	1.12	1.12	0.68
6000	1.01	0.91	1.01	1.01	1.01	0.58
6300	0.92	0.82	0.92	0.92	0.92	0.50
6600	0.83	0.75	0.83	0.83	0.83	0.44
6900	0.76	0.69	0.76	0.76	0.76	0.38
7200	0.70	0.63	0.70	0.70	0.70	0.34
7500	0.65	0.58	0.65	0.65	0.65	0.30

Table FL100-Four Spans(Lapped) for Z100 Sections - Limit state capacity (kN/m)						
SECTION	10019					Def
LOADING	Inward	Outward			BRIDGING	
	0,1,2,3	0	1	2		3
2100	10.54	9.30	10.54	11.48	11.48	17.06
2400	8.07	7.12	8.07	8.79	8.79	11.43
2700	6.37	5.62	6.37	6.94	6.94	8.03
3000	5.16	4.56	5.16	5.62	5.62	5.85
3300	4.27	3.77	4.27	4.65	4.65	4.40
3600	3.59	3.16	3.59	3.91	3.91	3.39
3900	3.06	2.70	3.06	3.33	3.33	2.66
4200	2.63	2.32	2.63	2.87	2.87	2.13
4500	2.29	2.02	2.29	2.50	2.50	1.73
4800	2.02	1.78	2.02	2.20	2.20	1.43
5100	1.79	1.58	1.79	1.95	1.95	1.19
5400	1.59	1.41	1.59	1.74	1.74	1.00
5700	1.43	1.26	1.43	1.56	1.56	0.85
6000	1.29	1.14	1.29	1.41	1.41	0.73
6300	1.17	1.03	1.17	1.28	1.28	0.63
6600	1.07	0.94	1.07	1.16	1.16	0.55
6900	0.98	0.86	0.98	1.06	1.06	0.48
7200	0.90	0.79	0.90	0.98	0.98	0.42
7500	0.83	0.73	0.83	0.90	0.90	0.37
7800	0.76	0.67	0.76	0.83	0.83	0.33
8100	0.71	0.62	0.71	0.77	0.77	0.30
8400	0.66	0.58	0.66	0.72	0.72	0.27
8700	0.61	0.54	0.61	0.67	0.67	0.24
9000	0.57	0.51	0.57	0.62	0.62	0.22



NOTES:

1. The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method

2. Following values of F_y considered for calculating the ultimate loads

- 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
- 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
- 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$

3. The loads have been based on the use of approved Metroll sections & bridging systems.

4. The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).

5. IN = Inward load capacity.
 OUT = outward load capacity.
 DEF. = Load required to give a deflection of $SPAN/150$

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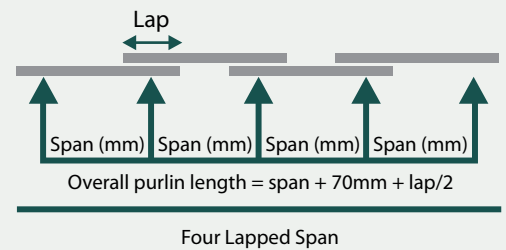
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL150-Four Spans(Lapped) for Z150 Sections - Limit state capacity (kN/m)						
SECTION	15012					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	5.09	5.09	5.09	5.09	5.09	10.44
3300	4.20	4.20	4.20	4.20	4.20	7.84
3600	3.53	3.53	3.53	3.53	3.53	6.04
3900	3.01	3.01	3.01	3.01	3.01	4.75
4200	2.60	2.60	2.60	2.60	2.60	3.80
4500	2.26	2.26	2.26	2.26	2.26	3.09
4800	1.99	1.99	1.99	1.99	1.99	2.55
5100	1.76	1.76	1.76	1.76	1.76	2.13
5400	1.57	1.57	1.57	1.57	1.57	1.79
5700	1.41	1.41	1.41	1.41	1.41	1.52
6000	1.27	1.27	1.27	1.27	1.27	1.31
6300	1.15	1.15	1.15	1.15	1.15	1.13
6600	1.05	1.05	1.05	1.05	1.05	0.98
6900	0.96	0.96	0.96	0.96	0.96	0.86
7200	0.88	0.88	0.88	0.88	0.88	0.76
7500	0.81	0.81	0.81	0.81	0.81	0.67
7800	0.75	0.75	0.75	0.75	0.75	0.59
8100	0.70	0.70	0.70	0.70	0.70	0.53
8400	0.65	0.65	0.65	0.65	0.65	0.48

Table FL150-Four Spans(Lapped) for Z150 Sections - Limit state capacity (kN/m)						
SECTION	15015					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	7.11	6.98	7.11	7.11	7.11	13.53
3300	5.88	5.77	5.88	5.88	5.88	10.17
3600	4.94	4.85	4.94	4.94	4.94	7.83
3900	4.21	4.13	4.21	4.21	4.21	6.16
4200	3.63	3.56	3.63	3.63	3.63	4.93
4500	3.16	3.10	3.16	3.16	3.16	4.01
4800	2.78	2.73	2.78	2.78	2.78	3.30
5100	2.46	2.42	2.46	2.46	2.46	2.75
5400	2.20	2.16	2.20	2.20	2.20	2.32
5700	1.97	1.93	1.97	1.97	1.97	1.97
6000	1.78	1.75	1.78	1.78	1.78	1.69
6300	1.61	1.58	1.61	1.61	1.61	1.46
6600	1.47	1.44	1.47	1.47	1.47	1.27
6900	1.34	1.32	1.34	1.34	1.34	1.11
7200	1.23	1.21	1.23	1.23	1.23	0.98
7500	1.14	1.12	1.14	1.14	1.14	0.87
7800	1.05	1.03	1.05	1.05	1.05	0.77
8100	0.98	0.96	0.98	0.98	0.98	0.69
8400	0.91	0.89	0.91	0.91	0.91	0.62
8700	0.85	0.83	0.85	0.85	0.85	0.55
9000	0.79	0.78	0.79	0.79	0.79	0.50
9300	0.74	0.73	0.74	0.74	0.74	0.45
9600	0.69	0.68	0.69	0.69	0.69	0.41
9900	0.65	0.64	0.65	0.65	0.65	0.38
10200	0.62	0.60	0.62	0.62	0.62	0.34
10500	0.58	0.57	0.58	0.58	0.58	0.32



NOTES:

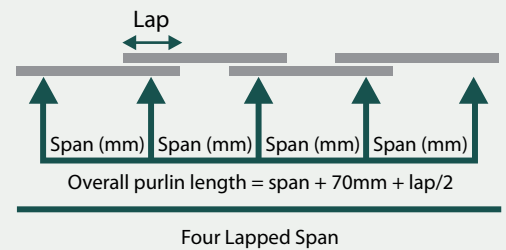
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
OUT = outward load capacity.
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL150-Four Spans(Lapped) for Z150 Sections - Limit state capacity (kN/m)						
SECTION	15019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	10.03	9.19	10.03	10.03	10.03	17.51
3300	8.29	7.60	8.29	8.29	8.29	13.15
3600	6.96	6.38	6.96	6.96	6.96	10.13
3900	5.93	5.44	5.93	5.93	5.93	7.97
4200	5.12	4.69	5.12	5.12	5.12	6.38
4500	4.46	4.09	4.46	4.46	4.46	5.19
4800	3.92	3.59	3.92	3.92	3.92	4.27
5100	3.47	3.18	3.47	3.47	3.47	3.56
5400	3.09	2.84	3.09	3.09	3.09	3.00
5700	2.78	2.55	2.78	2.78	2.78	2.55
6000	2.51	2.30	2.51	2.51	2.51	2.19
6300	2.27	2.08	2.27	2.27	2.27	1.89
6600	2.07	1.90	2.07	2.07	2.07	1.64
6900	1.90	1.74	1.90	1.90	1.90	1.44
7200	1.74	1.60	1.74	1.74	1.74	1.27
7500	1.60	1.47	1.60	1.60	1.60	1.12
7800	1.48	1.36	1.48	1.48	1.48	1.00
8100	1.38	1.26	1.38	1.38	1.38	0.89
8400	1.28	1.17	1.28	1.28	1.28	0.80
8700	1.19	1.09	1.19	1.19	1.19	0.72
9000	1.11	1.02	1.11	1.11	1.11	0.65
9300	1.04	0.96	1.04	1.04	1.04	0.59
9600	0.98	0.90	0.98	0.98	0.98	0.53
9900	0.92	0.84	0.92	0.92	0.92	0.49
10200	0.87	0.80	0.87	0.87	0.87	0.45
10500	0.82	0.75	0.82	0.82	0.82	0.41



NOTES:

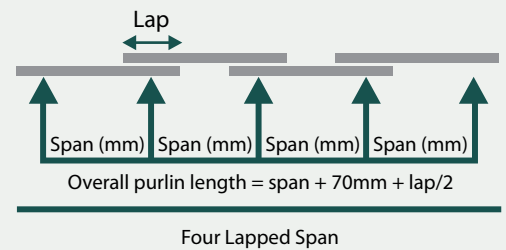
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
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DEF. = Load required to give a deflection of SPAN/150

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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL150-Four Spans(Lapped) for Z150 Sections - Limit state capacity (kN/m)						
SECTION	15024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	13.01	11.48	13.01	14.02	14.02	22.01
3300	10.76	9.49	10.76	11.58	11.58	16.54
3600	9.04	7.97	9.04	9.73	9.73	12.74
3900	7.70	6.79	7.70	8.29	8.29	10.02
4200	6.64	5.86	6.64	7.15	7.15	8.02
4500	5.78	5.10	5.78	6.23	6.23	6.52
4800	5.08	4.49	5.08	5.48	5.48	5.37
5100	4.50	3.97	4.50	4.85	4.85	4.48
5400	4.02	3.54	4.02	4.33	4.33	3.77
5700	3.60	3.18	3.60	3.88	3.88	3.21
6000	3.25	2.87	3.25	3.50	3.50	2.75
6300	2.95	2.60	2.95	3.18	3.18	2.38
6600	2.69	2.37	2.69	2.90	2.90	2.07
6900	2.46	2.17	2.46	2.65	2.65	1.81
7200	2.26	1.99	2.26	2.43	2.43	1.59
7500	2.08	1.84	2.08	2.24	2.24	1.41
7800	1.93	1.70	1.93	2.07	2.07	1.25
8100	1.79	1.58	1.79	1.92	1.92	1.12
8400	1.66	1.46	1.66	1.79	1.79	1.00
8700	1.55	1.37	1.55	1.67	1.67	0.90
9000	1.45	1.28	1.45	1.56	1.56	0.82
9300	1.35	1.19	1.35	1.46	1.46	0.74
9600	1.27	1.12	1.27	1.37	1.37	0.67
9900	1.20	1.05	1.20	1.29	1.29	0.61
10200	1.13	0.99	1.13	1.21	1.21	0.56
10500	1.06	0.94	1.06	1.14	1.14	0.51
10800	1.00	0.89	1.00	1.08	1.08	0.47
11100	0.95	0.84	0.95	1.02	1.02	0.43
11400	0.90	0.80	0.90	0.97	0.97	0.40
11700	0.86	0.75	0.86	0.92	0.92	0.37
12000	0.81	0.72	0.81	0.88	0.88	0.34



NOTES:

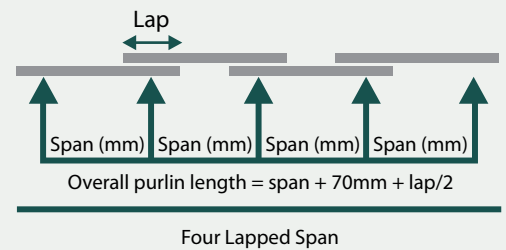
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 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL200-Four Spans(Lapped) for Z200 Sections - Limit state capacity (kN/m)						
SECTION	20015					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	9.83	9.83	9.83	9.83	9.83	28.62
3300	8.13	8.13	8.13	8.13	8.13	21.50
3600	6.83	6.83	6.83	6.83	6.83	16.56
3900	5.82	5.82	5.82	5.82	5.82	13.03
4200	5.02	5.02	5.02	5.02	5.02	10.43
4500	4.37	4.37	4.37	4.37	4.37	8.48
4800	3.84	3.84	3.84	3.84	3.84	6.99
5100	3.40	3.40	3.40	3.40	3.40	5.82
5400	3.04	3.04	3.04	3.04	3.04	4.91
5700	2.72	2.72	2.72	2.72	2.72	4.17
6000	2.46	2.46	2.46	2.46	2.46	3.58
6300	2.23	2.23	2.23	2.23	2.23	3.09
6600	2.03	2.03	2.03	2.03	2.03	2.69
6900	1.86	1.86	1.86	1.86	1.86	2.35
7200	1.71	1.71	1.71	1.71	1.71	2.07
7500	1.57	1.57	1.57	1.57	1.57	1.83
7800	1.45	1.45	1.45	1.45	1.45	1.63
8100	1.35	1.35	1.35	1.35	1.35	1.45
8400	1.25	1.25	1.25	1.25	1.25	1.30
8700	1.17	1.17	1.17	1.17	1.17	1.17
9000	1.09	1.09	1.09	1.09	1.09	1.06
9300	1.02	1.02	1.02	1.02	1.02	0.96
9600	0.96	0.96	0.96	0.96	0.96	0.87
9900	0.90	0.90	0.90	0.90	0.90	0.80
10200	0.85	0.85	0.85	0.85	0.85	0.73
10500	0.80	0.80	0.80	0.80	0.80	0.67
10800	0.76	0.76	0.76	0.76	0.76	0.61



NOTES:

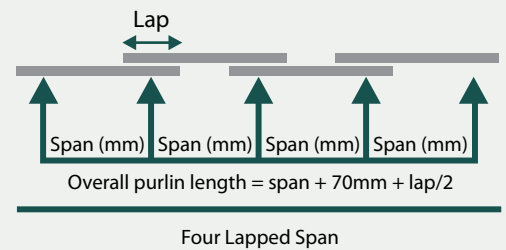
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
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DEF. = Load required to give a deflection of SPAN/150

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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL200-Four Spans(Lapped) for Z200 Sections - Limit state capacity (kN/m)						
SECTION	20019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	14.91	14.80	14.91	14.91	14.91	38.25
3300	12.32	12.23	12.32	12.32	12.32	28.74
3600	10.35	10.28	10.35	10.35	10.35	22.13
3900	8.82	8.76	8.82	8.82	8.82	17.41
4200	7.61	7.55	7.61	7.61	7.61	13.94
4500	6.62	6.58	6.62	6.62	6.62	11.33
4800	5.82	5.78	5.82	5.82	5.82	9.34
5100	5.16	5.12	5.16	5.16	5.16	7.79
5400	4.60	4.57	4.60	4.60	4.60	6.56
5700	4.13	4.10	4.13	4.13	4.13	5.58
6000	3.73	3.70	3.73	3.73	3.73	4.78
6300	3.38	3.36	3.38	3.38	3.38	4.13
6600	3.08	3.06	3.08	3.08	3.08	3.59
6900	2.82	2.80	2.82	2.82	2.82	3.14
7200	2.59	2.57	2.59	2.59	2.59	2.77
7500	2.38	2.37	2.38	2.38	2.38	2.45
7800	2.21	2.19	2.21	2.21	2.21	2.18
8100	2.04	2.03	2.04	2.04	2.04	1.94
8400	1.90	1.89	1.90	1.90	1.90	1.74
8700	1.77	1.76	1.77	1.77	1.77	1.57
9000	1.66	1.64	1.66	1.66	1.66	1.42
9300	1.55	1.54	1.55	1.55	1.55	1.28
9600	1.46	1.45	1.46	1.46	1.46	1.17
9900	1.37	1.36	1.37	1.37	1.37	1.06
10200	1.29	1.28	1.29	1.29	1.29	0.97
10500	1.22	1.21	1.22	1.22	1.22	0.89
10800	1.15	1.14	1.15	1.15	1.15	0.82
11100	1.09	1.08	1.09	1.09	1.09	0.76
11400	1.03	1.02	1.03	1.03	1.03	0.70
11700	0.98	0.97	0.98	0.98	0.98	0.64
12000	0.93	0.93	0.93	0.93	0.93	0.60



NOTES:

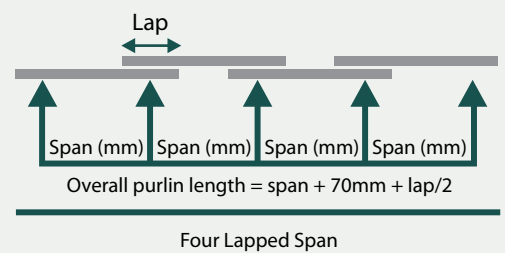
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL200-Four Spans(Lapped) for Z200 Sections - Limit state capacity (kN/m)						
SECTION	20024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
4500	9.54	8.64	9.54	9.54	9.54	14.69
4800	8.39	7.60	8.39	8.39	8.39	12.11
5100	7.43	6.73	7.43	7.43	7.43	10.09
5400	6.63	6.00	6.63	6.63	6.63	8.50
5700	5.95	5.39	5.95	5.95	5.95	7.23
6000	5.37	4.86	5.37	5.37	5.37	6.20
6300	4.87	4.41	4.87	4.87	4.87	5.35
6600	4.44	4.02	4.44	4.44	4.44	4.66
6900	4.06	3.68	4.06	4.06	4.06	4.08
7200	3.73	3.38	3.73	3.73	3.73	3.59
7500	3.43	3.11	3.43	3.43	3.43	3.17
7800	3.18	2.88	3.18	3.18	3.18	2.82
8100	2.94	2.67	2.94	2.94	2.94	2.52
8400	2.74	2.48	2.74	2.74	2.74	2.26
8700	2.55	2.31	2.55	2.55	2.55	2.03
9000	2.39	2.16	2.39	2.39	2.39	1.84
9300	2.23	2.02	2.23	2.23	2.23	1.66
9600	2.10	1.90	2.10	2.10	2.10	1.51
9900	1.97	1.79	1.97	1.97	1.97	1.38
10200	1.86	1.68	1.86	1.86	1.86	1.26
10500	1.75	1.59	1.75	1.75	1.75	1.16
10800	1.66	1.50	1.66	1.66	1.66	1.06
11100	1.57	1.42	1.57	1.57	1.57	0.98
11400	1.49	1.35	1.49	1.49	1.49	0.90
11700	1.41	1.28	1.41	1.41	1.41	0.84
12000	1.34	1.22	1.34	1.34	1.34	0.77
12300	1.28	1.16	1.28	1.28	1.28	0.72
12600	1.22	1.10	1.22	1.22	1.22	0.67
12900	1.16	1.05	1.16	1.16	1.16	0.62
13200	1.11	1.00	1.11	1.11	1.11	0.58
13500	1.06	0.96	1.06	1.06	1.06	0.54
13800	1.01	0.92	1.01	1.01	1.01	0.51
14100	0.97	0.88	0.97	0.97	0.97	0.48
14400	0.93	0.84	0.93	0.93	0.93	0.45
14700	0.89	0.81	0.89	0.89	0.89	0.42
15000	0.86	0.78	0.86	0.86	0.86	0.40
15300	0.83	0.75	0.83	0.83	0.83	0.37
15600	0.79	0.72	0.79	0.79	0.79	0.35
15900	0.76	0.69	0.76	0.76	0.76	0.33
16200	0.74	0.67	0.74	0.74	0.74	0.31
16500	0.71	0.64	0.71	0.71	0.71	0.30
16800	0.68	0.62	0.68	0.68	0.68	0.28
17100	0.66	0.60	0.66	0.66	0.66	0.27
17400	0.64	0.58	0.64	0.64	0.64	0.25



NOTES:

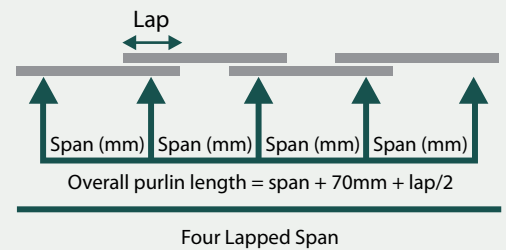
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
OUT = outward load capacity.
DEF. = Load required to give a deflection of $\text{SPAN}/150$

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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL250-Four Spans(Lapped) for Z250 Sections - Limit state capacity (kN/m)						
SECTION	25019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	16.51	16.51	16.51	16.51	16.51	64.69
3300	13.64	13.64	13.64	13.64	13.64	48.60
3600	11.46	11.46	11.46	11.46	11.46	37.44
3900	9.77	9.77	9.77	9.77	9.77	29.44
4200	8.42	8.42	8.42	8.42	8.42	23.58
4500	7.34	7.34	7.34	7.34	7.34	19.17
4800	6.45	6.45	6.45	6.45	6.45	15.79
5100	5.71	5.71	5.71	5.71	5.71	13.17
5400	5.09	5.09	5.09	5.09	5.09	11.09
5700	4.57	4.57	4.57	4.57	4.57	9.43
6000	4.13	4.13	4.13	4.13	4.13	8.09
6300	3.74	3.74	3.74	3.74	3.74	6.99
6600	3.41	3.41	3.41	3.41	3.41	6.08
6900	3.12	3.12	3.12	3.12	3.12	5.32
7200	2.87	2.87	2.87	2.87	2.87	4.68
7500	2.64	2.64	2.64	2.64	2.64	4.14
7800	2.44	2.44	2.44	2.44	2.44	3.68
8100	2.26	2.26	2.26	2.26	2.26	3.29
8400	2.11	2.11	2.11	2.11	2.11	2.95
8700	1.96	1.96	1.96	1.96	1.96	2.65
9000	1.83	1.83	1.83	1.83	1.83	2.40
9300	1.72	1.72	1.72	1.72	1.72	2.17
9600	1.61	1.61	1.61	1.61	1.61	1.97
9900	1.52	1.52	1.52	1.52	1.52	1.80
10200	1.43	1.43	1.43	1.43	1.43	1.65
10500	1.35	1.35	1.35	1.35	1.35	1.51
10800	1.27	1.27	1.27	1.27	1.27	1.39
11100	1.21	1.21	1.21	1.21	1.21	1.28
11400	1.14	1.14	1.14	1.14	1.14	1.18
11700	1.09	1.09	1.09	1.09	1.09	1.09
12000	1.03	1.03	1.03	1.03	1.03	1.01



NOTES:

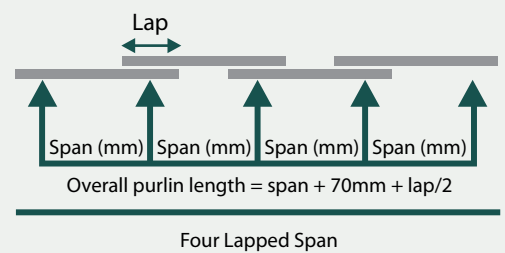
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL250-Four Spans(Lapped) for Z250 Sections - Limit state capacity (kN/m)						
SECTION	25024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
4500	11.23	11.23	11.23	11.23	11.23	24.86
4800	9.87	9.87	9.87	9.87	9.87	20.48
5100	8.74	8.74	8.74	8.74	8.74	17.08
5400	7.80	7.80	7.80	7.80	7.80	14.39
5700	7.00	7.00	7.00	7.00	7.00	12.23
6000	6.32	6.32	6.32	6.32	6.32	10.49
6300	5.73	5.73	5.73	5.73	5.73	9.06
6600	5.22	5.22	5.22	5.22	5.22	7.88
6900	4.78	4.78	4.78	4.78	4.78	6.90
7200	4.39	4.39	4.39	4.39	4.39	6.07
7500	4.04	4.04	4.04	4.04	4.04	5.37
7800	3.74	3.74	3.74	3.74	3.74	4.77
8100	3.47	3.47	3.47	3.47	3.47	4.26
8400	3.22	3.22	3.22	3.22	3.22	3.82
8700	3.00	3.00	3.00	3.00	3.00	3.44
9000	2.81	2.81	2.81	2.81	2.81	3.11
9300	2.63	2.63	2.63	2.63	2.63	2.82
9600	2.47	2.47	2.47	2.47	2.47	2.56
9900	2.32	2.32	2.32	2.32	2.32	2.33
10200	2.19	2.19	2.19	2.19	2.19	2.13
10500	2.06	2.06	2.06	2.06	2.06	1.96
10800	1.95	1.95	1.95	1.95	1.95	1.80
11100	1.85	1.85	1.85	1.85	1.85	1.66
11400	1.75	1.75	1.75	1.75	1.75	1.53
11700	1.66	1.66	1.66	1.66	1.66	1.41
12000	1.58	1.58	1.58	1.58	1.58	1.31
12300	1.50	1.50	1.50	1.50	1.50	1.22
12600	1.43	1.43	1.43	1.43	1.43	1.13
12900	1.37	1.37	1.37	1.37	1.37	1.06
13200	1.30	1.30	1.30	1.30	1.30	0.98
13500	1.25	1.25	1.25	1.25	1.25	0.92
13800	1.19	1.19	1.19	1.19	1.19	0.86
14100	1.14	1.14	1.14	1.14	1.14	0.81
14400	1.10	1.10	1.10	1.10	1.10	0.76
14700	1.05	1.05	1.05	1.05	1.05	0.71
15000	1.01	1.01	1.01	1.01	1.01	0.67
15300	0.97	0.97	0.97	0.97	0.97	0.63
15600	0.93	0.93	0.93	0.93	0.93	0.60
15900	0.90	0.90	0.90	0.90	0.90	0.56
16200	0.87	0.87	0.87	0.87	0.87	0.53
16500	0.84	0.84	0.84	0.84	0.84	0.50
16800	0.81	0.81	0.81	0.81	0.81	0.48
17100	0.78	0.78	0.78	0.78	0.78	0.45
17400	0.75	0.75	0.75	0.75	0.75	0.43
17700	0.73	0.73	0.73	0.73	0.73	0.41
18000	0.70	0.70	0.70	0.70	0.70	0.39



NOTES:

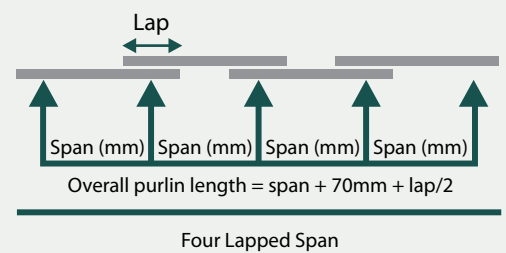
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL300-Four Spans(Lapped) for Z300 Sections - Limit state capacity (kN/m)						
SECTION	30024					Def
LOADING	Inward	Outward				
BRIDGING	0,1,2,3	0	1	2	3	
6000	8.54	8.54	8.54	8.54	8.54	17.93
6300	7.74	7.74	7.74	7.74	7.74	15.49
6600	7.06	7.06	7.06	7.06	7.06	13.47
6900	6.46	6.46	6.46	6.46	6.46	11.79
7200	5.93	5.93	5.93	5.93	5.93	10.38
7500	5.46	5.46	5.46	5.46	5.46	9.18
7800	5.05	5.05	5.05	5.05	5.05	8.16
8100	4.68	4.68	4.68	4.68	4.68	7.29
8400	4.36	4.36	4.36	4.36	4.36	6.54
8700	4.06	4.06	4.06	4.06	4.06	5.88
9000	3.79	3.79	3.79	3.79	3.79	5.31
9300	3.55	3.55	3.55	3.55	3.55	4.82
9600	3.33	3.33	3.33	3.33	3.33	4.38
9900	3.14	3.14	3.14	3.14	3.14	3.99
10200	2.95	2.95	2.95	2.95	2.95	3.65
10500	2.79	2.79	2.79	2.79	2.79	3.35
10800	2.63	2.63	2.63	2.63	2.63	3.07
11100	2.49	2.49	2.49	2.49	2.49	2.83
11400	2.36	2.36	2.36	2.36	2.36	2.61
11700	2.25	2.25	2.25	2.25	2.25	2.42
12000	2.13	2.13	2.13	2.13	2.13	2.24
12300	2.03	2.03	2.03	2.03	2.03	2.08
12600	1.94	1.94	1.94	1.94	1.94	1.94
12900	1.85	1.85	1.85	1.85	1.85	1.80
13200	1.76	1.76	1.76	1.76	1.76	1.68
13500	1.69	1.69	1.69	1.69	1.69	1.57
13800	1.61	1.61	1.61	1.61	1.61	1.47
14100	1.55	1.55	1.55	1.55	1.55	1.38
14400	1.48	1.48	1.48	1.48	1.48	1.30
14700	1.42	1.42	1.42	1.42	1.42	1.22
15000	1.37	1.37	1.37	1.37	1.37	1.15
15300	1.31	1.31	1.31	1.31	1.31	1.08
15600	1.26	1.26	1.26	1.26	1.26	1.02
15900	1.22	1.22	1.22	1.22	1.22	0.96
16200	1.17	1.17	1.17	1.17	1.17	0.91
16500	1.13	1.13	1.13	1.13	1.13	0.86
16800	1.09	1.09	1.09	1.09	1.09	0.82
17100	1.05	1.05	1.05	1.05	1.05	0.77
17400	1.02	1.02	1.02	1.02	1.02	0.74
17700	0.98	0.98	0.98	0.98	0.98	0.70
18000	0.95	0.95	0.95	0.95	0.95	0.66



NOTES:

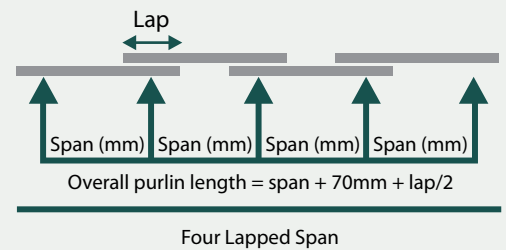
- 1.** The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- 2.** Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- 3.** The loads have been based on the use of approved Metroll sections & bridging systems.
- 4.** The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- 5.** IN = Inward load capacity.
 OUT = outward load capacity.
 DEF. = Load required to give a deflection of $SPAN/150$

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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL300-Four Spans(Lapped) for Z300 Sections - Limit state capacity (kN/m)						
SECTION	30030					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	12.34	12.34	12.34	12.34	12.34	23.22
6300	11.19	11.19	11.19	11.19	11.19	20.05
6600	10.20	10.20	10.20	10.20	10.20	17.44
6900	9.33	9.33	9.33	9.33	9.33	15.26
7200	8.57	8.57	8.57	8.57	8.57	13.44
7500	7.90	7.90	7.90	7.90	7.90	11.89
7800	7.30	7.30	7.30	7.30	7.30	10.57
8100	6.77	6.77	6.77	6.77	6.77	9.44
8400	6.30	6.30	6.30	6.30	6.30	8.46
8700	5.87	5.87	5.87	5.87	5.87	7.62
9000	5.48	5.48	5.48	5.48	5.48	6.88
9300	5.14	5.14	5.14	5.14	5.14	6.23
9600	4.82	4.82	4.82	4.82	4.82	5.67
9900	4.53	4.53	4.53	4.53	4.53	5.17
10200	4.27	4.27	4.27	4.27	4.27	4.73
10500	4.03	4.03	4.03	4.03	4.03	4.33
10800	3.81	3.81	3.81	3.81	3.81	3.98
11100	3.61	3.61	3.61	3.61	3.61	3.67
11400	3.42	3.42	3.42	3.42	3.42	3.38
11700	3.25	3.25	3.25	3.25	3.25	3.13
12000	3.09	3.09	3.09	3.09	3.09	2.90
12300	2.94	2.94	2.94	2.94	2.94	2.69
12600	2.80	2.80	2.80	2.80	2.80	2.51
12900	2.67	2.67	2.67	2.67	2.67	2.34
13200	2.55	2.55	2.55	2.55	2.55	2.18
13500	2.44	2.44	2.44	2.44	2.44	2.04
13800	2.33	2.33	2.33	2.33	2.33	1.91
14100	2.23	2.23	2.23	2.23	2.23	1.79
14400	2.14	2.14	2.14	2.14	2.14	1.68
14700	2.06	2.06	2.06	2.06	2.06	1.58
15000	1.97	1.97	1.97	1.97	1.97	1.49
15300	1.90	1.90	1.90	1.90	1.90	1.40
15600	1.83	1.83	1.83	1.83	1.83	1.32
15900	1.76	1.76	1.76	1.76	1.76	1.25
16200	1.69	1.69	1.69	1.69	1.69	1.18
16500	1.63	1.63	1.63	1.63	1.63	1.12
16800	1.57	1.57	1.57	1.57	1.57	1.06
17100	1.52	1.52	1.52	1.52	1.52	1.00
17400	1.47	1.47	1.47	1.47	1.47	0.95
17700	1.42	1.42	1.42	1.42	1.42	0.90
18000	1.37	1.37	1.37	1.37	1.37	0.86



NOTES:

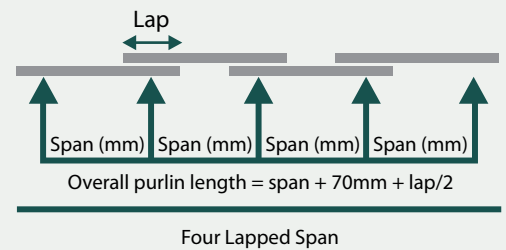
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
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- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL350-Four Spans(Lapped) for Z350 Sections - Limit state capacity (kN/m)						
SECTION	35030					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	14.68	14.68	14.68	14.68	14.68	37.25
6300	13.32	13.32	13.32	13.32	13.32	32.17
6600	12.13	12.13	12.13	12.13	12.13	27.98
6900	11.10	11.10	11.10	11.10	11.10	24.49
7200	10.19	10.19	10.19	10.19	10.19	21.55
7500	9.40	9.40	9.40	9.40	9.40	19.07
7800	8.69	8.69	8.69	8.69	8.69	16.95
8100	8.06	8.06	8.06	8.06	8.06	15.14
8400	7.49	7.49	7.49	7.49	7.49	13.57
8700	6.98	6.98	6.98	6.98	6.98	12.22
9000	6.52	6.52	6.52	6.52	6.52	11.04
9300	6.11	6.11	6.11	6.11	6.11	10.00
9600	5.73	5.73	5.73	5.73	5.73	9.09
9900	5.39	5.39	5.39	5.39	5.39	8.29
10200	5.08	5.08	5.08	5.08	5.08	7.58
10500	4.79	4.79	4.79	4.79	4.79	6.95
10800	4.53	4.53	4.53	4.53	4.53	6.39
11100	4.29	4.29	4.29	4.29	4.29	5.88
11400	4.07	4.07	4.07	4.07	4.07	5.43
11700	3.86	3.86	3.86	3.86	3.86	5.02
12000	3.67	3.67	3.67	3.67	3.67	4.66
12300	3.49	3.49	3.49	3.49	3.49	4.32
12600	3.33	3.33	3.33	3.33	3.33	4.02
12900	3.18	3.18	3.18	3.18	3.18	3.75
13200	3.03	3.03	3.03	3.03	3.03	3.50
13500	2.90	2.90	2.90	2.90	2.90	3.27
13800	2.78	2.78	2.78	2.78	2.78	3.06
14100	2.66	2.66	2.66	2.66	2.66	2.87
14400	2.55	2.55	2.55	2.55	2.55	2.69
14700	2.45	2.45	2.45	2.45	2.45	2.53
15000	2.35	2.35	2.35	2.35	2.35	2.38
15300	2.26	2.26	2.26	2.26	2.26	2.25
15600	2.17	2.17	2.17	2.17	2.17	2.12
15900	2.09	2.09	2.09	2.09	2.09	2.00
16200	2.01	2.01	2.01	2.01	2.01	1.89
16500	1.94	1.94	1.94	1.94	1.94	1.79
16800	1.87	1.87	1.87	1.87	1.87	1.70
17100	1.81	1.81	1.81	1.81	1.81	1.61
17400	1.75	1.75	1.75	1.75	1.75	1.53
17700	1.69	1.69	1.69	1.69	1.69	1.45
18000	1.63	1.63	1.63	1.63	1.63	1.38



NOTES:

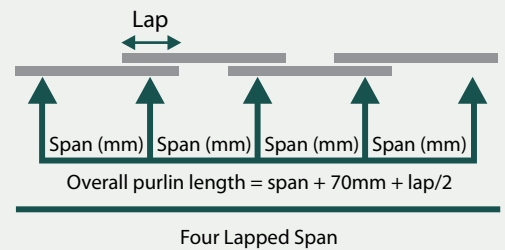
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL350-Four Spans(Lapped) for Z350 Sections - Limit state capacity (kN/m)						
SECTION	35024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	10.23	10.23	10.23	10.23	10.23	29.08
6300	9.28	9.28	9.28	9.28	9.28	25.12
6600	8.46	8.46	8.46	8.46	8.46	21.85
6900	7.74	7.74	7.74	7.74	7.74	19.12
7200	7.11	7.11	7.11	7.11	7.11	16.83
7500	6.55	6.55	6.55	6.55	6.55	14.89
7800	6.06	6.06	6.06	6.06	6.06	13.23
8100	5.62	5.62	5.62	5.62	5.62	11.82
8400	5.22	5.22	5.22	5.22	5.22	10.60
8700	4.87	4.87	4.87	4.87	4.87	9.54
9000	4.55	4.55	4.55	4.55	4.55	8.62
9300	4.26	4.26	4.26	4.26	4.26	7.81
9600	4.00	4.00	4.00	4.00	4.00	7.10
9900	3.76	3.76	3.76	3.76	3.76	6.47
10200	3.54	3.54	3.54	3.54	3.54	5.92
10500	3.34	3.34	3.34	3.34	3.34	5.43
10800	3.16	3.16	3.16	3.16	3.16	4.99
11100	2.99	2.99	2.99	2.99	2.99	4.59
11400	2.84	2.84	2.84	2.84	2.84	4.24
11700	2.69	2.69	2.69	2.69	2.69	3.92
12000	2.56	2.56	2.56	2.56	2.56	3.63
12300	2.44	2.44	2.44	2.44	2.44	3.38
12600	2.32	2.32	2.32	2.32	2.32	3.14
12900	2.21	2.21	2.21	2.21	2.21	2.93
13200	2.11	2.11	2.11	2.11	2.11	2.73
13500	2.02	2.02	2.02	2.02	2.02	2.55
13800	1.93	1.93	1.93	1.93	1.93	2.39
14100	1.85	1.85	1.85	1.85	1.85	2.24
14400	1.78	1.78	1.78	1.78	1.78	2.10
14700	1.71	1.71	1.71	1.71	1.71	1.98
15000	1.64	1.64	1.64	1.64	1.64	1.86
15300	1.57	1.57	1.57	1.57	1.57	1.75
15600	1.51	1.51	1.51	1.51	1.51	1.65
15900	1.46	1.46	1.46	1.46	1.46	1.56
16200	1.40	1.40	1.40	1.40	1.40	1.48
16500	1.35	1.35	1.35	1.35	1.35	1.40
16800	1.31	1.31	1.31	1.31	1.31	1.32
17100	1.26	1.26	1.26	1.26	1.26	1.26
17400	1.22	1.22	1.22	1.22	1.22	1.19
17700	1.18	1.18	1.18	1.18	1.18	1.13
18000	1.14	1.14	1.14	1.14	1.14	1.08



NOTES:

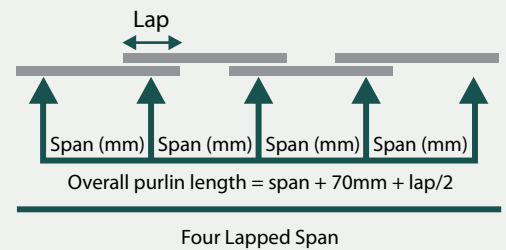
1. The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
2. Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
3. The loads have been based on the use of approved Metroll sections & bridging systems.
4. The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL400-Four Spans(Lapped) for Z400 Sections - Limit state capacity (kN/m)						
SECTION	40024					Def
LOADING	Inward	Outward			BRIDGING	
	0,1,2,3	0	1	2		
6000	11.39	11.39	11.39	11.39	11.39	39.91
6300	10.33	10.33	10.33	10.33	10.33	34.47
6600	9.41	9.41	9.41	9.41	9.41	29.98
6900	8.61	8.61	8.61	8.61	8.61	26.24
7200	7.91	7.91	7.91	7.91	7.91	23.10
7500	7.29	7.29	7.29	7.29	7.29	20.43
7800	6.74	6.74	6.74	6.74	6.74	18.16
8100	6.25	6.25	6.25	6.25	6.25	16.22
8400	5.81	5.81	5.81	5.81	5.81	14.54
8700	5.42	5.42	5.42	5.42	5.42	13.09
9000	5.06	5.06	5.06	5.06	5.06	11.82
9300	4.74	4.74	4.74	4.74	4.74	10.72
9600	4.45	4.45	4.45	4.45	4.45	9.74
9900	4.18	4.18	4.18	4.18	4.18	8.88
10200	3.94	3.94	3.94	3.94	3.94	8.12
10500	3.72	3.72	3.72	3.72	3.72	7.45
10800	3.51	3.51	3.51	3.51	3.51	6.84
11100	3.33	3.33	3.33	3.33	3.33	6.30
11400	3.15	3.15	3.15	3.15	3.15	5.82
11700	2.99	2.99	2.99	2.99	2.99	5.38
12000	2.85	2.85	2.85	2.85	2.85	4.99
12300	2.71	2.71	2.71	2.71	2.71	4.63
12600	2.58	2.58	2.58	2.58	2.58	4.31
12900	2.46	2.46	2.46	2.46	2.46	4.02
13200	2.35	2.35	2.35	2.35	2.35	3.75
13500	2.25	2.25	2.25	2.25	2.25	3.50
13800	2.15	2.15	2.15	2.15	2.15	3.28
14100	2.06	2.06	2.06	2.06	2.06	3.08
14400	1.98	1.98	1.98	1.98	1.98	2.89
14700	1.90	1.90	1.90	1.90	1.90	2.71
15000	1.82	1.82	1.82	1.82	1.82	2.55
15300	1.75	1.75	1.75	1.75	1.75	2.41
15600	1.68	1.68	1.68	1.68	1.68	2.27
15900	1.62	1.62	1.62	1.62	1.62	2.14
16200	1.56	1.56	1.56	1.56	1.56	2.03
16500	1.51	1.51	1.51	1.51	1.51	1.92
16800	1.45	1.45	1.45	1.45	1.45	1.82
17100	1.40	1.40	1.40	1.40	1.40	1.72
17400	1.35	1.35	1.35	1.35	1.35	1.64
17700	1.31	1.31	1.31	1.31	1.31	1.55
18000	1.27	1.27	1.27	1.27	1.27	1.48



NOTES:

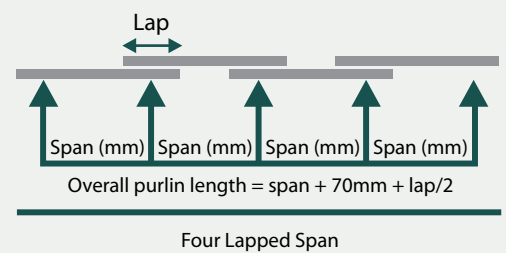
- 1.** The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- 2.** Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- 3.** The loads have been based on the use of approved Metroll sections & bridging systems.
- 4.** The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- 5.** IN = Inward load capacity.
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PURLINS & GIRTS - FOUR LAPPED SPAN

Table FL400-Four Spans(Lapped) for Z400 Sections - Limit state capacity (kN/m)									
SECTION	40030					Def			
LOADING	Inward	Outward			0		1	2	3
BRIDGING	0,1,2,3	0	1	2					
6000	17.34	17.34	17.34	17.34	17.34	51.42			
6300	15.73	15.73	15.73	15.73	15.73	44.41			
6600	14.33	14.33	14.33	14.33	14.33	38.63			
6900	13.11	13.11	13.11	13.11	13.11	33.81			
7200	12.04	12.04	12.04	12.04	12.04	29.75			
7500	11.10	11.10	11.10	11.10	11.10	26.32			
7800	10.26	10.26	10.26	10.26	10.26	23.40			
8100	9.51	9.51	9.51	9.51	9.51	20.90			
8400	8.85	8.85	8.85	8.85	8.85	18.74			
8700	8.25	8.25	8.25	8.25	8.25	16.86			
9000	7.71	7.71	7.71	7.71	7.71	15.23			
9300	7.22	7.22	7.22	7.22	7.22	13.81			
9600	6.77	6.77	6.77	6.77	6.77	12.55			
9900	6.37	6.37	6.37	6.37	6.37	11.45			
10200	6.00	6.00	6.00	6.00	6.00	10.47			
10500	5.66	5.66	5.66	5.66	5.66	9.59			
10800	5.35	5.35	5.35	5.35	5.35	8.82			
11100	5.07	5.07	5.07	5.07	5.07	8.12			
11400	4.80	4.80	4.80	4.80	4.80	7.50			
11700	4.56	4.56	4.56	4.56	4.56	6.93			
12000	4.33	4.33	4.33	4.33	4.33	6.43			
12300	4.13	4.13	4.13	4.13	4.13	5.97			
12600	3.93	3.93	3.93	3.93	3.93	5.55			
12900	3.75	3.75	3.75	3.75	3.75	5.17			
13200	3.58	3.58	3.58	3.58	3.58	4.83			
13500	3.42	3.42	3.42	3.42	3.42	4.51			
13800	3.28	3.28	3.28	3.28	3.28	4.23			
14100	3.14	3.14	3.14	3.14	3.14	3.96			
14400	3.01	3.01	3.01	3.01	3.01	3.72			
14700	2.89	2.89	2.89	2.89	2.89	3.50			
15000	2.77	2.77	2.77	2.77	2.77	3.29			
15300	2.67	2.67	2.67	2.67	2.67	3.10			
15600	2.56	2.56	2.56	2.56	2.56	2.93			
15900	2.47	2.47	2.47	2.47	2.47	2.76			
16200	2.38	2.38	2.38	2.38	2.38	2.61			
16500	2.29	2.29	2.29	2.29	2.29	2.47			
16800	2.21	2.21	2.21	2.21	2.21	2.34			
17100	2.13	2.13	2.13	2.13	2.13	2.22			
17400	2.06	2.06	2.06	2.06	2.06	2.11			
17700	1.99	1.99	1.99	1.99	1.99	2.00			
18000	1.93	1.93	1.93	1.93	1.93	1.90			



NOTES:

- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
- The BOLD HORIZONTAL LINE marks where the overall length of the sections exceeds the normal delivery length (12000 mm nominal).
- IN = Inward load capacity.
OUT = outward load capacity.
DEF. = Load required to give a deflection of $SPAN/150$

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