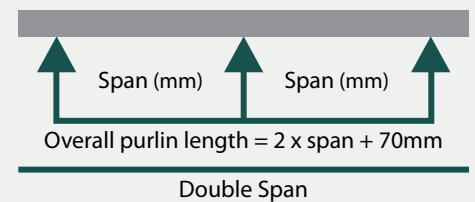


PURLINS & GIRTS - DOUBLE SPAN

Table D100-Double Spans for Z/C100 Sections - Limit state capacity (kN/m)						
SECTION	10010					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	3.53	3.53	3.53	3.53	3.53	9.45
2400	2.70	2.70	2.70	2.70	2.70	6.33
2700	2.13	2.13	2.13	2.13	2.13	4.44
3000	1.73	1.73	1.73	1.73	1.73	3.24
3300	1.43	1.43	1.43	1.43	1.43	2.43
3600	1.20	1.20	1.20	1.20	1.20	1.88
3900	1.02	1.02	1.02	1.02	1.02	1.47
4200	0.88	0.88	0.88	0.88	0.88	1.18
4500	0.77	0.77	0.77	0.77	0.77	0.96
4800	0.67	0.67	0.67	0.67	0.67	0.79
5100	0.60	0.60	0.60	0.60	0.60	0.66
5400	0.53	0.53	0.53	0.53	0.53	0.56
5700	0.48	0.48	0.48	0.48	0.48	0.47

Table D100-Double Spans for Z/C100 Sections - Limit state capacity (kN/m)						
SECTION	10012					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	4.69	4.12	4.69	4.69	4.69	11.70
2400	3.59	3.16	3.59	3.59	3.59	7.84
2700	2.83	2.49	2.83	2.83	2.83	5.50
3000	2.30	2.02	2.30	2.30	2.30	4.01
3300	1.90	1.67	1.90	1.90	1.90	3.01
3600	1.59	1.40	1.59	1.59	1.59	2.32
3900	1.36	1.20	1.36	1.36	1.36	1.83
4200	1.17	1.03	1.17	1.17	1.17	1.46
4500	1.02	0.90	1.02	1.02	1.02	1.19
4800	0.90	0.79	0.90	0.90	0.90	0.98
5100	0.79	0.70	0.79	0.79	0.79	0.82
5400	0.71	0.62	0.71	0.71	0.71	0.69
5700	0.64	0.56	0.64	0.64	0.64	0.58
6000	0.57	0.51	0.57	0.57	0.57	0.50
6300	0.52	0.46	0.52	0.52	0.52	0.43
6600	0.47	0.47	0.47	0.47	0.47	0.38



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

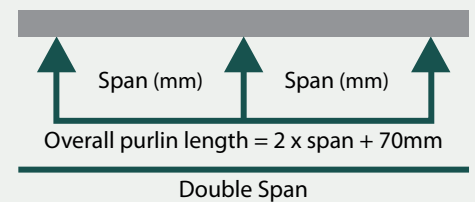
Metroll Newcastle

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D100-Double Spans for Z/C100 Sections - Limit state capacity (kN/m)						
SECTION	10015					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	6.17	4.81	5.61	6.17	6.17	14.92
2400	4.73	3.68	4.30	4.73	4.73	10.00
2700	3.73	2.91	3.40	3.73	3.73	7.02
3000	3.02	2.36	2.75	3.02	3.02	5.12
3300	2.50	1.95	2.27	2.50	2.50	3.84
3600	2.10	1.64	1.91	2.10	2.10	2.96
3900	1.79	1.39	1.63	1.79	1.79	2.33
4200	1.54	1.20	1.40	1.54	1.54	1.87
4500	1.34	1.05	1.22	1.34	1.34	1.52
4800	1.18	0.92	1.07	1.18	1.18	1.25
5100	1.05	0.82	0.95	1.05	1.05	1.04
5400	0.93	0.73	0.85	0.93	0.93	0.88
5700	0.84	0.65	0.76	0.84	0.84	0.75
6000	0.76	0.59	0.69	0.76	0.76	0.64
6300	0.69	0.53	0.62	0.69	0.69	0.55
6600	0.62	0.49	0.57	0.62	0.62	0.48
6900	0.57	0.45	0.52	0.57	0.57	0.42
7200	0.53		0.48	0.53	0.53	0.37
7500	0.48			0.48	0.48	0.33

Table D100-Double Spans for Z/C100 Sections - Limit state capacity (kN/m)						
SECTION	10019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	8.35	6.03	7.03	8.04	8.35	18.69
2400	6.40	4.61	5.38	6.15	6.40	12.52
2700	5.05	3.65	4.25	4.86	5.05	8.79
3000	4.09	2.95	3.45	3.94	4.09	6.41
3300	3.38	2.44	2.85	3.25	3.38	4.82
3600	2.84	2.05	2.39	2.73	2.84	3.71
3900	2.42	1.75	2.04	2.33	2.42	2.92
4200	2.09	1.51	1.76	2.01	2.09	2.34
4500	1.82	1.31	1.53	1.75	1.82	1.90
4800	1.60	1.15	1.35	1.54	1.60	1.57
5100	1.42	1.02	1.19	1.36	1.42	1.30
5400	1.26	0.91	1.06	1.22	1.26	1.10
5700	1.13	0.82	0.95	1.09	1.13	0.93
6000	1.02	0.74	0.86	0.98	1.02	0.80
6300	0.93	0.67	0.78	0.89	0.93	0.69
6600	0.85	0.61	0.71	0.81	0.85	0.60
6900	0.77	0.56	0.65	0.74	0.77	0.53
7200	0.71	0.51	0.60	0.68	0.71	0.46
7500	0.65	0.47	0.55	0.63	0.65	0.41
7800	0.61		0.51	0.58	0.61	0.36
8100	0.56		0.47	0.54	0.56	0.33
8400	0.52			0.50	0.52	0.29
8700	0.49			0.47	0.49	0.26
9000	0.45				0.45	0.24



NOTES:

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

2. Following values of Fy considered for calculating the ultimate loads
 • 1.0 mm BMT Grade AS1397/G550 Z350 - Fy = **550 Mpa**
 • 1.2 mm BMT Grade AS1397/G500 Z350 - Fy = **500 Mpa**
 • 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - Fy = **450 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

Metroll Newcastle

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA

P: +61 (0)2 4954 5799

F: +61 (0)2 4954 0891

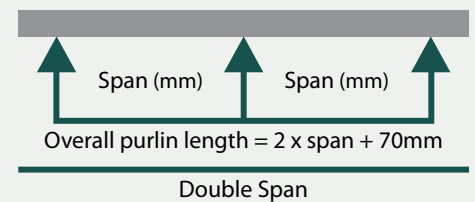
sales@metrollnewcastle.com.au

www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D150-Double Spans for Z/C150 Sections - Limit state capacity (kN/m)						
SECTION	15012					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	6.40	6.40	6.40	6.40	6.40	28.12
2400	5.30	5.30	5.30	5.30	5.30	19.22
2700	4.44	4.44	4.44	4.44	4.44	14.21
3000	3.60	3.60	3.60	3.60	3.60	11.38
3300	2.97	2.97	2.97	2.97	2.97	8.55
3600	2.50	2.50	2.50	2.50	2.50	6.58
3900	2.13	2.13	2.13	2.13	2.13	5.18
4200	1.84	1.84	1.84	1.84	1.84	4.15
4500	1.60	1.60	1.60	1.60	1.60	3.37
4800	1.41	1.41	1.41	1.41	1.41	2.78
5100	1.25	1.25	1.25	1.25	1.25	2.32
5400	1.11	1.11	1.11	1.11	1.11	1.95
5700	1.00	1.00	1.00	1.00	1.00	1.66
6000	0.90	0.90	0.90	0.90	0.90	1.42
6300	0.82	0.82	0.82	0.82	0.82	1.23
6600	0.74	0.74	0.74	0.74	0.74	1.07
6900	0.68	0.68	0.68	0.68	0.68	0.94
7200	0.62	0.62	0.62	0.62	0.62	0.82
7500	0.58	0.58	0.58	0.58	0.58	0.73
7800	0.53	0.53	0.53	0.53	0.53	0.65
8100	0.49	0.49	0.49	0.49	0.49	0.58
8400	0.46		0.46	0.46	0.46	0.52
8700	0.43		0.43	0.43	0.43	0.47
9000	0.40		0.40	0.40	0.40	0.42

Table D100-Double Spans for Z/C100 Sections - Limit state capacity (kN/m)						
SECTION	15015					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
2100	10.10	10.10	10.10	10.10	10.10	38.10
2400	8.29	7.11	8.29	8.29	8.29	29.05
2700	6.55	5.62	6.55	6.55	6.55	20.40
3000	5.30	4.55	5.30	5.30	5.30	14.87
3300	4.38	3.76	4.38	4.38	4.38	11.18
3600	3.68	3.16	3.68	3.68	3.68	8.61
3900	3.14	2.69	3.14	3.14	3.14	6.77
4200	2.71	2.32	2.71	2.71	2.71	5.42
4500	2.36	2.02	2.36	2.36	2.36	4.41
4800	2.07	1.78	2.07	2.07	2.07	3.63
5100	1.84	1.57	1.84	1.84	1.84	3.03
5400	1.64	1.40	1.64	1.64	1.64	2.55
5700	1.47	1.26	1.47	1.47	1.47	2.17
6000	1.33	1.14	1.33	1.33	1.33	1.86
6300	1.20	1.03	1.20	1.20	1.20	1.61
6600	1.10	0.94	1.10	1.10	1.10	1.40
6900	1.00	0.86	1.00	1.00	1.00	1.22
7200	0.92	0.79	0.92	0.92	0.92	1.08
7500	0.85	0.73	0.85	0.85	0.85	0.95
7800	0.78	0.67	0.78	0.78	0.78	0.85
8100	0.73	0.62	0.73	0.73	0.73	0.76
8400	0.68	0.58	0.68	0.68	0.68	0.68
8700	0.63	0.54	0.63	0.63	0.63	0.61
9000	0.59	0.51	0.59	0.59	0.59	0.55



NOTES:

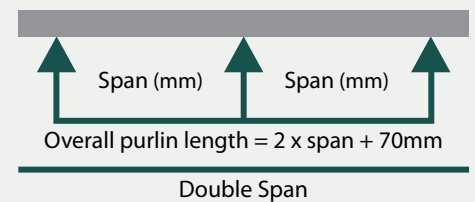
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D150-Double Spans for Z/C150 Sections - Limit state capacity (kN/m)						
SECTION	15019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	7.53	5.96	6.95	7.53	7.53	19.18
3300	6.22	4.92	5.74	6.22	6.22	14.41
3600	5.23	4.14	4.83	5.23	5.23	11.10
3900	4.46	3.53	4.11	4.46	4.46	8.73
4200	3.84	3.04	3.55	3.84	3.84	6.99
4500	3.35	2.65	3.09	3.35	3.35	5.68
4800	2.94	2.33	2.72	2.94	2.94	4.68
5100	2.61	2.06	2.41	2.61	2.61	3.90
5400	2.32	1.84	2.15	2.32	2.32	3.29
5700	2.09	1.65	1.93	2.09	2.09	2.80
6000	1.88	1.49	1.74	1.88	1.88	2.40
6300	1.71	1.35	1.58	1.71	1.71	2.07
6600	1.56	1.23	1.44	1.56	1.56	1.80
6900	1.42	1.13	1.31	1.42	1.42	1.58
7200	1.31	1.03	1.21	1.31	1.31	1.39
7500	1.20	0.95	1.11	1.20	1.20	1.23
7800	1.11	0.88	1.03	1.11	1.11	1.09
8100	1.03	0.82	0.95	1.03	1.03	0.97
8400	0.96	0.76	0.89	0.96	0.96	0.87
8700	0.90	0.71	0.83	0.90	0.90	0.79
9000	0.84	0.66	0.77	0.84	0.84	0.71



NOTES:

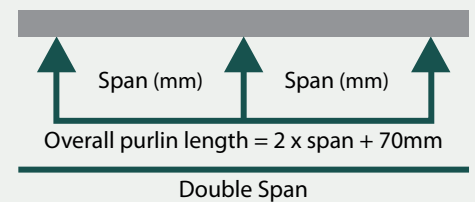
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

Metroll Newcastle

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
sales@metrollnewcastle.com.au
www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D150-Double Spans for Z/C150 Sections - Limit state capacity (kN/m)						
SECTION	15024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	10.24	7.44	8.68	9.92	10.24	24.12
3300	8.47	6.15	7.18	8.20	8.47	18.12
3600	7.11	5.17	6.03	6.89	7.11	13.96
3900	6.06	4.40	5.14	5.87	6.06	10.98
4200	5.23	3.80	4.43	5.06	5.23	8.79
4500	4.55	3.31	3.86	4.41	4.55	7.15
4800	4.00	2.91	3.39	3.88	4.00	5.89
5100	3.54	2.58	3.00	3.43	3.54	4.91
5400	3.16	2.30	2.68	3.06	3.16	4.14
5700	2.84	2.06	2.41	2.75	2.84	3.52
6000	2.56	1.86	2.17	2.48	2.56	3.01
6300	2.32	1.69	1.97	2.25	2.32	2.60
6600	2.12	1.54	1.79	2.05	2.12	2.26
6900	1.94	1.41	1.64	1.88	1.94	1.98
7200	1.78	1.29	1.51	1.72	1.78	1.74
7500	1.64	1.19	1.39	1.59	1.64	1.54
7800	1.52	1.10	1.28	1.47	1.52	1.37
8100	1.41	1.02	1.19	1.36	1.41	1.23
8400	1.31	0.95	1.11	1.27	1.31	1.10
8700	1.22	0.89	1.03	1.18	1.22	0.99
9000	1.14	0.83	0.96	1.10	1.14	0.89
9300	1.07	0.77	0.90	1.03	1.07	0.81
9600	1.00	0.73	0.85	0.97	1.00	0.74
9900	0.94	0.68	0.80	0.91	0.94	0.67
10200	0.89	0.64	0.75	0.86	0.89	0.61
10500	0.84	0.61	0.71	0.81	0.84	0.56
10800	0.79	0.57	0.67	0.77	0.79	0.52
11100	0.75	0.54	0.63	0.72	0.75	0.48
11400	0.71	0.52	0.60	0.69	0.71	0.44
11700	0.67	0.49	0.57	0.65	0.67	0.41
12000	0.64	0.47	0.54	0.62	0.64	0.38



NOTES:

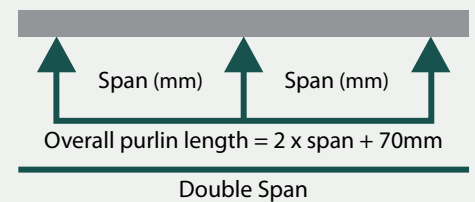
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 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
- The loads have been based on the use of approved Metroll sections & bridging systems.
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Metroll Newcastle

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
sales@metrollnewcastle.com.au
www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D200-Double Spans for Z/C200 Sections - Limit state capacity (kN/m)						
SECTION	20015					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	6.09	6.09	6.09	6.09	6.09	31.47
3300	5.26	5.26	5.26	5.26	5.26	23.64
3600	4.42	4.42	4.42	4.42	4.42	18.21
3900	3.76	3.76	3.76	3.76	3.76	14.32
4200	3.25	3.25	3.25	3.25	3.25	11.47
4500	2.83	2.83	2.83	2.83	2.83	9.32
4800	2.49	2.49	2.49	2.49	2.49	7.68
5100	2.20	2.20	2.20	2.20	2.20	6.41
5400	1.96	1.96	1.96	1.96	1.96	5.40
5700	1.76	1.76	1.76	1.76	1.76	4.59
6000	1.59	1.59	1.59	1.59	1.59	3.93
6300	1.44	1.44	1.44	1.44	1.44	3.40
6600	1.31	1.31	1.31	1.31	1.31	2.96
6900	1.20	1.20	1.20	1.20	1.20	2.59
7200	1.10	1.10	1.10	1.10	1.10	2.28
7500	1.02	1.02	1.02	1.02	1.02	2.01
7800	0.94	0.94	0.94	0.94	0.94	1.79
8100	0.87	0.87	0.87	0.87	0.87	1.60
8400	0.81	0.81	0.81	0.81	0.81	1.43
8700	0.76	0.76	0.76	0.76	0.76	1.29
9000	0.71	0.71	0.71	0.71	0.71	1.17



NOTES:

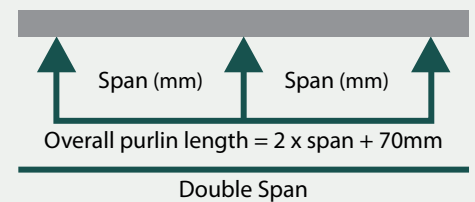
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

Metroll Newcastle

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D200-Double Spans for Z/C200 Sections - Limit state capacity (kN/m)						
SECTION	20019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3000	10.50	9.40	10.50	10.50	10.50	42.05
3300	9.16	7.97	9.16	9.16	9.16	31.59
3600	7.70	6.70	7.70	7.70	7.70	24.33
3900	6.56	5.71	6.56	6.56	6.56	19.14
4200	5.66	4.92	5.66	5.66	5.66	15.32
4500	4.93	4.29	4.93	4.93	4.93	12.46
4800	4.33	3.77	4.33	4.33	4.33	10.27
5100	3.84	3.34	3.84	3.84	3.84	8.56
5400	3.42	2.98	3.42	3.42	3.42	7.21
5700	3.07	2.67	3.07	3.07	3.07	6.13
6000	2.77	2.41	2.77	2.77	2.77	5.26
6300	2.51	2.19	2.51	2.51	2.51	4.54
6600	2.29	1.99	2.29	2.29	2.29	3.95
6900	2.10	1.82	2.10	2.10	2.10	3.46
7200	1.92	1.67	1.92	1.92	1.92	3.04
7500	1.77	1.54	1.77	1.77	1.77	2.69
7800	1.64	1.43	1.64	1.64	1.64	2.39
8100	1.52	1.32	1.52	1.52	1.52	2.14
8400	1.41	1.23	1.41	1.41	1.41	1.92
8700	1.32	1.15	1.32	1.32	1.32	1.72
9000	1.23	1.07	1.23	1.23	1.23	1.56
9300	1.15	1.00	1.15	1.15	1.15	1.41
9600	1.08	0.94	1.08	1.08	1.08	1.28
9900	1.02	0.89	1.02	1.02	1.02	1.17
10200	0.96	0.83	0.96	0.96	0.96	1.07
10500	0.90	0.79	0.90	0.90	0.90	0.98
10800	0.86	0.74	0.86	0.86	0.86	0.90
11100	0.81	0.70	0.81	0.81	0.81	0.83
11400	0.77	0.67	0.77	0.77	0.77	0.77
11700	0.73	0.63	0.73	0.73	0.73	0.71
12000	0.69	0.60	0.69	0.69	0.69	0.66



NOTES:

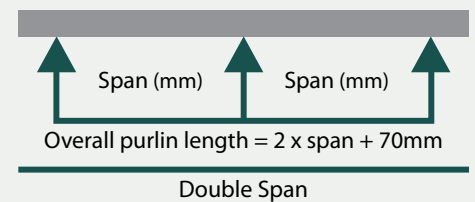
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D200-Double Spans for Z/C200 Sections - Limit state capacity (kN/m)						
SECTION	20024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
3600	11.18	8.75	10.21	11.18	11.18	31.44
3900	9.52	7.46	8.70	9.52	9.52	24.73
4200	8.21	6.43	7.50	8.21	8.21	19.80
4500	7.15	5.60	6.54	7.15	7.15	16.10
4800	6.29	4.92	5.75	6.29	6.29	13.26
5100	5.57	4.36	5.09	5.57	5.57	11.06
5400	4.97	3.89	4.54	4.97	4.97	9.32
5700	4.46	3.49	4.07	4.46	4.46	7.92
6000	4.02	3.15	3.68	4.02	4.02	6.79
6300	3.65	2.86	3.34	3.65	3.65	5.87
6600	3.33	2.60	3.04	3.33	3.33	5.10
6900	3.04	2.38	2.78	3.04	3.04	4.47
7200	2.79	2.19	2.55	2.79	2.79	3.93
7500	2.58	2.02	2.35	2.58	2.58	3.48
7800	2.38	1.86	2.18	2.38	2.38	3.09
8100	2.21	1.73	2.02	2.21	2.21	2.76
8400	2.05	1.61	1.88	2.05	2.05	2.47
8700	1.91	1.50	1.75	1.91	1.91	2.23
9000	1.79	1.40	1.63	1.79	1.79	2.01
9300	1.67	1.31	1.53	1.67	1.67	1.82
9600	1.57	1.23	1.44	1.57	1.57	1.66
9900	1.48	1.16	1.35	1.48	1.48	1.51
10200	1.39	1.09	1.27	1.39	1.39	1.38
10500	1.31	1.03	1.20	1.31	1.31	1.27
10800	1.24	0.97	1.13	1.24	1.24	1.16
11100	1.18	0.92	1.07	1.18	1.18	1.07
11400	1.11	0.87	1.02	1.11	1.11	0.99
11700	1.06	0.83	0.97	1.06	1.06	0.92
12000	1.01	0.79	0.92	1.01	1.01	0.85



NOTES:

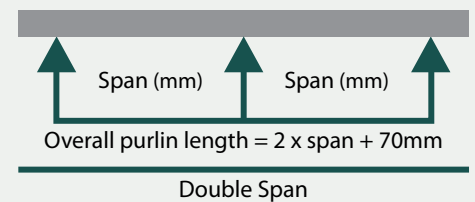
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D250-Double Spans for Z/C250 Sections - Limit state capacity (kN/m)						
SECTION	25019					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
4500	6.12	5.81	6.12	6.12	6.12	21.06
4800	5.38	5.11	5.38	5.38	5.38	17.36
5100	4.76	4.52	4.76	4.76	4.76	14.47
5400	4.25	4.04	4.25	4.25	4.25	12.19
5700	3.81	3.62	3.81	3.81	3.81	10.36
6000	3.44	3.27	3.44	3.44	3.44	8.89
6300	3.12	2.96	3.12	3.12	3.12	7.68
6600	2.84	2.70	2.84	2.84	2.84	6.68
6900	2.60	2.47	2.60	2.60	2.60	5.84
7200	2.39	2.27	2.39	2.39	2.39	5.14
7500	2.20	2.09	2.20	2.20	2.20	4.55
7800	2.04	1.93	2.04	2.04	2.04	4.04
8100	1.89	1.79	1.89	1.89	1.89	3.61
8400	1.76	1.67	1.76	1.76	1.76	3.24
8700	1.64	1.55	1.64	1.64	1.64	2.91
9000	1.53	1.45	1.53	1.53	1.53	2.63
9300	1.43	1.36	1.43	1.43	1.43	2.39
9600	1.34	1.28	1.34	1.34	1.34	2.17
9900	1.26	1.20	1.26	1.26	1.26	1.98
10200	1.19	1.13	1.19	1.19	1.19	1.81
10500	1.12	1.07	1.12	1.12	1.12	1.66
10800	1.06	1.01	1.06	1.06	1.06	1.52
11100	1.01	0.96	1.01	1.01	1.01	1.40
11400	0.95	0.91	0.95	0.95	0.95	1.30
11700	0.90	0.86	0.90	0.90	0.90	1.20
12000	0.86	0.82	0.86	0.86	0.86	1.11



NOTES:

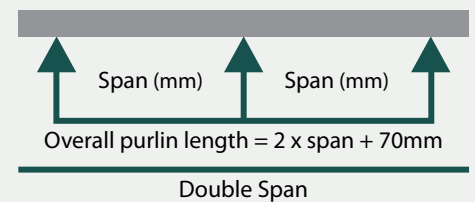
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 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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 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
sales@metrollnewcastle.com.au
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PURLINS & GIRTS - DOUBLE SPAN

Table D250-Double Spans for Z/C250 Sections - Limit state capacity (kN/m)						
SECTION	25024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
4500	9.25	7.59	8.85	9.25	9.25	27.23
4800	8.13	6.67	7.78	8.13	8.13	22.44
5100	7.20	5.91	6.89	7.20	7.20	18.71
5400	6.42	5.27	6.15	6.42	6.42	15.76
5700	5.76	4.73	5.52	5.76	5.76	13.40
6000	5.20	4.27	4.98	5.20	5.20	11.49
6300	4.72	3.87	4.52	4.72	4.72	9.92
6600	4.30	3.53	4.12	4.30	4.30	8.63
6900	3.93	3.23	3.77	3.93	3.93	7.55
7200	3.61	2.96	3.46	3.61	3.61	6.65
7500	3.33	2.73	3.19	3.33	3.33	5.88
7800	3.08	2.53	2.95	3.08	3.08	5.23
8100	2.85	2.34	2.73	2.85	2.85	4.67
8400	2.65	2.18	2.54	2.65	2.65	4.19
8700	2.47	2.03	2.37	2.47	2.47	3.77
9000	2.31	1.90	2.21	2.31	2.31	3.40
9300	2.17	1.78	2.07	2.17	2.17	3.09
9600	2.03	1.67	1.95	2.03	2.03	2.80
9900	1.91	1.57	1.83	1.91	1.91	2.56
10200	1.80	1.48	1.72	1.80	1.80	2.34
10500	1.70	1.39	1.63	1.70	1.70	2.14
10800	1.61	1.32	1.54	1.61	1.61	1.97
11100	1.52	1.25	1.46	1.52	1.52	1.81
11400	1.44	1.18	1.38	1.44	1.44	1.68
11700	1.37	1.12	1.31	1.37	1.37	1.55
12000	1.30	1.07	1.25	1.30	1.30	1.44



NOTES:

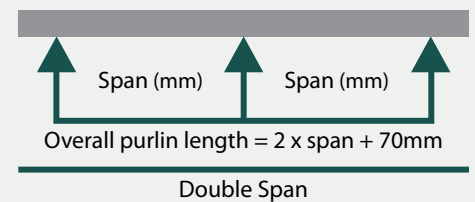
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- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
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 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D300-Double Spans for Z/C300 Sections - Limit state capacity (kN/m)						
SECTION	30024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	7.07	6.11	7.07	7.07	7.07	19.71
6300	6.42	5.54	6.42	6.42	6.42	17.03
6600	5.85	5.05	5.85	5.85	5.85	14.81
6900	5.35	4.62	5.35	5.35	5.35	12.96
7200	4.91	4.24	4.91	4.91	4.91	11.41
7500	4.53	3.91	4.53	4.53	4.53	10.09
7800	4.19	3.62	4.19	4.19	4.19	8.97
8100	3.88	3.35	3.88	3.88	3.88	8.01
8400	3.61	3.12	3.61	3.61	3.61	7.18
8700	3.36	2.91	3.36	3.36	3.36	6.47
9000	3.14	2.72	3.14	3.14	3.14	5.84
9300	2.94	2.54	2.94	2.94	2.94	5.29
9600	2.76	2.39	2.76	2.76	2.76	4.81
9900	2.60	2.24	2.60	2.60	2.60	4.39
10200	2.45	2.11	2.45	2.45	2.45	4.01
10500	2.31	2.00	2.31	2.31	2.31	3.68
10800	2.18	1.89	2.18	2.18	2.18	3.38
11100	2.07	1.79	2.07	2.07	2.07	3.11
11400	1.96	1.69	1.96	1.96	1.96	2.87
11700	1.86	1.61	1.86	1.86	1.86	2.66
12000	1.77	1.53	1.77	1.77	1.77	2.46
12300	1.68	1.45	1.68	1.68	1.68	2.29
12600	1.60	1.39	1.60	1.60	1.60	2.13
12900	1.53	1.32	1.53	1.53	1.53	1.98
13200	1.46	1.26	1.46	1.46	1.46	1.85
13500	1.40	1.21	1.40	1.40	1.40	1.73
13800	1.34	1.16	1.34	1.34	1.34	1.62
14100	1.28	1.11	1.28	1.28	1.28	1.52
14400	1.23	1.06	1.23	1.23	1.23	1.43
14700	1.18	1.02	1.18	1.18	1.18	1.34
15000	1.13	0.98	1.13	1.13	1.13	1.26
15300	1.09	0.94	1.09	1.09	1.09	1.19
15600	1.05	0.90	1.05	1.05	1.05	1.12
15900	1.01	0.87	1.01	1.01	1.01	1.06
16200	0.97	0.84	0.97	0.97	0.97	1.00
16500	0.94	0.81	0.94	0.94	0.94	0.95
16800	0.90	0.78	0.90	0.90	0.90	0.90
17100	0.87	0.75	0.87	0.87	0.87	0.85
17400	0.84	0.73	0.84	0.84	0.84	0.81
17700	0.81	0.70	0.81	0.81	0.81	0.77
18000	0.79	0.68	0.79	0.79	0.79	0.73



NOTES:

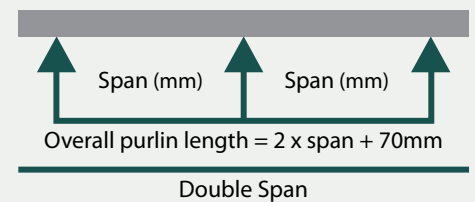
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 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 3.0 mm BMT Grade AS1397/G450 Z350 - $F_y = 450 \text{ Mpa}$
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 AUSTRALIA
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PURLINS & GIRTS - DOUBLE SPAN

Table D300-Double Spans for Z/C300 Sections - Limit state capacity (kN/m)						
SECTION	30030					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	10.14	8.01	9.34	10.14	10.14	25.43
6300	9.20	7.26	8.47	9.20	9.20	21.97
6600	8.38	6.62	7.72	8.38	8.38	19.11
6900	7.67	6.06	7.06	7.67	7.67	16.72
7200	7.04	5.56	6.49	7.04	7.04	14.72
7500	6.49	5.13	5.98	6.49	6.49	13.02
7800	6.00	4.74	5.53	6.00	6.00	11.58
8100	5.56	4.39	5.13	5.56	5.56	10.34
8400	5.17	4.09	4.77	5.17	5.17	9.27
8700	4.82	3.81	4.44	4.82	4.82	8.34
9000	4.51	3.56	4.15	4.51	4.51	7.54
9300	4.22	3.33	3.89	4.22	4.22	6.83
9600	3.96	3.13	3.65	3.96	3.96	6.21
9900	3.72	2.94	3.43	3.72	3.72	5.66
10200	3.51	2.77	3.23	3.51	3.51	5.18
10500	3.31	2.61	3.05	3.31	3.31	4.75
10800	3.13	2.47	2.88	3.13	3.13	4.36
11100	2.96	2.34	2.73	2.96	2.96	4.02
11400	2.81	2.22	2.59	2.81	2.81	3.71
11700	2.67	2.11	2.46	2.67	2.67	3.43
12000	2.54	2.00	2.34	2.54	2.54	3.18
12300	2.41	1.91	2.22	2.41	2.41	2.95
12600	2.30	1.82	2.12	2.30	2.30	2.75
12900	2.19	1.73	2.02	2.19	2.19	2.56
13200	2.10	1.65	1.93	2.10	2.10	2.39
13500	2.00	1.58	1.85	2.00	2.00	2.23
13800	1.92	1.51	1.77	1.92	1.92	2.09
14100	1.84	1.45	1.69	1.84	1.84	1.96
14400	1.76	1.39	1.62	1.76	1.76	1.84
14700	1.69	1.33	1.56	1.69	1.69	1.73
15000	1.62	1.28	1.49	1.62	1.62	1.63
15300	1.56	1.23	1.44	1.56	1.56	1.53
15600	1.50	1.18	1.38	1.50	1.50	1.45
15900	1.44	1.14	1.33	1.44	1.44	1.37
16200	1.39	1.10	1.28	1.39	1.39	1.29
16500	1.34	1.06	1.24	1.34	1.34	1.22
16800	1.29	1.02	1.19	1.29	1.29	1.16
17100	1.25	0.99	1.15	1.25	1.25	1.10
17400	1.21	0.95	1.11	1.21	1.21	1.04
17700	1.17	0.92	1.07	1.17	1.17	0.99
18000	1.13	0.89	1.04	1.13	1.13	0.94



NOTES:

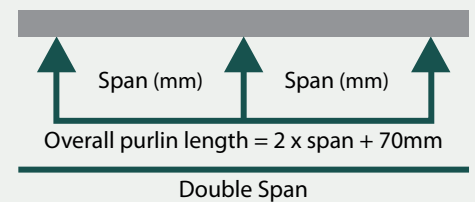
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D350-Double Spans for Z/C350 Sections - Limit state capacity (kN/m)						
SECTION	35030					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	11.90	10.80	11.90	11.90	11.90	40.95
6300	11.07	9.80	11.07	11.07	11.07	35.38
6600	10.09	8.93	10.09	10.09	10.09	30.77
6900	9.23	8.17	9.23	9.23	9.23	26.93
7200	8.48	7.50	8.48	8.48	8.48	23.70
7500	7.81	6.91	7.81	7.81	7.81	20.97
7800	7.22	6.39	7.22	7.22	7.22	18.64
8100	6.70	5.93	6.70	6.70	6.70	16.65
8400	6.23	5.51	6.23	6.23	6.23	14.93
8700	5.81	5.14	5.81	5.81	5.81	13.43
9000	5.42	4.80	5.42	5.42	5.42	12.13
9300	5.08	4.50	5.08	5.08	5.08	11.00
9600	4.77	4.22	4.77	4.77	4.77	10.00
9900	4.48	3.97	4.48	4.48	4.48	9.12
10200	4.22	3.74	4.22	4.22	4.22	8.34
10500	3.99	3.53	3.99	3.99	3.99	7.64
10800	3.77	3.33	3.77	3.77	3.77	7.02
11100	3.57	3.16	3.57	3.57	3.57	6.47
11400	3.38	2.99	3.38	3.38	3.38	5.97
11700	3.21	2.84	3.21	3.21	3.21	5.52
12000	3.05	2.70	3.05	3.05	3.05	5.12
12300	2.90	2.57	2.90	2.90	2.90	4.75
12600	2.77	2.45	2.77	2.77	2.77	4.42
12900	2.64	2.34	2.64	2.64	2.64	4.12
13200	2.52	2.23	2.52	2.52	2.52	3.85
13500	2.41	2.13	2.41	2.41	2.41	3.60
13800	2.31	2.04	2.31	2.31	2.31	3.37
14100	2.21	1.96	2.21	2.21	2.21	3.16
14400	2.12	1.87	2.12	2.12	2.12	2.96
14700	2.03	1.80	2.03	2.03	2.03	2.78
15000	1.95	1.73	1.95	1.95	1.95	2.62
15300	1.88	1.66	1.88	1.88	1.88	2.47
15600	1.81	1.60	1.81	1.81	1.81	2.33
15900	1.74	1.54	1.74	1.74	1.74	2.20
16200	1.67	1.48	1.67	1.67	1.67	2.08
16500	1.61	1.43	1.61	1.61	1.61	1.97
16800	1.56	1.38	1.56	1.56	1.56	1.87
17100	1.50	1.33	1.50	1.50	1.50	1.77
17400	1.45	1.28	1.45	1.45	1.45	1.68
17700	1.40	1.24	1.40	1.40	1.40	1.60
18000	1.36	1.20	1.36	1.36	1.36	1.52



NOTES:

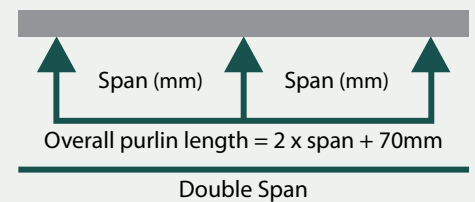
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
sales@metrollnewcastle.com.au
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PURLINS & GIRTS - DOUBLE SPAN

Table D350-Double Spans for Z/C350 Sections - Limit state capacity (kN/m)						
SECTION	35024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	8.60	8.25	8.60	8.60	8.60	31.98
6300	7.80	7.48	7.80	7.80	7.80	27.62
6600	7.11	6.82	7.11	7.11	7.11	24.02
6900	6.51	6.24	6.51	6.51	6.51	21.03
7200	5.97	5.73	5.97	5.97	5.97	18.50
7500	5.51	5.28	5.51	5.51	5.51	16.37
7800	5.09	4.88	5.09	5.09	5.09	14.55
8100	4.72	4.53	4.72	4.72	4.72	13.00
8400	4.39	4.21	4.39	4.39	4.39	11.65
8700	4.09	3.92	4.09	4.09	4.09	10.49
9000	3.82	3.67	3.82	3.82	3.82	9.47
9300	3.58	3.43	3.58	3.58	3.58	8.59
9600	3.36	3.22	3.36	3.36	3.36	7.81
9900	3.16	3.03	3.16	3.16	3.16	7.12
10200	2.98	2.85	2.98	2.98	2.98	6.51
10500	2.81	2.69	2.81	2.81	2.81	5.97
10800	2.66	2.55	2.66	2.66	2.66	5.48
11100	2.51	2.41	2.51	2.51	2.51	5.05
11400	2.38	2.28	2.38	2.38	2.38	4.66
11700	2.26	2.17	2.26	2.26	2.26	4.31
12000	2.15	2.06	2.15	2.15	2.15	4.00
12300	2.05	1.96	2.05	2.05	2.05	3.71
12600	1.95	1.87	1.95	1.95	1.95	3.45
12900	1.86	1.78	1.86	1.86	1.86	3.22
13200	1.78	1.70	1.78	1.78	1.78	3.00
13500	1.70	1.63	1.70	1.70	1.70	2.81
13800	1.63	1.56	1.63	1.63	1.63	2.63
14100	1.56	1.49	1.56	1.56	1.56	2.46
14400	1.49	1.43	1.49	1.49	1.49	2.31
14700	1.43	1.37	1.43	1.43	1.43	2.17
15000	1.38	1.32	1.38	1.38	1.38	2.05
15300	1.32	1.27	1.32	1.32	1.32	1.93
15600	1.27	1.22	1.27	1.27	1.27	1.82
15900	1.23	1.17	1.23	1.23	1.23	1.72
16200	1.18	1.13	1.18	1.18	1.18	1.62
16500	1.14	1.09	1.14	1.14	1.14	1.54
16800	1.10	1.05	1.10	1.10	1.10	1.46
17100	1.06	1.02	1.06	1.06	1.06	1.38
17400	1.02	0.98	1.02	1.02	1.02	1.31
17700	0.99	0.95	0.99	0.99	0.99	1.25
18000	0.96	0.92	0.96	0.96	0.96	1.18



NOTES:

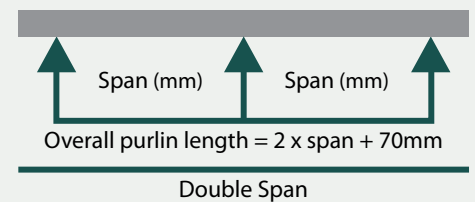
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4,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

ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
 sales@metrollnewcastle.com.au
 www.metrollnewcastle.com.au

PURLINS & GIRTS - DOUBLE SPAN

Table D400-Double Spans for Z/C400 Sections - Limit state capacity (kN/m)						
SECTION	40024					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	9.63	9.63	9.63	9.63	9.63	43.88
6300	8.73	8.73	8.73	8.73	8.73	37.90
6600	7.96	7.96	7.96	7.96	7.96	32.97
6900	7.28	7.28	7.28	7.28	7.28	28.85
7200	6.69	6.69	6.69	6.69	6.69	25.39
7500	6.16	6.16	6.16	6.16	6.16	22.47
7800	5.70	5.70	5.70	5.70	5.70	19.97
8100	5.28	5.28	5.28	5.28	5.28	17.83
8400	4.91	4.91	4.91	4.91	4.91	15.99
8700	4.58	4.58	4.58	4.58	4.58	14.39
9000	4.28	4.28	4.28	4.28	4.28	13.00
9300	4.01	4.01	4.01	4.01	4.01	11.78
9600	3.76	3.76	3.76	3.76	3.76	10.71
9900	3.54	3.54	3.54	3.54	3.54	9.77
10200	3.33	3.33	3.33	3.33	3.33	8.93
10500	3.14	3.14	3.14	3.14	3.14	8.19
10800	2.97	2.97	2.97	2.97	2.97	7.52
11100	2.81	2.81	2.81	2.81	2.81	6.93
11400	2.67	2.67	2.67	2.67	2.67	6.40
11700	2.53	2.53	2.53	2.53	2.53	5.92
12000	2.41	2.41	2.41	2.41	2.41	5.48
12300	2.29	2.29	2.29	2.29	2.29	5.09
12600	2.18	2.18	2.18	2.18	2.18	4.74
12900	2.08	2.08	2.08	2.08	2.08	4.42
13200	1.99	1.99	1.99	1.99	1.99	4.12
13500	1.90	1.90	1.90	1.90	1.90	3.85
13800	1.82	1.82	1.82	1.82	1.82	3.61
14100	1.74	1.74	1.74	1.74	1.74	3.38
14400	1.67	1.67	1.67	1.67	1.67	3.17
14700	1.60	1.60	1.60	1.60	1.60	2.98
15000	1.54	1.54	1.54	1.54	1.54	2.81
15300	1.48	1.48	1.48	1.48	1.48	2.65
15600	1.42	1.42	1.42	1.42	1.42	2.50
15900	1.37	1.37	1.37	1.37	1.37	2.36
16200	1.32	1.32	1.32	1.32	1.32	2.23
16500	1.27	1.27	1.27	1.27	1.27	2.11
16800	1.23	1.23	1.23	1.23	1.23	2.00
17100	1.19	1.19	1.19	1.19	1.19	1.90
17400	1.14	1.14	1.14	1.14	1.14	1.80
17700	1.11	1.11	1.11	1.11	1.11	1.71
18000	1.07	1.07	1.07	1.07	1.07	1.63



NOTES:

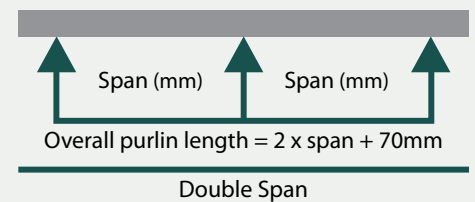
- The loads have been based on the Standard AS/NZS 4600:1996 using Limit State method
- Following values of F_y considered for calculating the ultimate loads
 - 1.0 mm BMT Grade AS1397/G550 Z350 - $F_y = 550 \text{ Mpa}$
 - 1.2 mm BMT Grade AS1397/G500 Z350 - $F_y = 500 \text{ Mpa}$
 - 1.5, 1.9, 2.4, 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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 WARNERS BAY NSW 2282
 AUSTRALIA
 P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
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PURLINS & GIRTS - DOUBLE SPAN

Table D400-Double Spans for Z/C400 Sections - Limit state capacity (kN/m)						
SECTION	40030					
LOADING	Inward	Outward				Def
BRIDGING	0,1,2,3	0	1	2	3	
6000	14.43	13.08	14.43	14.43	14.43	56.52
6300	13.09	11.86	13.09	13.09	13.09	48.83
6600	11.93	10.81	11.93	11.93	11.93	42.47
6900	10.91	9.89	10.91	10.91	10.91	37.16
7200	10.02	9.08	10.02	10.02	10.02	32.71
7500	9.24	8.37	9.24	9.24	9.24	28.94
7800	8.54	7.74	8.54	8.54	8.54	25.73
8100	7.92	7.18	7.92	7.92	7.92	22.97
8400	7.36	6.67	7.36	7.36	7.36	20.60
8700	6.87	6.22	6.87	6.87	6.87	18.54
9000	6.42	5.81	6.42	6.42	6.42	16.75
9300	6.01	5.44	6.01	6.01	6.01	15.18
9600	5.64	5.11	5.64	5.64	5.64	13.80
9900	5.30	4.80	5.30	5.30	5.30	12.58
10200	4.99	4.53	4.99	4.99	4.99	11.50
10500	4.71	4.27	4.71	4.71	4.71	10.55
10800	4.46	4.04	4.46	4.46	4.46	9.69
11100	4.22	3.82	4.22	4.22	4.22	8.93
11400	4.00	3.62	4.00	4.00	4.00	8.24
11700	3.80	3.44	3.80	3.80	3.80	7.62
12000	3.61	3.27	3.61	3.61	3.61	7.07
12300	3.43	3.11	3.43	3.43	3.43	6.56
12600	3.27	2.97	3.27	3.27	3.27	6.10
12900	3.12	2.83	3.12	3.12	3.12	5.69
13200	2.98	2.70	2.98	2.98	2.98	5.31
13500	2.85	2.58	2.85	2.85	2.85	4.96
13800	2.73	2.47	2.73	2.73	2.73	4.65
14100	2.61	2.37	2.61	2.61	2.61	4.36
14400	2.51	2.27	2.51	2.51	2.51	4.09
14700	2.40	2.18	2.40	2.40	2.40	3.84
15000	2.31	2.09	2.31	2.31	2.31	3.62
15300	2.22	2.01	2.22	2.22	2.22	3.41
15600	2.14	1.93	2.14	2.14	2.14	3.22
15900	2.06	1.86	2.06	2.06	2.06	3.04
16200	1.98	1.79	1.98	1.98	1.98	2.87
16500	1.91	1.73	1.91	1.91	1.91	2.72
16800	1.84	1.67	1.84	1.84	1.84	2.57
17100	1.78	1.61	1.78	1.78	1.78	2.44
17400	1.72	1.56	1.72	1.72	1.72	2.32
17700	1.66	1.50	1.66	1.66	1.66	2.20
18000	1.60	1.45	1.60	1.60	1.60	2.09



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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