

SUMMERMORE Pty Ltd ABN 42 108 898 433
PO Box 1671
Browns Plains BC
Queensland, 4118
Tel: 07 3800 0973
W: www.summermore.com.au

Tuesday, 12 May 2020

Austratus
150 Toongarra Rd,
Ipswich,
QLD, 4305

AUSTRATUS SPAN TABLES - (20-21270)


The following tables for the aluminium TCR rail, aluminium fins and stainless steel clips are to be used in conjunction with Austratus Generic Design Drawings for the Suspended Rail System and the following notes.

GENERAL NOTES:

1. The provided span tables are not suitable for any profiles, spacings or materials outside of those specified. If alternative profiles, spacings or materials are required other than those shown in the provided tables, contact Summermore Pty Ltd for Site Specific Span Limits.
2. The span tables are suitable **only for interior environments** where there is to be no wind loading to the system.
3. Individual profiles are **not to exceed 6000mm in Length and are to be \leq 10kg in Weight (Refer to Tables on Page 4 for maximum individual profile lengths)**.
4. The provided tables **do not take into account** any additional loading from **Acoustic Batts, Insulation or Services**. If any of these systems are required to be supported by the Austratus Rail System please contact Summermore Pty Ltd for Site Specific Advice and Spans.

DIRECT FIXING PROFILE NOTES:

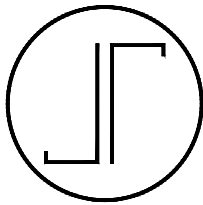
1. The provided tables are not suitable for any profiles, spacings or materials outside of those specified. If alternative profiles, spacings or materials are required other than those shown in the provided tables, contact Summermore Pty Ltd for Site Specific Span Limits.
2. The span tables are suitable **only for interior environments with Wind Load** where the System **is directly fixed to the substructure (i.e Foyer Areas)**.
3. Individual profiles are **not to exceed 6000mm in Length and are to be \leq 10kg in Weight (Refer to Tables on Page 4 for maximum individual profile lengths)**.
4. Profiles installed in a vertical orientation are to be supported/permanently fixed in place to prevent any vertical movement once installed.


Ronald Bell
FIEAust (891940), CMEngNZ (1027605), CPEng, NER, APEC Engineer, IntPE(Aus).
Director
Summermore Pty Ltd



REGISTERED
Building Practitioner

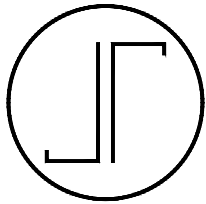




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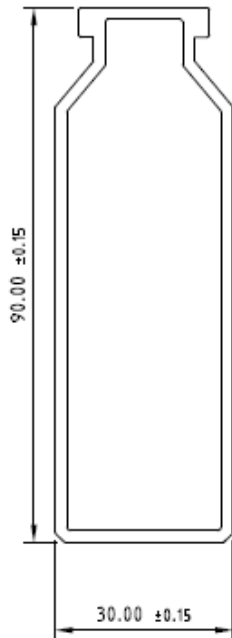
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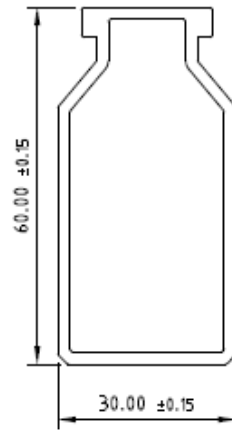
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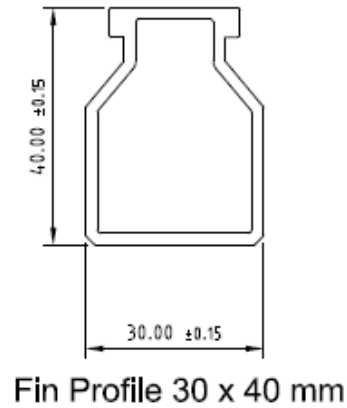
AVAILABLE AUSTRATUS PROFILES



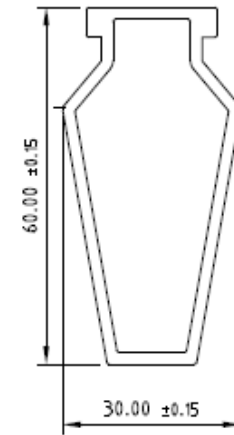
Fin Profile 30 x 90 mm



Fin Profile 30 x 60 mm

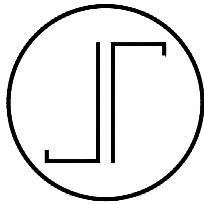


Fin Profile 30 x 40 mm



Truncated Fin Profile 30 x 60 mm

These profiles are available in lengths of 6000 millimetres.



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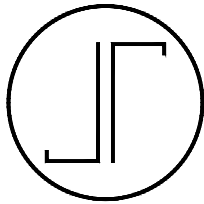
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AUSTRATUS ALUMINIUM PROFILE SPAN TABLES

Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
600	45	3170	3670	4180	3810
	60	3660	4240	4830	4400
	75	4090	4740	5400	4920
	90	4480	5200	5920	5390
	100	4730	5480	6240	5680
	110	4960	5750	6540	5960
	120	5180	6000	6840	6220
	130	5390	6250	7030	6480
	140	5590	6480	7030	6720
	150	5790	6710	7030	6960
	160	5980	6930	7030	7190
	170	6170	7150	7030	7410
	180	6340	7350	7030	7620
	190	6520	7550	7030	7830
200	6690	7750	7030	8040	
900	45	2590	3000	3420	3110
	60	2990	3460	3940	3590
	75	3340	3870	4410	4020
	90	3660	4240	4830	4400
	100	3860	4470	5090	4640
	110	4050	4690	5340	4860
	120	4230	4900	5580	5080
	130	4400	5100	5810	5290
	140	4570	5290	6030	5490
	150	4730	5480	6240	5680
	160	4880	5660	6440	5870
	170	5030	5830	6640	6050
	180	5180	6000	6840	6220
	190	5320	6170	7020	6390
200	5460	6330	7030	6560	



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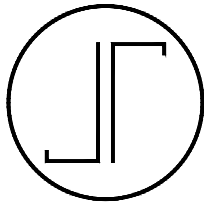
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Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
1200	45	2240	2600	2960	2690
	60	2590	3000	3420	3110
	75	2890	3350	3820	3480
	90	3170	3670	4180	3810
	100	3340	3870	4410	4020
	110	3500	4060	4630	4210
	120	3660	4240	4830	4400
	130	3810	4420	5030	4580
	140	3950	4580	5220	4750
	150	4090	4740	5400	4920
	160	4230	4900	5580	5080
	170	4360	5050	5750	5240
	180	4480	5200	5920	5390
	190	4610	5340	6080	5540
200	4730	5480	6240	5680	
1500	45	2000	2320	2640	2410
	60	2310	2680	3050	2780
	75	2590	3000	3420	3110
	90	2830	3290	3740	3410
	100	2990	3460	3940	3590
	110	3130	3630	4140	3770
	120	3270	3790	4320	3930
	130	3410	3950	4500	4100
	140	3540	4100	4670	4250
	150	3660	4240	4830	4400
	160	3780	4380	4990	4540
	170	3900	4520	5140	4680
	180	4010	4650	5290	4820
	190	4120	4780	5440	4950
200	4230	4900	5580	5080	



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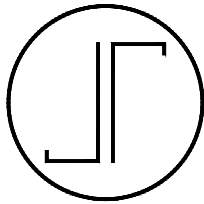
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Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
1800	45	1830	2120	2410	2200
	60	2110	2450	2790	2540
	75	2360	2740	3120	2840
	90	2590	3000	3420	3110
	100	2730	3160	3600	3280
	110	2860	3320	3780	3440
	120	2990	3460	3940	3590
	130	3110	3610	4110	3740
	140	3230	3740	4260	3880
	150	3340	3870	4410	4020
	160	3450	4000	4560	4150
	170	3560	4120	4700	4280
	180	3660	4240	4830	4400
	190	3760	4360	4960	4520
200	3860	4470	5090	4640	
2100	45	1690	1960	2230	2030
	60	1950	2270	2580	2350
	75	2190	2530	2890	2630
	90	2390	2780	3160	2880
	100	2520	2930	3330	3030
	110	2650	3070	3500	3180
	120	2770	3210	3650	3320
	130	2880	3340	3800	3460
	140	2990	3460	3940	3590
	150	3090	3590	4080	3720
	160	3190	3700	4220	3840
	170	3290	3820	4350	3960
	180	3390	3930	4470	4070
	190	3480	4040	4600	4180
200	3570	4140	4720	4290	



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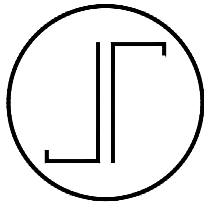
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Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
2400	45	1580	1830	2090	1900
	60	1830	2120	2410	2200
	75	2040	2370	2700	2460
	90	2240	2600	2960	2690
	100	2360	2740	3120	2840
	110	2480	2870	3270	2980
	120	2590	3000	3420	3110
	130	2690	3120	3550	3240
	140	2790	3240	3690	3360
	150	2890	3350	3820	3480
	160	2990	3460	3940	3590
	170	3080	3570	4070	3700
	180	3170	3670	4180	3810
	190	3260	3770	4300	3910
200	3340	3870	4410	4020	
3000	45	1410	1640	1870	1700
	60	1630	1890	2160	1960
	75	1830	2120	2410	2200
	90	2000	2320	2640	2410
	100	2110	2450	2790	2540
	110	2210	2570	2920	2660
	120	2310	2680	3050	2780
	130	2410	2790	3180	2890
	140	2500	2900	3300	3000
	150	2590	3000	3420	3110
	160	2670	3100	3530	3210
	170	2750	3190	3640	3310
	180	2830	3290	3740	3410
	190	2910	3380	3840	3500
200	2990	3460	3940	3590	



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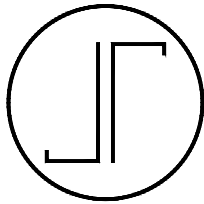
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Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
3600	45	1290	1500	1710	1550
	60	1490	1730	1970	1790
	75	1670	1930	2200	2010
	90	1830	2120	2410	2200
	100	1930	2230	2540	2320
	110	2020	2340	2670	2430
	120	2110	2450	2790	2540
	130	2200	2550	2900	2640
	140	2280	2640	3010	2740
	150	2360	2740	3120	2840
	160	2440	2830	3220	2930
	170	2510	2910	3320	3020
	180	2590	3000	3420	3110
	190	2660	3080	3510	3190
200	2730	3160	3600	3280	
4200	45	1190	1390	1580	1440
	60	1380	1600	1820	1660
	75	1540	1790	2040	1860
	90	1690	1960	2230	2030
	100	1780	2070	2360	2140
	110	1870	2170	2470	2250
	120	1950	2270	2580	2350
	130	2030	2360	2690	2450
	140	2110	2450	2790	2540
	150	2190	2530	2890	2630
	160	2260	2620	2980	2710
	170	2330	2700	3070	2800
	180	2390	2780	3160	2880
	190	2460	2850	3250	2960
200	2520	2930	3330	3030	



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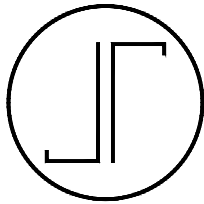
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Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
4800	45	1120	1300	1480	1340
	60	1290	1500	1710	1550
	75	1440	1670	1910	1740
	90	1580	1830	2090	1900
	100	1670	1930	2200	2010
	110	1750	2030	2310	2100
	120	1830	2120	2410	2200
	130	1900	2210	2510	2290
	140	1970	2290	2610	2370
	150	2040	2370	2700	2460
	160	2110	2450	2790	2540
	170	2180	2520	2870	2620
	180	2240	2600	2960	2690
	190	2300	2670	3040	2770
200	2360	2740	3120	2840	
5400	45	1050	1220	1390	1270
	60	1220	1410	1610	1460
	75	1360	1580	1800	1640
	90	1490	1730	1970	1790
	100	1570	1820	2080	1890
	110	1650	1910	2180	1980
	120	1720	2000	2280	2070
	130	1790	2080	2370	2160
	140	1860	2160	2460	2240
	150	1930	2230	2540	2320
	160	1990	2310	2630	2390
	170	2050	2380	2710	2470
	180	2110	2450	2790	2540
	190	2170	2510	2860	2610
200	2230	2580	2940	2680	



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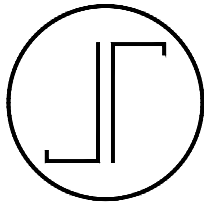
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Maximum Rail Span (mm)					
Rail Spacing (mm)	Fin Centres (mm)	90mm Fin	60mm Fin	40mm Fin	60mm Truncated Fin
6000	45	1000	1160	1320	1200
	60	1150	1340	1520	1390
	75	1290	1500	1710	1550
	90	1410	1640	1870	1700
	100	1490	1730	1970	1790
	110	1560	1810	2070	1880
	120	1630	1890	2160	1960
	130	1700	1970	2250	2050
	140	1770	2050	2330	2120
	150	1830	2120	2410	2200
	160	1890	2190	2490	2270
	170	1950	2260	2570	2340
	180	2000	2320	2640	2410
	190	2060	2390	2720	2470
200	2110	2450	2790	2540	



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DIRECT FIXING SUITABILITY TABLES.

Aluminium Profiles				
Wind Region	Profile Designation	Profile Width (mm)	Profile Depth (mm)	Profile Suitable
N1	FIN	30	90	YES
	FIN	30	60	YES
	FIN	30	40	YES
	TRUNCATED FIN	30	60	YES
N2	FIN	30	90	YES
	FIN	30	60	YES
	FIN	30	40	YES
	TRUNCATED FIN	30	60	YES
N3	FIN	30	90	YES
	FIN	30	60	YES
	FIN	30	40	YES
	TRUNCATED FIN	30	60	YES
C1	FIN	30	90	YES
	FIN	30	60	YES
	FIN	30	40	YES
	TRUNCATED FIN	30	60	YES
C2	FIN	30	90	NO
	FIN	30	60	YES
	FIN	30	40	YES
	TRUNCATED FIN	30	60	YES