

# N1 to C3

# DuraGalPlus®

# Domestic

# Construction

# Manual

Volume 1: DuraGalPlus RHS as roof beams  
(rafters, under purlins, strutting beams, roof  
battens, ceiling joists)

**DuraGal** **Plus**®



**Austube Mills**  
SHAPING POSSIBILITIES

## **DuraGalPlus<sup>®</sup> Domestic Construction Manual**

- Volume 1:**    **Roof Beams**           - N1 to C3  
                        (N1 to C3 - Rafters)  
                        (N1 to N3 - Roof beams, strutting beams, roof battens, ceiling joists)
- Volume 2:**    **Lintels**                 - N1 to N3  
                        (Garage beams, window heads)
- Volume 3:**    **Floor Beams**       - N1 to N3  
                        (Bearers)

## Foreword

This limited edition of the DuraGalPlus<sup>®</sup> Domestic Construction Manual has been prepared by Austube Mills based on the requirements of relevant Standards Australia and Industry specifications and in previous house testing.

The relevant design assumptions are listed in the front of each table.

Before selecting a member, reference should be made to the design assumptions to confirm the suitability of the tables for the intended applications.

Note: These tables do not take into account product availability from your steel retailer.

Please ensure that you check on product availability before you finalise the design.

Information on product availability can be obtained from the Austube Mills Product Availability Guide at [www.austubemills.com.au](http://www.austubemills.com.au).

It is strongly recommended that DuraGalPlus products be specified for construction when any of the design information in these manuals is used, as the calculations, including product tolerances, mechanical properties and chemical composition, have been validated by structural testing using only DuraGalPlus products. To ensure that the designers intentions are met it is strongly recommended that a note to this effect is included on any design information.

## Letter of certification



**STRUCterre**  
consulting engineers

Residential Geotechnical Commercial & Infrastructure

Inspect & Energy Environmental  
Investigate Assessment

**30 May 2017**

Reference: 35739-16CS Vol1 ST01

**Austube Mills**  
Industrial Drive  
Newcastle NSW 2304

Dear Sir,

**Re: Structural Engineers Certification of  
N1 to C3 DuraGalPlus Domestic Construction Manual  
Volume 1: DuraGalPlus RHS as roof beams (rafters, under purlins,  
strutting beams, roof battens, ceiling joists)  
February 2017 Edition**

We hereby certify that we have checked the structural aspects of the span tables presented in the N1 to C3 DuraGalPlus Domestic Construction Manual Volume 1, dated February 2017.

We certify that the design tables conform to the requirements of the National Construction Code 2016 Building Code of Australia, and the following Australian Standards:

- AS/NZS 1170.0:2002 Structural design actions Part 0: General principles
- AS/NZS 1170.1:2002 Structural design actions Part 1: Permanent, imposed and other actions
- AS 4055:2012 Wind loads for housing
- NASH Standard: Residential and Low-rise Steel Framing Part 1: Design Criteria 2005
- AS 4100:1998 Steel Structures

These tables, when used within the parameters and limitations presented in this document, will provide structural solutions which satisfy the requirements of the National Construction Code 2016 Building Code of Australia and the referenced standards.

Yours faithfully  
**Structerre Consulting Engineers**

**Gervase Purich**  
BE FIEAust CPEng NPER RPEQ  
CEO

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## DuraGalPlus<sup>®</sup> product specifications

### Surface finish and corrosion protection

DuraGalPlus products are hot dip galvanized to section 3, AS/NZS 4792 with DuraGalPlus ZB100/100 having a minimum average coating mass of 100g/m<sup>2</sup> on each surface and DuraGalPlus ZB135/135 having 135g/m<sup>2</sup>.

In many corrosive environments these systems may not require any additional surface treatment. In harsh environments additional top coats may need to be applied. For advice on painting systems for a wide range of environments refer to the 'DuraGal Easy Painting and Corrosion Protection Guide'.

### Welding performance

DuraGalPlus sections are made from low carbon structural steel, so they are readily weldable. The zinc coating thickness is carefully controlled to ensure that structurally sound welds can be fabricated using standard welding practices. The 'DuraGal Easy Welding Guide' provides guidelines for welding DuraGalPlus products. The Guide can be found at [www.austubemills.com.au/publications-and-resources/technical/duragal\\_easy\\_welding\\_guide.pdf](http://www.austubemills.com.au/publications-and-resources/technical/duragal_easy_welding_guide.pdf).

### Grade

DuraGalPlus sections are manufactured by a cold forming process which ensures the DuraGalPlus rectangular and square hollow sections (RHS/SHS) covered in this publication comply with the requirements of AS/NZS 1163. The grades included are:

Section	Size	AS/NZS 1163 Grade
RHS	50 x 25 to 150 x 50	C450LO
SHS	25 x 25 to 65 x 65	C450LO

AS/NZS 1163 C450LO is supplied as C450PLUS, which meets AS/NZS 1163 requirements for both Grade 350LO and C450LO.

### Designation

Typical designations for DuraGalPlus RHS and SHS are:

- > For DuraGalPlus RHS 150 x 50 x 4.0 RHS DuraGalPlus AS/NZS1163 C450LO supplied as C450PLUS
- > For DuraGalPlus SHS 100 x 100 x 4.0 RHS DuraGalPlus AS/NZS1163 C450LO supplied as C450PLUS

### Length range

DuraGalPlus ZB100/100 is stocked by distributors in the following lengths.

Section	Size	Standard length (m)
RHS	50 x 25 to 75 x 25	8.0
	75 x 50 to 150 x 50	8.0 & 12.0
SHS	25 x 25	6.5
	30 x 30 to 65 x 65	8.0
	75 x 75 to 100 x 100	8.0 & 12.0

\* Non-standard lengths - minimum order quantities and/or price extras may apply.

DuraGalPlus ZB135/135 is available in the following sizes in 8.0m lengths:

90 x 90 x 2.0	150 x 50 x 2.0
100 x 50 x 1.6	150 x 50 x 3.0
100 x 50 x 2.0	

More information on product availability can be found in the Product Availability Guide on Austube Mills website at [www.austubemills.com.au](http://www.austubemills.com.au).

# Span tables design data

## Scope

This volume of the DuraGalPlus<sup>®</sup> Domestic Construction Manual covers the design of DuraGalPlus RHS and SHS roof beams which conform to AS 4055 wind classifications of up to category C3.

The tables in this volume have been divided into five sections: Rafters, under purlins, strutting beams, roof battens and ceiling joists.

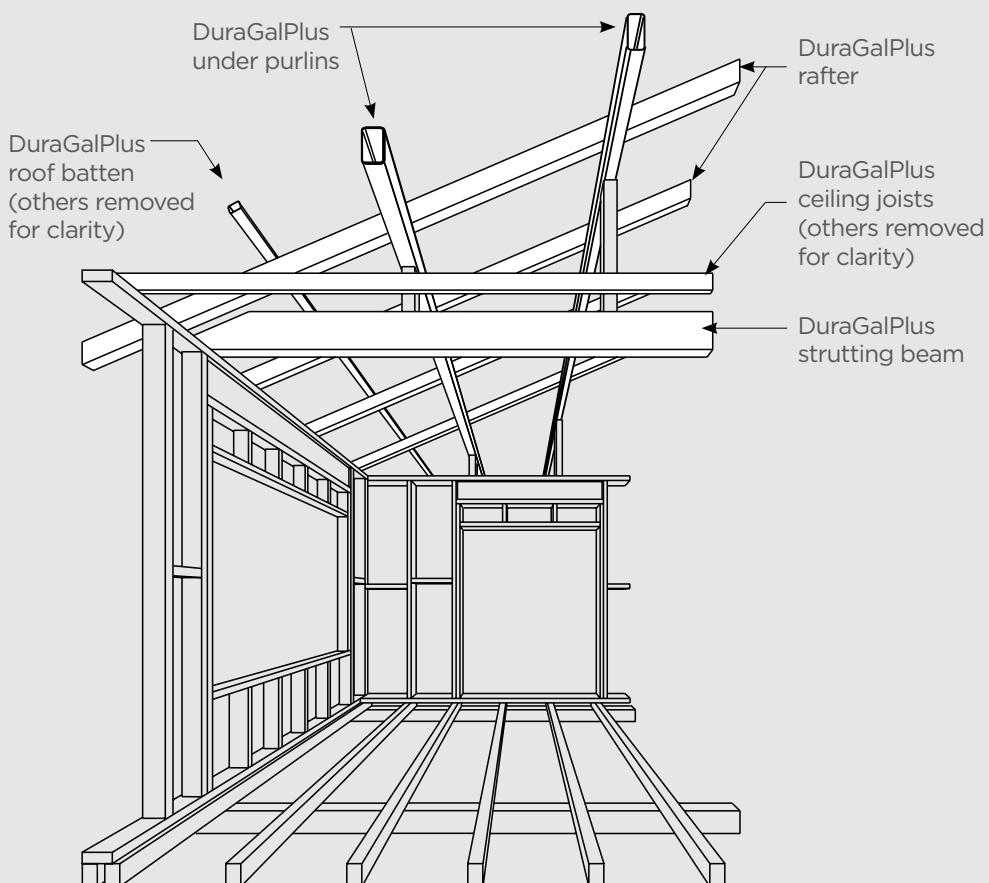
## Design assumptions

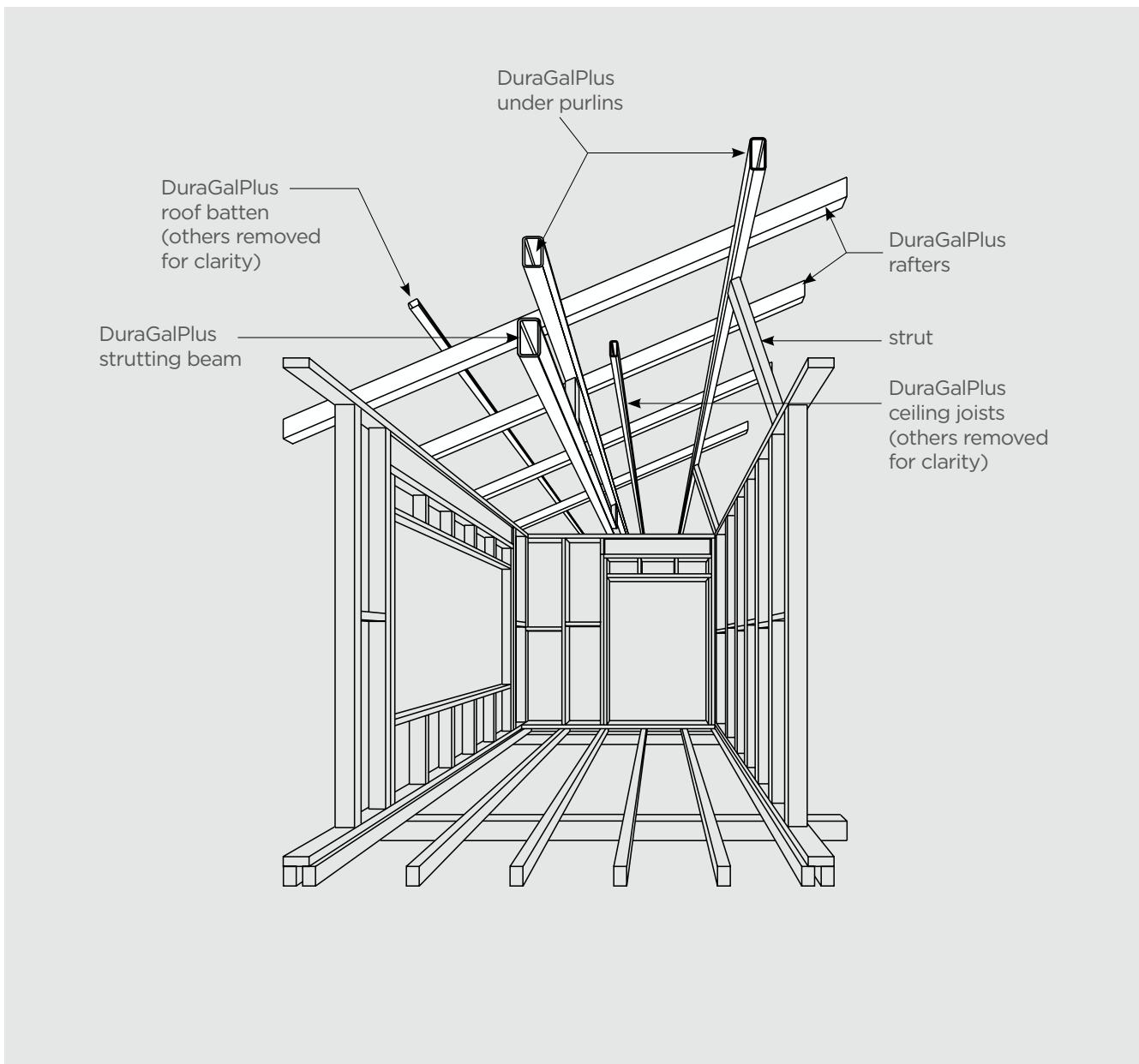
The design assumptions used to generate these tables are as follows:

- DuraGalPlus RHS and SHS roof beams are designed in accordance with AS 4100.
- All roof beams are assumed to be restrained against lateral movement and twist along their lengths in accordance with AS 4100.
- All applied loads are assumed to be uniformly distributed with the exception of strutting beams and some other point load requirements listed before each set of tables.
- The loads applied and the deflection limits for each set of tables is shown before the tables.
- All loads are static and applied vertically.
- Minimum end and internal support bearing for roof beams is assumed to be 70mm with the exception of roof battens where the support bearing is assumed to be 30mm.

## DuraGalPlus<sup>®</sup> RHS/SHS as roof beams

Examples of the use of DuraGalPlus members as roof beams are shown in this section. The diagrams show DuraGalPlus RHS used as rafters, under purlins, strutting beams and ceiling joists, and DuraGalPlus RHS/SHS used as roof battens.





## How to use the tables

### Step 1

Find out the type of roof beam (rafter, under purlin, strutting beam, roof batten or ceiling joist) to be sized.

### Step 2

Establish the wind classification and also check that it is equal to or below N3 for under purlins, strutting beams, roof battens, ceiling joints and C3 for rafters.

### Step 3

Select the type of roofing material used (eg. For rafters refer roof materials on page 10).

In the case of rafters, determine if they are in an internal application enclosed by walls and roof or external application not enclosed by walls such as eaves and verandahs.

In the case of battens check if they are over an area enclosed by ceiling or in an application not enclosed by walls and ceiling such as verandah or eaves.

### Step 4

Calculate the effective 'roof beam' spacing (effective load width for strutting beam).

### Step 5

Work out the required span of the roof beam. Check also, where required, if the roof beam is single span or continuous span.

### Step 6

Go to the appropriate table on the basis of information from Step 1 to 5.

### Step 7

Select the column under effective 'roof beam' spacing with the table effective 'roof beam' spacing larger than or equal to the required effective 'roof beam' spacing (worked out in Step 4).

### Step 8

Select the section that has a maximum span equal to or larger than the required span of roof beam which is worked out in Step 5.

Roof - masonry tiles and ceiling\*  
N2 / N3

**DuraGal<sup>Plus</sup><sup>®</sup>**

Maximum under purlin span (mm)

Continuous span

**Effective under purlin spacing (mm)**

DuraGalPlus section	Grade	Mass kg/m	1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	6210	5660	5290	5020	4800	4630	4480
150x50x5.0RHS	C450L0	14.2	6030	5490	5130	4870	4660	4490	4340
150x50x4.0RHS	C450L0	11.6	5800	5280	4930	4670	4470	4300	4160
150x50x3.0RHS	C450L0	8.96	5510	5000	4670	4420	4230	4020	3700
150x50x2.5RHS	C450L0	7.53	5310	4810	4490	3990	3530	3170	2890
150x50x2.0RHS	C450L0	6.07	5060	3950	3210	2710	2360	2090	1880
125x75x6.0RHS	C450L0	16.7	5910	5390	5040	4780	4580	4410	4270
125x75x5.0RHS	C450L0	14.2	5740	5230	4880	4630	4430	4270	4130
125x75x4.0RHS	C450L0	11.6	5520	5020	4690	4440	4250	4090	3960
125x75x3.0RHS	C450L0	8.96	5230	4750	4430	4200	4020	3870	3740
125x75x2.5RHS	C450L0	7.53	5040	4570	4260	3970	3540	3210	2940
125x75x2.0RHS	C450L0	6.07	4800	4020	3320	2850	2510	2250	2040
100x50x5.0RHS	C450L0	10.3	4650	4230	3940	3740	3570	3390	3250
100x50x4.0RHS	C450L0	8.49	4490	4070	3800	3600	3390	3220	3090
100x50x3.5RHS	C450L0	7.53	4380	3980	3710	3480	3280	3120	2990
100x50x3.0RHS	C450L0	6.60	4280	3880	3620	3370	3170	3020	2890
100x50x2.5RHS	C450L0	5.56	4120	3740	3440	3200	3010	2870	2690
100x50x2.0RHS	C450L0	4.50	3930	3550	3230	2850	2540	2300	2110
100x50x1.6RHS	C450L0	3.86	3680	2840	2350	2010	1770	1580	1430
75x50x5.0RHS	C450L0	8.35	3870	3490	3180	2960	2790	2650	2540
75x50x4.0RHS	C450L0	6.92	3750	3340	3040	2830	2660	2530	2420
75x50x3.0RHS	C450L0	5.42	3580	3140	2860	2660	2500	2380	2280
75x50x2.5RHS	C450L0	4.58	3410	2990	2720	2530	2380	2270	2160
75x50x2.0RHS	C450L0	3.72	3210	2810	2460	2170	1960	1800	1670
75x50x1.6RHS	C450L0	3.01	2860	2280	1930	1690	1520	1380	1270

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

N1 to C3 – DuraGalPlus<sup>®</sup> RHS as roof beams - rafters, under purlins, strutting beams, roof battens, ceiling joists  
DDCM Volume 1 – February 2017

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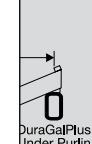
### Under purlin

pages 62 to 73.

	Deflection (mm)
load (Q)	Dead load (G)

er of 0.25 and to 20mm

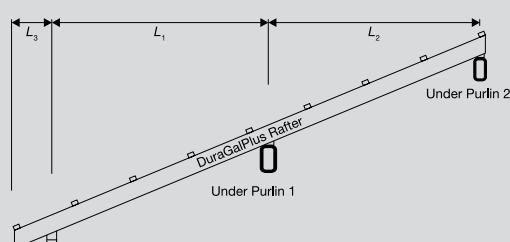
in. The wind load used to generate tables are those resulting from external wind



### Effective under purlin spacing

$$\text{Under purlin 1} = 0.625 \times (L_1 + L_2)$$

$$\text{Under purlin 2} = L_2 / 2$$

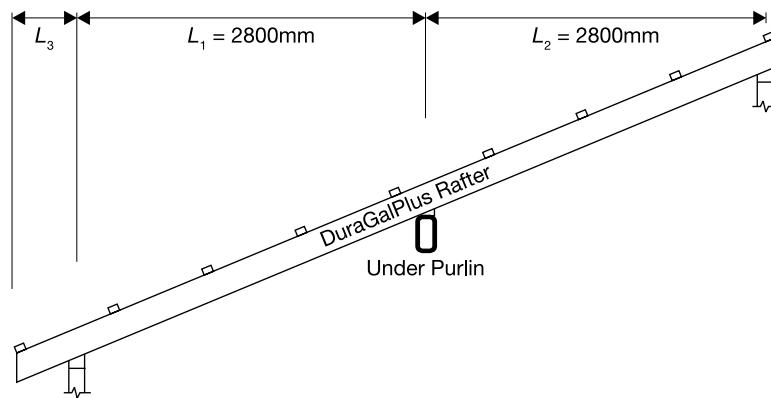


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N1 to C4 – DuraGalPlus<sup>®</sup> RHS as roof beams - rafters, under purlins, strutting beams  
DDCM Volume 1 – February 2017

## Example

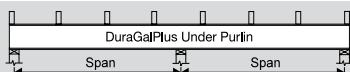
Size an under purlin supporting rafters carrying masonry tiles and ceiling. The rafters are continuous over the under purlin. The span of the rafter is shown in the diagram below. The under purlin has a continuous span of 2850mm. The wind classification is given as N3.



Roof - masonry tiles and ceiling\*<sup>1</sup>  
N2 / N3

DuraGal®  
Plus

Maximum under purlin span (mm)



Continuous span

DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing (mm)					
			1200	1800	2400	3000	3600	4200
150x50x6.0RHS	C450L0	16.7	6210	5660	5290	5020	4800	4630
150x50x5.0RHS	C450L0	14.2	6030	5490	5130	4870	4660	4490
150x50x4.0RHS	C450L0	11.6	5800	5280	4930	4670	4470	4300
150x50x3.0RHS	C450L0	8.96	5510	5000	4670	4420	4230	4020
150x50x2.5RHS	C450L0	7.53	5310	4810	4490	3990	3530	3170
150x50x2.0RHS	C450L0	6.07	5060	3950	3210	2710	2360	2090
125x75x6.0RHS	C450L0	16.7	5910	5390	5040	4780	4580	4410
125x75x5.0RHS	C450L0	14.2	5740	5230	4880	4630	4430	4270
125x75x4.0RHS	C450L0	11.6	5520	5020	4690	4440	4250	4090
125x75x3.0RHS	C450L0	8.96	5230	4750	4430	4200	4020	3870
125x75x2.5RHS	C450L0	7.53	5040	4570	4260	3970	3540	3210
125x75x2.0RHS	C450L0	6.07	4800	4020	3320	2850	2510	2250
100x50x5.0RHS	C450L0	10.3	4650	4230	3940	3740	3570	3390
100x50x4.0RHS	C450L0	8.49	4490	4070	3800	3600	3390	3220
100x50x3.5RHS	C450L0	7.53	4380	3980	3710	3480	3280	3120
100x50x3.0RHS	C450L0	6.60	4280	3880	3620	3370	3170	3020
<b>100x50x2.5RHS</b>		5.56	4120	3740	3440	3200	<b>3010</b>	2870
100x50x2.0RHS	C450L0	4.50	3930	3550	3230	2850	2540	2300
100x50x1.6RHS	C450L0	3.86	3680	2840	2350	2010	1770	1580
75x50x5.0RHS	C450L0	8.35	3870	3490	3180	2960	2790	2650
75x50x4.0RHS	C450L0	6.92	3750	3340	3040	2830	2660	2530
75x50x3.0RHS	C450L0	5.42	3580	3140	2860	2660	2500	2380
75x50x2.5RHS	C450L0	4.58	3410	2990	2720	2530	2380	2270
75x50x2.0RHS	C450L0	3.72	3210	2810	2460	2170	1960	1800
75x50x1.6RHS	C450L0	3.01	2860	2280	1930	1690	1520	1380

Under purlin

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

## Rafters

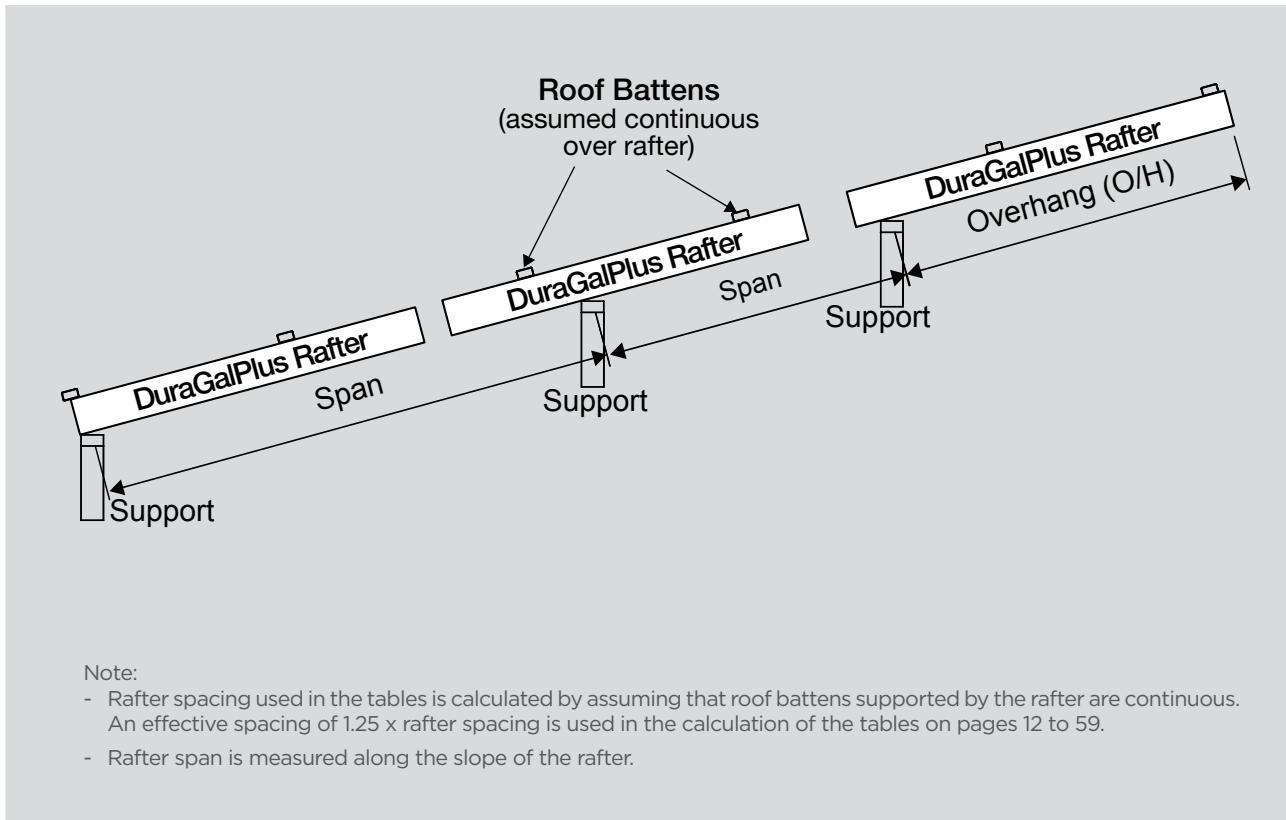
Applied loads and deflection limits used to generate the tables on pages 12 to 59.

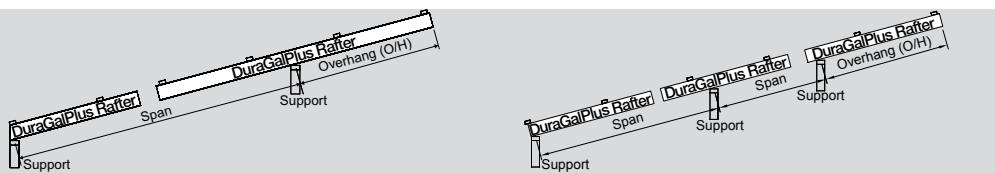
Roof	Action		Live Load		Strength		Wind		Serviceability		Strength Load Combinations	Action (W <sub>s</sub> ) kPa	(Q <sub>1</sub> ) or (Q <sub>2</sub> )	(W <sub>s</sub> )	Deflection Limit					
	Dead Load (G) kPa	(Q <sub>1</sub> ) (Q <sub>2</sub> ) kN	Net Pressure		Action (W <sub>u</sub> ) kPa	Coefficient (C <sub>p,n</sub> )		Non-cyclonic Internal	Cyclonic Internal	External										
			(C <sub>p,n</sub> ) Non-cyclonic	Cyclonic		Non-cyclonic	Cyclonic													
Masonry tiles and ceiling	0.900											1.2G + 1.5Q <sub>1</sub>								
Masonry tiles only	0.700	0.25	1.1	-1.1, +0.7	-1.6, +1.05	C <sub>p,n</sub> q <sub>u</sub>	-1.1, +0.7	-1.6, +0.7	-1.6, +1.05	-1.6, +1.05	C <sub>p,n</sub> q <sub>s</sub>	1.2G + 1.5Q <sub>2</sub>	Span/300 (max 20 mm)	Span/300 (max 12 mm)	Span/250 Span/150					
Steel sheeting and ceiling	0.244											0.9G + W <sub>u(up)</sub>								
Steel sheeting only	0.066											1.2G + W <sub>u(down)</sub>								

Note: q<sub>u</sub> = reference pressure in kPa, for strength limit state  
 $= 0.6(V_u)^2/1000$

q<sub>s</sub> = reference pressure in kPa, for deflection limit state  
 $= 0.6(V_s)^2/1000$

Wind Speed	Design gust wind speed (V <sub>h</sub> ) at height (h) - m/s			
	AS 4055 Wind Class			
Limit State	N1	N2	N3/C1	N4/C2
Type				N5/C3
Serviceability limit state (V <sub>h,s</sub> )	26	26	32	39
Ultimate limit state (V <sub>h,u</sub> )	34	40	50	61
				47
				74



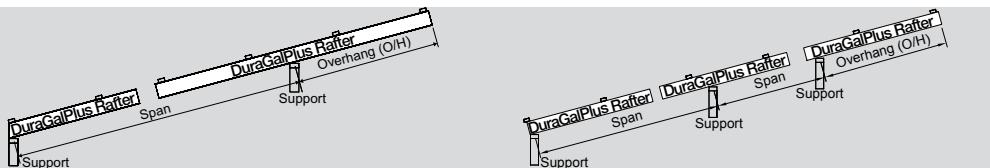
Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5510	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5680	1540	5310	1600
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6350	1200	5950	1260	5410	1340	4770	1450
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5390	1340	5040	1400
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5650	1090	5140	1170	4650	1250
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	4120	810
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	4210	670	3930	710
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4730	510	4420	540	3910	590	3300	670
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3520	410	3210	440
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3850	320	3720	330	3310	360	2970	400
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2940	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	3050	310	2770	330
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	3090	260	2860	270	2610	300
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2790	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2890	280	2630	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2070	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1960	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

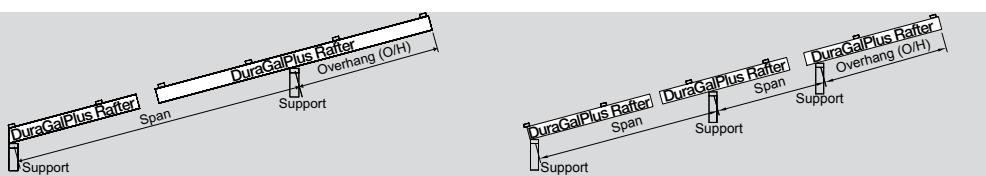
**Maximum rafter span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5510	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5680	1540	5310	1600
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6350	1200	5950	1260	5410	1340	4770	1450
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5390	1340	5040	1400
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5650	1090	5140	1170	4650	1250
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	4120	810
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	4210	670	3930	710
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4730	510	4420	540	3910	590	3300	670
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3520	410	3210	440
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3850	320	3720	330	3310	360	2970	400
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2940	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	3050	310	2770	330
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	3090	260	2860	270	2610	300
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2790	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2890	280	2630	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2070	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1960	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

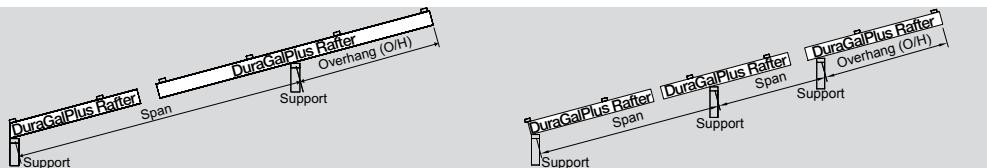
Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5510	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5680	1540	5310	1600
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6350	1200	5950	1260	5320	1360	4440	1520
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5390	1340	5040	1400
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5650	1090	5140	1170	4350	1300
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	4120	810
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	4210	670	3930	710
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4730	510	4420	540	3660	620	3080	710
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3520	410	3210	440
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3850	320	3720	330	3270	370	2800	410
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2940	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	3050	310	2770	330
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	3090	260	2860	270	2560	300
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2790	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2890	280	2630	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2070	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1960	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

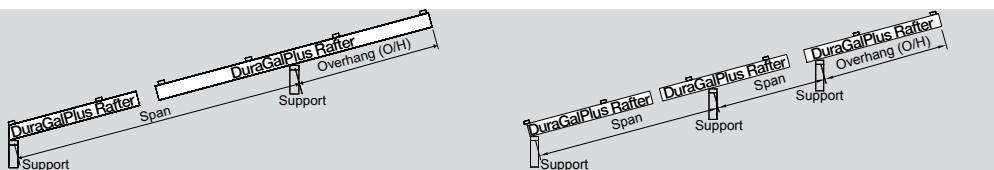
**Maximum rafter  
span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5510	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5680	1540	5310	1600
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6350	1200	5950	1260	5320	1360	4440	1520
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5390	1340	5040	1400
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5650	1090	5140	1170	4350	1300
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	4120	810
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	4210	670	3930	710
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4730	510	4420	540	3660	620	3080	710
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3520	410	3210	440
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3850	320	3720	330	3270	370	2800	410
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2940	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	3050	310	2770	330
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	3090	260	2860	270	2560	300
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2790	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2890	280	2630	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2070	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1960	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

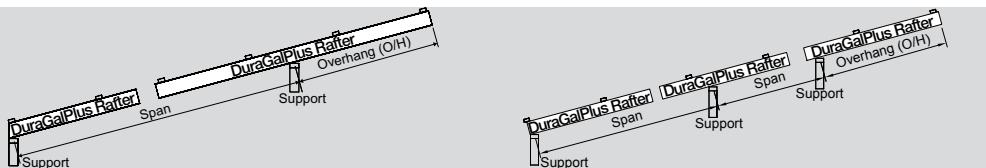
Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5510	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5680	1540	5270	1610
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6350	1200	5950	1260	4710	1470	3910	1630
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5390	1340	5030	1400
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5650	1090	4590	1260	3860	1400
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	4120	810
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	4210	670	3640	750
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4730	510	4140	570	3260	680	2740	760
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3520	410	3150	450
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3850	320	3670	330	2940	400	2510	450
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2940	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	3050	310	2680	340
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	3090	260	2690	290	2300	330
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2790	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2890	280	2610	310
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2070	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1960	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

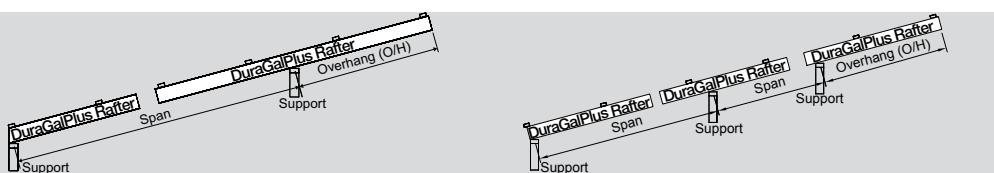
**Maximum rafter  
span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5510	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5680	1540	5270	1610
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6350	1200	5950	1260	4710	1470	3910	1630
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5390	1340	5030	1400
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5650	1090	4590	1260	3860	1400
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	4120	810
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	4210	670	3640	750
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4730	510	4140	570	3260	680	2740	760
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3520	410	3150	450
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3850	320	3670	330	2940	400	2510	450
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2940	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	3050	310	2680	340
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	3090	260	2690	290	2300	330
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2790	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2890	280	2610	310
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2070	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1960	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

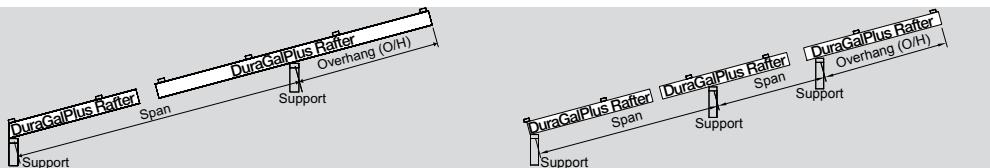
Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5480	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5490	1570	4620	1740
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6300	1210	5290	1360	4090	1590	3380	1760
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5220	1370	4440	1510
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5110	1170	4020	1370	3370	1510
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	3850	850
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	3780	730	3200	810
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4300	550	3640	630	2850	740	2380	830
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3270	440	2800	490
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3800	320	3260	370	2600	440	2210	490
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2850	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	2770	330	2380	380
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	2980	270	2390	320	2030	360
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2760	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2700	300	2320	340
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2030	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1860	180
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1690	170		

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

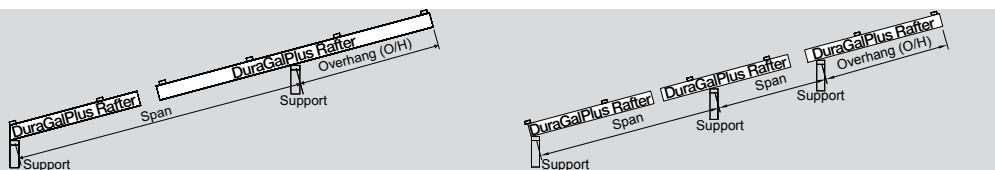
**Maximum rafter span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5890	1710	5480	1790
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	6230	1440	5490	1570	4620	1740
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	6300	1210	5290	1360	4090	1590	3380	1760
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5590	1500	5230	1560
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5920	1260	5220	1370	4440	1510
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	6030	1040	5110	1170	4020	1370	3370	1510
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4380	960
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4580	850	4280	900
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	4410	770	3850	850
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4960	590	4640	620	3780	730	3200	810
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2830	750	4300	550	3640	630	2850	740	2380	830
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3750	630
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3840	520	3580	550
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3710	470	3410	500
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4180	360	3900	380	3270	440	2800	490
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3800	320	3260	370	2600	440	2210	490
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3650	310	3230	350	2850	380
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3400	280	2770	330	2380	380
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3090	260	2980	270	2390	320	2030	360
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3360	380	3070	410
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3200	350	2920	370
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3440	290	3060	320	2760	340
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	3140	260	2700	300	2320	340
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2330	190	2150	210
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2190	180	2030	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	2020	170	1860	180
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1840	150	1690	170

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

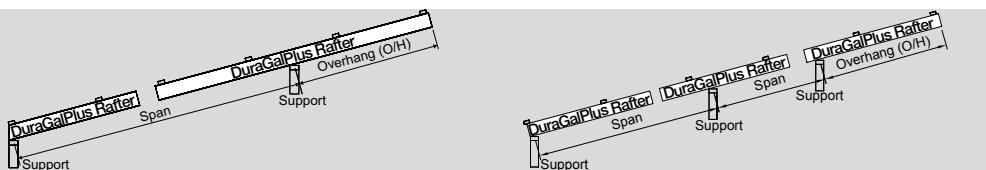
Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5590	1770	4750	1950
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	5990	1480	4720	1720	3950	1900
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	5400	1340	4510	1510	3450	1740	2830	1910
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5520	1510	4710	1660
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5680	1290	4520	1500	3830	1650
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	5210	1160	4410	1290	3440	1490	2870	1630
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4310	980
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4400	880	3780	980
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	3920	840	3350	930
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4820	600	4110	680	3270	800	2760	900
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2790	750	3710	620	3130	700	2430	820	2030	910
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3620	640
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3760	530	3260	590
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3480	490	3020	550
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4120	360	3540	410	2850	490	2430	550
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3320	360	2830	410	2250	490	1910	540
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3530	320	2890	380	2510	420
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3000	310	2420	370	2070	420
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3040	260	2590	300	2070	360	1750	400
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3310	390	2880	430
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3020	360	2620	410
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3430	290	2800	340	2430	380
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	2920	280	2360	330	2020	370
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2210	200	1920	230
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2060	190	1790	220
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	1890	180	1640	200
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1720	160	1490	180

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

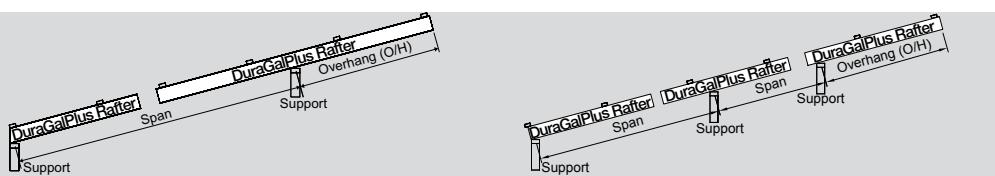
**Maximum rafter  
span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2830	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2330	7190	1810	6770	1880	6190	1990	5800	2070
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2020	6870	1550	6460	1610	5590	1770	4750	1950
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6640	1380	5990	1480	4720	1720	3950	1900
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	4060	1600	5400	1340	4510	1510	3450	1740	2830	1910
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5910	2230
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5740	2040
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5890	1750	5520	1820
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	6130	1410	5520	1510	4710	1660
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	6310	1200	5680	1290	4520	1500	3830	1650
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	4130	1340	3850	1400	5210	1160	4410	1290	3440	1490	2870	1630
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3730	1320	5780	990	5440	1030	4970	1100	4650	1150
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3850	1140	3600	1190	5600	880	5260	920	4800	990	4490	1030
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3760	1070	3490	1120	5480	820	5140	860	4690	920	4310	980
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3670	1000	3380	1050	5360	760	5030	800	4400	880	3780	980
100x50x2.5RHS	C450L0	5.56	4160	800	3900	840	3520	900	3220	950	5180	680	4850	720	3920	840	3350	930
100x50x2.0RHS	C450L0	4.50	3980	700	3720	730	3310	800	3020	850	4820	600	4110	680	3270	800	2760	900
100x50x1.6RHS	C450L0	3.64	3800	610	3530	640	3110	700	2790	750	3710	620	3130	700	2430	820	2030	910
75x50x5.0RHS	C450L0	8.35	3880	690	3650	720	3240	790	2960	830	4840	580	4540	610	4140	660	3870	690
75x50x4.0RHS	C450L0	6.92	3770	630	3510	660	3100	720	2830	760	4700	530	4410	550	4010	600	3620	640
75x50x3.0RHS	C450L0	5.42	3620	550	3320	580	2930	640	2670	680	4510	460	4220	480	3760	530	3260	590
75x50x2.5RHS	C450L0	4.58	3470	490	3170	530	2790	580	2550	620	4360	410	4080	430	3480	490	3020	550
75x50x2.0RHS	C450L0	3.72	3270	440	2990	470	2630	520	2390	550	4120	360	3540	410	2850	490	2430	550
75x50x1.6RHS	C450L0	3.01	3080	380	2810	410	2470	460	2250	490	3320	360	2830	410	2250	490	1910	540
75x25x2.5RHS	C450L0	3.60	3000	370	2740	400	2410	440	2190	470	3720	310	3530	320	2890	380	2510	420
75x25x2.0RHS	C450L0	2.93	2840	330	2590	350	2270	390	2070	420	3400	280	3000	310	2420	370	2070	420
75x25x1.6RHS	C450L0	2.38	2620	300	2440	310	2140	350	1940	370	3040	260	2590	300	2070	360	1750	400
65x35x4.0RHS	C450L0	5.35	3110	410	2850	440	2510	480	2290	510	3990	330	3760	350	3310	390	2880	430
65x35x3.0RHS	C450L0	4.25	2970	370	2720	390	2390	430	2180	460	3690	310	3630	310	3020	360	2620	410
65x35x2.5RHS	C450L0	3.60	2850	330	2600	360	2290	400	2080	430	3440	290	3430	290	2800	340	2430	380
65x35x2.0RHS	C450L0	2.93	2670	300	2460	320	2160	350	1960	380	3140	260	2920	280	2360	330	2020	370
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1760	240	1610	260	2330	190	2330	190	2210	200	1920	230
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1700	220	1540	240	2190	180	2190	180	2060	190	1790	220
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1610	200	1460	220	2020	170	2020	170	1890	180	1640	200
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1520	180	1380	190	1840	150	1840	150	1720	160	1490	180

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

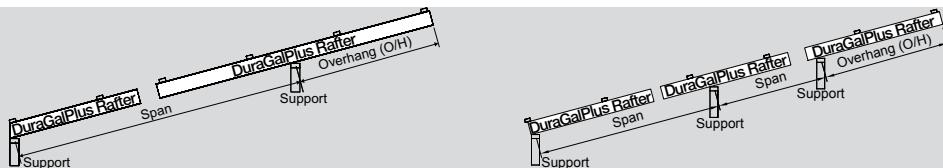
Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2790	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2270	7190	1810	6770	1880	5880	2050	5040	2240
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2010	6870	1550	5990	1700	4770	1940	4030	2010
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6020	1480	5080	1650	3970	1890	3310	1850
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	3860	1590	4530	1500	3760	1670	2850	1820	2320	1590
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5830	2250
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5390	2120
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5620	1800	4820	1960
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	5900	1440	4730	1660	4030	1810
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	5700	1290	4860	1430	3850	1640	3240	1650
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	3940	1380	3420	1400	4430	1290	3720	1430	2880	1610	2390	1400
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3660	1330	5780	990	5440	1030	4970	1100	4320	1210
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3830	1150	3480	1210	5600	880	5260	920	4560	1020	3960	1120
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3700	1080	3360	1140	5480	820	5140	860	4330	970	3750	1070
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3580	1010	3250	1070	5360	760	4690	840	3790	970	3260	1070
100x50x2.5RHS	C450L0	5.56	4160	800	3890	840	3400	920	3080	980	4890	710	4190	800	3360	930	2870	1020
100x50x2.0RHS	C450L0	4.50	3980	700	3640	750	3180	820	2890	870	4130	680	3510	770	2770	890	2330	990
100x50x1.6RHS	C450L0	3.64	3750	610	3400	660	2800	750	2430	820	3140	700	2630	780	2040	910	1680	1000
75x50x5.0RHS	C450L0	8.35	3880	690	3600	730	3150	800	2860	850	4840	580	4540	610	3940	690	3420	760
75x50x4.0RHS	C450L0	6.92	3770	630	3440	670	3000	740	2730	780	4700	530	4410	550	3640	640	3160	710
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4510	460	4000	510	3280	590	2840	650
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4260	420	3700	470	3030	550	2630	610
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2290	570	3550	410	3050	460	2450	540	2090	600
75x50x1.6RHS	C450L0	3.01	2970	400	2700	430	2280	480	1980	530	2840	410	2420	460	1920	540	1620	600
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2090	480	3550	320	3080	360	2520	420	2180	470
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2170	400	1970	430	3020	310	2590	350	2080	420	1780	460
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	2040	360	1800	390	2610	300	2220	340	1760	400	1490	450
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3990	330	3530	370	2890	430	2500	480
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3690	310	3210	340	2630	400	2280	450
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3440	290	2980	320	2440	380	2120	420
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1870	390	2940	280	2520	310	2030	370	1730	410
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2330	190	1920	230	1670	250
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1470	250	2190	180	2190	180	1800	210	1560	240
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1390	230	2020	170	2010	170	1640	200	1420	220
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1440	190	1290	200	1840	150	1830	150	1490	180	1290	200

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

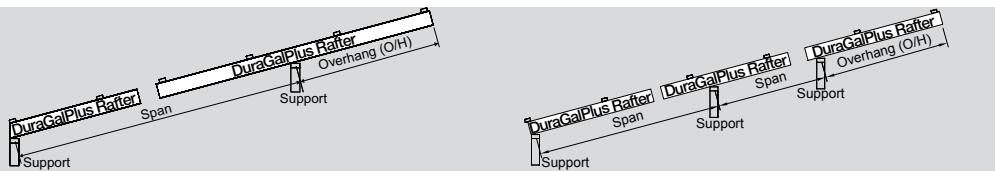
**Maximum rafter span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	6110	2550	5770	2630	5310	2740	4980	2790	7610	2240	7190	2320	6610	2440	6210	2530
150x50x5.0RHS	C450L0	14.2	5970	2330	5630	2410	5160	2520	4840	2600	7430	2050	7010	2120	6430	2240	6030	2320
150x50x4.0RHS	C450L0	11.6	5770	2080	5440	2150	4970	2260	4660	2270	7190	1810	6770	1880	5880	2050	5040	2240
150x50x3.0RHS	C450L0	8.96	5520	1780	5180	1850	4730	1950	4420	2010	6870	1550	5990	1700	4770	1940	4030	2010
150x50x2.5RHS	C450L0	7.53	5330	1600	5000	1660	4560	1760	4260	1820	6020	1480	5080	1650	3970	1890	3310	1850
150x50x2.0RHS	C450L0	6.07	5100	1390	4780	1450	4350	1540	3860	1590	4530	1500	3760	1670	2850	1820	2320	1590
125x75x6.0RHS	C450L0	16.7	5820	2250	5500	2320	5050	2430	4740	2510	7250	1970	6850	2040	6290	2150	5830	2250
125x75x5.0RHS	C450L0	14.2	5680	2050	5360	2120	4910	2230	4610	2300	7070	1790	6670	1860	6120	1960	5390	2120
125x75x4.0RHS	C450L0	11.6	5490	1820	5170	1890	4730	1980	4430	2050	6840	1580	6440	1650	5620	1800	4820	1960
125x75x3.0RHS	C450L0	8.96	5240	1560	4920	1620	4490	1710	4200	1770	6530	1350	5900	1440	4730	1660	4030	1810
125x75x2.5RHS	C450L0	7.53	5060	1400	4750	1450	4330	1540	4040	1600	5700	1290	4860	1430	3850	1640	3240	1650
125x75x2.0RHS	C450L0	6.07	4840	1210	4530	1270	3940	1380	3420	1400	4430	1290	3720	1430	2880	1610	2390	1400
100x50x5.0RHS	C450L0	10.3	4640	1150	4360	1200	3990	1270	3660	1330	5780	990	5440	1030	4970	1100	4320	1210
100x50x4.0RHS	C450L0	8.49	4500	1030	4220	1080	3830	1150	3480	1210	5600	880	5260	920	4560	1020	3960	1120
100x50x3.5RHS	C450L0	7.53	4400	960	4130	1000	3700	1080	3360	1140	5480	820	5140	860	4330	970	3750	1070
100x50x3.0RHS	C450L0	6.60	4310	890	4040	930	3580	1010	3250	1070	5360	760	4690	840	3790	970	3260	1070
100x50x2.5RHS	C450L0	5.56	4160	800	3890	840	3400	920	3080	980	4890	710	4190	800	3360	930	2870	1020
100x50x2.0RHS	C450L0	4.50	3980	700	3640	750	3180	820	2890	870	4130	680	3510	770	2770	890	2330	990
100x50x1.6RHS	C450L0	3.64	3750	610	3400	660	2800	750	2430	820	3140	700	2630	780	2040	910	1680	1000
75x50x5.0RHS	C450L0	8.35	3880	690	3600	730	3150	800	2860	850	4840	580	4540	610	3940	690	3420	760
75x50x4.0RHS	C450L0	6.92	3770	630	3440	670	3000	740	2730	780	4700	530	4410	550	3640	640	3160	710
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4510	460	4000	510	3280	590	2840	650
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4260	420	3700	470	3030	550	2630	610
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2290	570	3550	410	3050	460	2450	540	2090	600
75x50x1.6RHS	C450L0	3.01	2970	400	2700	430	2280	480	1980	530	2840	410	2420	460	1920	540	1620	600
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2090	480	3550	320	3080	360	2520	420	2180	470
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2170	400	1970	430	3020	310	2590	350	2080	420	1780	460
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	2040	360	1800	390	2610	300	2220	340	1760	400	1490	450
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3990	330	3530	370	2890	430	2500	480
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3690	310	3210	340	2630	400	2280	450
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3440	290	2980	320	2440	380	2120	420
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1870	390	2940	280	2520	310	2030	370	1730	410
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2330	190	1920	230	1670	250
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1470	250	2190	180	2190	180	1800	210	1560	240
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1390	230	2020	170	2010	170	1640	200	1420	220
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1440	190	1290	200	1840	150	1830	150	1490	180	1290	200

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

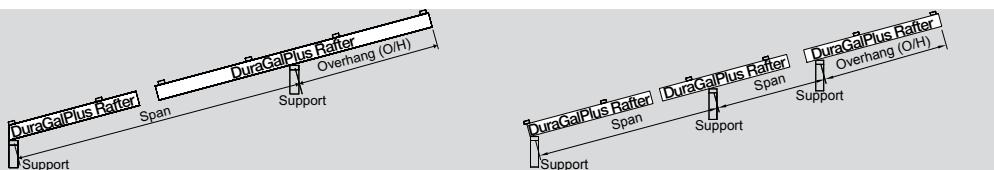
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	7090	1510	6640	1580
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7490	1270	6840	1350	6400	1420
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	7630	1040	7160	1100	6310	1210	5300	1360
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6730	1320	6300	1380
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	7110	1100	6490	1180	6070	1230
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	7240	900	6800	950	6030	1040	5120	1170
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5360	760	4900	810
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	5110	690	4670	740
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5950	510	5460	540	4810	600	4390	650
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	5450	450	5130	480	4300	550	3640	630
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3700	470
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3820	390	3480	420
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3850	320	3580	340	3260	370
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3500	330	3190	350
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	3300	290	3010	310
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	3090	260	2830	280
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3170	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	3030	320
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	3140	260	2860	280
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

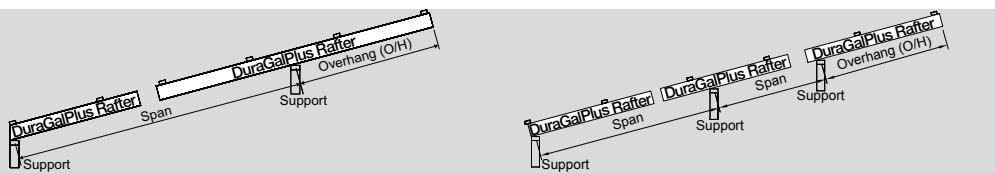
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	7090	1510	6640	1580
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7490	1270	6840	1350	6400	1420
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	7630	1040	7160	1100	6310	1210	5300	1360
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6730	1320	6300	1380
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	7110	1100	6490	1180	6070	1230
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	7240	900	6800	950	6030	1040	5120	1170
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5360	760	4900	810
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	5110	690	4670	740
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5950	510	5460	540	4810	600	4390	650
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	5450	450	5130	480	4300	550	3640	630
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3700	470
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3820	390	3480	420
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3850	320	3580	340	3260	370
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3500	330	3190	350
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	3300	290	3010	310
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	3090	260	2830	280
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3170	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	3030	320
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	3140	260	2860	280
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

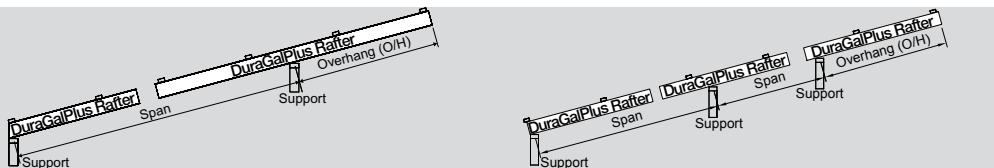
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	7090	1510	6640	1580
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7490	1270	6840	1350	6400	1420
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	7630	1040	7160	1100	5830	1270	4880	1430
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6730	1320	6300	1380
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	7110	1100	6490	1180	6070	1230
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	7240	900	6800	950	5600	1100	4740	1230
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5360	760	4900	810
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	5110	690	4670	740
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5950	510	5460	540	4810	600	4390	650
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	5450	450	5020	490	3990	580	3370	660
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3700	470
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3820	390	3480	420
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3850	320	3550	340	3030	390
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3500	330	3190	350
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	3300	290	3010	310
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	3090	260	2780	280
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3170	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	3030	320
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	3140	260	2860	280
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

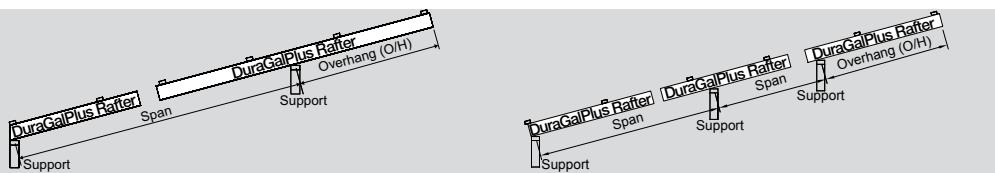
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	7090	1510	6640	1580
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7490	1270	6840	1350	6400	1420
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	7630	1040	7160	1100	5830	1270	4880	1430
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6730	1320	6300	1380
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	7110	1100	6490	1180	6070	1230
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	7240	900	6800	950	5600	1100	4740	1230
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5360	760	4900	810
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	5110	690	4670	740
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5950	510	5460	540	4810	600	4390	650
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	5450	450	5020	490	3990	580	3370	660
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3700	470
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3820	390	3480	420
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3850	320	3550	340	3030	390
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3500	330	3190	350
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	3300	290	3010	310
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	3090	260	2780	280
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3170	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	3030	320
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	3140	260	2860	280
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

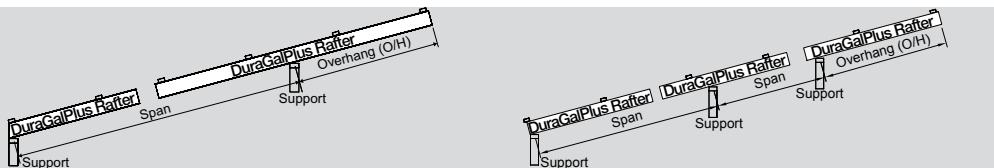
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	7090	1510	6620	1590
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7490	1270	6680	1380	5660	1540
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	7630	1040	6500	1180	5080	1400	4230	1560
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6730	1320	6300	1380
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	7110	1100	6290	1200	5370	1340
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	7240	900	6200	1020	4920	1200	4150	1340
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5360	760	4900	810
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	5110	690	4620	740
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5950	510	5460	540	4570	630	3890	710
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	5200	470	4430	540	3500	650	2940	730
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3700	470
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3820	390	3360	430
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3850	320	3140	380	2680	430
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3500	330	3190	350
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	3300	290	2850	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	2880	270	2460	310
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3170	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	3030	320
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	3140	260	2780	290
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

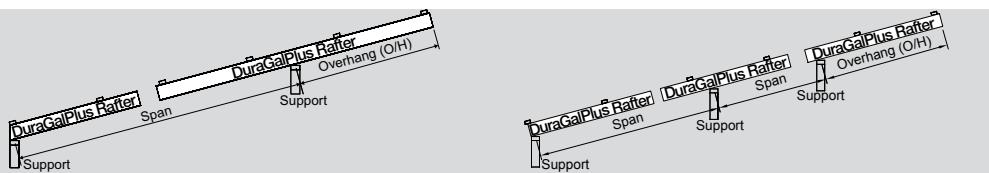
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	7090	1510	6640	1580
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7490	1270	6840	1350	6400	1420
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	7630	1040	7160	1100	5840	1270	4820	1450
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6730	1320	6300	1380
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	7110	1100	6490	1180	6070	1230
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	7240	900	6800	950	5760	1080	4830	1220
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5360	760	4900	810
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	5110	690	4670	740
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5950	510	5460	540	4810	600	4390	650
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	5450	450	5130	480	4090	570	3420	660
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3700	470
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3820	390	3360	430
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3850	320	3140	380	2680	430
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3500	330	3190	350
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	3300	290	2850	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	2880	270	2460	310
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3170	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	3030	320
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	3140	260	2780	290
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

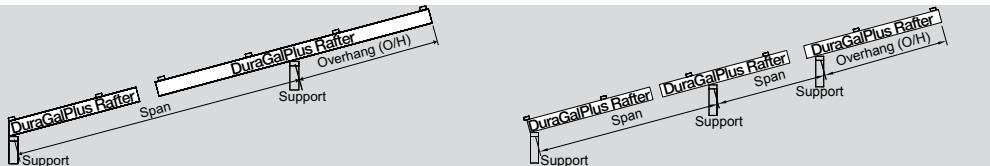
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	6770	1560	5780	1730
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7300	1290	5800	1520	4890	1690
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	6670	1160	5610	1310	4350	1540	3600	1710
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6650	1330	5700	1480
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	6860	1130	5500	1320	4680	1470
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	6350	1000	5400	1130	4260	1320	3580	1460
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5270	770	4540	860
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	4720	730	4050	820
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5820	520	4990	590	3990	700	3380	790
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	4540	530	3850	600	3020	720	2530	800
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3590	480
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3430	420	2940	470
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3430	350	2740	420	2330	470
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3440	330	2980	370
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	2920	320	2500	360
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	2510	310	2140	350
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3110	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	2890	330
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	2840	280	2440	320
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2280	200
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2130	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	1950	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1770	160

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

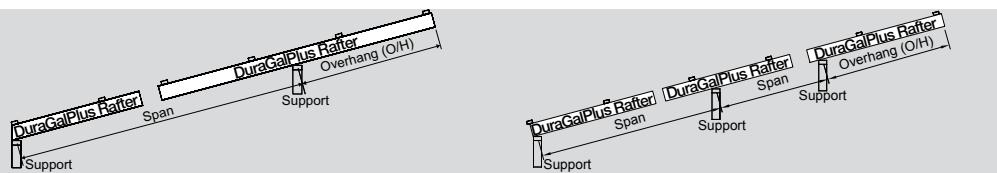
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7250	2080
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6980	1850
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	6770	1560	5780	1730
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7300	1290	5800	1520	4890	1690
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	6670	1160	5610	1310	4350	1540	3600	1710
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6640	1610
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6650	1330	5700	1480
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	6860	1130	5500	1320	4680	1470
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4270	1320	6350	1000	5400	1130	4260	1320	3580	1460
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5960	960	5470	1030
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5700	870	5220	930
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5530	810	5060	870
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	6050	690	5270	770	4540	860
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5790	620	4720	730	4050	820
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5820	520	4990	590	3990	700	3380	790
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3370	660	3070	710	4540	530	3850	600	3020	720	2530	800
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4690	600	4290	640
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4500	540	4110	590
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4810	430	4250	480	3880	520
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4600	390	4050	440	3590	480
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2600	520	4240	350	4240	350	3430	420	2940	470
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2440	460	3850	320	3430	350	2740	420	2330	470
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2380	440	3720	310	3720	310	3440	330	2980	370
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2240	390	3400	280	3400	280	2920	320	2500	360
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2320	330	2110	350	3090	260	3090	260	2510	310	2140	350
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3640	360	3320	390
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3470	320	3110	350
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2260	400	3440	290	3440	290	3320	300	2890	330
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2340	330	2130	360	3140	260	3140	260	2840	280	2440	320
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2330	190	2280	200
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1840	210	1680	230	2190	180	2190	180	2190	180	2130	190
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1590	200	2020	170	2020	170	2020	170	1950	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1500	180	1840	150	1840	150	1840	150	1770	160

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

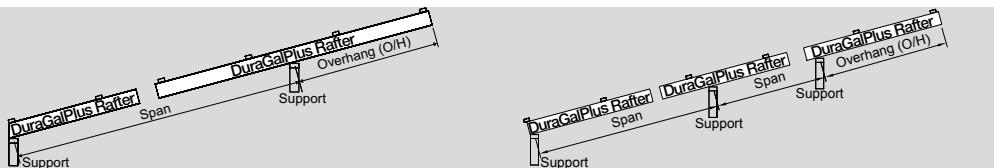
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7190	2090
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7060	1830	6080	2010
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7260	1490	5820	1730	4950	1900
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7350	1280	6250	1440	4930	1680	4140	1850
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	5650	1300	4720	1460	3630	1700	2980	1870
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	6990	2020
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6470	1900
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	6750	1600	5810	1760
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7110	1270	5740	1470	4900	1620
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	6900	1120	5910	1260	4710	1460	4000	1610
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4070	1360	5440	1120	4600	1260	3600	1460	3000	1600
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5900	970	5130	1070
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5420	900	4710	1000
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5140	860	4470	950
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	5620	730	4570	860	3930	950
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	5870	610	5050	690	4070	810	3480	910
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5020	580	4280	660	3410	780	2880	870
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3340	670	2900	740	3870	600	3270	680	2550	800	2120	890
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4680	600	4070	670
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4320	560	3760	630
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4750	440	3900	520	3380	580
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4400	410	3610	480	3130	540
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2590	520	4240	350	3680	400	2960	470	2530	530
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2360	470	3450	350	2950	400	2350	470	1990	530
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2370	440	3720	310	3660	310	3000	370	2600	410
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2230	400	3400	280	3120	300	2520	360	2160	410
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2310	330	2100	350	3090	260	2700	290	2150	350	1830	390
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3440	380	2980	420
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3130	350	2720	390
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2250	400	3440	290	3440	290	2910	330	2520	370
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2330	330	2120	360	3140	260	3040	270	2450	320	2100	360
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2290	200	1990	220
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1830	210	1670	230	2190	180	2190	180	2140	190	1850	210
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1580	200	2020	170	2020	170	1960	170	1700	190
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1490	180	1840	150	1840	150	1780	160	1540	180

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

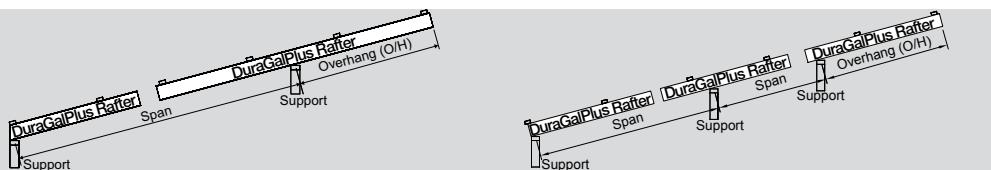
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
			Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H		
150x50x6.0RHS	C450L0	16.7	7260	2310	6890	2380	6360	2490	5980	2580	9050	2000	8590	2070	7920	2180	7450	2270
150x50x5.0RHS	C450L0	14.2	7110	2100	6730	2180	6190	2290	5760	2380	8860	1820	8390	1890	7720	1990	7190	2090
150x50x4.0RHS	C450L0	11.6	6900	1860	6510	1930	5960	2040	5480	2140	8590	1600	8110	1670	7440	1770	6570	1920
150x50x3.0RHS	C450L0	8.96	6610	1590	6220	1650	5590	1770	5120	1870	8230	1360	7750	1420	6720	1570	5840	1720
150x50x2.5RHS	C450L0	7.53	6390	1420	6010	1480	5330	1600	4870	1690	7960	1210	7340	1290	5740	1530	4780	1710
150x50x2.0RHS	C450L0	6.07	6120	1230	5660	1300	5010	1410	4580	1490	6520	1180	5410	1340	4100	1590	3330	1770
125x75x6.0RHS	C450L0	16.7	6920	2030	6560	2100	6050	2200	5600	2300	8620	1750	8180	1820	7540	1920	7100	2000
125x75x5.0RHS	C450L0	14.2	6770	1840	6400	1910	5860	2020	5390	2120	8430	1590	7980	1650	7340	1750	6900	1820
125x75x4.0RHS	C450L0	11.6	6560	1630	6190	1690	5580	1800	5120	1900	8170	1390	7710	1450	7080	1540	6300	1670
125x75x3.0RHS	C450L0	8.96	6270	1380	5880	1450	5220	1560	4780	1650	7820	1180	7360	1230	6390	1370	5560	1500
125x75x2.5RHS	C450L0	7.53	6070	1230	5610	1300	4970	1410	4550	1490	7560	1050	6740	1140	5540	1310	4700	1460
125x75x2.0RHS	C450L0	6.07	5750	1080	5290	1140	4670	1240	4070	1360	6390	1000	5370	1130	4160	1340	3450	1490
100x50x5.0RHS	C450L0	10.3	5410	1030	5000	1090	4450	1180	4080	1250	6910	860	6520	900	5900	970	5130	1070
100x50x4.0RHS	C450L0	8.49	5200	930	4790	990	4250	1070	3890	1130	6710	760	6310	800	5420	900	4710	1000
100x50x3.5RHS	C450L0	7.53	5060	870	4660	920	4130	1000	3780	1060	6580	710	6180	740	5140	860	4470	950
100x50x3.0RHS	C450L0	6.60	4920	810	4520	860	4000	940	3660	1000	6440	650	5920	700	4860	820	4220	910
100x50x2.5RHS	C450L0	5.56	4700	730	4320	780	3810	850	3480	910	6230	580	5470	650	4490	760	3890	840
100x50x2.0RHS	C450L0	4.50	4440	640	4070	690	3590	750	3270	800	5660	530	4920	590	4020	690	3380	790
100x50x1.6RHS	C450L0	3.64	4180	560	3830	600	3340	670	2900	740	4540	530	3810	610	2940	730	2430	820
75x50x5.0RHS	C450L0	8.35	4280	640	3940	690	3500	750	3200	790	5730	510	5280	540	4680	600	4070	670
75x50x4.0RHS	C450L0	6.92	4120	580	3790	620	3350	680	3070	720	5520	460	5080	490	4320	560	3760	630
75x50x3.0RHS	C450L0	5.42	3910	510	3590	550	3170	600	2890	640	5030	420	4750	440	3900	520	3380	580
75x50x2.5RHS	C450L0	4.58	3740	470	3430	500	3020	550	2760	590	4670	390	4400	410	3610	480	3130	540
75x50x2.0RHS	C450L0	3.72	3540	410	3240	440	2850	490	2590	520	4240	350	3680	400	2960	470	2530	530
75x50x1.6RHS	C450L0	3.01	3260	370	3040	390	2670	430	2360	470	3450	350	2950	400	2350	470	1990	530
75x25x2.5RHS	C450L0	3.60	3160	350	2960	370	2610	410	2370	440	3720	310	3660	310	3000	370	2600	410
75x25x2.0RHS	C450L0	2.93	2880	320	2800	330	2460	370	2230	400	3400	280	3120	300	2520	360	2160	410
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2310	330	2100	350	3090	260	2700	290	2150	350	1830	390
65x35x4.0RHS	C450L0	5.35	3350	380	3080	410	2710	450	2480	480	3990	330	3990	330	3440	380	2980	420
65x35x3.0RHS	C450L0	4.25	3130	350	2940	370	2590	410	2360	440	3690	310	3690	310	3130	350	2720	390
65x35x2.5RHS	C450L0	3.60	2920	330	2820	340	2480	370	2250	400	3440	290	3440	290	2910	330	2520	370
65x35x2.0RHS	C450L0	2.93	2670	300	2660	300	2330	330	2120	360	3140	260	3040	270	2450	320	2100	360
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2290	200	1990	220
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1830	210	1670	230	2190	180	2190	180	2140	190	1850	210
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1580	200	2020	170	2020	170	1960	170	1700	190
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1490	180	1840	150	1840	150	1780	160	1540	180

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

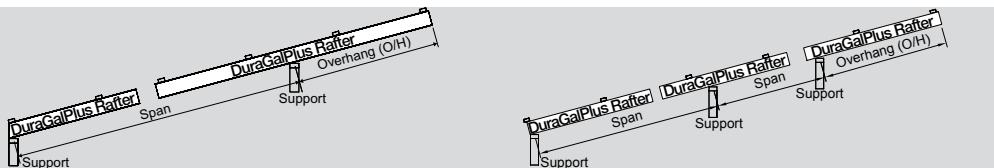
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7260	2310	6880	2380	6010	2570	5460	2700	9050	2000	8590	2070	7640	2240	6590	2440
150x50x5.0RHS	C450L0	14.2	7110	2100	6590	2200	5760	2380	5230	2510	8860	1820	8390	1890	7090	2110	6120	2300
150x50x4.0RHS	C450L0	11.6	6850	1870	6220	1990	5430	2150	4940	2260	8590	1600	7460	1770	6050	2020	5190	2200
150x50x3.0RHS	C450L0	8.96	6350	1630	5770	1740	5040	1880	4580	1980	7220	1490	6170	1660	4920	1910	4160	2010
150x50x2.5RHS	C450L0	7.53	6020	1480	5470	1570	4780	1710	4340	1800	6210	1450	5250	1610	4110	1860	3430	1850
150x50x2.0RHS	C450L0	6.07	5630	1310	5110	1390	4460	1520	3860	1580	4690	1470	3890	1640	2960	1820	2410	1580
125x75x6.0RHS	C450L0	16.7	6920	2030	6450	2120	5630	2290	5120	2410	8620	1750	8180	1820	6950	2020	6000	2210
125x75x5.0RHS	C450L0	14.2	6770	1840	6170	1960	5390	2120	4890	2230	8430	1590	7910	1660	6440	1900	5540	2080
125x75x4.0RHS	C450L0	11.6	6400	1650	5810	1760	5080	1910	4620	2010	8170	1390	7130	1540	5780	1770	4960	1930
125x75x3.0RHS	C450L0	8.96	5930	1440	5390	1530	4710	1660	4280	1760	7070	1270	6080	1410	4880	1630	4150	1790
125x75x2.5RHS	C450L0	7.53	5620	1300	5100	1390	4460	1510	4050	1600	5870	1260	5010	1400	3970	1610	3350	1650
125x75x2.0RHS	C450L0	6.07	5250	1150	4770	1230	3950	1380	3420	1400	4570	1260	3850	1400	2980	1600	2480	1400
100x50x5.0RHS	C450L0	10.3	5080	1080	4620	1150	4030	1260	3660	1330	6810	870	6170	940	5020	1090	4340	1200
100x50x4.0RHS	C450L0	8.49	4820	980	4380	1050	3830	1150	3480	1210	6470	790	5650	870	4590	1020	3970	1120
100x50x3.5RHS	C450L0	7.53	4660	920	4240	990	3700	1080	3360	1140	6180	740	5340	830	4340	970	3760	1070
100x50x3.0RHS	C450L0	6.60	4500	870	4090	930	3580	1010	3250	1070	5600	730	4830	820	3910	950	3350	1050
100x50x2.5RHS	C450L0	5.56	4280	790	3890	840	3400	920	3080	980	5030	700	4320	780	3460	910	2950	1010
100x50x2.0RHS	C450L0	4.50	4010	700	3640	750	3180	820	2890	870	4260	660	3620	750	2860	880	2410	970
100x50x1.6RHS	C450L0	3.64	3750	610	3400	660	2790	750	2420	820	3250	680	2720	770	2110	890	1750	980
75x50x5.0RHS	C450L0	8.35	3960	680	3600	730	3150	800	2860	850	5310	540	4830	590	3960	680	3430	760
75x50x4.0RHS	C450L0	6.92	3780	620	3440	670	3000	740	2730	780	5070	490	4480	550	3650	640	3160	710
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4650	450	4020	500	3280	590	2830	650
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4300	420	3710	470	3030	550	2620	610
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2290	570	3660	400	3140	450	2520	530	2150	590
75x50x1.6RHS	C450L0	3.01	2970	400	2700	430	2270	480	1970	530	2930	400	2500	450	1980	530	1670	590
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2090	480	3560	320	3080	360	2510	420	2170	470
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2170	400	1970	430	3100	310	2670	340	2140	410	1830	460
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	2040	360	1790	390	2680	290	2290	330	1820	390	1540	440
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3990	330	3550	370	2890	430	2500	480
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3690	310	3220	340	2630	400	2270	450
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3440	290	2980	320	2430	380	2110	420
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1870	390	3020	270	2600	310	2090	360	1790	410
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2330	190	1920	230	1660	250
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1470	250	2190	180	2190	180	1790	220	1550	240
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1390	230	2020	170	2000	170	1630	200	1410	220
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1440	190	1280	210	1840	150	1820	160	1480	180	1280	210

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

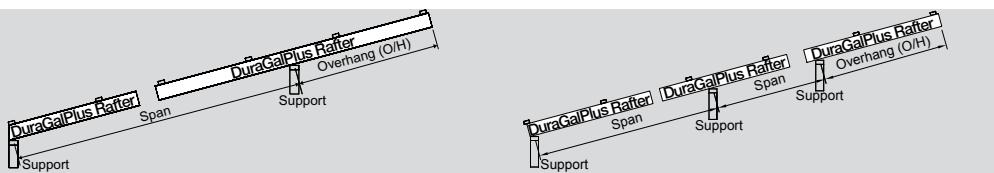
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7260	2310	6880	2380	6010	2570	5460	2700	9050	2000	8590	2070	7640	2240	6590	2440
150x50x5.0RHS	C450L0	14.2	7110	2100	6590	2200	5760	2380	5230	2510	8860	1820	8390	1890	7090	2110	6120	2300
150x50x4.0RHS	C450L0	11.6	6850	1870	6220	1990	5430	2150	4940	2260	8590	1600	7460	1770	6050	2020	5190	2200
150x50x3.0RHS	C450L0	8.96	6350	1630	5770	1740	5040	1880	4580	1980	7220	1490	6170	1660	4920	1910	4160	2010
150x50x2.5RHS	C450L0	7.53	6020	1480	5470	1570	4780	1710	4340	1800	6210	1450	5250	1610	4110	1860	3430	1850
150x50x2.0RHS	C450L0	6.07	5630	1310	5110	1390	4460	1520	3860	1580	4690	1470	3890	1640	2960	1820	2410	1580
125x75x6.0RHS	C450L0	16.7	6920	2030	6450	2120	5630	2290	5120	2410	8620	1750	8180	1820	6950	2020	6000	2210
125x75x5.0RHS	C450L0	14.2	6770	1840	6170	1960	5390	2120	4890	2230	8430	1590	7910	1660	6440	1900	5540	2080
125x75x4.0RHS	C450L0	11.6	6400	1650	5810	1760	5080	1910	4620	2010	8170	1390	7130	1540	5780	1770	4960	1930
125x75x3.0RHS	C450L0	8.96	5930	1440	5390	1530	4710	1660	4280	1760	7070	1270	6080	1410	4880	1630	4150	1790
125x75x2.5RHS	C450L0	7.53	5620	1300	5100	1390	4460	1510	4050	1600	5870	1260	5010	1400	3970	1610	3350	1650
125x75x2.0RHS	C450L0	6.07	5250	1150	4770	1230	3950	1380	3420	1400	4570	1260	3850	1400	2980	1600	2480	1400
100x50x5.0RHS	C450L0	10.3	5080	1080	4620	1150	4030	1260	3660	1330	6810	870	6170	940	5020	1090	4340	1200
100x50x4.0RHS	C450L0	8.49	4820	980	4380	1050	3830	1150	3480	1210	6470	790	5650	870	4590	1020	3970	1120
100x50x3.5RHS	C450L0	7.53	4660	920	4240	990	3700	1080	3360	1140	6180	740	5340	830	4340	970	3760	1070
100x50x3.0RHS	C450L0	6.60	4500	870	4090	930	3580	1010	3250	1070	5600	730	4830	820	3910	950	3350	1050
100x50x2.5RHS	C450L0	5.56	4280	790	3890	840	3400	920	3080	980	5030	700	4320	780	3460	910	2950	1010
100x50x2.0RHS	C450L0	4.50	4010	700	3640	750	3180	820	2890	870	4260	660	3620	750	2860	880	2410	970
100x50x1.6RHS	C450L0	3.64	3750	610	3400	660	2790	750	2420	820	3250	680	2720	770	2110	890	1750	980
75x50x5.0RHS	C450L0	8.35	3960	680	3600	730	3150	800	2860	850	5310	540	4830	590	3960	680	3430	760
75x50x4.0RHS	C450L0	6.92	3780	620	3440	670	3000	740	2730	780	5070	490	4480	550	3650	640	3160	710
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4650	450	4020	500	3280	590	2830	650
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4300	420	3710	470	3030	550	2620	610
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2290	570	3660	400	3140	450	2520	530	2150	590
75x50x1.6RHS	C450L0	3.01	2970	400	2700	430	2270	480	1970	530	2930	400	2500	450	1980	530	1670	590
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2090	480	3560	320	3080	360	2510	420	2170	470
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2170	400	1970	430	3100	310	2670	340	2140	410	1830	460
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	2040	360	1790	390	2680	290	2290	330	1820	390	1540	440
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3990	330	3550	370	2890	430	2500	480
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3690	310	3220	340	2630	400	2270	450
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3440	290	2980	320	2430	380	2110	420
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1870	390	3020	270	2600	310	2090	360	1790	410
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2330	190	1920	230	1660	250
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1470	250	2190	180	2190	180	1790	220	1550	240
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1390	230	2020	170	2000	170	1630	200	1410	220
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1440	190	1280	210	1840	150	1820	160	1480	180	1280	210

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

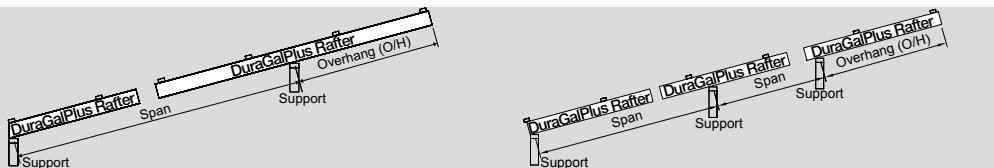
Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	7350	1480
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5710	1530	8550	1140	8140	1190	7540	1260	7110	1320
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5820	1280	5470	1330	8270	980	7850	1020	7240	1090	6820	1140
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5600	1490	8320	1120	7940	1160	7380	1230	6980	1280
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5420	1330	8120	990	7730	1030	7160	1090	6750	1140
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5520	1110	5200	1160	7850	850	7450	880	6880	940	6470	990
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5230	1060	4950	1100	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	5090	940	4810	980	7160	720	6830	750	6340	800	5990	840
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	5000	880	4720	910	7060	670	6720	700	6230	740	5870	780
100x50x3.0RHS	C450L0	6.60	5580	740	5300	770	4900	810	4620	850	6950	610	6610	640	6110	680	5750	720
100x50x2.5RHS	C450L0	5.56	5440	650	5160	680	4750	730	4470	760	6650	550	6420	570	5920	610	5570	640
100x50x2.0RHS	C450L0	4.50	5120	570	4960	590	4560	630	4280	660	6030	500	6030	500	5680	530	5340	560
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4370	540	4090	570	5450	450	5450	450	5440	450	4940	490
75x50x5.0RHS	C450L0	8.35	4970	570	4740	590	4400	630	4160	660	5930	490	5900	500	5480	530	5180	550
75x50x4.0RHS	C450L0	6.92	4690	530	4640	530	4290	570	4040	590	5530	460	5530	460	5340	470	5040	500
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4140	490	3890	520	5030	420	5030	420	5030	420	4850	430
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3770	460	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3600	400	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3260	370	3850	320	3850	320	3850	320	3850	320
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3160	350	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3380	380	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3130	350	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

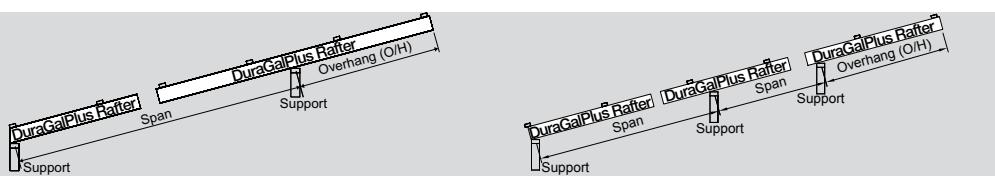
**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	7350	1480
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5710	1530	8550	1140	8140	1190	7540	1260	7110	1320
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5820	1280	5470	1330	8270	980	7850	1020	7240	1090	6820	1140
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5600	1490	8320	1120	7940	1160	7380	1230	6980	1280
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5420	1330	8120	990	7730	1030	7160	1090	6750	1140
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5520	1110	5200	1160	7850	850	7450	880	6880	940	6470	990
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5230	1060	4950	1100	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	5090	940	4810	980	7160	720	6830	750	6340	800	5990	840
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	5000	880	4720	910	7060	670	6720	700	6230	740	5870	780
100x50x3.0RHS	C450L0	6.60	5580	740	5300	770	4900	810	4620	850	6950	610	6610	640	6110	680	5750	720
100x50x2.5RHS	C450L0	5.56	5440	650	5160	680	4750	730	4470	760	6650	550	6420	570	5920	610	5570	640
100x50x2.0RHS	C450L0	4.50	5120	570	4960	590	4560	630	4280	660	6030	500	6030	500	5680	530	5340	560
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4370	540	4010	580	5450	450	5450	450	5440	450	4940	490
75x50x5.0RHS	C450L0	8.35	4970	570	4740	590	4400	630	4160	660	5930	490	5900	500	5480	530	5180	550
75x50x4.0RHS	C450L0	6.92	4690	530	4640	530	4290	570	4040	590	5530	460	5530	460	5340	470	5040	500
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4140	490	3800	530	5030	420	5030	420	5030	420	4850	430
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3620	480	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3390	430	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3180	370	3850	320	3850	320	3850	320	3850	320
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3110	360	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3260	390	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3090	360	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

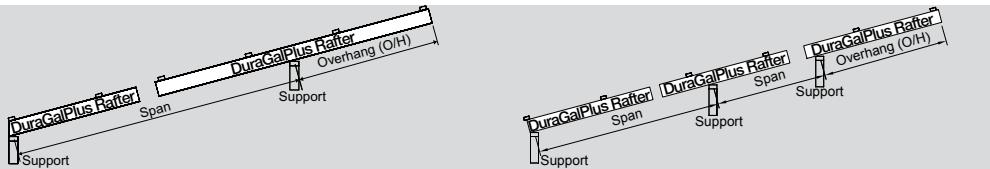
Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	7350	1480
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5710	1530	8550	1140	8140	1190	7540	1260	7110	1320
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5820	1280	5470	1330	8270	980	7850	1020	7240	1090	6420	1190
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5600	1490	8320	1120	7940	1160	7380	1230	6980	1280
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5420	1330	8120	990	7730	1030	7160	1090	6750	1140
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5520	1110	5200	1160	7850	850	7450	880	6880	940	6130	1030
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5230	1060	4950	1100	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	5090	940	4810	980	7160	720	6830	750	6340	800	5990	840
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	5000	880	4720	910	7060	670	6720	700	6230	740	5870	780
100x50x3.0RHS	C450L0	6.60	5580	740	5300	770	4900	810	4620	850	6950	610	6610	640	6110	680	5750	720
100x50x2.5RHS	C450L0	5.56	5440	650	5160	680	4750	730	4470	760	6650	550	6420	570	5920	610	5570	640
100x50x2.0RHS	C450L0	4.50	5120	570	4960	590	4560	630	4280	660	6030	500	6030	500	5680	530	5340	560
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4370	540	4090	570	5450	450	5450	450	5140	480	4380	540
75x50x5.0RHS	C450L0	8.35	4970	570	4740	590	4400	630	4160	660	5930	490	5900	500	5480	530	5180	550
75x50x4.0RHS	C450L0	6.92	4690	530	4640	530	4290	570	4040	590	5530	460	5530	460	5340	470	5040	500
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4140	490	3890	520	5030	420	5030	420	5030	420	4850	430
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3770	460	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3600	400	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3260	370	3850	320	3850	320	3850	320	3850	320
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3160	350	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3380	380	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3130	350	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

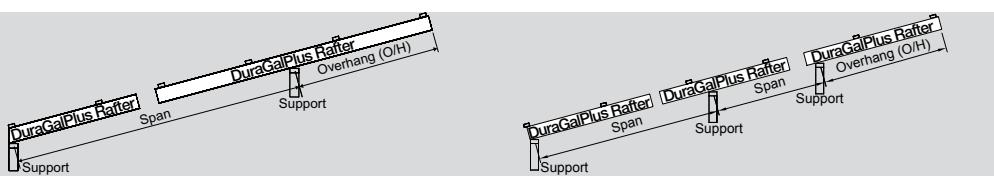
**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	7350	1480
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5710	1530	8550	1140	8140	1190	7540	1260	7110	1320
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5820	1280	5470	1330	8270	980	7850	1020	7240	1090	6420	1190
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5600	1490	8320	1120	7940	1160	7380	1230	6980	1280
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5420	1330	8120	990	7730	1030	7160	1090	6750	1140
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5520	1110	5200	1160	7850	850	7450	880	6880	940	6130	1030
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5230	1060	4950	1100	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	5090	940	4810	980	7160	720	6830	750	6340	800	5990	840
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	5000	880	4720	910	7060	670	6720	700	6230	740	5870	780
100x50x3.0RHS	C450L0	6.60	5580	740	5300	770	4900	810	4620	850	6950	610	6610	640	6110	680	5750	720
100x50x2.5RHS	C450L0	5.56	5440	650	5160	680	4750	730	4470	760	6650	550	6420	570	5920	610	5570	640
100x50x2.0RHS	C450L0	4.50	5120	570	4960	590	4560	630	4280	660	6030	500	6030	500	5680	530	5340	560
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4370	540	4010	580	5450	450	5450	450	5140	480	4380	540
75x50x5.0RHS	C450L0	8.35	4970	570	4740	590	4400	630	4160	660	5930	490	5900	500	5480	530	5180	550
75x50x4.0RHS	C450L0	6.92	4690	530	4640	530	4290	570	4040	590	5530	460	5530	460	5340	470	5040	500
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4140	490	3800	530	5030	420	5030	420	5030	420	4850	430
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3620	480	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3390	430	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3180	370	3850	320	3850	320	3850	320	3710	330
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3110	360	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3260	390	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3090	360	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

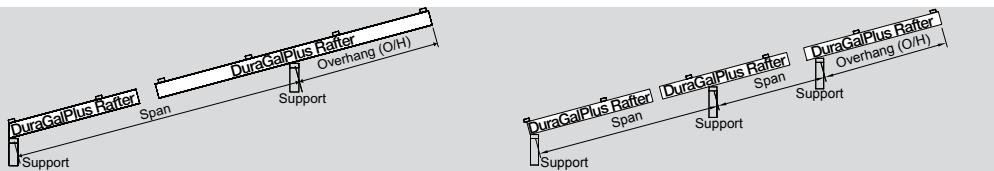
Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
			Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H		
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	7350	1480
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5710	1530	8550	1140	8140	1190	7540	1260	6880	1350
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5820	1280	5470	1330	8270	980	7850	1020	6260	1210	5250	1370
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5600	1490	8320	1120	7940	1160	7380	1230	6980	1280
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5420	1330	8120	990	7730	1030	7160	1090	6480	1180
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5520	1110	5200	1160	7850	850	7450	880	5990	1050	5080	1180
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5230	1060	4950	1100	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	5090	940	4810	980	7160	720	6830	750	6340	800	5990	840
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	5000	880	4720	910	7060	670	6720	700	6230	740	5870	780
100x50x3.0RHS	C450L0	6.60	5580	740	5300	770	4900	810	4620	850	6950	610	6610	640	6110	680	5750	720
100x50x2.5RHS	C450L0	5.56	5440	650	5160	680	4750	730	4470	760	6650	550	6420	570	5920	610	5520	650
100x50x2.0RHS	C450L0	4.50	5120	570	4960	590	4560	630	4230	670	6030	500	6030	500	5500	540	4710	610
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4350	550	3960	590	5450	450	5360	460	4270	550	3610	630
75x50x5.0RHS	C450L0	8.35	4970	570	4740	590	4400	630	4160	660	5930	490	5900	500	5480	530	5180	550
75x50x4.0RHS	C450L0	6.92	4690	530	4640	530	4290	570	3990	600	5530	460	5530	460	5340	470	5040	500
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4130	490	3750	530	5030	420	5030	420	5030	420	4850	430
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3930	450	3570	480	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3350	430	4240	350	4240	350	4240	350	4020	370
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3140	380	3850	320	3850	320	3780	320	3240	370
75x25x2.5RHS	C350L0	3.60	3160	350	3160	350	3160	350	3070	360	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C350L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C350L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	2960	270
65x35x4.0RHS	C350L0	5.35	3380	380	3380	380	3380	380	3210	400	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C350L0	4.25	3130	350	3130	350	3130	350	3050	360	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C350L0	3.60	2920	330	2920	330	2920	330	2910	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C350L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C350L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C350L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C350L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C350L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

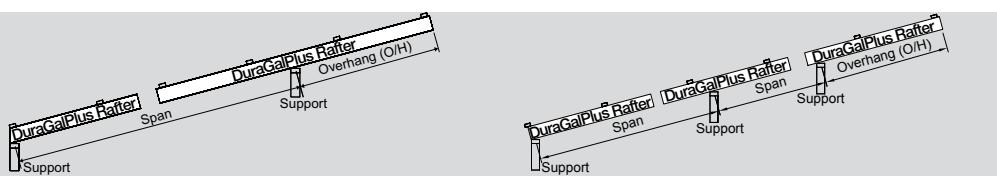
**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	7230	1490
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5610	1550	8550	1140	8140	1190	7540	1260	6630	1380
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5770	1280	5240	1370	8270	980	7850	1020	6260	1210	5250	1370
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5520	1510	8320	1120	7940	1160	7380	1230	6870	1300
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5230	1370	8120	990	7730	1030	6870	1130	5930	1250
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5380	1130	4890	1210	7850	850	7130	910	5790	1070	5000	1190
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5210	1060	4730	1140	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	4950	960	4490	1030	7160	720	6830	750	6340	800	5820	850
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	4780	910	4340	970	7060	670	6720	700	6230	740	5500	820
100x50x3.0RHS	C450L0	6.60	5580	740	5290	770	4620	850	4200	910	6950	610	6610	640	6010	690	5190	780
100x50x2.5RHS	C450L0	5.56	5440	650	5020	700	4390	770	3990	830	6650	550	6420	570	5530	640	4780	720
100x50x2.0RHS	C450L0	4.50	5120	570	4700	620	4110	680	3730	730	6030	500	6030	500	4940	590	4270	660
100x50x1.6RHS	C450L0	3.64	4630	520	4400	540	3840	600	3490	650	5450	450	5020	490	4090	570	3530	640
75x50x5.0RHS	C450L0	8.35	4970	570	4650	600	4070	670	3690	720	5930	490	5900	500	5450	530	4950	570
75x50x4.0RHS	C450L0	6.92	4690	530	4440	550	3880	610	3520	660	5530	460	5530	460	5200	480	4620	530
75x50x3.0RHS	C450L0	5.42	4270	480	4170	490	3640	540	3310	580	5030	420	5030	420	4800	430	4140	490
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3470	490	3150	530	4670	390	4670	390	4430	410	3830	460
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3250	440	2960	470	4240	350	4240	350	3970	370	3430	420
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3050	390	2770	420	3850	320	3850	320	3320	360	2870	410
75x25x2.5RHS	C350L0	3.60	3160	350	3160	350	2980	370	2710	400	3720	310	3720	310	3670	310	3170	350
75x25x2.0RHS	C350L0	2.93	2880	320	2880	320	2810	330	2550	360	3400	280	3400	280	3330	290	2880	320
75x25x1.6RHS	C350L0	2.38	2620	300	2620	300	2620	300	2390	320	3090	260	3090	260	3010	260	2610	300
65x35x4.0RHS	C350L0	5.35	3380	380	3380	380	3120	410	2840	440	3990	330	3990	330	3990	330	3650	360
65x35x3.0RHS	C350L0	4.25	3130	350	3130	350	2960	370	2690	400	3690	310	3690	310	3690	310	3320	340
65x35x2.5RHS	C350L0	3.60	2920	330	2920	330	2830	340	2570	360	3440	290	3440	290	3440	290	3080	310
65x35x2.0RHS	C350L0	2.93	2670	300	2670	300	2660	300	2420	320	3140	260	3140	260	3140	260	2790	290
50x25x3.0RHS	C350L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C350L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C350L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C350L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

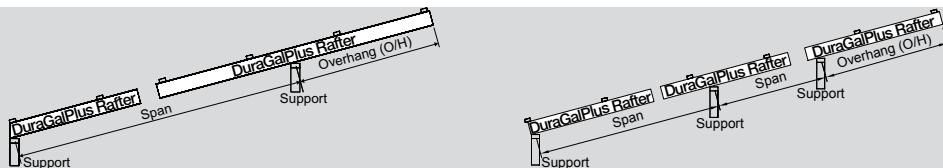
**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	6660	1580
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5610	1550	8550	1140	8140	1190	6720	1370	5700	1530
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5770	1280	5240	1370	7730	1030	6550	1170	5120	1390	4260	1560
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5520	1510	8320	1120	7940	1160	7380	1230	6540	1340
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5230	1370	8120	990	7730	1030	6330	1200	5410	1340
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5380	1130	4890	1210	7310	900	6240	1010	4960	1190	4180	1330
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5210	1060	4730	1140	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	4950	960	4490	1030	7160	720	6830	750	6340	800	5820	850
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	4780	910	4340	970	7060	670	6720	700	6230	740	5500	820
100x50x3.0RHS	C450L0	6.60	5580	740	5290	770	4620	850	4200	910	6950	610	6610	640	6000	690	5180	780
100x50x2.5RHS	C450L0	5.56	5440	650	5020	700	4390	770	3990	830	6650	550	6420	570	5400	660	4650	740
100x50x2.0RHS	C450L0	4.50	5120	570	4700	620	4110	680	3730	730	6030	500	5730	520	4600	630	3920	710
100x50x1.6RHS	C450L0	3.64	4630	520	4400	540	3840	600	3490	650	5240	470	4460	540	3520	640	2970	720
75x50x5.0RHS	C450L0	8.35	4970	570	4650	600	4070	670	3690	720	5930	490	5900	500	5450	530	4950	570
75x50x4.0RHS	C450L0	6.92	4690	530	4440	550	3880	610	3520	660	5530	460	5530	460	5200	480	4620	530
75x50x3.0RHS	C450L0	5.42	4270	480	4170	490	3640	540	3310	580	5030	420	5030	420	4800	430	4140	490
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3470	490	3150	530	4670	390	4670	390	4430	410	3830	460
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3250	440	2960	470	4240	350	4240	350	3930	380	3380	430
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3050	390	2770	420	3850	320	3850	320	3160	380	2700	430
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	2980	370	2710	400	3720	310	3720	310	3670	310	3170	350
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2810	330	2550	360	3400	280	3400	280	3330	290	2870	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2390	320	3090	260	3090	260	2900	270	2470	310
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3120	410	2840	440	3990	330	3990	330	3990	330	3650	360
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	2960	370	2690	400	3690	310	3690	310	3690	310	3320	340
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2830	340	2570	360	3440	290	3440	290	3440	290	3080	310
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2660	300	2420	320	3140	260	3140	260	3140	260	2790	290
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

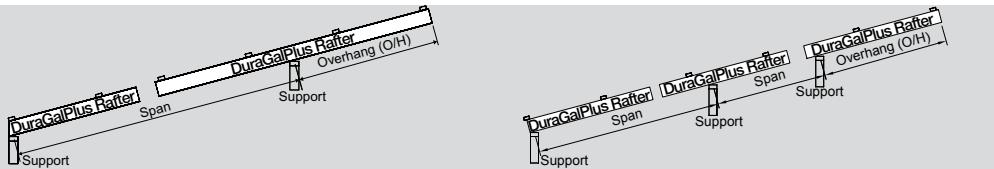
**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6470	2470	9290	1960	8970	2010	8460	2090	8070	2160
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6670	2190	6340	2250	9180	1770	8840	1820	8300	1900	7900	1960
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6490	1940	6150	2000	9010	1540	8640	1590	8080	1670	7660	1740
150x50x3.0RHS	C450L0	8.96	7030	1520	6710	1570	6240	1650	5900	1710	8760	1300	8360	1340	7770	1420	6660	1580
150x50x2.5RHS	C450L0	7.53	6860	1350	6530	1400	6050	1470	5610	1550	8550	1140	8140	1190	6720	1370	5700	1530
150x50x2.0RHS	C450L0	6.07	6640	1160	6300	1210	5770	1280	5240	1370	7730	1030	6550	1170	5120	1390	4260	1560
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6460	2120	6170	2180	8850	1720	8540	1760	8050	1840	7680	1900
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6340	1920	6030	1980	8740	1540	8410	1590	7900	1660	7520	1720
125x75x4.0RHS	C450L0	11.6	6880	1580	6600	1620	6170	1690	5850	1750	8570	1340	8220	1390	7680	1460	7290	1510
125x75x3.0RHS	C450L0	8.96	6680	1320	6370	1370	5930	1440	5520	1510	8320	1120	7940	1160	7380	1230	6540	1340
125x75x2.5RHS	C450L0	7.53	6510	1170	6200	1220	5750	1280	5230	1370	8120	990	7730	1030	6330	1200	5410	1340
125x75x2.0RHS	C450L0	6.07	6300	1010	5980	1050	5380	1130	4890	1210	7310	900	6240	1010	4960	1190	4180	1330
100x50x5.0RHS	C450L0	10.3	5860	980	5610	1010	5210	1060	4730	1140	7300	820	6990	850	6520	900	6170	940
100x50x4.0RHS	C450L0	8.49	5750	860	5480	890	4950	960	4490	1030	7160	720	6830	750	6340	800	5820	850
100x50x3.5RHS	C450L0	7.53	5670	800	5390	830	4780	910	4340	970	7060	670	6720	700	6230	740	5500	820
100x50x3.0RHS	C450L0	6.60	5580	740	5290	770	4620	850	4200	910	6950	610	6610	640	6000	690	5180	780
100x50x2.5RHS	C450L0	5.56	5440	650	5020	700	4390	770	3990	830	6650	550	6420	570	5400	660	4650	740
100x50x2.0RHS	C450L0	4.50	5120	570	4700	620	4110	680	3730	730	6030	500	5730	520	4600	630	3920	710
100x50x1.6RHS	C450L0	3.64	4630	520	4400	540	3840	600	3490	650	5240	470	4460	540	3520	640	2970	720
75x50x5.0RHS	C450L0	8.35	4970	570	4650	600	4070	670	3690	720	5930	490	5900	500	5450	530	4950	570
75x50x4.0RHS	C450L0	6.92	4690	530	4440	550	3880	610	3520	660	5530	460	5530	460	5200	480	4620	530
75x50x3.0RHS	C450L0	5.42	4270	480	4170	490	3640	540	3310	580	5030	420	5030	420	4800	430	4140	490
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3470	490	3150	530	4670	390	4670	390	4430	410	3830	460
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3250	440	2960	470	4240	350	4240	350	3930	380	3380	430
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3050	390	2770	420	3850	320	3850	320	3160	380	2700	430
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	2980	370	2710	400	3720	310	3720	310	3670	310	3170	350
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2810	330	2550	360	3400	280	3400	280	3330	290	2870	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2390	320	3090	260	3090	260	2900	270	2470	310
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3120	410	2840	440	3990	330	3990	330	3990	330	3650	360
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	2960	370	2690	400	3690	310	3690	310	3690	310	3320	340
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2830	340	2570	360	3440	290	3440	290	3440	290	3080	310
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2660	300	2420	320	3140	260	3140	260	3140	260	2790	290
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

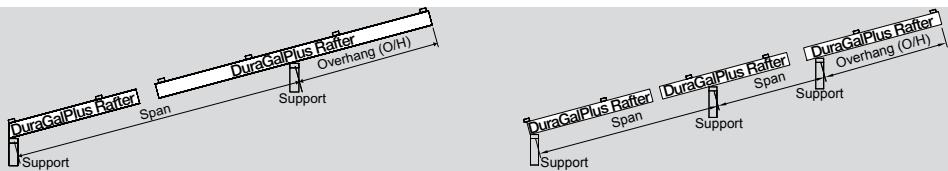
**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6180	2530	9290	1960	8970	2010	8460	2090	7780	2210
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6520	2220	5920	2340	9180	1770	8840	1820	8300	1900	7220	2080
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6150	2000	5590	2120	9010	1540	8640	1590	7600	1740	6560	1920
150x50x3.0RHS	C450L0	8.96	7030	1520	6540	1600	5710	1750	5190	1850	8760	1300	8020	1390	6450	1620	5500	1790
150x50x2.5RHS	C450L0	7.53	6820	1360	6190	1450	5410	1580	4920	1680	8150	1190	6950	1340	5510	1570	4640	1740
150x50x2.0RHS	C450L0	6.07	6370	1200	5790	1280	5060	1400	4540	1500	6330	1200	5310	1360	4110	1590	3390	1760
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6380	2130	5790	2260	8850	1720	8540	1760	8050	1840	7480	1930
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6100	1970	5540	2080	8740	1540	8410	1590	7900	1660	6930	1820
125x75x4.0RHS	C450L0	11.6	6880	1580	6580	1620	5750	1770	5230	1880	8570	1340	8220	1390	7300	1510	6300	1670
125x75x3.0RHS	C450L0	8.96	6680	1320	6100	1410	5330	1540	4840	1640	8320	1120	7840	1180	6340	1370	5440	1520
125x75x2.5RHS	C450L0	7.53	6360	1190	5780	1280	5050	1400	4590	1480	7620	1040	6540	1170	5240	1360	4450	1510
125x75x2.0RHS	C450L0	6.07	5950	1050	5400	1130	4650	1250	4020	1370	6050	1040	5130	1170	4040	1360	3380	1510
100x50x5.0RHS	C450L0	10.3	5750	990	5230	1060	4570	1160	4150	1240	7300	820	6990	850	5920	970	5110	1080
100x50x4.0RHS	C450L0	8.49	5460	900	4960	960	4330	1060	3940	1130	7160	720	6650	770	5410	900	4670	1000
100x50x3.5RHS	C450L0	7.53	5280	840	4800	900	4190	990	3810	1060	7060	670	6300	730	5120	860	4420	960
100x50x3.0RHS	C450L0	6.60	5100	790	4630	850	4050	930	3680	990	6840	620	5930	700	4820	820	4170	910
100x50x2.5RHS	C450L0	5.56	4840	720	4400	770	3850	850	3490	910	6320	580	5460	650	4440	760	3840	850
100x50x2.0RHS	C450L0	4.50	4540	630	4120	680	3600	750	3270	800	5560	540	4750	610	3790	720	3220	810
100x50x1.6RHS	C450L0	3.64	4240	560	3860	600	3290	670	2840	750	4320	550	3650	630	2860	740	2390	830
75x50x5.0RHS	C450L0	8.35	4490	620	4080	670	3560	740	3240	790	5930	490	5470	530	4670	600	4030	670
75x50x4.0RHS	C450L0	6.92	4280	570	3890	610	3400	670	3090	720	5530	460	5220	480	4300	570	3710	630
75x50x3.0RHS	C450L0	5.42	4020	500	3650	540	3190	600	2900	640	5030	420	4740	440	3860	520	3330	580
75x50x2.5RHS	C450L0	4.58	3830	460	3480	490	3040	550	2760	590	4670	390	4370	410	3560	480	3080	540
75x50x2.0RHS	C450L0	3.72	3590	410	3260	440	2850	490	2590	520	4240	350	3920	380	3200	440	2760	500
75x50x1.6RHS	C450L0	3.01	3260	370	3060	390	2670	430	2310	480	3790	320	3270	370	2610	440	2220	490
75x25x2.5RHS	C450L0	3.60	3160	350	2990	370	2610	410	2370	440	3720	310	3620	320	2950	370	2550	420
75x25x2.0RHS	C450L0	2.93	2880	320	2810	330	2460	370	2230	400	3400	280	3290	290	2680	340	2320	380
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2310	330	2100	350	3090	260	2980	270	2390	320	2040	360
65x35x4.0RHS	C450L0	5.35	3380	380	3130	410	2740	450	2480	480	3990	330	3990	330	3400	380	2940	430
65x35x3.0RHS	C450L0	4.25	3130	350	2970	370	2600	410	2360	440	3690	310	3690	310	3090	360	2670	400
65x35x2.5RHS	C450L0	3.60	2920	330	2840	340	2480	370	2250	400	3440	290	3440	290	2860	330	2480	370
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2330	330	2120	360	3140	260	3140	260	2600	310	2250	340
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2250	200	1950	220
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1830	210	1670	230	2190	180	2190	180	2100	190	1820	210
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1580	200	2020	170	2020	170	1920	170	1660	200
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1490	180	1840	150	1840	150	1740	160	1510	180

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

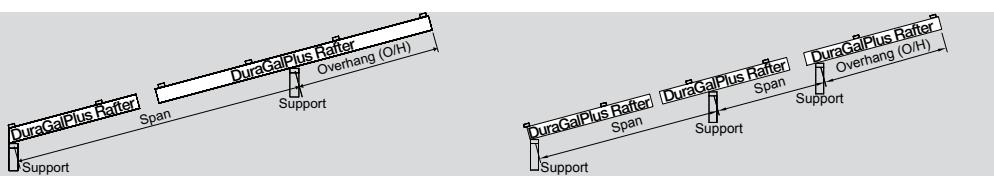
**Maximum rafter span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span								Continuous span							
			450		600		900		1200		450		600		900		1200	
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	
150x50x6.0RHS	C450L0	16.7	7460	2270	7200	2320	6790	2400	6180	2530	9290	1960	8970	2010	8460	2090	7780	2210
150x50x5.0RHS	C450L0	14.2	7370	2060	7100	2110	6520	2220	5920	2340	9180	1770	8840	1820	8300	1900	7220	2080
150x50x4.0RHS	C450L0	11.6	7230	1800	6940	1850	6150	2000	5590	2120	9010	1540	8640	1590	7600	1740	6560	1920
150x50x3.0RHS	C450L0	8.96	7030	1520	6540	1600	5710	1750	5190	1850	8760	1300	8020	1390	6450	1620	5500	1790
150x50x2.5RHS	C450L0	7.53	6820	1360	6190	1450	5410	1580	4920	1680	8150	1190	6950	1340	5510	1570	4640	1740
150x50x2.0RHS	C450L0	6.07	6370	1200	5790	1280	5060	1400	4540	1500	6330	1200	5310	1360	4110	1590	3390	1760
125x75x6.0RHS	C450L0	16.7	7100	2000	6850	2040	6380	2130	5790	2260	8850	1720	8540	1760	8050	1840	7480	1930
125x75x5.0RHS	C450L0	14.2	7010	1800	6750	1850	6100	1970	5540	2080	8740	1540	8410	1590	7900	1660	6930	1820
125x75x4.0RHS	C450L0	11.6	6880	1580	6580	1620	5750	1770	5230	1880	8570	1340	8220	1390	7300	1510	6300	1670
125x75x3.0RHS	C450L0	8.96	6680	1320	6100	1410	5330	1540	4840	1640	8320	1120	7840	1180	6340	1370	5440	1520
125x75x2.5RHS	C450L0	7.53	6360	1190	5780	1280	5050	1400	4590	1480	7620	1040	6540	1170	5240	1360	4450	1510
125x75x2.0RHS	C450L0	6.07	5950	1050	5400	1130	4650	1250	4020	1370	6050	1040	5130	1170	4040	1360	3380	1510
100x50x5.0RHS	C450L0	10.3	5750	990	5230	1060	4570	1160	4150	1240	7300	820	6990	850	5920	970	5110	1080
100x50x4.0RHS	C450L0	8.49	5460	900	4960	960	4330	1060	3940	1130	7160	720	6650	770	5410	900	4670	1000
100x50x3.5RHS	C450L0	7.53	5280	840	4800	900	4190	990	3810	1060	7060	670	6300	730	5120	860	4420	960
100x50x3.0RHS	C450L0	6.60	5100	790	4630	850	4050	930	3680	990	6840	620	5930	700	4820	820	4170	910
100x50x2.5RHS	C450L0	5.56	4840	720	4400	770	3850	850	3490	910	6320	580	5460	650	4440	760	3840	850
100x50x2.0RHS	C450L0	4.50	4540	630	4120	680	3600	750	3270	800	5560	540	4750	610	3790	720	3220	810
100x50x1.6RHS	C450L0	3.64	4240	560	3860	600	3290	670	2840	750	4320	550	3650	630	2860	740	2390	830
75x50x5.0RHS	C450L0	8.35	4490	620	4080	670	3560	740	3240	790	5930	490	5470	530	4670	600	4030	670
75x50x4.0RHS	C450L0	6.92	4280	570	3890	610	3400	670	3090	720	5530	460	5220	480	4300	570	3710	630
75x50x3.0RHS	C450L0	5.42	4020	500	3650	540	3190	600	2900	640	5030	420	4740	440	3860	520	3330	580
75x50x2.5RHS	C450L0	4.58	3830	460	3480	490	3040	550	2760	590	4670	390	4370	410	3560	480	3080	540
75x50x2.0RHS	C450L0	3.72	3590	410	3260	440	2850	490	2590	520	4240	350	3920	380	3200	440	2760	500
75x50x1.6RHS	C450L0	3.01	3260	370	3060	390	2670	430	2310	480	3790	320	3270	370	2610	440	2220	490
75x25x2.5RHS	C450L0	3.60	3160	350	2990	370	2610	410	2370	440	3720	310	3620	320	2950	370	2550	420
75x25x2.0RHS	C450L0	2.93	2880	320	2810	330	2460	370	2230	400	3400	280	3290	290	2680	340	2320	380
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2310	330	2100	350	3090	260	2980	270	2390	320	2040	360
65x35x4.0RHS	C450L0	5.35	3380	380	3130	410	2740	450	2480	480	3990	330	3990	330	3400	380	2940	430
65x35x3.0RHS	C450L0	4.25	3130	350	2970	370	2600	410	2360	440	3690	310	3690	310	3090	360	2670	400
65x35x2.5RHS	C450L0	3.60	2920	330	2840	340	2480	370	2250	400	3440	290	3440	290	2860	330	2480	370
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2330	330	2120	360	3140	260	3140	260	2600	310	2250	340
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2250	200	1950	220
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1830	210	1670	230	2190	180	2190	180	2100	190	1820	210
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1580	200	2020	170	2020	170	1920	170	1660	200
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1490	180	1840	150	1840	150	1740	160	1510	180

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

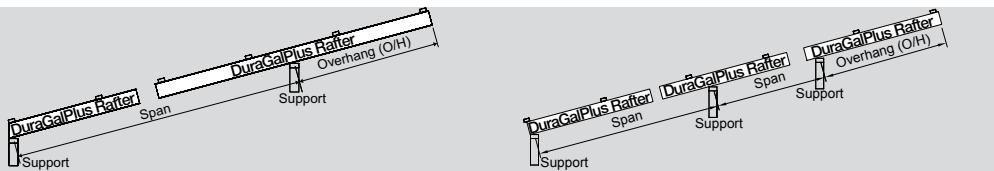
Maximum rafter span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7460	2270	6880	2380	6010	2570	5460	2700	9290	1960	8970	2010	7320	2300	6310	2500
150x50x5.0RHS	C450L0	14.2	7250	2080	6590	2200	5760	2380	5230	2510	9180	1770	8360	1890	6790	2160	5860	2360
150x50x4.0RHS	C450L0	11.6	6850	1870	6220	1990	5430	2150	4940	2260	8810	1570	7600	1740	6170	2000	5330	2170
150x50x3.0RHS	C450L0	8.96	6350	1630	5770	1740	5040	1880	4580	1980	7760	1420	6650	1580	5310	1830	4510	2000
150x50x2.5RHS	C450L0	7.53	6020	1480	5470	1570	4780	1710	4340	1800	6710	1370	5690	1530	4470	1780	3740	1840
150x50x2.0RHS	C450L0	6.07	5630	1310	5110	1390	4270	1550	3700	1570	5110	1390	4260	1560	3250	1800	2660	1570
125x75x6.0RHS	C450L0	16.7	7100	2000	6450	2120	5630	2290	5120	2410	8850	1720	8540	1760	7030	2010	6070	2200
125x75x5.0RHS	C450L0	14.2	6790	1840	6170	1960	5390	2120	4890	2230	8740	1540	8030	1640	6520	1890	5630	2060
125x75x4.0RHS	C450L0	11.6	6400	1650	5810	1760	5080	1910	4620	2010	8460	1360	7290	1510	5920	1740	5120	1900
125x75x3.0RHS	C450L0	8.96	5930	1440	5390	1530	4710	1660	4280	1760	7400	1230	6380	1370	5190	1570	4480	1710
125x75x2.5RHS	C450L0	7.53	5620	1300	5100	1390	4460	1510	3880	1630	6320	1200	5400	1340	4300	1540	3630	1640
125x75x2.0RHS	C450L0	6.07	5250	1150	4650	1250	3780	1420	3270	1390	4950	1200	4180	1330	3250	1540	2710	1390
100x50x5.0RHS	C450L0	10.3	5080	1080	4620	1150	4030	1260	3660	1330	6810	870	5910	970	4810	1120	4150	1240
100x50x4.0RHS	C450L0	8.49	4820	980	4380	1050	3830	1150	3480	1210	6260	810	5410	900	4400	1050	3800	1150
100x50x3.5RHS	C450L0	7.53	4660	920	4240	990	3700	1080	3360	1140	5920	770	5110	860	4160	1000	3600	1100
100x50x3.0RHS	C450L0	6.60	4500	870	4090	930	3580	1010	3250	1070	5580	740	4820	820	3920	950	3390	1050
100x50x2.5RHS	C450L0	5.56	4280	790	3890	840	3400	920	3080	980	5140	680	4440	760	3620	880	3130	970
100x50x2.0RHS	C450L0	4.50	4010	700	3640	750	3180	820	2800	890	4590	630	3910	710	3100	830	2620	920
100x50x1.6RHS	C450L0	3.64	3750	610	3280	680	2680	770	2320	850	3520	640	2960	730	2300	850	1910	940
75x50x6.0RHS	C450L0	9.67	3960	680	3600	730	3150	800	2860	850	5310	540	4670	600	3800	700	3280	780
75x50x4.0RHS	C450L0	6.92	3780	620	3440	670	3000	740	2730	780	4970	500	4290	570	3500	660	3020	730
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4460	460	3850	520	3140	610	2720	670
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4110	430	3560	480	2900	570	2510	630
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2250	570	3690	400	3190	450	2600	520	2250	570
75x50x1.6RHS	C450L0	3.01	2970	400	2670	430	2180	500	1890	550	3090	380	2670	430	2140	500	1810	560
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2080	490	3410	330	2950	370	2410	440	2080	490
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2170	400	1890	450	3100	310	2680	340	2180	400	1890	450
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	1980	370	1710	410	2800	280	2420	310	1970	370	1660	420
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3930	340	3400	380	2770	450	2390	500
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3570	320	3090	360	2520	420	2180	460
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3310	300	2860	330	2330	390	2020	430
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1830	400	3000	270	2600	310	2120	360	1830	400
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2250	200	1840	230	1590	260
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1470	250	2190	180	2100	190	1710	220	1480	250
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1350	230	2020	170	1920	170	1560	210	1350	230
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1420	190	1230	210	1840	150	1740	160	1420	190	1230	210

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

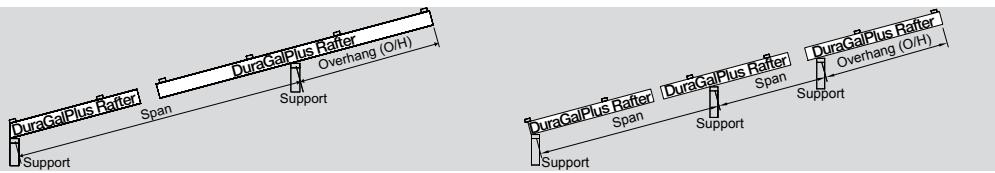
**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	7460	2270	6880	2380	6010	2570	5460	2700	9290	1960	8970	2010	7320	2300	6310	2500
150x50x5.0RHS	C450L0	14.2	7250	2080	6590	2200	5760	2380	5230	2510	9180	1770	8360	1890	6790	2160	5860	2360
150x50x4.0RHS	C450L0	11.6	6850	1870	6220	1990	5430	2150	4940	2260	8810	1570	7600	1740	6170	2000	5330	2170
150x50x3.0RHS	C450L0	8.96	6350	1630	5770	1740	5040	1880	4580	1980	7760	1420	6650	1580	5310	1830	4510	2000
150x50x2.5RHS	C450L0	7.53	6020	1480	5470	1570	4780	1710	4340	1800	6710	1370	5690	1530	4470	1780	3740	1840
150x50x2.0RHS	C450L0	6.07	5630	1310	5110	1390	4270	1550	3700	1570	5110	1390	4260	1560	3250	1800	2660	1570
125x75x6.0RHS	C450L0	16.7	7100	2000	6450	2120	5630	2290	5120	2410	8850	1720	8540	1760	7030	2010	6070	2200
125x75x5.0RHS	C450L0	14.2	6790	1840	6170	1960	5390	2120	4890	2230	8740	1540	8030	1640	6520	1890	5630	2060
125x75x4.0RHS	C450L0	11.6	6400	1650	5810	1760	5080	1910	4620	2010	8460	1360	7290	1510	5920	1740	5120	1900
125x75x3.0RHS	C450L0	8.96	5930	1440	5390	1530	4710	1660	4280	1760	7400	1230	6380	1370	5190	1570	4480	1710
125x75x2.5RHS	C450L0	7.53	5620	1300	5100	1390	4460	1510	3880	1630	6320	1200	5400	1340	4300	1540	3630	1640
125x75x2.0RHS	C450L0	6.07	5250	1150	4650	1250	3780	1420	3270	1390	4950	1200	4180	1330	3250	1540	2710	1390
100x50x5.0RHS	C450L0	10.3	5080	1080	4620	1150	4030	1260	3660	1330	6810	870	5910	970	4810	1120	4150	1240
100x50x4.0RHS	C450L0	8.49	4820	980	4380	1050	3830	1150	3480	1210	6260	810	5410	900	4400	1050	3800	1150
100x50x3.5RHS	C450L0	7.53	4660	920	4240	990	3700	1080	3360	1140	5920	770	5110	860	4160	1000	3600	1100
100x50x3.0RHS	C450L0	6.60	4500	870	4090	930	3580	1010	3250	1070	5580	740	4820	820	3920	950	3390	1050
100x50x2.5RHS	C450L0	5.56	4280	790	3890	840	3400	920	3080	980	5140	680	4440	760	3620	880	3130	970
100x50x2.0RHS	C450L0	4.50	4010	700	3640	750	3180	820	2800	890	4590	630	3910	710	3100	830	2620	920
100x50x1.6RHS	C450L0	3.64	3750	610	3280	680	2680	770	2320	850	3520	640	2960	730	2300	850	1910	940
75x50x5.0RHS	C450L0	8.35	3960	680	3600	730	3150	800	2860	850	5310	540	4670	600	3800	700	3280	780
75x50x4.0RHS	C450L0	6.92	3780	620	3440	670	3000	740	2730	780	4970	500	4290	570	3500	660	3020	730
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4460	460	3850	520	3140	610	2720	670
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4110	430	3560	480	2900	570	2510	630
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2250	570	3690	400	3190	450	2600	520	2250	570
75x50x1.6RHS	C450L0	3.01	2970	400	2670	430	2180	500	1890	550	3090	380	2670	430	2140	500	1810	560
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2080	490	3410	330	2950	370	2410	440	2080	490
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2170	400	1890	450	3100	310	2680	340	2180	400	1890	450
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	1980	370	1710	410	2800	280	2420	310	1970	370	1660	420
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3930	340	3400	380	2770	450	2390	500
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3570	320	3090	360	2520	420	2180	460
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3310	300	2860	330	2330	390	2020	430
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1830	400	3000	270	2600	310	2120	360	1830	400
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2250	200	1840	230	1590	260
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1470	250	2190	180	2100	190	1710	220	1480	250
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1350	230	2020	170	1920	170	1560	210	1350	230
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1420	190	1230	210	1840	150	1740	160	1420	190	1230	210

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

\*<sup>1</sup> Ceiling in line with the rafter and supported by the rafter. The wind load used to generate tables are those resulting from both internal and external pressure.

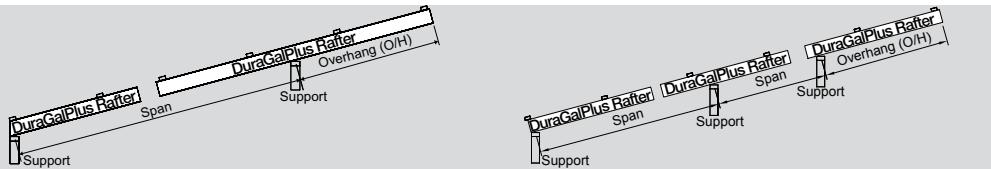
\*<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	9230	1970	8980	2010	8760	2040	11680	1660	11500	1680	11190	1710	10920	1740
150x50x5.0RHS	C450L0	14.2	9370	1740	9210	1770	8930	1810	8690	1840	11670	1470	11480	1490	11130	1530	10830	1560
150x50x4.0RHS	C450L0	11.6	9330	1500	9150	1530	8830	1570	8300	1640	11630	1260	11400	1290	11000	1320	10670	1360
150x50x3.0RHS	C450L0	8.96	9250	1240	9040	1260	8480	1330	7700	1430	11530	1040	11260	1060	10800	1100	10320	1140
150x50x2.5RHS	C450L0	7.53	9150	1080	8910	1110	8030	1200	7300	1290	11100	920	11100	920	10610	960	9780	1030
150x50x2.0RHS	C450L0	6.07	8510	960	8510	960	7510	1060	6820	1140	10030	830	10030	830	830	8720	940	
125x75x6.0RHS	C450L0	16.7	8920	1710	8790	1730	8550	1760	8340	1790	11120	1450	10950	1460	10660	1490	10400	1520
125x75x5.0RHS	C450L0	14.2	8920	1520	8770	1540	8500	1580	8230	1610	11110	1280	10920	1300	10590	1330	10300	1360
125x75x4.0RHS	C450L0	11.6	8870	1310	8700	1330	8400	1360	7760	1450	11050	1100	10840	1110	10460	1150	10140	1180
125x75x3.0RHS	C450L0	8.96	8790	1070	8580	1100	7910	1170	7190	1250	10850	900	10690	910	10260	950	9640	1000
125x75x2.5RHS	C450L0	7.53	8490	950	8460	960	7500	1050	6810	1130	10010	830	10010	830	830	9130	900	
125x75x2.0RHS	C450L0	6.07	7670	860	7670	860	7010	930	6370	1000	9040	750	9040	750	9040	750	8190	820
100x50x5.0RHS	C450L0	10.3	7300	820	7300	820	6780	870	6160	940	8610	710	8610	710	8610	710	8260	740
100x50x4.0RHS	C450L0	8.49	6750	760	6750	760	6440	790	5850	850	7960	660	7960	660	7960	660	7840	670
100x50x3.5RHS	C450L0	7.53	6420	720	6420	720	6220	740	5650	800	7570	630	7570	630	7570	630	7570	630
100x50x3.0RHS	C450L0	6.60	6100	680	6100	680	6010	690	5460	750	7180	600	7180	600	7180	600	7180	600
100x50x2.5RHS	C450L0	5.56	5640	630	5640	630	5640	630	5190	680	6650	550	6650	550	6650	550	6650	550
100x50x2.0RHS	C450L0	4.50	5120	570	5120	570	5120	570	4860	600	6030	500	6030	500	6030	500	6030	500
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4630	520	4540	530	5450	450	5450	450	5450	450	5450	450
75x50x5.0RHS	C450L0	8.35	5030	570	5030	570	5030	570	4810	590	5930	490	5930	490	5930	490	5930	490
75x50x4.0RHS	C450L0	6.92	4690	530	4690	530	4690	530	4590	540	5530	460	5530	460	5530	460	5530	460
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4270	480	4270	480	5030	420	5030	420	5030	420	5030	420
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3960	450	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3600	400	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3260	370	3850	320	3850	320	3850	320	3850	320
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3160	350	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3380	380	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3130	350	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

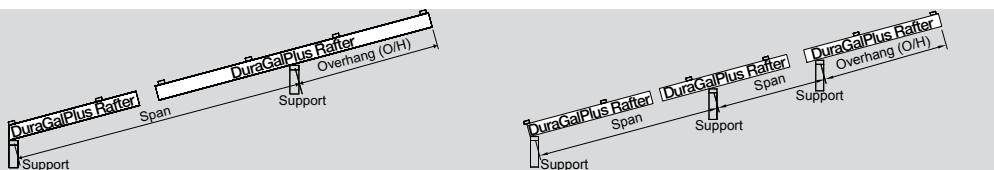
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span<sup>\*2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	9230	1970	8920	2020	8100	2150	11680	1660	11500	1680	11190	1710	10860	1750
150x50x5.0RHS	C450L0	14.2	9370	1740	9210	1770	8540	1860	7760	1990	11670	1470	11480	1490	11130	1530	10400	1610
150x50x4.0RHS	C450L0	11.6	9330	1500	9150	1530	8060	1670	7320	1790	11630	1260	11400	1290	10810	1340	9820	1450
150x50x3.0RHS	C450L0	8.96	9250	1240	8560	1320	7480	1460	6800	1560	11530	1040	11260	1060	10030	1160	9110	1260
150x50x2.5RHS	C450L0	7.53	8930	1100	8120	1190	7090	1320	6440	1410	11100	920	10880	940	9500	1050	8630	1140
150x50x2.0RHS	C450L0	6.07	8350	970	7590	1050	6630	1160	6020	1250	10030	830	10030	830	8880	920	8070	1000
125x75x6.0RHS	C450L0	16.7	8920	1710	8790	1730	8360	1790	7590	1910	11120	1450	10950	1460	10660	1490	10180	1550
125x75x5.0RHS	C450L0	14.2	8920	1520	8770	1540	7990	1650	7260	1760	11110	1280	10920	1300	10590	1330	9730	1420
125x75x4.0RHS	C450L0	11.6	8870	1310	8630	1340	7540	1480	6850	1580	11050	1100	10840	1110	10100	1180	9180	1270
125x75x3.0RHS	C450L0	8.96	8790	1070	7990	1160	6980	1280	6350	1370	10850	900	10690	910	9360	1020	8510	1100
125x75x2.5RHS	C450L0	7.53	8340	970	7570	1050	6620	1160	6010	1240	10010	830	10010	830	8870	920	8060	1000
125x75x2.0RHS	C450L0	6.07	7670	860	7080	920	6180	1020	5620	1100	9040	750	9040	750	8290	810	7270	900
100x50x5.0RHS	C450L0	10.3	7300	820	6850	860	5980	960	5440	1030	8610	710	8610	710	8020	760	7290	820
100x50x4.0RHS	C450L0	8.49	6750	760	6500	780	5680	870	5160	940	7960	660	7960	660	7610	690	6920	740
100x50x3.5RHS	C450L0	7.53	6420	720	6290	730	5490	820	4990	880	7570	630	7570	630	7360	640	6690	700
100x50x3.0RHS	C450L0	6.60	6100	680	6070	690	5310	760	4820	820	7180	600	7180	600	7110	600	6460	650
100x50x2.5RHS	C450L0	5.56	5640	630	5640	630	5040	690	4580	750	6650	550	6650	550	6650	550	6140	590
100x50x2.0RHS	C450L0	4.50	5120	570	5120	570	4720	610	4290	660	6030	500	6030	500	6030	500	5750	520
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4410	540	4010	580	5450	450	5450	450	5450	450	5120	480
75x50x5.0RHS	C450L0	8.35	5030	570	5030	570	4670	600	4240	650	5930	490	5930	490	5930	490	5690	510
75x50x4.0RHS	C450L0	6.92	4690	530	4690	530	4450	550	4050	590	5530	460	5530	460	5530	460	5420	470
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4180	490	3800	530	5030	420	5030	420	5030	420	5030	420
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3620	480	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3390	430	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3180	370	3850	320	3850	320	3850	320	3850	320
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3110	360	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3260	390	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3090	360	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

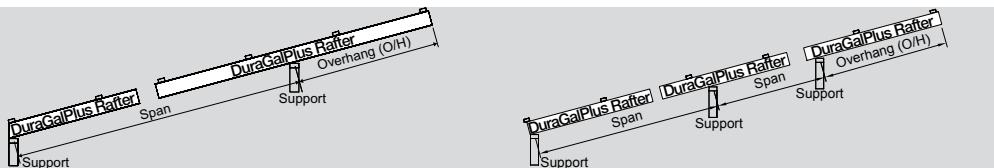
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	9230	1970	8980	2010	8760	2040	11680	1660	11500	1680	11190	1710	10920	1740
150x50x5.0RHS	C450L0	14.2	9370	1740	9210	1770	8930	1810	8690	1840	11670	1470	11480	1490	11130	1530	10830	1560
150x50x4.0RHS	C450L0	11.6	9330	1500	9150	1530	8830	1570	8300	1640	11630	1260	11400	1290	11000	1320	10670	1360
150x50x3.0RHS	C450L0	8.96	9250	1240	9040	1260	8480	1330	7700	1430	11530	1040	11260	1060	10800	1100	10320	1140
150x50x2.5RHS	C450L0	7.53	9150	1080	8910	1110	8030	1200	7300	1290	11100	920	11100	920	10610	960	9440	1060
150x50x2.0RHS	C450L0	6.07	8510	960	8510	960	7510	1060	6820	1140	10030	830	10030	830	8730	940	7430	1070
125x75x6.0RHS	C450L0	16.7	8920	1710	8790	1730	8550	1760	8340	1790	11120	1450	10950	1460	10660	1490	10400	1520
125x75x5.0RHS	C450L0	14.2	8920	1520	8770	1540	8500	1580	8230	1610	11110	1280	10920	1300	10590	1330	10300	1360
125x75x4.0RHS	C450L0	11.6	8870	1310	8700	1330	8400	1360	7760	1450	11050	1100	10840	1110	10460	1150	10140	1180
125x75x3.0RHS	C450L0	8.96	8790	1070	8580	1100	7910	1170	7190	1250	10850	900	10690	910	10260	950	9640	1000
125x75x2.5RHS	C450L0	7.53	8490	950	8460	960	7500	1050	6810	1130	10010	830	10010	830	8770	930		
125x75x2.0RHS	C450L0	6.07	7670	860	7670	860	7010	930	6370	1000	9040	750	9040	750	8200	820	7040	920
100x50x5.0RHS	C450L0	10.3	7300	820	7300	820	6780	870	6160	940	8610	710	8610	710	8610	710	8260	740
100x50x4.0RHS	C450L0	8.49	6750	760	6750	760	6440	790	5850	850	7960	660	7960	660	7960	660	7840	670
100x50x3.5RHS	C450L0	7.53	6420	720	6420	720	6220	740	5650	800	7570	630	7570	630	7570	630	7570	630
100x50x3.0RHS	C450L0	6.60	6100	680	6100	680	6010	690	5460	750	7180	600	7180	600	7180	600	7180	600
100x50x2.5RHS	C450L0	5.56	5640	630	5640	630	5640	630	5190	680	6650	550	6650	550	6650	550	6650	550
100x50x2.0RHS	C450L0	4.50	5120	570	5120	570	5120	570	4860	600	6030	500	6030	500	6030	500	6030	500
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4630	520	4540	530	5450	450	5450	450	5450	450	5040	480
75x50x5.0RHS	C450L0	8.35	5030	570	5030	570	5030	570	4810	590	5930	490	5930	490	5930	490	5930	490
75x50x4.0RHS	C450L0	6.92	4690	530	4690	530	4690	530	4590	540	5530	460	5530	460	5530	460	5530	460
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4270	480	4270	480	5030	420	5030	420	5030	420	5030	420
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3960	450	4670	390	4670	390	4670	390	4670	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3600	400	4240	350	4240	350	4240	350	4240	350
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3260	370	3850	320	3850	320	3850	320	3850	320
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3160	350	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3380	380	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3130	350	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

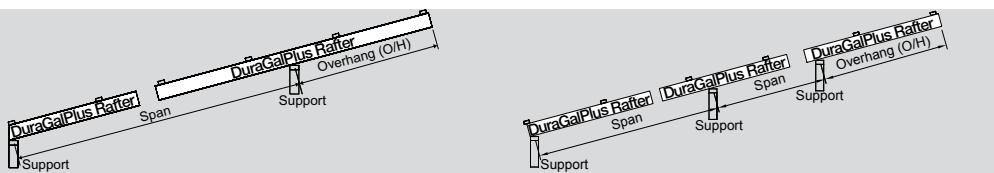
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	9230	1970	8920	2020	8100	2150	11680	1660	11500	1680	11190	1710	10860	1750
150x50x5.0RHS	C450L0	14.2	9370	1740	9210	1770	8540	1860	7760	1990	11670	1470	11480	1490	11130	1530	10400	1610
150x50x4.0RHS	C450L0	11.6	9330	1500	9150	1530	8060	1670	7320	1790	11630	1260	11400	1290	10810	1340	9820	1450
150x50x3.0RHS	C450L0	8.96	9250	1240	8560	1320	7480	1460	6800	1560	11530	1040	11260	1060	10030	1160	8830	1290
150x50x2.5RHS	C450L0	7.53	8930	1100	8120	1190	7090	1320	6440	1410	11100	920	10880	940	9400	1060	8100	1190
150x50x2.0RHS	C450L0	6.07	8350	970	7590	1050	6630	1160	6020	1250	10030	830	9860	850	7990	1010	6890	1130
125x75x6.0RHS	C450L0	16.7	8920	1710	8790	1730	8360	1790	7590	1910	11120	1450	10950	1460	10660	1490	10180	1550
125x75x5.0RHS	C450L0	14.2	8920	1520	8770	1540	7990	1650	7260	1760	11110	1280	10920	1300	10590	1330	9730	1420
125x75x4.0RHS	C450L0	11.6	8870	1310	8630	1340	7540	1480	6850	1580	11050	1100	10840	1110	10100	1180	9180	1270
125x75x3.0RHS	C450L0	8.96	8790	1070	7990	1160	6980	1280	6350	1370	10850	900	10690	910	9360	1020	8400	1110
125x75x2.5RHS	C450L0	7.53	8340	970	7570	1050	6620	1160	6010	1240	10010	830	10010	830	8400	960	7240	1080
125x75x2.0RHS	C450L0	6.07	7670	860	7080	920	6180	1020	5620	1100	9040	750	8730	770	7070	920	6100	1030
100x50x5.0RHS	C450L0	10.3	7300	820	6850	860	5980	960	5440	1030	8610	710	8610	710	8020	760	7290	820
100x50x4.0RHS	C450L0	8.49	6750	760	6500	780	5680	870	5160	940	7960	660	7960	660	7610	690	6920	740
100x50x3.5RHS	C450L0	7.53	6420	720	6290	730	5490	820	4990	880	7570	630	7570	630	7360	640	6690	700
100x50x3.0RHS	C450L0	6.60	6100	680	6070	690	5310	760	4820	820	7180	600	7180	600	7110	600	6330	660
100x50x2.5RHS	C450L0	5.56	5640	630	5640	630	5040	690	4580	750	6650	550	6650	550	6650	550	5820	620
100x50x2.0RHS	C450L0	4.50	5120	570	5120	570	4720	610	4290	660	6030	500	6030	500	6030	500	5210	570
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4410	540	4010	580	5450	450	5450	450	4980	490	4300	550
75x50x5.0RHS	C450L0	8.35	5030	570	5030	570	4670	600	4240	650	5930	490	5930	490	5930	490	5690	510
75x50x4.0RHS	C450L0	6.92	4690	530	4690	530	4450	550	4050	590	5530	460	5530	460	5530	460	5420	470
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4180	490	3800	530	5030	420	5030	420	5030	420	5030	420
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3960	450	3620	480	4670	390	4670	390	4670	390	4660	390
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3390	430	4240	350	4240	350	4240	350	4180	360
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3180	370	3850	320	3850	320	3850	320	3500	350
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3110	360	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3400	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3090	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3260	390	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3090	360	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2920	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

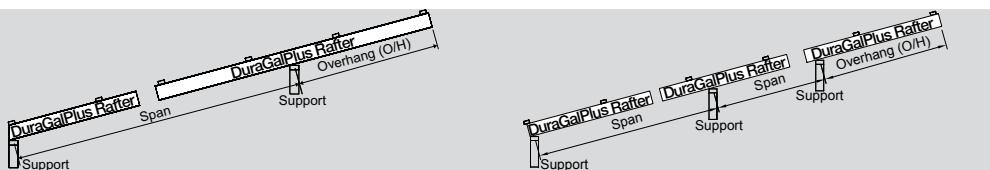
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	9230	1970	8800	2040	8000	2170	11680	1660	11500	1680	11190	1710	10720	1770
150x50x5.0RHS	C450L0	14.2	9370	1740	9210	1770	8430	1880	7660	2010	11670	1470	11480	1490	11130	1530	10260	1630
150x50x4.0RHS	C450L0	11.6	9330	1500	9100	1530	7950	1690	7230	1800	11630	1260	11400	1290	10660	1360	9640	1470
150x50x3.0RHS	C450L0	8.96	9250	1240	8450	1330	7380	1470	6710	1570	11530	1040	11260	1060	9870	1180	8500	1330
150x50x2.5RHS	C450L0	7.53	8810	1120	8010	1200	6990	1330	6350	1430	11100	920	10730	950	8860	1110	7580	1250
150x50x2.0RHS	C450L0	6.07	8240	980	7480	1060	6540	1170	5940	1260	10030	830	8720	940	6930	1120	5840	1270
125x75x6.0RHS	C450L0	16.7	8920	1710	8790	1730	8240	1810	7490	1930	11120	1450	10950	1460	10660	1490	10040	1560
125x75x5.0RHS	C450L0	14.2	8920	1520	8770	1540	7890	1660	7160	1780	11110	1280	10920	1300	10570	1330	9600	1440
125x75x4.0RHS	C450L0	11.6	8870	1310	8510	1350	7440	1490	6760	1590	11050	1100	10840	1110	9970	1190	9060	1290
125x75x3.0RHS	C450L0	8.96	8680	1090	7890	1170	6890	1290	6260	1390	10850	900	10570	920	9240	1030	8090	1150
125x75x2.5RHS	C450L0	7.53	8220	980	7470	1060	6530	1170	5930	1250	10010	830	10000	830	8080	990	6970	1110
125x75x2.0RHS	C450L0	6.07	7670	860	6980	930	6100	1030	5540	1110	9040	750	8200	820	6590	970	5610	1100
100x50x5.0RHS	C450L0	10.3	7300	820	6760	870	5900	970	5360	1040	8610	710	8610	710	7910	770	7190	830
100x50x4.0RHS	C450L0	8.49	6750	760	6420	790	5600	880	5090	940	7960	660	7960	660	7510	690	6830	750
100x50x3.5RHS	C450L0	7.53	6420	720	6200	740	5420	830	4920	890	7570	630	7570	630	7260	650	6470	720
100x50x3.0RHS	C450L0	6.60	6100	680	5990	690	5230	770	4760	830	7180	600	7180	600	7020	610	6090	690
100x50x2.5RHS	C450L0	5.56	5640	630	5640	630	4970	700	4520	750	6650	550	6650	550	6500	560	5610	640
100x50x2.0RHS	C450L0	4.50	5120	570	5120	570	4660	620	4230	670	6030	500	6030	500	5810	520	5010	580
100x50x1.6RHS	C450L0	3.64	4630	520	4630	520	4350	550	3960	590	5450	450	5450	450	4710	510	4000	580
75x50x5.0RHS	C450L0	8.35	5030	570	5030	570	4610	610	4190	650	5930	490	5930	490	5930	490	5610	520
75x50x4.0RHS	C450L0	6.92	4690	530	4690	530	4390	560	3990	600	5530	460	5530	460	5530	460	5350	470
75x50x3.0RHS	C450L0	5.42	4270	480	4270	480	4130	490	3750	530	5030	420	5030	420	5030	420	4870	430
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3930	450	3570	480	4670	390	4670	390	4670	390	4490	400
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3600	400	3350	430	4240	350	4240	350	4240	350	4030	370
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3260	370	3140	380	3850	320	3850	320	3850	320	3370	360
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	3160	350	3070	360	3720	310	3720	310	3720	310	3720	310
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2880	320	2880	320	3400	280	3400	280	3400	280	3380	280
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2620	300	3090	260	3090	260	3090	260	3060	260
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3380	380	3210	400	3990	330	3990	330	3990	330	3990	330
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	3130	350	3050	360	3690	310	3690	310	3690	310	3690	310
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2920	330	2910	330	3440	290	3440	290	3440	290	3440	290
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2670	300	2670	300	3140	260	3140	260	3140	260	3140	260
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2190	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	2020	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1840	150

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

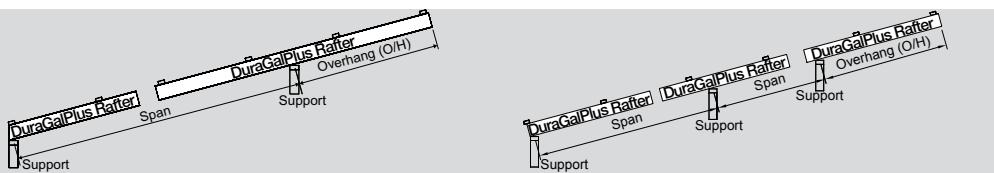
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter  
span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	8890	2020	7770	2210	7060	2350	11680	1660	11500	1680	10410	1810	9370	1950
150x50x5.0RHS	C450L0	14.2	9370	1740	8510	1870	7440	2040	6760	2170	11670	1470	11410	1500	9970	1670	8690	1840
150x50x4.0RHS	C450L0	11.6	8840	1570	8040	1680	7020	1840	6380	1960	11630	1260	10770	1350	9150	1530	7890	1700
150x50x3.0RHS	C450L0	8.96	8210	1360	7460	1460	6510	1610	5920	1710	11000	1080	9970	1170	8080	1380	6970	1530
150x50x2.5RHS	C450L0	7.53	7780	1230	7070	1320	6170	1450	5610	1550	10430	970	9140	1080	7410	1280	6400	1420
150x50x2.0RHS	C450L0	6.07	7270	1080	6610	1160	5770	1280	5240	1370	9010	910	7760	1030	6300	1210	5450	1330
125x75x6.0RHS	C450L0	16.7	8920	1710	8330	1790	7280	1960	6610	2090	11120	1450	10950	1460	9750	1600	8860	1720
125x75x5.0RHS	C450L0	14.2	8770	1540	7970	1650	6960	1810	6320	1930	11110	1280	10680	1320	9330	1470	8340	1600
125x75x4.0RHS	C450L0	11.6	8270	1380	7510	1480	6560	1630	5960	1730	11050	1100	10070	1180	8790	1320	7570	1470
125x75x3.0RHS	C450L0	8.96	7660	1200	6960	1290	6080	1410	5520	1510	10270	940	9330	1020	7680	1190	6630	1330
125x75x2.5RHS	C450L0	7.53	7260	1080	6590	1160	5760	1280	5230	1370	9490	870	8160	990	6620	1160	5720	1290
125x75x2.0RHS	C450L0	6.07	6780	950	6160	1020	5380	1130	4820	1220	7980	830	6870	940	5580	1100	4820	1220
100x50x5.0RHS	C450L0	10.3	6560	890	5960	960	5210	1060	4730	1140	8610	710	8000	760	6980	850	6140	940
100x50x4.0RHS	C450L0	8.49	6230	810	5660	870	4950	960	4490	1030	7960	660	7590	690	6510	780	5610	880
100x50x3.5RHS	C450L0	7.53	6030	760	5470	820	4780	910	4340	970	7570	630	7340	650	6150	750	5310	840
100x50x3.0RHS	C450L0	6.60	5820	710	5290	770	4620	850	4200	910	7180	600	7090	600	5790	710	5000	800
100x50x2.5RHS	C450L0	5.56	5530	640	5020	700	4390	770	3990	830	6650	550	6560	560	5330	660	4610	740
100x50x2.0RHS	C450L0	4.50	5120	570	4700	620	4110	680	3730	730	6030	500	5860	510	4770	610	4120	680
100x50x1.6RHS	C450L0	3.64	4630	520	4400	540	3840	600	3410	660	5450	450	4840	500	3940	590	3410	660
75x50x5.0RHS	C450L0	8.35	5030	570	4650	600	4070	670	3690	720	5930	490	5930	490	5450	530	4840	580
75x50x4.0RHS	C450L0	6.92	4690	530	4440	550	3880	610	3520	660	5530	460	5530	460	5160	490	4460	550
75x50x3.0RHS	C450L0	5.42	4270	480	4170	490	3640	540	3310	580	5030	420	5030	420	4630	450	4000	510
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3470	490	3150	530	4670	390	4670	390	4270	420	3690	470
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3250	440	2960	470	4240	350	4240	350	3830	380	3310	430
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3050	390	2770	420	3850	320	3850	320	3200	370	2770	420
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	2980	370	2710	400	3720	310	3720	310	3540	320	3060	360
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2810	330	2550	360	3400	280	3400	280	3210	300	2780	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2390	320	3090	260	3090	260	2910	270	2520	300
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3120	410	2840	440	3990	330	3990	330	3990	330	3520	370
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	2960	370	2690	400	3690	310	3690	310	3690	310	3200	350
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2830	340	2570	360	3440	290	3440	290	3430	290	2970	320
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2660	300	2420	320	3140	260	3140	260	3110	260	2690	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2180	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	1990	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1810	160

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

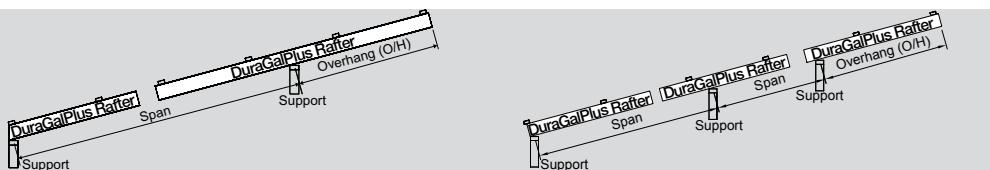
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	9370	1950	8890	2020	7770	2210	7060	2350	11680	1660	11500	1680	10410	1810	9370	1950
150x50x5.0RHS	C450L0	14.2	9370	1740	8510	1870	7440	2040	6760	2170	11670	1470	11410	1500	9970	1670	8690	1840
150x50x4.0RHS	C450L0	11.6	8840	1570	8040	1680	7020	1840	6380	1960	11630	1260	10770	1350	9150	1530	7890	1700
150x50x3.0RHS	C450L0	8.96	8210	1360	7460	1460	6510	1610	5920	1710	11000	1080	9970	1170	8080	1380	6970	1530
150x50x2.5RHS	C450L0	7.53	7780	1230	7070	1320	6170	1450	5610	1550	10430	970	8970	1100	7190	1310	6110	1460
150x50x2.0RHS	C450L0	6.07	7270	1080	6610	1160	5770	1280	5240	1370	8280	980	7030	1110	5520	1320	4610	1490
125x75x6.0RHS	C450L0	16.7	8920	1710	8330	1790	7280	1960	6610	2090	11120	1450	10950	1460	9750	1600	8860	1720
125x75x5.0RHS	C450L0	14.2	8770	1540	7970	1650	6960	1810	6320	1930	11110	1280	10680	1320	9330	1470	8340	1600
125x75x4.0RHS	C450L0	11.6	8270	1380	7510	1480	6560	1630	5960	1730	11050	1100	10070	1180	8790	1320	7570	1470
125x75x3.0RHS	C450L0	8.96	7660	1200	6960	1290	6080	1410	5520	1510	10270	940	9330	1020	7680	1190	6630	1330
125x75x2.5RHS	C450L0	7.53	7260	1080	6590	1160	5760	1280	5230	1370	9490	870	8160	990	6620	1160	5720	1290
125x75x2.0RHS	C450L0	6.07	6780	950	6160	1020	5380	1130	4820	1220	7800	850	6680	960	5320	1140	4500	1270
100x50x5.0RHS	C450L0	10.3	6560	890	5960	960	5210	1060	4730	1140	8610	710	8000	760	6980	850	6140	940
100x50x4.0RHS	C450L0	8.49	6230	810	5660	870	4950	960	4490	1030	7960	660	7590	690	6510	780	5610	880
100x50x3.5RHS	C450L0	7.53	6030	760	5470	820	4780	910	4340	970	7570	630	7340	650	6150	750	5310	840
100x50x3.0RHS	C450L0	6.60	5820	710	5290	770	4620	850	4200	910	7180	600	7090	600	5790	710	5000	800
100x50x2.5RHS	C450L0	5.56	5530	640	5020	700	4390	770	3990	830	6650	550	6560	560	5330	660	4610	740
100x50x2.0RHS	C450L0	4.50	5120	570	4700	620	4110	680	3730	730	6030	500	5860	510	4770	610	4120	680
100x50x1.6RHS	C450L0	3.64	4630	520	4400	540	3840	600	3410	660	5450	450	4770	510	3780	610	3190	690
75x50x5.0RHS	C450L0	8.35	5030	570	4650	600	4070	670	3690	720	5930	490	5930	490	5450	530	4840	580
75x50x4.0RHS	C450L0	6.92	4690	530	4440	550	3880	610	3520	660	5530	460	5530	460	5160	490	4460	550
75x50x3.0RHS	C450L0	5.42	4270	480	4170	490	3640	540	3310	580	5030	420	5030	420	4630	450	4000	510
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3470	490	3150	530	4670	390	4670	390	4270	420	3690	470
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3250	440	2960	470	4240	350	4240	350	3830	380	3310	430
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3050	390	2770	420	3850	320	3850	320	3200	370	2770	420
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	2980	370	2710	400	3720	310	3720	310	3540	320	3060	360
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2810	330	2550	360	3400	280	3400	280	3210	300	2780	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2390	320	3090	260	3090	260	2910	270	2520	300
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3120	410	2840	440	3990	330	3990	330	3990	330	3520	370
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	2960	370	2690	400	3690	310	3690	310	3690	310	3200	350
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2830	340	2570	360	3440	290	3440	290	3430	290	2970	320
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2660	300	2420	320	3140	260	3140	260	3110	260	2690	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2180	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	1990	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1810	160

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

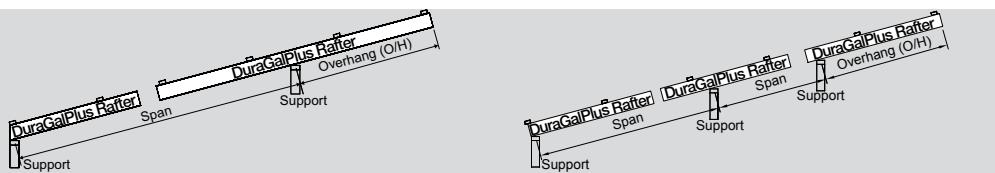
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	9370	1950	8890	2020	7770	2210	7060	2350	11680	1660	11500	1680	10410	1810	9370	1950
150x50x5.0RHS	C450L0	14.2	9370	1740	8510	1870	7440	2040	6760	2170	11670	1470	11410	1500	9970	1670	8690	1840
150x50x4.0RHS	C450L0	11.6	8840	1570	8040	1680	7020	1840	6380	1960	11630	1260	10770	1350	9150	1530	7890	1700
150x50x3.0RHS	C450L0	8.96	8210	1360	7460	1460	6510	1610	5920	1710	11000	1080	9970	1170	8080	1380	6970	1530
150x50x2.5RHS	C450L0	7.53	7780	1230	7070	1320	6170	1450	5610	1550	10430	970	8970	1100	7190	1310	6110	1460
150x50x2.0RHS	C450L0	6.07	7270	1080	6610	1160	5770	1280	5240	1370	8280	980	7030	1110	5520	1320	4610	1490
125x75x6.0RHS	C450L0	16.7	8920	1710	8330	1790	7280	1960	6610	2090	11120	1450	10950	1460	9750	1600	8860	1720
125x75x5.0RHS	C450L0	14.2	8770	1540	7970	1650	6960	1810	6320	1930	11110	1280	10680	1320	9330	1470	8340	1600
125x75x4.0RHS	C450L0	11.6	8270	1380	7510	1480	6560	1630	5960	1730	11050	1100	10070	1180	8790	1320	7570	1470
125x75x3.0RHS	C450L0	8.96	7660	1200	6960	1290	6080	1410	5520	1510	10270	940	9330	1020	7680	1190	6630	1330
125x75x2.5RHS	C450L0	7.53	7260	1080	6590	1160	5760	1280	5230	1370	9490	870	8160	990	6620	1160	5720	1290
125x75x2.0RHS	C450L0	6.07	6780	950	6160	1020	5380	1130	4820	1220	7800	850	6680	960	5320	1140	4500	1270
100x50x5.0RHS	C450L0	10.3	6560	890	5960	960	5210	1060	4730	1140	8610	710	8000	760	6980	850	6140	940
100x50x4.0RHS	C450L0	8.49	6230	810	5660	870	4950	960	4490	1030	7960	660	7590	690	6510	780	5610	880
100x50x3.5RHS	C450L0	7.53	6030	760	5470	820	4780	910	4340	970	7570	630	7340	650	6150	750	5310	840
100x50x3.0RHS	C450L0	6.60	5820	710	5290	770	4620	850	4200	910	7180	600	7090	600	5790	710	5000	800
100x50x2.5RHS	C450L0	5.56	5530	640	5020	700	4390	770	3990	830	6650	550	6560	560	5330	660	4610	740
100x50x2.0RHS	C450L0	4.50	5120	570	4700	620	4110	680	3730	730	6030	500	5860	510	4770	610	4120	680
100x50x1.6RHS	C450L0	3.64	4630	520	4400	540	3840	600	3410	660	5450	450	4770	510	3780	610	3190	690
75x50x5.0RHS	C450L0	8.35	5030	570	4650	600	4070	670	3690	720	5930	490	5930	490	5450	530	4840	580
75x50x4.0RHS	C450L0	6.92	4690	530	4440	550	3880	610	3520	660	5530	460	5530	460	5160	490	4460	550
75x50x3.0RHS	C450L0	5.42	4270	480	4170	490	3640	540	3310	580	5030	420	5030	420	4630	450	4000	510
75x50x2.5RHS	C450L0	4.58	3960	450	3960	450	3470	490	3150	530	4670	390	4670	390	4270	420	3690	470
75x50x2.0RHS	C450L0	3.72	3600	400	3600	400	3250	440	2960	470	4240	350	4240	350	3830	380	3310	430
75x50x1.6RHS	C450L0	3.01	3260	370	3260	370	3050	390	2770	420	3850	320	3850	320	3200	370	2770	420
75x25x2.5RHS	C450L0	3.60	3160	350	3160	350	2980	370	2710	400	3720	310	3720	310	3540	320	3060	360
75x25x2.0RHS	C450L0	2.93	2880	320	2880	320	2810	330	2550	360	3400	280	3400	280	3210	300	2780	330
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2620	300	2390	320	3090	260	3090	260	2910	270	2520	300
65x35x4.0RHS	C450L0	5.35	3380	380	3380	380	3120	410	2840	440	3990	330	3990	330	3990	330	3520	370
65x35x3.0RHS	C450L0	4.25	3130	350	3130	350	2960	370	2690	400	3690	310	3690	310	3690	310	3200	350
65x35x2.5RHS	C450L0	3.60	2920	330	2920	330	2830	340	2570	360	3440	290	3440	290	3430	290	2970	320
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2660	300	2420	320	3140	260	3140	260	3110	260	2690	300
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1970	220	1970	220	2330	190	2330	190	2330	190	2330	190
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1860	210	1860	210	2190	180	2190	180	2190	180	2180	180
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1710	190	2020	170	2020	170	2020	170	1990	170
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1570	180	1840	150	1840	150	1840	150	1810	160

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

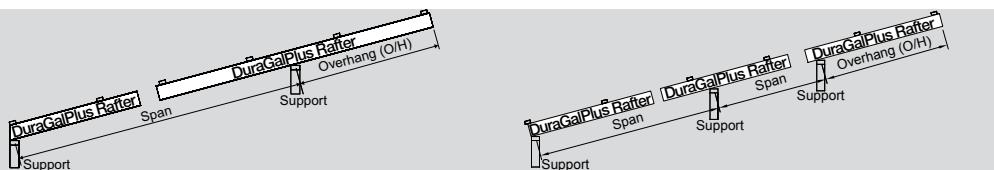
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	8580	2070	7790	2210	6810	2400	6180	2530	11500	1680	10450	1800	8810	2040	7590	2240
150x50x5.0RHS	C450L0	14.2	8210	1910	7460	2040	6520	2220	5920	2340	11010	1540	10000	1660	8170	1920	7050	2110
150x50x4.0RHS	C450L0	11.6	7750	1720	7040	1840	6150	2000	5590	2120	10390	1380	9150	1530	7420	1770	6410	1950
150x50x3.0RHS	C450L0	8.96	7190	1500	6540	1600	5710	1750	5190	1850	9370	1230	8080	1380	6560	1600	5670	1750
150x50x2.5RHS	C450L0	7.53	6820	1360	6190	1450	5410	1580	4920	1680	8530	1150	7290	1290	5790	1520	4880	1690
150x50x2.0RHS	C450L0	6.07	6370	1200	5790	1280	5060	1400	4430	1520	6650	1160	5600	1310	4340	1540	3590	1710
125x75x6.0RHS	C450L0	16.7	8040	1840	7300	1960	6380	2130	5790	2260	10770	1480	9790	1590	8470	1770	7300	1960
125x75x5.0RHS	C450L0	14.2	7690	1690	6980	1810	6100	1970	5540	2080	10300	1360	9360	1470	7850	1670	6770	1840
125x75x4.0RHS	C450L0	11.6	7250	1520	6580	1620	5750	1770	5230	1880	9720	1220	8780	1320	7120	1540	6150	1700
125x75x3.0RHS	C450L0	8.96	6710	1320	6100	1410	5330	1540	4840	1640	8920	1060	7680	1190	6240	1390	5390	1530
125x75x2.5RHS	C450L0	7.53	6360	1190	5780	1280	5050	1400	4590	1480	7680	1030	6620	1160	5380	1340	4650	1470
125x75x2.0RHS	C450L0	6.07	5950	1050	5400	1130	4540	1270	3930	1380	6340	1000	5390	1130	4250	1320	3570	1460
100x50x5.0RHS	C450L0	10.3	5750	990	5230	1060	4570	1160	4150	1240	7710	780	7010	850	5780	990	4990	1100
100x50x4.0RHS	C450L0	8.49	5460	900	4960	960	4330	1060	3940	1130	7320	710	6500	780	5280	920	4570	1020
100x50x3.5RHS	C450L0	7.53	5280	840	4800	900	4190	990	3810	1060	7080	670	6150	750	5000	880	4320	970
100x50x3.0RHS	C450L0	6.60	5100	790	4630	850	4050	930	3680	990	6710	630	5790	710	4710	840	4070	930
100x50x2.5RHS	C450L0	5.56	4840	720	4400	770	3850	850	3490	910	6170	590	5330	660	4340	780	3750	860
100x50x2.0RHS	C450L0	4.50	4540	630	4120	680	3600	750	3270	800	5520	540	4770	610	3880	710	3360	790
100x50x1.6RHS	C450L0	3.64	4240	560	3860	600	3210	690	2780	760	4530	530	3840	600	3020	720	2530	800
75x50x5.0RHS	C450L0	8.35	4490	620	4080	670	3560	740	3240	790	5930	490	5470	530	4560	610	3940	690
75x50x4.0RHS	C450L0	6.92	4280	570	3890	610	3400	670	3090	720	5530	460	5160	490	4200	580	3630	640
75x50x3.0RHS	C450L0	5.42	4020	500	3650	540	3190	600	2900	640	5030	420	4630	450	3770	530	3260	590
75x50x2.5RHS	C450L0	4.58	3830	460	3480	490	3040	550	2760	590	4670	390	4270	420	3480	490	3010	550
75x50x2.0RHS	C450L0	3.72	3590	410	3260	440	2850	490	2590	520	4240	350	3830	380	3120	450	2700	510
75x50x1.6RHS	C450L0	3.01	3260	370	3060	390	2610	440	2260	490	3710	330	3200	370	2610	440	2260	490
75x25x2.5RHS	C450L0	3.60	3160	350	2990	370	2610	410	2370	440	3720	310	3540	320	2880	380	2490	430
75x25x2.0RHS	C450L0	2.93	2880	320	2810	330	2460	370	2230	400	3400	280	3210	300	2620	350	2270	390
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2310	330	2050	360	3090	260	2910	270	2370	320	2050	360
65x35x4.0RHS	C450L0	5.35	3380	380	3130	410	2740	450	2480	480	3990	330	3990	330	3320	390	2870	430
65x35x3.0RHS	C450L0	4.25	3130	350	2970	370	2600	410	2360	440	3690	310	3690	310	3020	360	2610	410
65x35x2.5RHS	C450L0	3.60	2920	330	2840	340	2480	370	2250	400	3440	290	3430	290	2800	340	2420	380
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2330	330	2120	360	3140	260	3110	260	2540	310	2200	350
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2200	200	1900	230
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1830	210	1670	230	2190	180	2190	180	2050	190	1780	220
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1580	200	2020	170	2020	170	1870	180	1620	200
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1470	190	1840	150	1840	150	1700	160	1470	190

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

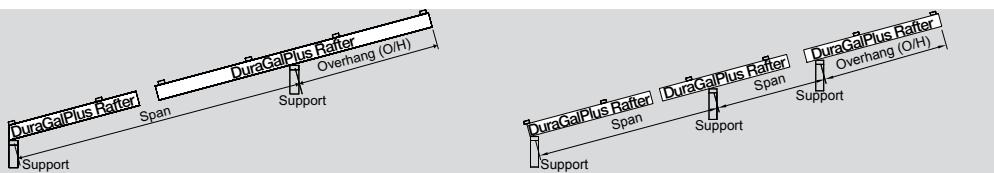
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	450	600	900	1200				
Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span	O/H	Span				
150x50x6.0RHS	C450L0	16.7	8580	2070	7790	2210	6810	2400	6180	2530	11500	1680	10450	1800	8810	2040	7590	2240
150x50x5.0RHS	C450L0	14.2	8210	1910	7460	2040	6520	2220	5920	2340	11010	1540	10000	1660	8170	1920	7050	2110
150x50x4.0RHS	C450L0	11.6	7750	1720	7040	1840	6150	2000	5590	2120	10390	1380	9150	1530	7420	1770	6410	1950
150x50x3.0RHS	C450L0	8.96	7190	1500	6540	1600	5710	1750	5190	1850	9370	1230	8080	1380	6560	1600	5670	1750
150x50x2.5RHS	C450L0	7.53	6820	1360	6190	1450	5410	1580	4920	1680	8530	1150	7290	1290	5790	1520	4880	1690
150x50x2.0RHS	C450L0	6.07	6370	1200	5790	1280	5060	1400	4430	1520	6650	1160	5600	1310	4340	1540	3590	1710
125x75x6.0RHS	C450L0	16.7	8040	1840	7300	1960	6380	2130	5790	2260	10770	1480	9790	1590	8470	1770	7300	1960
125x75x5.0RHS	C450L0	14.2	7690	1690	6980	1810	6100	1970	5540	2080	10300	1360	9360	1470	7850	1670	6770	1840
125x75x4.0RHS	C450L0	11.6	7250	1520	6580	1620	5750	1770	5230	1880	9720	1220	8780	1320	7120	1540	6150	1700
125x75x3.0RHS	C450L0	8.96	6710	1320	6100	1410	5330	1540	4840	1640	8920	1060	7680	1190	6240	1390	5390	1530
125x75x2.5RHS	C450L0	7.53	6360	1190	5780	1280	5050	1400	4590	1480	7680	1030	6620	1160	5380	1340	4650	1470
125x75x2.0RHS	C450L0	6.07	5950	1050	5400	1130	4540	1270	3930	1380	6340	1000	5390	1130	4250	1320	3570	1460
100x50x5.0RHS	C450L0	10.3	5750	990	5230	1060	4570	1160	4150	1240	7710	780	7010	850	5780	990	4990	1100
100x50x4.0RHS	C450L0	8.49	5460	900	4960	960	4330	1060	3940	1130	7320	710	6500	780	5280	920	4570	1020
100x50x3.5RHS	C450L0	7.53	5280	840	4800	900	4190	990	3810	1060	7080	670	6150	750	5000	880	4320	970
100x50x3.0RHS	C450L0	6.60	5100	790	4630	850	4050	930	3680	990	6710	630	5790	710	4710	840	4070	930
100x50x2.5RHS	C450L0	5.56	4840	720	4400	770	3850	850	3490	910	6170	590	5330	660	4340	780	3750	860
100x50x2.0RHS	C450L0	4.50	4540	630	4120	680	3600	750	3270	800	5520	540	4770	610	3880	710	3360	790
100x50x1.6RHS	C450L0	3.64	4240	560	3860	600	3210	690	2780	760	4530	530	3840	600	3020	720	2530	800
75x50x5.0RHS	C450L0	8.35	4490	620	4080	670	3560	740	3240	790	5930	490	5470	530	4560	610	3940	690
75x50x4.0RHS	C450L0	6.92	4280	570	3890	610	3400	670	3090	720	5530	460	5160	490	4200	580	3630	640
75x50x3.0RHS	C450L0	5.42	4020	500	3650	540	3190	600	2900	640	5030	420	4630	450	3770	530	3260	590
75x50x2.5RHS	C450L0	4.58	3830	460	3480	490	3040	550	2760	590	4670	390	4270	420	3480	490	3010	550
75x50x2.0RHS	C450L0	3.72	3590	410	3260	440	2850	490	2590	520	4240	350	3830	380	3120	450	2700	510
75x50x1.6RHS	C450L0	3.01	3260	370	3060	390	2610	440	2260	490	3710	330	3200	370	2610	440	2260	490
75x25x2.5RHS	C450L0	3.60	3160	350	2990	370	2610	410	2370	440	3720	310	3540	320	2880	380	2490	430
75x25x2.0RHS	C450L0	2.93	2880	320	2810	330	2460	370	2230	400	3400	280	3210	300	2620	350	2270	390
75x25x1.6RHS	C450L0	2.38	2620	300	2620	300	2310	330	2050	360	3090	260	2910	270	2370	320	2050	360
65x35x4.0RHS	C450L0	5.35	3380	380	3130	410	2740	450	2480	480	3990	330	3990	330	3320	390	2870	430
65x35x3.0RHS	C450L0	4.25	3130	350	2970	370	2600	410	2360	440	3690	310	3690	310	3020	360	2610	410
65x35x2.5RHS	C450L0	3.60	2920	330	2840	340	2480	370	2250	400	3440	290	3430	290	2800	340	2420	380
65x35x2.0RHS	C450L0	2.93	2670	300	2670	300	2330	330	2120	360	3140	260	3110	260	2540	310	2200	350
50x25x3.0RHS	C450L0	3.07	1970	220	1970	220	1910	230	1740	250	2330	190	2330	190	2200	200	1900	230
50x25x2.5RHS	C450L0	2.62	1860	210	1860	210	1830	210	1670	230	2190	180	2190	180	2050	190	1780	220
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1710	190	1580	200	2020	170	2020	170	1870	180	1620	200
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1570	180	1470	190	1840	150	1840	150	1700	160	1470	190

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

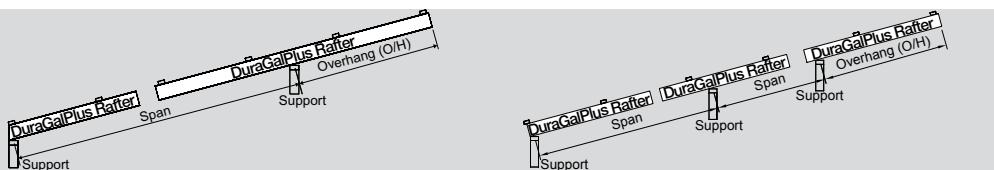
<sup>2</sup> Rafter spans are measured along the slope of the rafter.

Maximum rafter  
span\*<sup>2</sup> (mm)

DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7570	2250	6880	2380	6010	2570	5460	2700	10150	1840	8870	2030	7200	2320	6210	2530
150x50x5.0RHS	C450L0	14.2	7250	2080	6590	2200	5760	2380	5230	2510	9560	1720	8230	1910	6680	2190	5770	2380
150x50x4.0RHS	C450L0	11.6	6850	1870	6220	1990	5430	2150	4940	2260	8670	1590	7470	1770	6080	2010	5250	2190
150x50x3.0RHS	C450L0	8.96	6350	1630	5770	1740	5040	1880	4580	1980	7650	1430	6610	1590	5370	1810	4650	1970
150x50x2.5RHS	C450L0	7.53	6020	1480	5470	1570	4780	1710	4270	1820	6940	1340	5890	1500	4630	1740	3880	1830
150x50x2.0RHS	C450L0	6.07	5630	1310	5110	1390	4210	1570	3640	1570	5300	1360	4420	1520	3380	1760	2770	1570
125x75x6.0RHS	C450L0	16.7	7100	2000	6450	2120	5630	2290	5120	2410	9510	1630	8530	1760	6920	2030	5970	2220
125x75x5.0RHS	C450L0	14.2	6790	1840	6170	1960	5390	2120	4890	2230	9100	1500	7900	1660	6420	1910	5540	2080
125x75x4.0RHS	C450L0	11.6	6400	1650	5810	1760	5080	1910	4620	2010	8320	1370	7170	1530	5830	1760	5040	1920
125x75x3.0RHS	C450L0	8.96	5930	1440	5390	1530	4710	1660	4280	1760	7280	1240	6280	1380	5110	1580	4420	1720
125x75x2.5RHS	C450L0	7.53	5620	1300	5100	1390	4410	1520	3820	1640	6280	1200	5420	1330	4410	1520	3760	1640
125x75x2.0RHS	C450L0	6.07	5250	1150	4570	1260	3730	1430	3220	1390	5120	1170	4330	1310	3380	1510	2810	1390
100x50x5.0RHS	C450L0	10.3	5080	1080	4620	1150	4030	1260	3660	1330	6740	880	5820	980	4730	1140	4090	1250
100x50x4.0RHS	C450L0	8.49	4820	980	4380	1050	3830	1150	3480	1210	6160	820	5320	910	4330	1060	3740	1160
100x50x3.5RHS	C450L0	7.53	4660	920	4240	990	3700	1080	3360	1140	5830	780	5030	870	4100	1010	3540	1110
100x50x3.0RHS	C450L0	6.60	4500	870	4090	930	3580	1010	3250	1070	5490	750	4740	830	3860	960	3340	1060
100x50x2.5RHS	C450L0	5.56	4280	790	3890	840	3400	920	3080	980	5060	690	4370	770	3560	890	3080	980
100x50x2.0RHS	C450L0	4.50	4010	700	3640	750	3180	820	2760	900	4520	630	3910	710	3190	820	2710	910
100x50x1.6RHS	C450L0	3.64	3740	610	3230	680	2640	780	2280	850	3640	630	3070	710	2390	830	1990	920
75x50x5.0RHS	C450L0	8.35	3960	680	3600	730	3150	800	2860	850	5310	540	4590	610	3740	710	3230	790
75x50x4.0RHS	C450L0	6.92	3780	620	3440	670	3000	740	2730	780	4890	510	4230	570	3440	670	2980	740
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4390	470	3790	530	3090	610	2670	680
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4050	440	3500	490	2850	570	2470	630
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2220	580	3630	400	3140	450	2560	530	2220	580
75x50x1.6RHS	C450L0	3.01	2970	400	2630	430	2140	500	1860	550	3040	390	2630	430	2140	500	1860	550
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2050	490	3360	340	2900	380	2370	440	2050	490
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2150	410	1860	450	3050	310	2640	350	2150	410	1860	450
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	1950	370	1690	410	2760	280	2390	320	1950	370	1690	410
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3870	340	3340	380	2720	450	2360	500
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3510	320	3040	360	2480	420	2140	470
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3250	300	2810	340	2290	400	1990	440
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1800	400	2950	280	2550	310	2080	360	1800	400
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2220	200	1810	240	1560	270
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1460	250	2190	180	2070	190	1690	230	1460	250
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1330	230	2020	170	1890	180	1540	210	1330	230
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1400	190	1210	210	1840	150	1720	160	1400	190	1210	210

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

**Maximum rafter span\*<sup>2</sup> (mm)**


DuraGalPlus section	Grade	Mass kg/m	Rafter spacing* (mm) for															
			Single span				Continuous span											
			450	600	900	1200	450	600	900	1200	Span O/H	Span O/H	Span O/H	Span O/H				
150x50x6.0RHS	C450L0	16.7	7570	2250	6880	2380	6010	2570	5460	2700	10150	1840	8870	2030	7200	2320	6210	2530
150x50x5.0RHS	C450L0	14.2	7250	2080	6590	2200	5760	2380	5230	2510	9560	1720	8230	1910	6680	2190	5770	2380
150x50x4.0RHS	C450L0	11.6	6850	1870	6220	1990	5430	2150	4940	2260	8670	1590	7470	1770	6080	2010	5250	2190
150x50x3.0RHS	C450L0	8.96	6350	1630	5770	1740	5040	1880	4580	1980	7650	1430	6610	1590	5370	1810	4650	1970
150x50x2.5RHS	C450L0	7.53	6020	1480	5470	1570	4780	1710	4270	1820	6940	1340	5890	1500	4630	1740	3880	1830
150x50x2.0RHS	C450L0	6.07	5630	1310	5110	1390	4210	1570	3640	1570	5300	1360	4420	1520	3380	1760	2770	1570
125x75x6.0RHS	C450L0	16.7	7100	2000	6450	2120	5630	2290	5120	2410	9510	1630	8530	1760	6920	2030	5970	2220
125x75x5.0RHS	C450L0	14.2	6790	1840	6170	1960	5390	2120	4890	2230	9100	1500	7900	1660	6420	1910	5540	2080
125x75x4.0RHS	C450L0	11.6	6400	1650	5810	1760	5080	1910	4620	2010	8320	1370	7170	1530	5830	1760	5040	1920
125x75x3.0RHS	C450L0	8.96	5930	1440	5390	1530	4710	1660	4280	1760	7280	1240	6280	1380	5110	1580	4420	1720
125x75x2.5RHS	C450L0	7.53	5620	1300	5100	1390	4410	1520	3820	1640	6280	1200	5420	1330	4410	1520	3760	1640
125x75x2.0RHS	C450L0	6.07	5250	1150	4570	1260	3730	1430	3220	1390	5120	1170	4330	1310	3380	1510	2810	1390
100x50x5.0RHS	C450L0	10.3	5080	1080	4620	1150	4030	1260	3660	1330	6740	880	5820	980	4730	1140	4090	1250
100x50x4.0RHS	C450L0	8.49	4820	980	4380	1050	3830	1150	3480	1210	6160	820	5320	910	4330	1060	3740	1160
100x50x3.5RHS	C450L0	7.53	4660	920	4240	990	3700	1080	3360	1140	5830	780	5030	870	4100	1010	3540	1110
100x50x3.0RHS	C450L0	6.60	4500	870	4090	930	3580	1010	3250	1070	5490	750	4740	830	3860	960	3340	1060
100x50x2.5RHS	C450L0	5.56	4280	790	3890	840	3400	920	3080	980	5060	690	4370	770	3560	890	3080	980
100x50x2.0RHS	C450L0	4.50	4010	700	3640	750	3180	820	2760	900	4520	630	3910	710	3190	820	2710	910
100x50x1.6RHS	C450L0	3.64	3740	610	3230	680	2640	780	2280	850	3640	630	3070	710	2390	830	1990	920
75x50x5.0RHS	C450L0	8.35	3960	680	3600	730	3150	800	2860	850	5310	540	4590	610	3740	710	3230	790
75x50x4.0RHS	C450L0	6.92	3780	620	3440	670	3000	740	2730	780	4890	510	4230	570	3440	670	2980	740
75x50x3.0RHS	C450L0	5.42	3550	550	3230	600	2820	660	2560	700	4390	470	3790	530	3090	610	2670	680
75x50x2.5RHS	C450L0	4.58	3380	500	3070	540	2680	600	2440	640	4050	440	3500	490	2850	570	2470	630
75x50x2.0RHS	C450L0	3.72	3170	450	2880	480	2520	530	2220	580	3630	400	3140	450	2560	530	2220	580
75x50x1.6RHS	C450L0	3.01	2970	400	2630	430	2140	500	1860	550	3040	390	2630	430	2140	500	1860	550
75x25x2.5RHS	C450L0	3.60	2900	380	2640	410	2300	450	2050	490	3360	340	2900	380	2370	440	2050	490
75x25x2.0RHS	C450L0	2.93	2740	340	2490	360	2150	410	1860	450	3050	310	2640	350	2150	410	1860	450
75x25x1.6RHS	C450L0	2.38	2570	300	2330	320	1950	370	1690	410	2760	280	2390	320	1950	370	1690	410
65x35x4.0RHS	C450L0	5.35	3040	410	2760	450	2420	490	2190	530	3870	340	3340	380	2720	450	2360	500
65x35x3.0RHS	C450L0	4.25	2890	380	2630	400	2290	450	2080	480	3510	320	3040	360	2480	420	2140	470
65x35x2.5RHS	C450L0	3.60	2760	340	2510	370	2190	410	1990	440	3250	300	2810	340	2290	400	1990	440
65x35x2.0RHS	C450L0	2.93	2600	310	2360	330	2060	370	1800	400	2950	280	2550	310	2080	360	1800	400
50x25x3.0RHS	C450L0	3.07	1970	220	1930	230	1690	250	1530	270	2330	190	2220	200	1810	240	1560	270
50x25x2.5RHS	C450L0	2.62	1860	210	1850	210	1620	230	1460	250	2190	180	2070	190	1690	230	1460	250
50x25x2.0RHS	C450L0	2.15	1710	190	1710	190	1530	210	1330	230	2020	170	1890	180	1540	210	1330	230
50x25x1.6RHS	C450L0	1.75	1570	180	1570	180	1400	190	1210	210	1840	150	1720	160	1400	190	1210	210

\* These tables are calculated using an effective spacing of 1.25 x rafter spacing.

<sup>2</sup> Rafter spans are measured along the slope of the rafter.

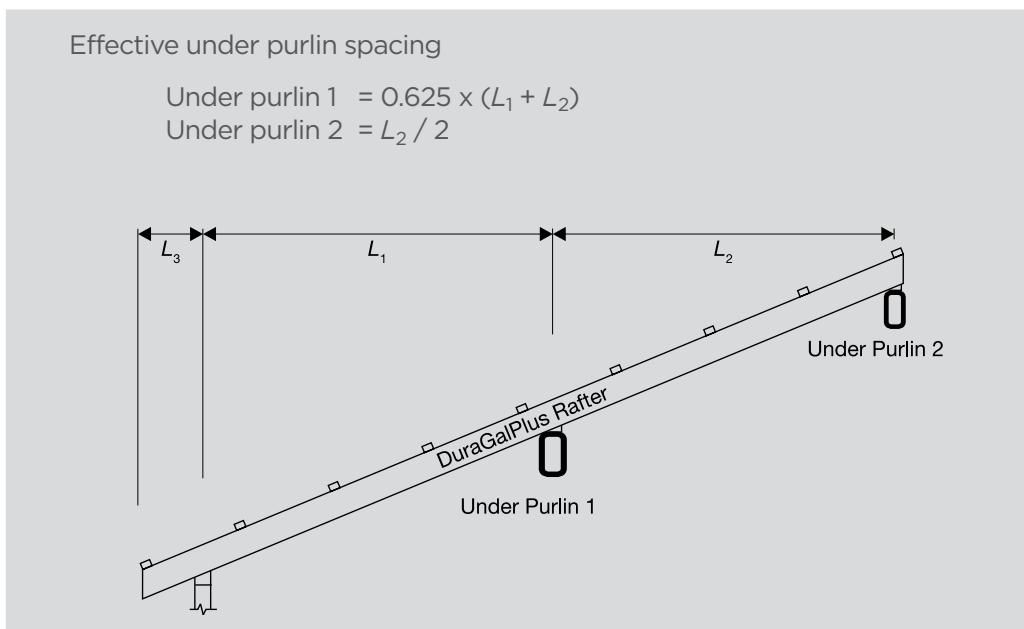
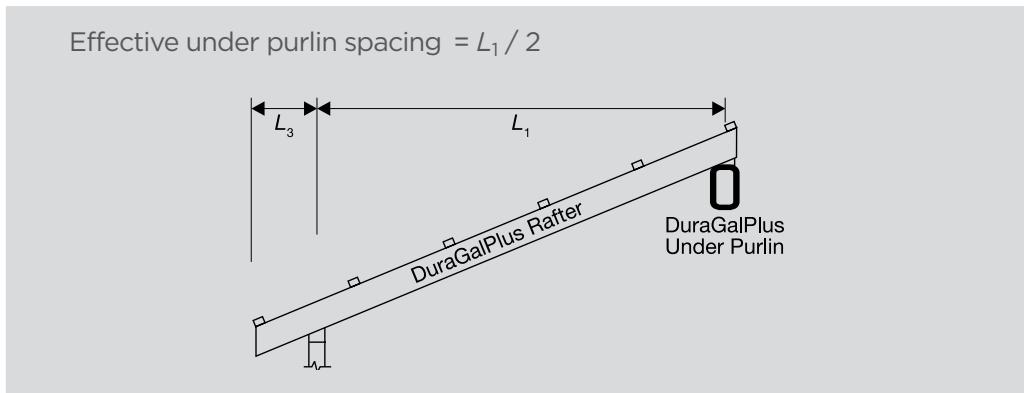
## Under purlins

Applied loads and deflection limits used to generate the tables on pages 62 to 73.

Roof	Load (kPa)		Deflection (mm) Dead load (G)
	Dead load (G)	Live load (Q)	
Masonry tiles and ceiling <sup>*1</sup>	0.9		
Masonry tiles only <sup>*2</sup>	0.7	Larger of 0.25 and 1.8 / area + 0.12	Span / 300 to 20mm for no ceiling 12mm for ceiling
Steel sheeting and ceiling <sup>*1</sup>	0.4		
Steel sheeting only <sup>*2</sup>	0.2		

\*1 Ceiling in line with the rafter/under purlin and supported by the rafter under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

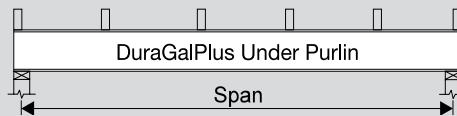
\*2 Ceiling supported by other members. The only wind loads used to generate the tables are those resulting from external wind pressures.  $C_{p,e} = -0.9$  and  $+0.4$ .



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## Maximum under purlin span (mm)

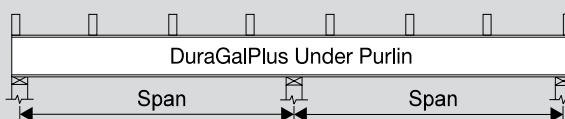
## Single span



DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	4980	4540	4250	4030	3860	3720	3600
150x50x5.0RHS	C450L0	14.2	4840	4410	4120	3910	3740	3600	3450
150x50x4.0RHS	C450L0	11.6	4660	4240	3960	3750	3580	3410	3260
150x50x3.0RHS	C450L0	8.96	4420	4020	3750	3530	3330	3170	3030
150x50x2.5RHS	C450L0	7.53	4260	3860	3600	3350	3160	3000	2880
150x50x2.0RHS	C450L0	6.07	4060	3680	3380	3140	2960	2810	2690
125x75x6.0RHS	C450L0	16.7	4740	4330	4050	3840	3670	3520	3370
125x75x5.0RHS	C450L0	14.2	4610	4200	3920	3720	3540	3370	3230
125x75x4.0RHS	C450L0	11.6	4430	4030	3760	3550	3350	3180	3050
125x75x3.0RHS	C450L0	8.96	4200	3820	3550	3300	3110	2960	2830
125x75x2.5RHS	C450L0	7.53	4040	3670	3370	3130	2950	2800	2680
125x75x2.0RHS	C450L0	6.07	3850	3460	3150	2930	2760	2620	2510
100x50x5.0RHS	C450L0	10.3	3730	3330	3030	2820	2660	2530	2420
100x50x4.0RHS	C450L0	8.49	3600	3170	2890	2680	2530	2410	2300
100x50x3.5RHS	C450L0	7.53	3490	3070	2790	2600	2450	2330	2230
100x50x3.0RHS	C450L0	6.60	3380	2970	2700	2510	2370	2250	2150
100x50x2.5RHS	C450L0	5.56	3220	2820	2570	2390	2250	2140	2050
100x50x2.0RHS	C450L0	4.50	3020	2650	2410	2240	2110	2000	1920
100x50x1.6RHS	C450L0	3.64	2830	2480	2260	2100	1970	1880	1790
75x50x5.0RHS	C450L0	8.35	2960	2600	2370	2210	2080	1980	1890
75x50x4.0RHS	C450L0	6.92	2830	2490	2270	2110	1990	1890	1810
75x50x3.0RHS	C450L0	5.42	2670	2340	2130	1980	1870	1770	1700
75x50x2.5RHS	C450L0	4.58	2550	2230	2030	1890	1780	1690	1620
75x50x2.0RHS	C450L0	3.72	2390	2100	1910	1770	1670	1590	1520
75x50x1.6RHS	C450L0	3.01	2250	1970	1790	1660	1560	1490	1420

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

**Maximum under purlin span (mm)****Continuous span**

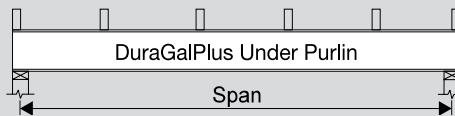
DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	6210	5660	5290	5020	4800	4630	4480
150x50x5.0RHS	C450L0	14.2	6030	5490	5130	4870	4660	4490	4340
150x50x4.0RHS	C450L0	11.6	5800	5280	4930	4670	4470	4300	4070
150x50x3.0RHS	C450L0	8.96	5510	5000	4670	4220	3790	3450	3180
150x50x2.5RHS	C450L0	7.53	5310	4770	4000	3470	3090	2790	2550
150x50x2.0RHS	C450L0	6.07	4560	3500	2870	2450	2140	1910	1730
125x75x6.0RHS	C450L0	16.7	5910	5390	5040	4780	4580	4410	4270
125x75x5.0RHS	C450L0	14.2	5740	5230	4880	4630	4430	4270	4130
125x75x4.0RHS	C450L0	11.6	5520	5020	4690	4440	4250	4090	3890
125x75x3.0RHS	C450L0	8.96	5230	4750	4430	4200	3790	3470	3210
125x75x2.5RHS	C450L0	7.53	5040	4570	3870	3390	3040	2770	2550
125x75x2.0RHS	C450L0	6.07	4460	3480	2900	2510	2220	2000	1820
100x50x5.0RHS	C450L0	10.3	4650	4230	3940	3740	3570	3390	3250
100x50x4.0RHS	C450L0	8.49	4490	4070	3800	3600	3390	3220	3090
100x50x3.5RHS	C450L0	7.53	4380	3980	3710	3480	3280	3120	2990
100x50x3.0RHS	C450L0	6.60	4280	3880	3620	3370	3070	2830	2630
100x50x2.5RHS	C450L0	5.56	4120	3740	3380	2990	2700	2470	2290
100x50x2.0RHS	C450L0	4.50	3930	3300	2790	2440	2190	1990	1830
100x50x1.6RHS	C450L0	3.64	3160	2460	2050	1770	1570	1410	1280
75x50x5.0RHS	C450L0	8.35	3870	3490	3180	2960	2790	2650	2540
75x50x4.0RHS	C450L0	6.92	3750	3340	3040	2830	2660	2530	2420
75x50x3.0RHS	C450L0	5.42	3580	3140	2860	2660	2500	2380	2280
75x50x2.5RHS	C450L0	4.58	3410	2990	2720	2530	2380	2270	2160
75x50x2.0RHS	C450L0	3.72	3210	2810	2460	2170	1960	1800	1670
75x50x1.6RHS	C450L0	3.01	2860	2280	1930	1690	1520	1380	1270

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

## Maximum under purlin span (mm)

Single span

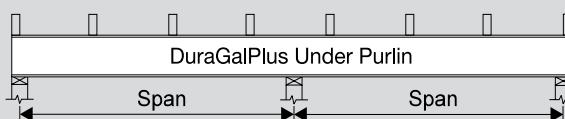


DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	5980	5300	4850	4530	4280	4070	3900
150x50x5.0RHS	C450L0	14.2	5760	5100	4670	4350	4100	3910	3740
150x50x4.0RHS	C450L0	11.6	5480	4840	4420	4120	3880	3700	3540
150x50x3.0RHS	C450L0	8.96	5120	4510	4120	3830	3610	3440	3290
150x50x2.5RHS	C450L0	7.53	4870	4290	3910	3640	3430	3260	3120
150x50x2.0RHS	C450L0	6.07	4580	4020	3660	3410	3210	3050	2920
125x75x6.0RHS	C450L0	16.7	5600	4970	4550	4240	4010	3810	3650
125x75x5.0RHS	C450L0	14.2	5390	4770	4370	4070	3840	3660	3500
125x75x4.0RHS	C450L0	11.6	5120	4520	4130	3850	3630	3460	3310
125x75x3.0RHS	C450L0	8.96	4780	4210	3840	3580	3370	3210	3070
125x75x2.5RHS	C450L0	7.53	4550	4000	3650	3400	3200	3040	2910
125x75x2.0RHS	C450L0	6.07	4270	3750	3420	3180	3000	2850	2730
100x50x5.0RHS	C450L0	10.3	4080	3600	3290	3060	2890	2750	2630
100x50x4.0RHS	C450L0	8.49	3890	3430	3130	2910	2750	2610	2500
100x50x3.5RHS	C450L0	7.53	3780	3320	3030	2820	2660	2530	2420
100x50x3.0RHS	C450L0	6.60	3660	3220	2930	2730	2570	2440	2340
100x50x2.5RHS	C450L0	5.56	3480	3060	2790	2590	2440	2320	2220
100x50x2.0RHS	C450L0	4.50	3270	2870	2620	2430	2290	2180	2080
100x50x1.6RHS	C450L0	3.64	3070	2690	2450	2280	2140	2040	1950
75x50x5.0RHS	C450L0	8.35	3200	2820	2570	2390	2260	2150	2060
75x50x4.0RHS	C450L0	6.92	3070	2700	2460	2290	2160	2050	1960
75x50x3.0RHS	C450L0	5.42	2890	2540	2310	2150	2030	1930	1840
75x50x2.5RHS	C450L0	4.58	2760	2420	2210	2050	1930	1840	1760
75x50x2.0RHS	C450L0	3.72	2600	2280	2070	1930	1810	1720	1650
75x50x1.6RHS	C450L0	3.01	2440	2140	1940	1810	1700	1620	1550

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

**Maximum under purlin span (mm)**

Continuous span

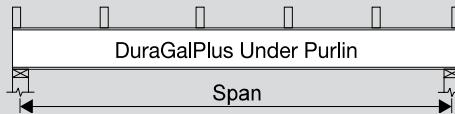


DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7450	6810	6380	6050	5730	5460	5230
150x50x5.0RHS	C450L0	14.2	7250	6620	6190	5830	5500	5240	5020
150x50x4.0RHS	C450L0	11.6	6980	6360	5930	5520	5170	4760	4430
150x50x3.0RHS	C450L0	8.96	6640	6040	5240	4610	4150	3790	3500
150x50x2.5RHS	C450L0	7.53	6400	5230	4400	3830	3410	3090	2830
150x50x2.0RHS	C450L0	6.07	5030	3880	3190	2730	2400	2140	1940
125x75x6.0RHS	C450L0	16.7	7100	6490	6070	5690	5370	5110	4900
125x75x5.0RHS	C450L0	14.2	6900	6300	5850	5460	5150	4900	4690
125x75x4.0RHS	C450L0	11.6	6640	6050	5540	5160	4870	4550	4230
125x75x3.0RHS	C450L0	8.96	6300	5650	5150	4580	4140	3790	3510
125x75x2.5RHS	C450L0	7.53	6070	4990	4240	3720	3340	3040	2800
125x75x2.0RHS	C450L0	6.07	4880	3830	3200	2780	2460	2220	2030
100x50x5.0RHS	C450L0	10.3	5470	4830	4410	4100	3870	3680	3530
100x50x4.0RHS	C450L0	8.49	5220	4600	4190	3900	3680	3500	3350
100x50x3.5RHS	C450L0	7.53	5060	4450	4060	3780	3560	3390	3240
100x50x3.0RHS	C450L0	6.60	4900	4310	3930	3650	3340	3070	2860
100x50x2.5RHS	C450L0	5.56	4670	4100	3680	3260	2940	2700	2500
100x50x2.0RHS	C450L0	4.50	4390	3610	3060	2680	2400	2190	2010
100x50x1.6RHS	C450L0	3.64	3470	2710	2260	1960	1740	1570	1430
75x50x5.0RHS	C450L0	8.35	4290	3780	3450	3210	3030	2880	2760
75x50x4.0RHS	C450L0	6.92	4110	3620	3300	3070	2890	2750	2630
75x50x3.0RHS	C450L0	5.42	3880	3410	3100	2890	2720	2580	2470
75x50x2.5RHS	C450L0	4.58	3700	3250	2960	2750	2590	2460	2330
75x50x2.0RHS	C450L0	3.72	3480	3050	2680	2370	2140	1960	1820
75x50x1.6RHS	C450L0	3.01	3110	2490	2110	1850	1670	1520	1400

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

## Maximum under purlin span (mm)

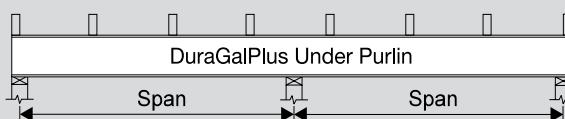
## Single span



DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	5910	5440	5110	4870	4670	4500	4370
150x50x5.0RHS	C450L0	14.2	5770	5300	4970	4730	4530	4370	4240
150x50x4.0RHS	C450L0	11.6	5570	5100	4780	4540	4360	4200	4070
150x50x3.0RHS	C450L0	8.96	5320	4860	4550	4310	4130	3980	3860
150x50x2.5RHS	C450L0	7.53	5130	4680	4380	4150	3980	3830	3710
150x50x2.0RHS	C450L0	6.07	4910	4470	4170	3960	3790	3650	3510
125x75x6.0RHS	C450L0	16.7	5630	5180	4870	4630	4450	4290	4160
125x75x5.0RHS	C450L0	14.2	5490	5040	4730	4500	4310	4160	4030
125x75x4.0RHS	C450L0	11.6	5300	4850	4550	4320	4140	3990	3870
125x75x3.0RHS	C450L0	8.96	5050	4610	4320	4100	3920	3780	3660
125x75x2.5RHS	C450L0	7.53	4880	4450	4160	3940	3780	3640	3500
125x75x2.0RHS	C450L0	6.07	4660	4240	3960	3760	3590	3420	3270
100x50x5.0RHS	C450L0	10.3	4480	4100	3840	3640	3450	3290	3150
100x50x4.0RHS	C450L0	8.49	4330	3960	3700	3480	3290	3130	3000
100x50x3.5RHS	C450L0	7.53	4240	3870	3620	3370	3180	3030	2900
100x50x3.0RHS	C450L0	6.60	4140	3780	3510	3270	3080	2930	2810
100x50x2.5RHS	C450L0	5.56	4000	3640	3340	3110	2930	2790	2670
100x50x2.0RHS	C450L0	4.50	3830	3440	3140	2920	2750	2620	2500
100x50x1.6RHS	C450L0	3.64	3650	3220	2940	2730	2580	2450	2340
75x50x5.0RHS	C450L0	8.35	3740	3360	3070	2860	2700	2570	2460
75x50x4.0RHS	C450L0	6.92	3630	3220	2940	2740	2580	2460	2360
75x50x3.0RHS	C450L0	5.42	3450	3040	2770	2580	2430	2310	2220
75x50x2.5RHS	C450L0	4.58	3290	2900	2640	2460	2320	2210	2110
75x50x2.0RHS	C450L0	3.72	3100	2730	2490	2310	2180	2070	1980
75x50x1.6RHS	C450L0	3.01	2920	2560	2330	2170	2040	1940	1860

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

**Maximum under purlin span (mm)****Continuous span**

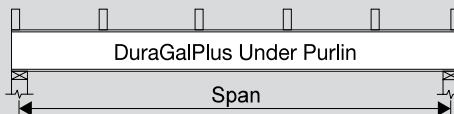
DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7360	6780	6370	6060	5820	5610	5440
150x50x5.0RHS	C450L0	14.2	7190	6600	6190	5890	5650	5450	5280
150x50x4.0RHS	C450L0	11.6	6940	6360	5960	5660	5430	5230	5070
150x50x3.0RHS	C450L0	8.96	6630	6050	5660	5380	5150	4960	4720
150x50x2.5RHS	C450L0	7.53	6400	5830	5460	5170	4690	4270	3930
150x50x2.0RHS	C450L0	6.07	6110	5370	4480	3880	3430	3090	2810
125x75x6.0RHS	C450L0	16.7	7010	6450	6070	5770	5540	5340	5180
125x75x5.0RHS	C450L0	14.2	6840	6280	5890	5600	5370	5180	5020
125x75x4.0RHS	C450L0	11.6	6600	6050	5670	5380	5160	4970	4820
125x75x3.0RHS	C450L0	8.96	6290	5750	5380	5100	4890	4710	4560
125x75x2.5RHS	C450L0	7.53	6070	5540	5180	4910	4500	4120	3810
125x75x2.0RHS	C450L0	6.07	5800	5190	4380	3830	3420	3110	2850
100x50x5.0RHS	C450L0	10.3	5580	5100	4780	4540	4350	4190	4060
100x50x4.0RHS	C450L0	8.49	5400	4930	4610	4380	4190	4040	3910
100x50x3.5RHS	C450L0	7.53	5280	4820	4500	4270	4090	3940	3820
100x50x3.0RHS	C450L0	6.60	5160	4700	4400	4170	3990	3840	3720
100x50x2.5RHS	C450L0	5.56	4990	4540	4240	4020	3840	3580	3330
100x50x2.0RHS	C450L0	4.50	4770	4330	4040	3610	3250	2970	2740
100x50x1.6RHS	C450L0	3.64	4550	3690	3110	2710	2420	2190	2010
75x50x5.0RHS	C450L0	8.35	4660	4260	3980	3780	3620	3450	3300
75x50x4.0RHS	C450L0	6.92	4520	4120	3850	3650	3470	3300	3160
75x50x3.0RHS	C450L0	5.42	4340	3950	3690	3460	3260	3100	2970
75x50x2.5RHS	C450L0	4.58	4190	3810	3540	3300	3110	2960	2830
75x50x2.0RHS	C450L0	3.72	4010	3640	3330	3100	2830	2610	2420
75x50x1.6RHS	C450L0	3.01	3830	3300	2820	2490	2240	2050	1900

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

## Maximum under purlin span (mm)

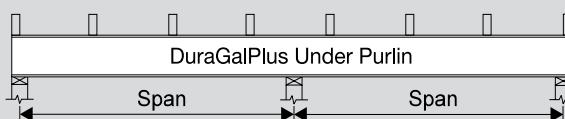
## Single span



DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	5910	5440	5110	4870	4670	4500	4370
150x50x5.0RHS	C450L0	14.2	5770	5300	4970	4730	4530	4370	4240
150x50x4.0RHS	C450L0	11.6	5570	5100	4780	4540	4360	4200	4070
150x50x3.0RHS	C450L0	8.96	5320	4860	4550	4310	4130	3980	3860
150x50x2.5RHS	C450L0	7.53	5130	4680	4380	4150	3980	3830	3710
150x50x2.0RHS	C450L0	6.07	4910	4470	4170	3960	3790	3650	3510
125x75x6.0RHS	C450L0	16.7	5630	5180	4870	4630	4450	4290	4160
125x75x5.0RHS	C450L0	14.2	5490	5040	4730	4500	4310	4160	4030
125x75x4.0RHS	C450L0	11.6	5300	4850	4550	4320	4140	3990	3870
125x75x3.0RHS	C450L0	8.96	5050	4610	4320	4100	3920	3780	3660
125x75x2.5RHS	C450L0	7.53	4880	4450	4160	3940	3780	3640	3500
125x75x2.0RHS	C450L0	6.07	4660	4240	3960	3760	3590	3420	3270
100x50x5.0RHS	C450L0	10.3	4480	4100	3840	3640	3450	3290	3150
100x50x4.0RHS	C450L0	8.49	4330	3960	3700	3480	3290	3130	3000
100x50x3.5RHS	C450L0	7.53	4240	3870	3620	3370	3180	3030	2900
100x50x3.0RHS	C450L0	6.60	4140	3780	3510	3270	3080	2930	2810
100x50x2.5RHS	C450L0	5.56	4000	3640	3340	3110	2930	2790	2670
100x50x2.0RHS	C450L0	4.50	3830	3440	3140	2920	2750	2620	2500
100x50x1.6RHS	C450L0	3.64	3650	3220	2940	2730	2580	2450	2340
75x50x5.0RHS	C450L0	8.35	3740	3360	3070	2860	2700	2570	2460
75x50x4.0RHS	C450L0	6.92	3630	3220	2940	2740	2580	2460	2360
75x50x3.0RHS	C450L0	5.42	3450	3040	2770	2580	2430	2310	2220
75x50x2.5RHS	C450L0	4.58	3290	2900	2640	2460	2320	2210	2110
75x50x2.0RHS	C450L0	3.72	3100	2730	2490	2310	2180	2070	1980
75x50x1.6RHS	C450L0	3.01	2920	2560	2330	2170	2040	1940	1860

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

**Maximum under purlin span (mm)****Continuous span**

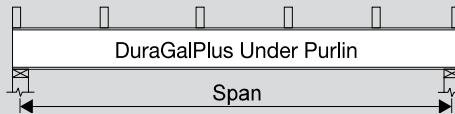
DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7360	6780	6370	6060	5820	5610	5440
150x50x5.0RHS	C450L0	14.2	7190	6600	6190	5890	5650	5450	5280
150x50x4.0RHS	C450L0	11.6	6940	6360	5960	5660	5430	5230	5070
150x50x3.0RHS	C450L0	8.96	6630	6050	5660	5380	4900	4480	4150
150x50x2.5RHS	C450L0	7.53	6400	5830	5230	4570	4090	3720	3410
150x50x2.0RHS	C450L0	6.07	6000	4670	3880	3340	2940	2640	2400
125x75x6.0RHS	C450L0	16.7	7010	6450	6070	5770	5540	5340	5180
125x75x5.0RHS	C450L0	14.2	6840	6280	5890	5600	5370	5180	5020
125x75x4.0RHS	C450L0	11.6	6600	6050	5670	5380	5160	4970	4820
125x75x3.0RHS	C450L0	8.96	6290	5750	5380	5100	4860	4460	4140
125x75x2.5RHS	C450L0	7.53	6070	5540	4990	4400	3960	3610	3340
125x75x2.0RHS	C450L0	6.07	5760	4550	3830	3340	2970	2690	2460
100x50x5.0RHS	C450L0	10.3	5580	5100	4780	4540	4350	4190	4060
100x50x4.0RHS	C450L0	8.49	5400	4930	4610	4380	4190	4040	3910
100x50x3.5RHS	C450L0	7.53	5280	4820	4500	4270	4090	3940	3820
100x50x3.0RHS	C450L0	6.60	5160	4700	4400	4170	3890	3590	3340
100x50x2.5RHS	C450L0	5.56	4990	4540	4240	3810	3450	3170	2940
100x50x2.0RHS	C450L0	4.50	4770	4240	3610	3170	2850	2600	2400
100x50x1.6RHS	C450L0	3.64	4100	3230	2710	2360	2100	1900	1740
75x50x5.0RHS	C450L0	8.35	4660	4260	3980	3780	3620	3450	3300
75x50x4.0RHS	C450L0	6.92	4520	4120	3850	3650	3470	3300	3160
75x50x3.0RHS	C450L0	5.42	4340	3950	3690	3460	3260	3100	2910
75x50x2.5RHS	C450L0	4.58	4190	3810	3540	3300	3100	2870	2690
75x50x2.0RHS	C450L0	3.72	4010	3640	3130	2770	2510	2310	2140
75x50x1.6RHS	C450L0	3.01	3640	2920	2490	2190	1970	1800	1670

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

\*<sup>1</sup> Ceiling in line with the rafter/under purlin and supported by the rafter/under purlin. The wind load used to generate tables are those resulting from both internal and external pressure.

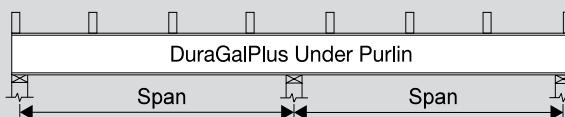
## Maximum under purlin span (mm)

## Single span



DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7610	7090	6720	6420	6180	5980	5750
150x50x5.0RHS	C450L0	14.2	7460	6940	6550	6260	6020	5760	5540
150x50x4.0RHS	C450L0	11.6	7260	6720	6330	6040	5740	5480	5260
150x50x3.0RHS	C450L0	8.96	6970	6430	6040	5670	5370	5120	4910
150x50x2.5RHS	C450L0	7.53	6760	6210	5780	5410	5110	4870	4670
150x50x2.0RHS	C450L0	6.07	6490	5930	5440	5080	4800	4580	4390
125x75x6.0RHS	C450L0	16.7	7240	6750	6400	6120	5850	5600	5390
125x75x5.0RHS	C450L0	14.2	7100	6600	6240	5940	5640	5390	5180
125x75x4.0RHS	C450L0	11.6	6900	6390	6020	5660	5360	5120	4920
125x75x3.0RHS	C450L0	8.96	6620	6100	5650	5290	5010	4780	4590
125x75x2.5RHS	C450L0	7.53	6420	5870	5390	5040	4770	4550	4360
125x75x2.0RHS	C450L0	6.07	6160	5530	5080	4740	4480	4270	4090
100x50x5.0RHS	C450L0	10.3	5800	5220	4810	4510	4270	4080	3920
100x50x4.0RHS	C450L0	8.49	5590	5010	4610	4310	4080	3890	3740
100x50x3.5RHS	C450L0	7.53	5450	4870	4480	4190	3960	3780	3620
100x50x3.0RHS	C450L0	6.60	5310	4730	4340	4060	3840	3660	3510
100x50x2.5RHS	C450L0	5.56	5090	4520	4150	3870	3660	3480	3340
100x50x2.0RHS	C450L0	4.50	4810	4270	3910	3640	3440	3270	3140
100x50x1.6RHS	C450L0	3.64	4540	4010	3670	3420	3220	3070	2940
75x50x5.0RHS	C450L0	8.35	4600	4120	3790	3550	3360	3200	3070
75x50x4.0RHS	C450L0	6.92	4440	3960	3640	3400	3220	3070	2940
75x50x3.0RHS	C450L0	5.42	4230	3760	3450	3220	3040	2890	2770
75x50x2.5RHS	C450L0	4.58	4060	3600	3290	3070	2900	2760	2640
75x50x2.0RHS	C450L0	3.72	3840	3390	3100	2890	2730	2600	2490
75x50x1.6RHS	C450L0	3.01	3620	3190	2920	2720	2560	2440	2330

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

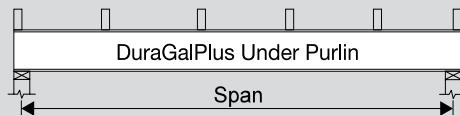
**Maximum under purlin span (mm)****Continuous span**

DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	9480	8840	8370	8000	7700	7450	7240
150x50x5.0RHS	C450L0	14.2	9300	8640	8160	7800	7500	7250	7040
150x50x4.0RHS	C450L0	11.6	9040	8370	7890	7520	7230	6980	6770
150x50x3.0RHS	C450L0	8.96	8690	8010	7530	7170	6650	6110	5680
150x50x2.5RHS	C450L0	7.53	8420	7740	7170	6320	5690	5200	4800
150x50x2.0RHS	C450L0	6.07	8080	6540	5500	4780	4260	3850	3520
125x75x6.0RHS	C450L0	16.7	9020	8410	7970	7620	7330	7100	6890
125x75x5.0RHS	C450L0	14.2	8850	8220	7770	7420	7130	6900	6700
125x75x4.0RHS	C450L0	11.6	8600	7960	7500	7150	6870	6640	6440
125x75x3.0RHS	C450L0	8.96	8250	7600	7150	6810	6530	6020	5600
125x75x2.5RHS	C450L0	7.53	8000	7350	6740	5970	5400	4960	4600
125x75x2.0RHS	C450L0	6.07	7670	6240	5300	4650	4180	3800	3500
100x50x5.0RHS	C450L0	10.3	7290	6730	6340	6040	5730	5470	5250
100x50x4.0RHS	C450L0	8.49	7090	6530	6130	5780	5470	5220	5010
100x50x3.5RHS	C450L0	7.53	6950	6390	6000	5610	5310	5060	4850
100x50x3.0RHS	C450L0	6.60	6820	6250	5820	5440	5140	4780	4460
100x50x2.5RHS	C450L0	5.56	6610	6050	5560	5110	4640	4270	3980
100x50x2.0RHS	C450L0	4.50	6340	5720	4900	4330	3910	3580	3320
100x50x1.6RHS	C450L0	3.64	5580	4450	3770	3310	2960	2690	2480
75x50x5.0RHS	C450L0	8.35	6120	5520	5080	4760	4500	4290	4120
75x50x4.0RHS	C450L0	6.92	5960	5310	4880	4560	4310	4110	3940
75x50x3.0RHS	C450L0	5.42	5670	5040	4620	4310	4070	3880	3690
75x50x2.5RHS	C450L0	4.58	5440	4820	4410	4120	3890	3650	3410
75x50x2.0RHS	C450L0	3.72	5150	4550	4160	3720	3380	3110	2890
75x50x1.6RHS	C450L0	3.01	4850	3930	3370	2980	2690	2470	2290

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

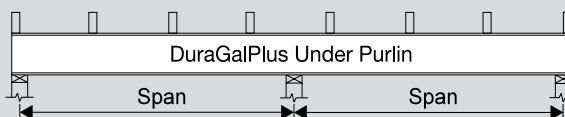
## Maximum under purlin span (mm)

## Single span



DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7610	7090	6720	6300	5930	5630	5390
150x50x5.0RHS	C450L0	14.2	7460	6940	6500	6030	5680	5390	5160
150x50x4.0RHS	C450L0	11.6	7260	6720	6130	5690	5360	5090	4870
150x50x3.0RHS	C450L0	8.96	6970	6260	5690	5280	4970	4720	4520
150x50x2.5RHS	C450L0	7.53	6760	5940	5390	5010	4710	4480	4280
150x50x2.0RHS	C450L0	6.07	6350	5550	5040	4680	4400	4100	3840
125x75x6.0RHS	C450L0	16.7	7240	6750	6360	5900	5550	5270	5050
125x75x5.0RHS	C450L0	14.2	7100	6600	6080	5640	5310	5050	4830
125x75x4.0RHS	C450L0	11.6	6900	6310	5730	5320	5010	4760	4550
125x75x3.0RHS	C450L0	8.96	6620	5850	5310	4930	4640	4410	4220
125x75x2.5RHS	C450L0	7.53	6340	5540	5030	4670	4400	4180	3990
125x75x2.0RHS	C450L0	6.07	5930	5180	4700	4310	3930	3630	3400
100x50x5.0RHS	C450L0	10.3	5730	5010	4550	4230	3980	3780	3610
100x50x4.0RHS	C450L0	8.49	5440	4760	4320	4010	3770	3590	3430
100x50x3.5RHS	C450L0	7.53	5260	4600	4180	3880	3650	3470	3320
100x50x3.0RHS	C450L0	6.60	5080	4440	4040	3750	3530	3350	3200
100x50x2.5RHS	C450L0	5.56	4830	4220	3830	3560	3350	3180	3040
100x50x2.0RHS	C450L0	4.50	4520	3950	3590	3330	3140	2980	2850
100x50x1.6RHS	C450L0	3.64	4230	3690	3360	3050	2780	2570	2400
75x50x5.0RHS	C450L0	8.35	4480	3910	3550	3300	3100	2950	2820
75x50x4.0RHS	C450L0	6.92	4270	3730	3390	3150	2960	2810	2690
75x50x3.0RHS	C450L0	5.42	4010	3500	3180	2950	2780	2640	2530
75x50x2.5RHS	C450L0	4.58	3810	3330	3030	2810	2640	2510	2400
75x50x2.0RHS	C450L0	3.72	3580	3130	2840	2640	2480	2360	2260
75x50x1.6RHS	C450L0	3.01	3350	2930	2660	2470	2260	2090	1960

\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

**Maximum under purlin span (mm)****Continuous span**

DuraGalPlus section	Grade	Mass kg/m	Effective under purlin spacing* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	9480	8840	8370	8000	7600	7020	6560
150x50x5.0RHS	C450L0	14.2	9300	8640	8160	7740	7050	6520	6090
150x50x4.0RHS	C450L0	11.6	9040	8370	7890	7030	6410	5920	5540
150x50x3.0RHS	C450L0	8.96	8690	8010	6970	6220	5650	5180	4800
150x50x2.5RHS	C450L0	7.53	8420	7130	6060	5320	4770	4340	4000
150x50x2.0RHS	C450L0	6.07	6970	5460	4560	3950	3500	3150	2870
125x75x6.0RHS	C450L0	16.7	9020	8410	7970	7620	7300	6750	6300
125x75x5.0RHS	C450L0	14.2	8850	8220	7770	7420	6770	6260	5850
125x75x4.0RHS	C450L0	11.6	8600	7960	7500	6750	6150	5690	5310
125x75x3.0RHS	C450L0	8.96	8250	7600	6630	5920	5390	4990	4660
125x75x2.5RHS	C450L0	7.53	8000	6620	5720	5070	4570	4190	3870
125x75x2.0RHS	C450L0	6.07	6620	5270	4460	3900	3480	3160	2900
100x50x5.0RHS	C450L0	10.3	7290	6720	6100	5480	4990	4610	4310
100x50x4.0RHS	C450L0	8.49	7090	6370	5610	5010	4570	4220	3950
100x50x3.5RHS	C450L0	7.53	6950	6150	5310	4740	4320	4000	3730
100x50x3.0RHS	C450L0	6.60	6820	5790	5000	4470	4070	3770	3520
100x50x2.5RHS	C450L0	5.56	6470	5330	4610	4110	3750	3470	3250
100x50x2.0RHS	C450L0	4.50	5860	4770	4120	3670	3300	3020	2790
100x50x1.6RHS	C450L0	3.64	4730	3750	3160	2760	2460	2230	2050
75x50x5.0RHS	C450L0	8.35	6000	5240	4760	4320	3940	3650	3410
75x50x4.0RHS	C450L0	6.92	5720	5000	4460	3980	3630	3360	3140
75x50x3.0RHS	C450L0	5.42	5370	4630	4000	3570	3260	3010	2820
75x50x2.5RHS	C450L0	4.58	5110	4270	3690	3300	3010	2780	2600
75x50x2.0RHS	C450L0	3.72	4710	3830	3310	2960	2700	2500	2340
75x50x1.6RHS	C450L0	3.01	3930	3200	2770	2480	2260	2090	1930

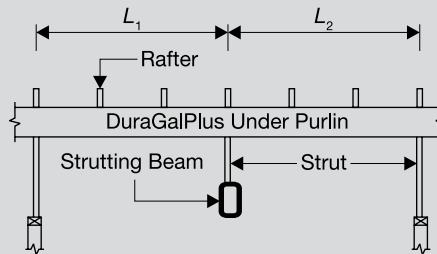
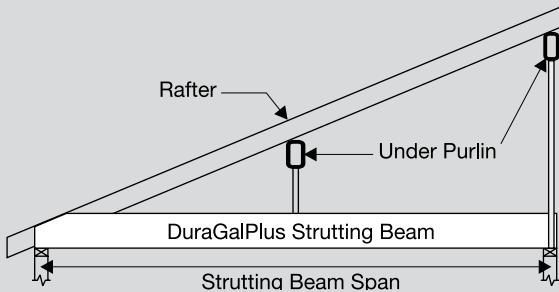
\* These tables are calculated using an effective spacing of 1.25 x purlin spacing.

## Strutting beams

Applied loads and deflection limits used to generate the tables on pages 75 to 77.

Roof	Load (kPa)		Deflection (mm)
	Dead load (G)	Live load (Q)	
Masonry tiles only <sup>*1</sup>	0.7	Larger of 0.25 and 1.8 / area + 0.12	Span / 300 to 20mm
Steel sheeting only <sup>*1</sup>	0.2		

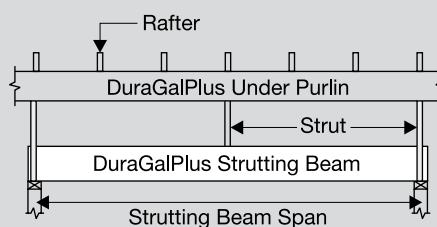
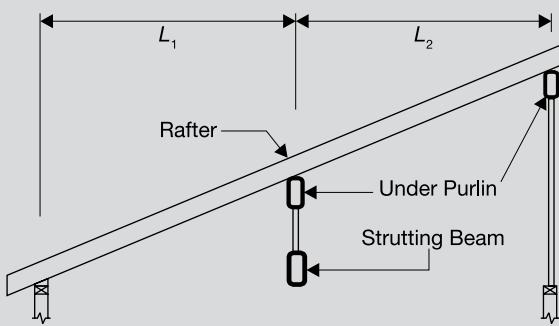
\*<sup>1</sup> Ceiling supported by ceiling joists. The only wind loads used to generate the tables are those resulting from external wind pressures.  $C_{p,e} = -0.9$  and  $+0.4$ .



$$\text{Effective load width} = 0.625 \times (L_1 + L_2)$$

Arrangement 1: Strutting beam perpendicular to under purlin

Rafters are assumed to be supported at the line of support of the Strutting beam as shown above



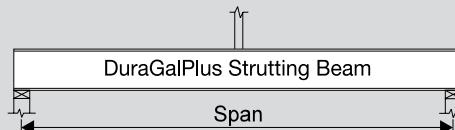
$$\text{Effective load width} = 0.625 \times (L_1 + L_2)$$

Arrangement 2: Strutting beam parallel to under purlin

Under purlin is assumed to be supported at the line of support of the Strutting beam as shown above

Maximum strutting beam span (mm)

Single span

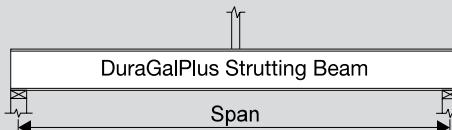


DuraGalPlus section	Grade	Mass kg/m	Effective load width* (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	5200	4590	4190	3900	3680	3500	3350
150x50x5.0RHS	C450L0	14.2	5000	4410	4020	3740	3530	3360	3210
150x50x4.0RHS	C450L0	11.6	4740	4170	3800	3540	3340	3170	3040
150x50x3.0RHS	C450L0	8.96	4420	3880	3540	3290	3100	2950	2820
150x50x2.5RHS	C450L0	7.53	4200	3690	3360	3120	2940	2800	2680
150x50x2.0RHS	C450L0	6.07	3940	3450	3140	2920	2750	2560	2400
125x75x6.0RHS	C450L0	16.7	4870	4300	3920	3650	3450	3280	3140
125x75x5.0RHS	C450L0	14.2	4680	4120	3760	3500	3300	3140	3010
125x75x4.0RHS	C450L0	11.6	4430	3900	3560	3310	3120	2970	2840
125x75x3.0RHS	C450L0	8.96	4130	3630	3300	3070	2890	2750	2630
125x75x2.5RHS	C450L0	7.53	3920	3440	3130	2910	2740	2610	2500
125x75x2.0RHS	C450L0	6.07	3670	3220	2930	2660	2440	2260	2120
100x50x5.0RHS	C450L0	10.3	3530	3100	2830	2630	2480	2360	2260
100x50x4.0RHS	C450L0	8.49	3360	2950	2690	2500	2350	2240	2140
100x50x3.5RHS	C450L0	7.53	3250	2860	2600	2420	2280	2170	2070
100x50x3.0RHS	C450L0	6.60	3150	2760	2520	2340	2200	2090	2000
100x50x2.5RHS	C450L0	5.56	3000	2630	2390	2220	2090	1990	1900
100x50x2.0RHS	C450L0	4.50	2810	2460	2240	2080	1960	1860	1780
100x50x1.6RHS	C450L0	3.64	2630	2310	2100	1900	1740	1620	1510
75x50x5.0RHS	C450L0	8.35	2760	2430	2210	2060	1940	1840	1760
75x50x4.0RHS	C450L0	6.92	2640	2320	2110	1960	1850	1760	1680
75x50x3.0RHS	C450L0	5.42	2490	2180	1990	1840	1740	1650	1580
75x50x2.5RHS	C450L0	4.58	2370	2080	1890	1760	1650	1570	1500
75x50x2.0RHS	C450L0	3.72	2230	1950	1780	1650	1550	1480	1410
75x50x1.6RHS	C450L0	3.01	2090	1830	1660	1550	1420	1320	1230

\* These tables are calculated using an effective load width of  $1.25 \times L$ , where  $L = (L_1 + L_2)/2$  as defined on page 74.

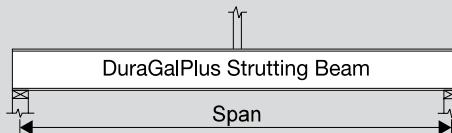
## Maximum strutting beam span (mm)

Single span



DuraGalPlus section	Grade	Mass kg/m	Effective load width (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7010	6480	6100	5750	5450	5200	4990
150x50x5.0RHS	C450L0	14.2	6850	6310	5910	5540	5240	5000	4800
150x50x4.0RHS	C450L0	11.6	6630	6090	5630	5260	4970	4740	4550
150x50x3.0RHS	C450L0	8.96	6340	5740	5260	4910	4640	4420	4240
150x50x2.5RHS	C450L0	7.53	6130	5470	5010	4670	4410	4200	4030
150x50x2.0RHS	C450L0	6.07	5820	5150	4710	4390	4070	3790	3570
125x75x6.0RHS	C450L0	16.7	6670	6170	5740	5390	5100	4870	4680
125x75x5.0RHS	C450L0	14.2	6520	6010	5530	5180	4900	4680	4490
125x75x4.0RHS	C450L0	11.6	6300	5720	5260	4920	4650	4430	4250
125x75x3.0RHS	C450L0	8.96	6020	5360	4910	4590	4330	4130	3960
125x75x2.5RHS	C450L0	7.53	5760	5110	4680	4360	4120	3920	3710
125x75x2.0RHS	C450L0	6.07	5430	4800	4320	3910	3600	3360	3160
100x50x5.0RHS	C450L0	10.3	5120	4570	4190	3920	3700	3530	3380
100x50x4.0RHS	C450L0	8.49	4920	4370	4000	3740	3530	3360	3220
100x50x3.5RHS	C450L0	7.53	4780	4240	3880	3620	3420	3250	3120
100x50x3.0RHS	C450L0	6.60	4640	4110	3760	3510	3310	3150	3020
100x50x2.5RHS	C450L0	5.56	4440	3920	3580	3340	3150	3000	2870
100x50x2.0RHS	C450L0	4.50	4180	3690	3370	3140	2960	2810	2690
100x50x1.6RHS	C450L0	3.64	3930	3460	3140	2840	2600	2420	2270
75x50x5.0RHS	C450L0	8.35	4040	3590	3290	3070	2900	2760	2650
75x50x4.0RHS	C450L0	6.92	3890	3450	3150	2940	2780	2640	2530
75x50x3.0RHS	C450L0	5.42	3690	3260	2980	2770	2620	2490	2380
75x50x2.5RHS	C450L0	4.58	3530	3110	2840	2640	2490	2370	2270
75x50x2.0RHS	C450L0	3.72	3330	2930	2670	2490	2340	2230	2130
75x50x1.6RHS	C450L0	3.01	3130	2750	2510	2320	2130	1970	1840

\* These tables are calculated using an effective load width of  $1.25 \times L$ , where  $L = (L_1 + L_2)/2$  as defined on page 74.

**Maximum strutting beam span (mm)****Single span**

DuraGalPlus section	Grade	Mass kg/m	Effective load width (mm)						
			1200	1800	2400	3000	3600	4200	4800
150x50x6.0RHS	C450L0	16.7	7010	6480	6100	5750	5450	5200	4870
150x50x5.0RHS	C450L0	14.2	6850	6310	5910	5540	5240	4830	4490
150x50x4.0RHS	C450L0	11.6	6630	6090	5630	5250	4740	4350	4050
150x50x3.0RHS	C450L0	8.96	6340	5740	5190	4580	4150	3820	3550
150x50x2.5RHS	C450L0	7.53	6130	5470	4730	4180	3790	3490	3250
150x50x2.0RHS	C450L0	6.07	5760	4670	3990	3540	3210	2960	2760
125x75x6.0RHS	C450L0	16.7	6670	6170	5740	5390	5100	4870	4680
125x75x5.0RHS	C450L0	14.2	6520	6010	5530	5180	4900	4640	4310
125x75x4.0RHS	C450L0	11.6	6300	5720	5260	4920	4550	4180	3880
125x75x3.0RHS	C450L0	8.96	6020	5360	4910	4360	3950	3630	3380
125x75x2.5RHS	C450L0	7.53	5760	4970	4220	3730	3380	3120	2910
125x75x2.0RHS	C450L0	6.07	5100	4140	3530	3130	2840	2620	2440
100x50x5.0RHS	C450L0	10.3	5120	4570	4190	3920	3670	3370	3140
100x50x4.0RHS	C450L0	8.49	4920	4370	4000	3680	3340	3070	2860
100x50x3.5RHS	C450L0	7.53	4780	4240	3880	3470	3140	2890	2700
100x50x3.0RHS	C450L0	6.60	4640	4110	3670	3250	2950	2720	2540
100x50x2.5RHS	C450L0	5.56	4440	3920	3360	2980	2710	2500	2330
100x50x2.0RHS	C450L0	4.50	4180	3490	2990	2660	2420	2230	2080
100x50x1.6RHS	C450L0	3.64	3570	2860	2460	2190	1990	1840	1720
75x50x5.0RHS	C450L0	8.35	4040	3590	3290	3070	2880	2650	2470
75x50x4.0RHS	C450L0	6.92	3890	3450	3150	2900	2630	2430	2260
75x50x3.0RHS	C450L0	5.42	3690	3260	2920	2590	2350	2170	2020
75x50x2.5RHS	C450L0	4.58	3530	3110	2680	2380	2160	2000	1860
75x50x2.0RHS	C450L0	3.72	3330	2790	2390	2130	1940	1790	1670
75x50x1.6RHS	C450L0	3.01	2880	2320	1990	1780	1620	1490	1390

\* These tables are calculated using an effective load width of  $1.25 \times L$ , where  $L = (L_1 + L_2)/2$  as defined on page 74.

## Roof battens

Applied loads and deflection limits used to generate the tables on pages 79 to 85.

Roof	Load		Deflection (mm)	
	Dead load ( $G$ ) (kPa)	Live load ( $Q$ ) (kN)	Dead load ( $G$ )	Live load ( $Q = 1.1\text{kN}$ )
Masonry tiles only	0.53*	1.1	Span / 300	Span / 180
Steel sheeting only	0.04*			

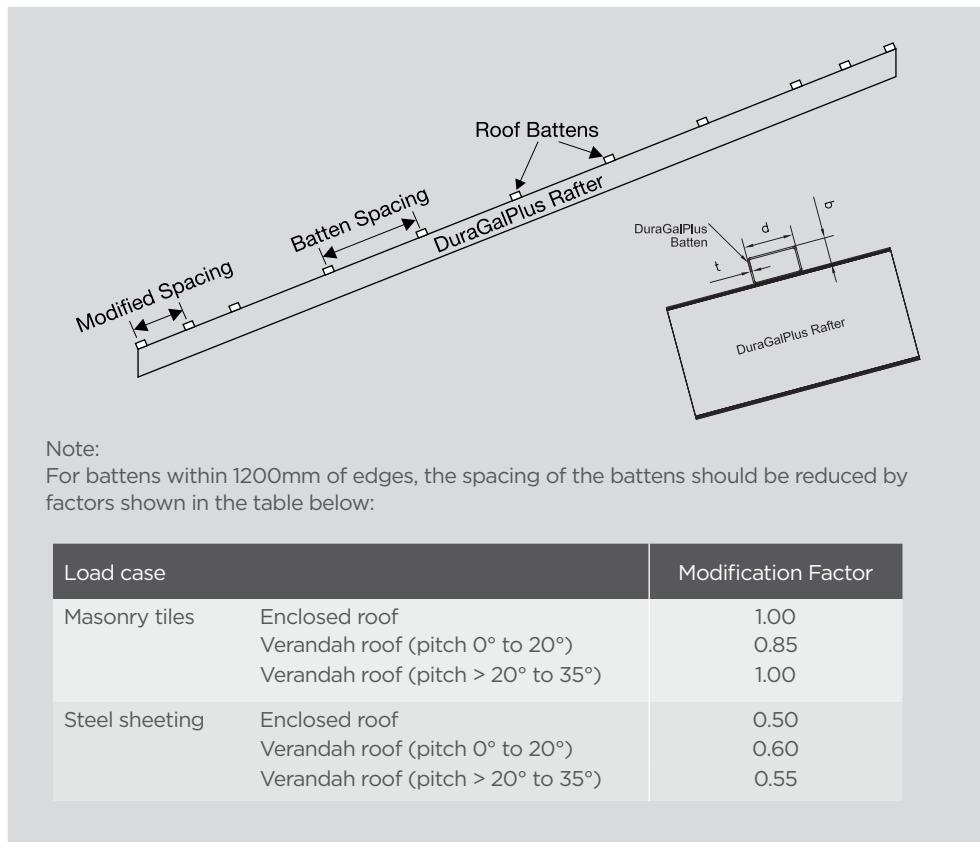
\* Superimposed dead loads are along the pitch of the roof.

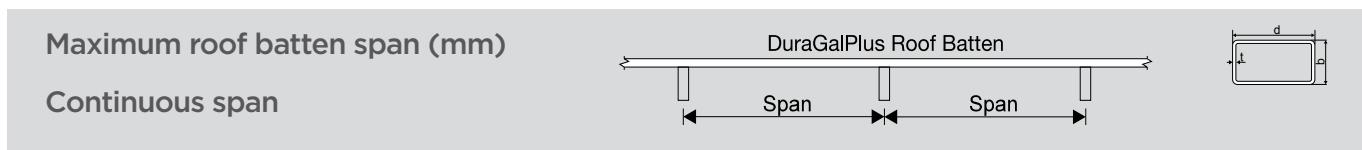
Tables are produced for Enclosed

Verandah (pitch 0° to 20°)

Verandah (pitch > 20° to 35°)

- Area under battens is assumed to be enclosed by ceiling that is supported by other members. Roof battens are assumed to support roofing loads and to resist external wind load only;  $C_{p,n} = -0.9$
- Verandah roof without ceiling with roof pitch as shown For wind load calculations  $C_{p,n} = -1.6$
- Verandah roof without ceiling with roof pitch as shown For wind load calculations  $C_{p,n} = -1.1$



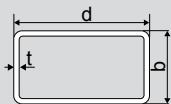
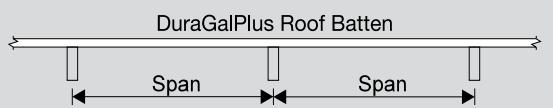


DuraGalPlus section (d x b x t)	Mass kg/m	Batten spacing (mm)	DuraGalPlus section	Mass kg/m	Batten spacing (mm)
		330			330
75x50x1.6RHS	3.01	3310	50x50x1.6SHS	2.38	2800
75x25x2.5RHS	3.60	1800	40x40x4.0SHS	4.09	2650
75x25x2.0RHS	2.93	1660	40x40x3.0SHS	3.30	2500
75x25x1.6RHS	2.38	1520	40x40x2.5SHS	2.82	2340
65x35x4.0RHS	5.35	2870	40x40x2.0SHS	2.31	2150
65x35x3.0RHS	4.25	2660	40x40x1.6SHS	1.88	1970
65x35x2.5RHS	3.60	2490	35x35x3.0SHS	2.83	1990
65x35x2.0RHS	2.93	2280	35x35x2.5SHS	2.42	1880
50x25x3.0RHS	3.07	1570	35x35x2.0SHS	1.99	1740
50x25x2.5RHS	2.62	1480	35x35x1.6SHS	1.63	1590
50x25x2.0RHS	2.15	1370	30x30x2.5SHS	2.03	1450
50x25x1.6RHS	1.75	1260	30x30x2.0SHS	1.68	1350
			30x30x1.6SHS	1.38	1240
			25x25x3.0SHS	1.89	1110
			25x25x2.5SHS	1.64	1060
			25x25x2.0SHS	1.36	1000
			25x25x1.6SHS	1.12	920

\* Area under battens is assumed to be enclosed by ceiling that is supported by other members. The wind load used to generate tables are those resulting from external pressure only.

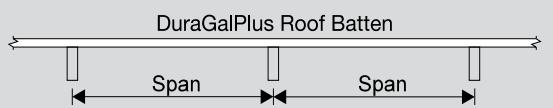
## Maximum roof batten span (mm)

## Continuous span



DuraGalPlus section (d x b x t)	Grade	Mass kg/m	Batten spacing (mm)				
			900	1200	1500	1800	2100
75x50x1.6RHS	C450L0	3.01	3320	3320	3320	3320	3080
75x25x2.5RHS	C450L0	3.60	1810	1810	1810	1810	1810
75x25x2.0RHS	C450L0	2.93	1670	1670	1670	1670	1670
75x25x1.6RHS	C450L0	2.38	1530	1530	1530	1530	1530
65x35x4.0RHS	C450L0	5.35	2880	2880	2880	2880	2880
65x35x3.0RHS	C450L0	4.25	2670	2670	2670	2670	2670
65x35x2.5RHS	C450L0	3.60	2500	2500	2500	2500	2500
65x35x2.0RHS	C450L0	2.93	2290	2290	2290	2290	2290
50x25x3.0RHS	C450L0	3.07	1570	1570	1570	1570	1570
50x25x2.5RHS	C450L0	2.62	1490	1490	1490	1490	1490
50x25x2.0RHS	C450L0	2.15	1380	1380	1380	1380	1380
50x25x1.6RHS	C450L0	1.75	1260	1260	1260	1260	1260
50x50x2.0SHS	C450L0	2.93	3090	3090	3090	3090	3090
50x50x1.6SHS	C450L0	2.38	2810	2810	2810	2810	2810
40x40x4.0SHS	C450L0	4.09	2660	2660	2660	2660	2660
40x40x3.0SHS	C450L0	3.30	2510	2510	2510	2510	2510
40x40x2.5SHS	C450L0	2.82	2350	2350	2350	2350	2350
40x40x2.0SHS	C450L0	2.31	2160	2160	2160	2160	2160
40x40x1.6SHS	C450L0	1.88	1980	1980	1980	1980	1980
35x35x3.0SHS	C450L0	2.83	2000	2000	2000	2000	2000
35x35x2.5SHS	C450L0	2.42	1890	1890	1890	1890	1890
35x35x2.0SHS	C450L0	1.99	1740	1740	1740	1740	1740
35x35x1.6SHS	C450L0	1.63	1600	1600	1600	1600	1600
30x30x2.5SHS	C450L0	2.03	1460	1460	1460	1460	1460
30x30x2.0SHS	C450L0	1.68	1350	1350	1350	1350	1350
30x30x1.6SHS	C450L0	1.38	1250	1250	1250	1250	1250
25x25x3.0SHS	C450L0	1.89	1110	1110	1110	1110	1110
25x25x2.5SHS	C450L0	1.64	1070	1070	1070	1070	1070
25x25x2.0SHS	C450L0	1.36	1000	1000	1000	1000	1000
25x25x1.6SHS	C450L0	1.12	930	930	930	930	930

\* Area under battens is assumed to be enclosed by ceiling that is supported by other members. The wind load used to generate tables are those resulting from external pressure only.

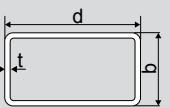
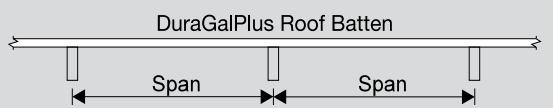
**Maximum roof batten span (mm)****Continuous span**

DuraGalPlus section (d x b x t)	Grade	Mass kg/m	Batten spacing (mm)				
			900	1200	1500	1800	2100
150x50x2.0RHS	C450L0	6.07	4680	4030	3590	3270	3030
100x50x2.0RHS	C450L0	4.50	4160	3930	3510	3200	2950
100x50x1.6RHS	C450L0	3.64	3770	3300	2940	2680	2480
75x50x2.0RHS	C450L0	3.72	3660	3660	3440	3130	2900
75x50x1.6RHS	C450L0	3.01	3320	3240	2890	2630	2440
75x25x2.5RHS	C450L0	3.60	1810	1810	1810	1810	1810
75x25x2.0RHS	C450L0	2.93	1670	1670	1670	1670	1670
75x25x1.6RHS	C450L0	2.38	1530	1530	1530	1530	1530
65x35x4.0RHS	C450L0	5.35	2880	2880	2880	2880	2880
65x35x3.0RHS	C450L0	4.25	2670	2670	2670	2670	2670
65x35x2.5RHS	C450L0	3.60	2500	2500	2500	2500	2500
65x35x2.0RHS	C450L0	2.93	2290	2290	2290	2290	2280
50x25x3.0RHS	C450L0	3.07	1570	1570	1570	1570	1570
50x25x2.5RHS	C450L0	2.62	1490	1490	1490	1490	1490
50x25x2.0RHS	C450L0	2.15	1380	1380	1380	1380	1380
50x25x1.6RHS	C450L0	1.75	1260	1260	1260	1260	1260
65x65x1.6SHS	C450L0	3.13	4230	3830	3420	3120	2880
50x50x2.5SHS	C450L0	3.60	3380	3380	3380	3350	3100
50x50x2.0SHS	C450L0	2.93	3090	3090	3090	3020	2790
50x50x1.6SHS	C450L0	2.38	2810	2810	2810	2560	2370
40x40x4.0SHS	C450L0	4.09	2660	2660	2660	2660	2660
40x40x3.0SHS	C450L0	3.30	2510	2510	2510	2510	2510
40x40x2.5SHS	C450L0	2.82	2350	2350	2350	2350	2350
40x40x2.0SHS	C450L0	2.31	2160	2160	2160	2160	2160
40x40x1.6SHS	C450L0	1.88	1980	1980	1980	1980	1980
35x35x3.0SHS	C450L0	2.83	2000	2000	2000	2000	2000
35x35x2.5SHS	C450L0	2.42	1890	1890	1890	1890	1890
35x35x2.0SHS	C450L0	1.99	1740	1740	1740	1740	1740
35x35x1.6SHS	C450L0	1.63	1600	1600	1600	1600	1600
30x30x2.5SHS	C450L0	2.03	1460	1460	1460	1460	1460
30x30x2.0SHS	C450L0	1.68	1350	1350	1350	1350	1350
30x30x1.6SHS	C450L0	1.38	1250	1250	1250	1250	1250
25x25x3.0SHS	C450L0	1.89	1110	1110	1110	1110	1110
25x25x2.5SHS	C450L0	1.64	1070	1070	1070	1070	1070
25x25x2.0SHS	C450L0	1.36	1000	1000	1000	1000	1000
25x25x1.6SHS	C450L0	1.12	930	930	930	930	930

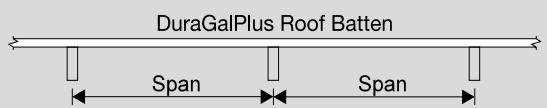
\* Area under battens is assumed to be enclosed by ceiling that is supported by other members. The wind load used to generate tables are those resulting from external pressure only.

## Maximum roof batten span (mm)

Continuous span



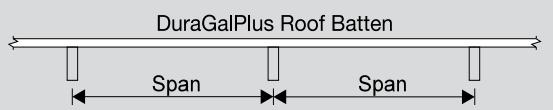
DuraGalPlus section (d x b x t)	Grade	Mass kg/m	Batten spacing (mm)				
			900	1200	1500	1800	2100
150x50x2.0RHS	C450L0	6.07	4370	3770	3360	3060	2830
100x50x2.0RHS	C450L0	4.50	4160	3670	3280	2990	2760
100x50x1.6RHS	C450L0	3.64	3570	3080	2750	2510	2320
75x50x2.0RHS	C450L0	3.72	3660	3600	3210	2930	2710
75x50x1.6RHS	C450L0	3.01	3320	3030	2700	2460	2280
75x25x2.5RHS	C450L0	3.60	1810	1810	1810	1810	1810
75x25x2.0RHS	C450L0	2.93	1670	1670	1670	1670	1670
75x25x1.6RHS	C450L0	2.38	1530	1530	1530	1530	1440
65x35x4.0RHS	C450L0	5.35	2880	2880	2880	2880	2880
65x35x3.0RHS	C450L0	4.25	2670	2670	2670	2670	2670
65x35x2.5RHS	C450L0	3.60	2500	2500	2500	2500	2490
65x35x2.0RHS	C450L0	2.93	2290	2290	2290	2290	2130
50x25x3.0RHS	C450L0	3.07	1570	1570	1570	1570	1570
50x25x2.5RHS	C450L0	2.62	1490	1490	1490	1490	1490
50x25x2.0RHS	C450L0	2.15	1380	1380	1380	1380	1380
50x25x1.6RHS	C450L0	1.75	1260	1260	1260	1260	1260
65x65x1.6SHS	C450L0	3.13	4140	3580	3200	2920	2700
50x50x2.5SHS	C450L0	3.60	3380	3380	3380	3130	2900
50x50x2.0SHS	C450L0	2.93	3090	3090	3090	2820	2610
50x50x1.6SHS	C450L0	2.38	2810	2810	2630	2390	2220
40x40x4.0SHS	C450L0	4.09	2660	2660	2660	2660	2650
40x40x3.0SHS	C450L0	3.30	2510	2510	2510	2510	2440
40x40x2.5SHS	C450L0	2.82	2350	2350	2350	2350	2270
40x40x2.0SHS	C450L0	2.31	2160	2160	2160	2160	2070
40x40x1.6SHS	C450L0	1.88	1980	1980	1980	1980	1870
35x35x3.0SHS	C450L0	2.83	2000	2000	2000	2000	2000
35x35x2.5SHS	C450L0	2.42	1890	1890	1890	1890	1890
35x35x2.0SHS	C450L0	1.99	1740	1740	1740	1740	1740
35x35x1.6SHS	C450L0	1.63	1600	1600	1600	1600	1600
30x30x2.5SHS	C450L0	2.03	1460	1460	1460	1460	1460
30x30x2.0SHS	C450L0	1.68	1350	1350	1350	1350	1350
30x30x1.6SHS	C450L0	1.38	1250	1250	1250	1250	1250
25x25x3.0SHS	C450L0	1.89	1110	1110	1110	1110	1110
25x25x2.5SHS	C450L0	1.64	1070	1070	1070	1070	1070
25x25x2.0SHS	C450L0	1.36	1000	1000	1000	1000	1000
25x25x1.6SHS	C450L0	1.12	930	930	930	930	930

**Maximum roof batten span (mm)****Continuous span**

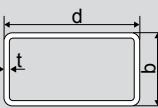
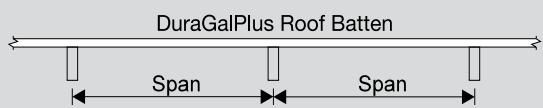
DuraGalPlus section (d x b x t)	Grade	Mass kg/m	Batten spacing (mm)				
			900	1200	1500	1800	2100
150x50x2.5RHS	C450L0	7.53	4130	3570	3180	2900	2680
150x50x2.0RHS	C450L0	6.07	3460	2980	2660	2430	2250
125x75x2.0RHS	C450L0	6.07	4510	3890	3470	3170	2930
100x50x2.5RHS	C450L0	5.56	4030	3480	3110	2830	2620
100x50x2.0RHS	C450L0	4.50	3370	2910	2600	2370	2200
100x50x1.6RHS	C450L0	3.64	2830	2450	2190	2000	1850
75x50x3.0RHS	C450L0	5.42	4320	3850	3440	3130	2900
75x50x2.5RHS	C450L0	4.58	3930	3400	3030	2770	2560
75x50x2.0RHS	C450L0	3.72	3310	2860	2550	2330	2160
75x50x1.6RHS	C450L0	3.01	2780	2400	2150	1960	1810
75x25x2.5RHS	C450L0	3.60	1810	1810	1810	1760	1630
75x25x2.0RHS	C450L0	2.93	1670	1670	1630	1490	1370
75x25x1.6RHS	C450L0	2.38	1530	1520	1360	1240	1150
65x35x4.0RHS	C450L0	5.35	2880	2880	2820	2570	2380
65x35x3.0RHS	C450L0	4.25	2670	2670	2560	2340	2160
65x35x2.5RHS	C450L0	3.60	2500	2500	2340	2140	1980
65x35x2.0RHS	C450L0	2.93	2290	2240	2010	1830	1690
50x25x3.0RHS	C450L0	3.07	1570	1570	1570	1570	1530
50x25x2.5RHS	C450L0	2.62	1490	1490	1490	1490	1430
50x25x2.0RHS	C450L0	2.15	1380	1380	1380	1380	1300
50x25x1.6RHS	C450L0	1.75	1260	1260	1260	1210	1120
75x75x2.0SHS	C450L0	4.50	4340	3750	3350	3050	2830
65x65x2.5SHS	C450L0	4.78	4610	3980	3560	3240	3000
65x65x2.0SHS	C450L0	3.88	3900	3370	3010	2740	2540
65x65x1.6SHS	C450L0	3.13	3290	2840	2540	2320	2140
50x50x5.0SHS	C450L0	6.39	4160	3920	3500	3190	2950
50x50x4.0SHS	C450L0	5.35	3920	3640	3250	2960	2740
50x50x3.0SHS	C450L0	4.25	3620	3300	2940	2690	2480
50x50x2.5SHS	C450L0	3.60	3380	3050	2730	2490	2300
50x50x2.0SHS	C450L0	2.93	3090	2750	2460	2240	2080
50x50x1.6SHS	C450L0	2.38	2700	2340	2090	1900	1760
40x40x4.0SHS	C450L0	4.09	2660	2660	2490	2270	2100
40x40x3.0SHS	C450L0	3.30	2510	2510	2300	2090	1940
40x40x2.5SHS	C450L0	2.82	2350	2350	2140	1950	1800
40x40x2.0SHS	C450L0	2.31	2160	2160	1950	1780	1650
40x40x1.6SHS	C450L0	1.88	1980	1970	1760	1600	1480
35x35x3.0SHS	C450L0	2.83	2000	2000	1970	1800	1670
35x35x2.5SHS	C450L0	2.42	1890	1890	1840	1680	1560
35x35x2.0SHS	C450L0	1.99	1740	1740	1690	1540	1420
35x35x1.6SHS	C450L0	1.63	1600	1600	1530	1400	1300
30x30x2.5SHS	C450L0	2.03	1460	1460	1460	1410	1310
30x30x2.0SHS	C450L0	1.68	1350	1350	1350	1300	1200
30x30x1.6SHS	C450L0	1.38	1250	1250	1250	1190	1100
25x25x3.0SHS	C450L0	1.89	1110	1110	1110	1110	1110
25x25x2.5SHS	C450L0	1.64	1070	1070	1070	1070	1060
25x25x2.0SHS	C450L0	1.36	1000	1000	1000	1000	980
25x25x1.6SHS	C450L0	1.12	930	930	930	930	900

## Maximum roof batten span (mm)

Continuous span



DuraGalPlus section (d x b x t)	Grade	Mass kg/m	Batten spacing (mm)				
			900	1200	1500	1800	2100
75x50x1.6RHS	C450L0	3.01	3320	3320	3290	3000	2770
75x25x2.5RHS	C450L0	3.60	1810	1810	1810	1810	1810
75x25x2.0RHS	C450L0	2.93	1670	1670	1670	1670	1670
75x25x1.6RHS	C450L0	2.38	1530	1530	1530	1530	1530
65x35x4.0RHS	C450L0	5.35	2880	2880	2880	2880	2880
65x35x3.0RHS	C450L0	4.25	2670	2670	2670	2670	2670
65x35x2.5RHS	C450L0	3.60	2500	2500	2500	2500	2500
65x35x2.0RHS	C450L0	2.93	2290	2290	2290	2290	2290
50x25x3.0RHS	C450L0	3.07	1570	1570	1570	1570	1570
50x25x2.5RHS	C450L0	2.62	1490	1490	1490	1490	1490
50x25x2.0RHS	C450L0	2.15	1380	1380	1380	1380	1380
50x25x1.6RHS	C450L0	1.75	1260	1260	1260	1260	1260
50x50x2.0SHS	C450L0	2.93	3090	3090	3090	3090	3090
50x50x1.6SHS	C450L0	2.38	2810	2810	2810	2810	2690
40x40x4.0SHS	C450L0	4.09	2660	2660	2660	2660	2660
40x40x3.0SHS	C450L0	3.30	2510	2510	2510	2510	2510
40x40x2.5SHS	C450L0	2.82	2350	2350	2350	2350	2350
40x40x2.0SHS	C450L0	2.31	2160	2160	2160	2160	2160
40x40x1.6SHS	C450L0	1.88	1980	1980	1980	1980	1980
35x35x3.0SHS	C450L0	2.83	2000	2000	2000	2000	2000
35x35x2.5SHS	C450L0	2.42	1890	1890	1890	1890	1890
35x35x2.0SHS	C450L0	1.99	1740	1740	1740	1740	1740
35x35x1.6SHS	C450L0	1.63	1600	1600	1600	1600	1600
30x30x2.5SHS	C450L0	2.03	1460	1460	1460	1460	1460
30x30x2.0SHS	C450L0	1.68	1350	1350	1350	1350	1350
30x30x1.6SHS	C450L0	1.38	1250	1250	1250	1250	1250
25x25x3.0SHS	C450L0	1.89	1110	1110	1110	1110	1110
25x25x2.5SHS	C450L0	1.64	1070	1070	1070	1070	1070
25x25x2.0SHS	C450L0	1.36	1000	1000	1000	1000	1000
25x25x1.6SHS	C450L0	1.12	930	930	930	930	930

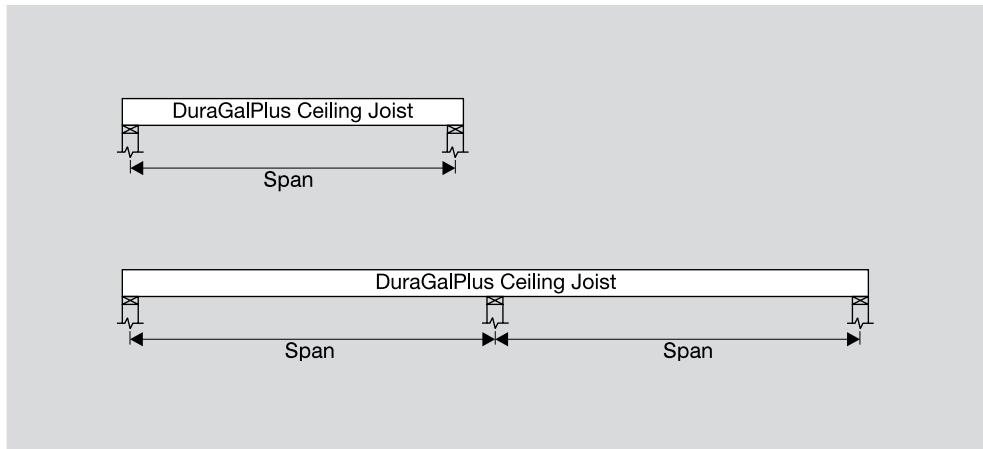
**Maximum roof batten span (mm)****Continuous span**

DuraGalPlus section (d x b x t)	Grade	Mass kg/m	Batten spacing (mm)				
			900	1200	1500	1800	2100
150x50x2.0RHS	C450L0	6.07	4210	3630	3230	2950	2720
100x50x2.0RHS	C450L0	4.50	4100	3540	3160	2880	2660
100x50x1.6RHS	C450L0	3.64	3440	2970	2650	2420	2240
75x50x2.0RHS	C450L0	3.72	3660	3470	3100	2820	2610
75x50x1.6RHS	C450L0	3.01	3320	2910	2600	2370	2200
75x25x2.5RHS	C450L0	3.60	1810	1810	1810	1810	1810
75x25x2.0RHS	C450L0	2.93	1670	1670	1670	1670	1670
75x25x1.6RHS	C450L0	2.38	1530	1530	1530	1500	1390
65x35x4.0RHS	C450L0	5.35	2880	2880	2880	2880	2880
65x35x3.0RHS	C450L0	4.25	2670	2670	2670	2670	2620
65x35x2.5RHS	C450L0	3.60	2500	2500	2500	2500	2400
65x35x2.0RHS	C450L0	2.93	2290	2290	2290	2220	2050
50x25x3.0RHS	C450L0	3.07	1570	1570	1570	1570	1570
50x25x2.5RHS	C450L0	2.62	1490	1490	1490	1490	1490
50x25x2.0RHS	C450L0	2.15	1380	1380	1380	1380	1380
50x25x1.6RHS	C450L0	1.75	1260	1260	1260	1260	1260
65x65x1.6SHS	C450L0	3.13	3990	3450	3080	2810	2600
50x50x2.5SHS	C450L0	3.60	3380	3380	3310	3020	2790
50x50x2.0SHS	C450L0	2.93	3090	3090	2980	2720	2520
50x50x1.6SHS	C450L0	2.38	2810	2810	2530	2310	2140
40x40x4.0SHS	C450L0	4.09	2660	2660	2660	2660	2550
40x40x3.0SHS	C450L0	3.30	2510	2510	2510	2510	2350
40x40x2.5SHS	C450L0	2.82	2350	2350	2350	2350	2190
40x40x2.0SHS	C450L0	2.31	2160	2160	2160	2150	1990
40x40x1.6SHS	C450L0	1.88	1980	1980	1980	1940	1800
35x35x3.0SHS	C450L0	2.83	2000	2000	2000	2000	2000
35x35x2.5SHS	C450L0	2.42	1890	1890	1890	1890	1890
35x35x2.0SHS	C450L0	1.99	1740	1740	1740	1740	1720
35x35x1.6SHS	C450L0	1.63	1600	1600	1600	1600	1570
30x30x2.5SHS	C450L0	2.03	1460	1460	1460	1460	1460
30x30x2.0SHS	C450L0	1.68	1350	1350	1350	1350	1350
30x30x1.6SHS	C450L0	1.38	1250	1250	1250	1250	1250
25x25x3.0SHS	C450L0	1.89	1110	1110	1110	1110	1110
25x25x2.5SHS	C450L0	1.64	1070	1070	1070	1070	1070
25x25x2.0SHS	C450L0	1.36	1000	1000	1000	1000	1000
25x25x1.6SHS	C450L0	1.12	930	930	930	930	930

## Ceiling joists

Applied loads and deflection limits used to generate the table on page 87.

Roof	Load		Deflection (mm)	
	Dead load ( $G$ ) (kPa)	Live load ( $Q$ ) (kN)	Dead load ( $G$ )	Live load ( $Q = 1.1\text{kN}$ )
Ceiling only	0.13	1.1	Span / 300 to 12mm	Span / 270 to 15mm



Maximum ceiling Joist Span (mm)		
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DuraGalPlus section	Grade	Mass kg/m	Ceiling joist spacing* (mm) for					
			Single span			Continuous span		
450	600	900	450	600	900	450	600	900
150x50x6.0RHS	C450L0	16.7	8040	7880	7590	9730	9730	9450
150x50x5.0RHS	C450L0	14.2	8020	7830	7510	9310	9310	9310
150x50x4.0RHS	C450L0	11.6	7880	7740	7390	8790	8790	8790
150x50x3.0RHS	C450L0	8.96	7310	7310	7200	8160	8160	8160
150x50x2.5RHS	C450L0	7.53	6930	6930	6930	7730	7730	7730
150x50x2.0RHS	C450L0	6.07	6480	6480	6480	7230	7230	7230
125x75x6.0RHS	C450L0	16.7	7660	7500	7230	9110	9110	9000
125x75x5.0RHS	C450L0	14.2	7630	7450	7150	8720	8720	8720
125x75x4.0RHS	C450L0	11.6	7370	7360	7030	8220	8220	8220
125x75x3.0RHS	C450L0	8.96	6820	6820	6820	7610	7610	7610
125x75x2.5RHS	C450L0	7.53	6470	6470	6470	7210	7210	7210
125x75x2.0RHS	C450L0	6.07	6040	6040	6040	6740	6740	6740
100x50x5.0RHS	C450L0	10.3	5850	5850	5850	6520	6520	6520
100x50x4.0RHS	C450L0	8.49	5550	5550	5550	6190	6190	6190
100x50x3.5RHS	C450L0	7.53	5370	5370	5370	5990	5990	5990
100x50x3.0RHS	C450L0	6.60	5180	5180	5180	5780	5780	5780
100x50x2.5RHS	C450L0	5.56	4920	4920	4920	5490	5490	5490
100x50x2.0RHS	C450L0	4.50	4610	4610	4610	5150	5150	5150
100x50x1.6RHS	C450L0	3.64	4310	4310	4310	4810	4810	4810
75x50x5.0RHS	C450L0	8.35	4560	4560	4560	5090	5090	5090
75x50x4.0RHS	C450L0	6.92	4350	4350	4350	4860	4860	4860
75x50x3.0RHS	C450L0	5.42	4090	4090	4090	4560	4560	4560
75x50x2.5RHS	C450L0	4.58	3810	3810	3810	4340	4340	4340
75x50x2.0RHS	C450L0	3.72	3470	3470	3470	4070	4070	4070
75x50x1.6RHS	C450L0	3.01	3140	3140	3140	3700	3700	3700
75x25x2.5RHS	C450L0	3.60	3040	3040	3040	3580	3580	3580
75x25x2.0RHS	C450L0	2.93	2780	2780	2780	3270	3270	3270
75x25x1.6RHS	C450L0	2.38	2530	2530	2530	2980	2980	2980
65x35x4.0RHS	C450L0	5.35	3260	3260	3260	3840	3840	3840
65x35x3.0RHS	C450L0	4.25	3010	3010	3010	3550	3550	3550
65x35x2.5RHS	C450L0	3.60	2810	2810	2810	3310	3310	3310
65x35x2.0RHS	C450L0	2.93	2570	2570	2570	3030	3030	3030
50x25x3.0RHS	C450L0	3.07	1900	1900	1900	2240	2240	2240
50x25x2.5RHS	C450L0	2.62	1790	1790	1790	2110	2110	2110
50x25x2.0RHS	C450L0	2.15	1650	1650	1650	1940	1940	1940
50x25x1.6RHS	C450L0	1.75	1510	1510	1510	1780	1780	1780



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