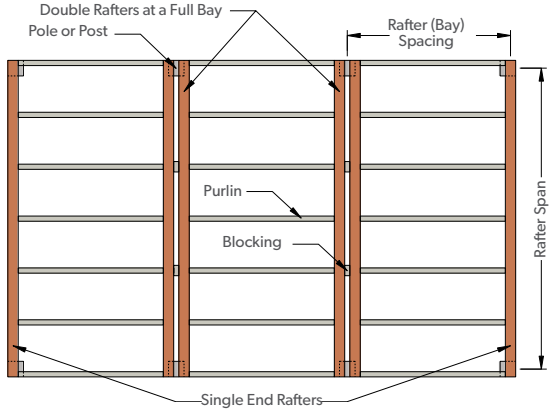


# Selection Charts

**Table 1**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof - Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 0.4 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



|            |                    | Rafter (Bay) Spacing (m)                | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4  | 6.0  | 6.6  | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|------------|--------------------|---|-------------------------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|
|            |                    | Rafter Size                             | Maximum Rafter Span (m) |      |      |      |      |      |      |     |     |     |     |     |      |
| <b>PL8</b> | <b>Low Wind</b>    | <b>2/PLVL8H3-300100</b><br>2/290 x 88mm | 7.6                     | 7.2  | 6.9  | 6.7  | 6.5  | 6.3  | 6.2  | 6.0 | 5.8 | 5.7 | 5.6 | 5.5 | 5.5  |
|            |                    | <b>2/PLVL8H3-350100</b><br>2/315 x 88mm | 8.0                     | 7.7  | 7.4  | 7.2  | 6.9  | 6.8  | 6.6  | 6.4 | 6.3 | 6.2 | 6.1 | 6.0 | 5.9  |
|            |                    | <b>2/PLVL8H3-400100</b><br>2/315 x 88mm | 8.8                     | 8.5  | 8.2  | 7.9  | 7.7  | 7.5  | 7.3  | 7.1 | 7.0 | 6.8 | 6.7 | 6.7 | 6.6  |
|            |                    | <b>2/PLVL8H3-450100</b><br>2/405 x 88mm | 9.5                     | 9.2  | 9.0  | 8.7  | 8.4  | 8.2  | 8.0  | 7.8 | 7.6 | 7.5 | 7.4 | 7.3 | 7.2  |
|            |                    | <b>2/PLVL8H3-500100</b><br>2/450 x 88mm | 10.2                    | 9.9  | 9.6  | 9.4  | 9.1  | 8.9  | 8.7  | 8.5 | 8.2 | 8.1 | 8.0 | 7.9 | 7.8  |
|            |                    | <b>2/PLVL8H3-550100</b><br>2/495 x 88mm | 10.9                    | 10.6 | 10.3 | 10.1 | 9.8  | 9.5  | 9.3  | 9.1 | 8.9 | 8.7 | 8.6 | 8.5 | 8.4  |
|            | <b>Medium Wind</b> | <b>2/PLVL8H3-300100</b><br>2/290 x 88mm | 11.5                    | 11.2 | 10.9 | 10.7 | 10.4 | 10.2 | 10.0 | 9.7 | 9.5 | 9.3 | 9.2 | 9.1 | 9.0  |
|            |                    | <b>2/PLVL8H3-350100</b><br>2/315 x 88mm | 7.0                     | 6.7  | 6.4  | 6.2  | 6.0  | 5.9  | 5.7  | 5.6 | 5.5 | 5.4 | 5.3 | 5.2 | 5.2  |
|            |                    | <b>2/PLVL8H3-350100</b><br>2/315 x 88mm | 7.5                     | 7.1  | 6.9  | 6.6  | 6.4  | 6.3  | 6.1  | 6.0 | 5.8 | 5.7 | 5.7 | 5.6 | 5.5  |
|            |                    | <b>2/PLVL8H3-400100</b><br>2/360 x 88mm | 8.3                     | 7.9  | 7.6  | 7.4  | 7.1  | 6.9  | 6.8  | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1  |
|            |                    | <b>2/PLVL8H3-450100</b><br>2/405 x 88mm | 9.1                     | 8.7  | 8.3  | 8.0  | 7.8  | 7.6  | 7.4  | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.7  |
|            |                    | <b>2/PLVL8H3-500100</b><br>2/450 x 88mm | 9.8                     | 9.4  | 9.0  | 8.7  | 8.5  | 8.2  | 8.0  | 7.9 | 7.7 | 7.5 | 7.4 | 7.3 | 7.2  |
|            |                    | <b>2/PLVL8H3-550100</b><br>2/495 x 88mm | 10.6                    | 10.1 | 9.7  | 9.4  | 9.1  | 8.9  | 8.7  | 8.5 | 8.2 | 8.1 | 8.0 | 7.9 | 7.8  |
|            |                    | <b>2/PLVL8H3-600100</b><br>2/540 x 88mm | 11.3                    | 10.8 | 10.4 | 10   | 9.7  | 9.5  | 9.2  | 9.0 | 8.8 | 8.7 | 8.5 | 8.4 | 8.3  |

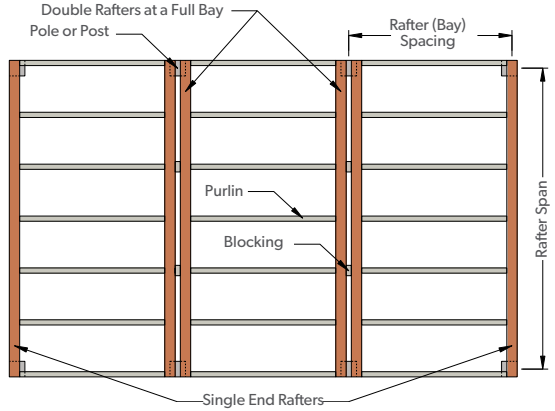
These span tables apply only to Prolam products

# Selection Charts

**Table 2**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof- Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 0.4 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



| Rafter (Bay) Spacing (m) | 3.0                     | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|--------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Rafter Size              | Maximum Rafter Span (m) |     |     |     |     |     |     |     |     |     |     |     |      |

| PL8              | High Wind        | 2/PLV18H3-300100 | 2/290 x 88mm     | 6.4          | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.3 | 5.1 | 5.0 | 4.9 | 4.9 | 4.8 | 4.7 |
|------------------|------------------|------------------|------------------|--------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                  |                  | Very High Wind   | 2/PLV18H3-350100 | 2/315 x 88mm | 6.9 | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.6 | 5.5 | 5.3 | 5.2 | 5.2 | 5.1 |
| 2/PLV18H3-400100 | 2/360 x 88mm     |                  | 7.6              | 7.2          | 7.0 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.7 | 5.7 | 5.6 |     |
| Extra High Wind  | 2/PLV18H3-450100 | 2/405 x 88mm     | 8.3              | 7.9          | 7.6 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1 |     |
|                  | 2/PLV18H3-500100 | 2/450 x 88mm     | 9.0              | 8.6          | 8.3 | 8.0 | 7.8 | 7.5 | 7.4 | 7.2 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6 |     |
|                  | 2/PLV18H3-550100 | 2/495 x 88mm     | 9.7              | 9.2          | 8.9 | 8.6 | 8.3 | 8.1 | 7.9 | 7.7 | 7.5 | 7.4 | 7.3 | 7.2 | 7.1 |     |
|                  | 2/PLV18H3-600100 | 2/540 x 88mm     | 10.3             | 9.9          | 9.5 | 9.2 | 8.9 | 8.7 | 8.5 | 8.3 | 8.1 | 7.9 | 7.8 | 7.7 | 7.6 |     |
|                  | 2/PLV18H3-300100 | 2/290 x 88mm     | 6.0              | 5.7          | 5.5 | 5.3 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4 | 4.4 | 4.2 |     |
|                  | 2/PLV18H3-350100 | 2/315 x 88mm     | 6.4              | 6.1          | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 4.9 | 4.8 | 4.8 | 4.6 |     |
|                  | 2/PLV18H3-400100 | 2/360 x 88mm     | 7.1              | 6.8          | 6.5 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 5.4 | 5.3 | 5.2 |     |
|                  | 2/PLV18H3-450100 | 2/405 x 88mm     | 7.8              | 7.4          | 7.1 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 6.0 | 5.9 | 5.8 | 5.7 |     |
|                  | 2/PLV18H3-500100 | 2/450 x 88mm     | 8.4              | 8.1          | 7.7 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.6 | 6.5 | 6.4 | 6.3 | 6.2 |     |
|                  | 2/PLV18H3-550100 | 2/495 x 88mm     | 9.1              | 8.7          | 8.3 | 8.0 | 7.8 | 7.6 | 7.4 | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.7 |     |
|                  | 2/PLV18H3-600100 | 2/540 x 88mm     | 9.7              | 9.3          | 8.9 | 8.6 | 8.3 | 8.1 | 7.9 | 7.8 | 7.6 | 7.4 | 7.3 | 7.2 | 7.1 |     |
|                  | 2/PLV18H3-300100 | 2/290 x 88mm     | 5.7              | 5.5          | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5 | 4.3 | 4.1 | 4.0 | 3.9 | 3.8 |     |
|                  | 2/PLV18H3-350100 | 2/315 x 88mm     | 6.1              | 5.8          | 5.6 | 5.4 | 5.3 | 5.1 | 5.0 | 4.9 | 4.6 | 4.5 | 4.4 | 4.2 | 4.1 |     |
|                  | 2/PLV18H3-400100 | 2/360 x 88mm     | 6.8              | 6.5          | 6.2 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 5.3 | 5.1 | 5.0 | 4.8 | 4.7 |     |
|                  | 2/PLV18H3-450100 | 2/405 x 88mm     | 7.4              | 7.1          | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.7 | 5.5 | 5.4 | 5.2 |     |
|                  | 2/PLV18H3-500100 | 2/450 x 88mm     | 8.0              | 7.7          | 7.4 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.3 | 6.2 | 6.0 | 5.8 | 5.7 |     |
|                  | 2/PLV18H3-550100 | 2/495 x 88mm     | 8.6              | 8.2          | 7.9 | 7.7 | 7.4 | 7.2 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.1 |     |
|                  | 2/PLV18H3-600100 | 2/540 x 88mm     | 9.2              | 8.8          | 8.5 | 8.2 | 8.0 | 7.7 | 7.6 | 7.4 | 7.2 | 6.9 | 6.7 | 6.5 | 6.1 |     |

These span tables apply only to Prolam products

# Selection Charts

**Table 3**
**Prolam® Shed Rafter (Beam) (Dry Use)**

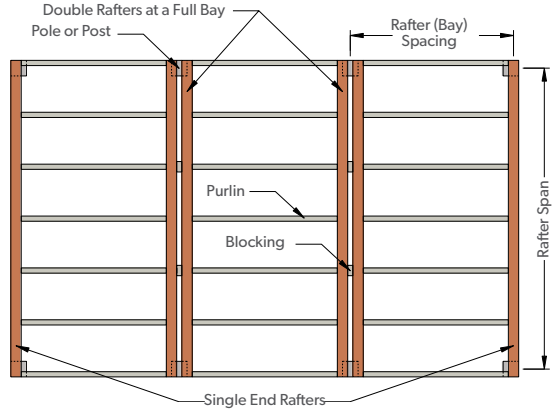
Light Roof - Up To 25 degrees pitch

No Ceiling

Roof Snow Load 0.9 kPa

Double rafters at a full bay and single at the end.

The double rafters are to be blocked between at centres not exceeding 2.5 m.



|     |             | Rafter (Bay) Spacing (m)         | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4  | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|-----|-------------|----------------------------------|-------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|
|     |             | Rafter Size                      | Maximum Rafter Span (m) |      |      |      |      |     |     |     |     |     |     |     |      |
| PL8 | Low Wind    | 2/PLVL8H3-300100<br>2/290 x 88mm | 7.4                     | 7.0  | 6.5  | 6.1  | 5.8  | 5.5 | 5.2 | 5.0 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3  |
|     |             | 2/PLVL8H3-350100<br>2/315 x 88mm | 7.8                     | 7.5  | 7.1  | 6.6  | 6.3  | 6.0 | 5.7 | 5.5 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6  |
|     |             | 2/PLVL8H3-400100<br>2/315 x 88mm | 8.7                     | 8.3  | 8.0  | 7.6  | 7.2  | 6.8 | 6.5 | 6.2 | 5.9 | 5.8 | 5.6 | 5.4 | 5.3  |
|     |             | 2/PLVL8H3-450100<br>2/405 x 88mm | 9.5                     | 9.1  | 8.7  | 8.4  | 8.1  | 7.7 | 7.3 | 7.0 | 6.7 | 6.5 | 6.3 | 6.1 | 6.0  |
|     |             | 2/PLVL8H3-500100<br>2/450 x 88mm | 10.2                    | 9.8  | 9.4  | 9.1  | 8.9  | 8.5 | 8.1 | 7.8 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6  |
|     |             | 2/PLVL8H3-550100<br>2/495 x 88mm | 10.9                    | 10.6 | 10.2 | 9.8  | 9.5  | 9.3 | 8.9 | 8.5 | 8.1 | 7.9 | 7.6 | 7.4 | 7.3  |
|     | Medium Wind | 2/PLVL8H3-600100<br>2/540 x 88mm | 11.5                    | 11.2 | 10.9 | 10.5 | 10.2 | 9.9 | 9.6 | 9.2 | 8.8 | 8.5 | 8.3 | 8.1 | 7.9  |
|     |             | 2/PLVL8H3-300100<br>2/290 x 88mm | 7.0                     | 6.7  | 6.4  | 6.1  | 5.8  | 5.5 | 5.2 | 5.0 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3  |
|     |             | 2/PLVL8H3-350100<br>2/315 x 88mm | 7.5                     | 7.1  | 6.9  | 6.6  | 6.3  | 6.0 | 5.7 | 5.5 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6  |
|     |             | 2/PLVL8H3-400100<br>2/360 x 88mm | 8.3                     | 7.9  | 7.6  | 7.4  | 7.1  | 6.8 | 6.5 | 6.2 | 5.9 | 5.8 | 5.6 | 5.4 | 5.3  |
|     |             | 2/PLVL8H3-450100<br>2/405 x 88mm | 9.1                     | 8.7  | 8.3  | 8.0  | 7.8  | 7.6 | 7.3 | 7.0 | 6.7 | 6.5 | 6.3 | 6.1 | 6.0  |
|     |             | 2/PLVL8H3-500100<br>2/450 x 88mm | 9.8                     | 9.4  | 9.0  | 8.7  | 8.5  | 8.2 | 8.0 | 7.8 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6  |
|     |             | 2/PLVL8H3-550100<br>2/495 x 88mm | 10.6                    | 10.1 | 9.7  | 9.4  | 9.1  | 8.9 | 8.7 | 8.5 | 8.1 | 7.9 | 7.6 | 7.4 | 7.3  |
|     |             | 2/PLVL8H3-600100<br>2/540 x 88mm | 11.3                    | 10.8 | 10.4 | 10.0 | 9.7  | 9.5 | 9.2 | 9.0 | 8.8 | 8.5 | 8.3 | 8.1 | 7.9  |

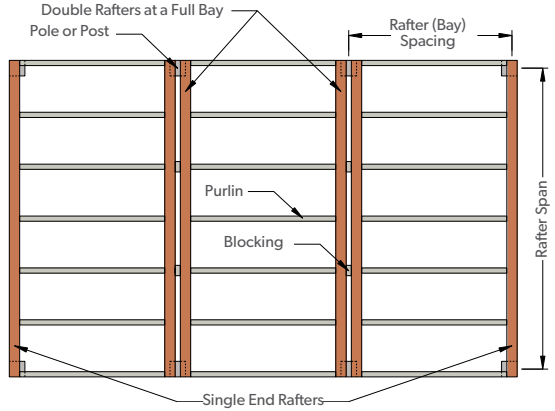
These span tables apply only to Prolam products

# Selection Charts

**Table 4**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof - Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 0.9 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



|            |                        | Rafter (Bay) Spacing (m)         | 3.0                     | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|------------|------------------------|----------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|            |                        | Rafter Size                      | Maximum Rafter Span (m) |     |     |     |     |     |     |     |     |     |     |     |      |
| <b>PL8</b> | <b>High Wind</b>       | 2/PLVL8H3-300100<br>2/290 x 88mm | 6.4                     | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.0 | 4.8 | 4.6 | 4.5 | 4.4 | 4.3  |
|            |                        | 2/PLVL8H3-350100<br>2/315 x 88mm | 6.9                     | 6.5 | 6.3 | 6.1 | 5.9 | 5.7 | 5.6 | 5.5 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6  |
|            |                        | 2/PLVL8H3-400100<br>2/360 x 88mm | 7.6                     | 7.2 | 7.0 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.6 | 5.4 | 5.3  |
|            |                        | 2/PLVL8H3-450100<br>2/405 x 88mm | 8.3                     | 7.9 | 7.6 | 7.4 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.4 | 6.3 | 6.1 | 6.0  |
|            |                        | 2/PLVL8H3-500100<br>2/450 x 88mm | 9.0                     | 8.6 | 8.3 | 8.0 | 7.8 | 7.5 | 7.4 | 7.2 | 7.0 | 6.9 | 6.8 | 6.7 | 6.6  |
|            |                        | 2/PLVL8H3-550100<br>2/495 x 88mm | 9.7                     | 9.2 | 8.9 | 8.6 | 8.3 | 8.1 | 7.9 | 7.7 | 7.5 | 7.4 | 7.3 | 7.2 | 7.1  |
|            | <b>Very High Wind</b>  | 2/PLVL8H3-600100<br>2/540 x 88mm | 10.3                    | 9.9 | 9.5 | 9.2 | 8.9 | 8.7 | 8.5 | 8.3 | 8.1 | 7.9 | 7.8 | 7.7 | 7.6  |
|            |                        | 2/PLVL8H3-300100<br>2/290 x 88mm | 6.0                     | 5.7 | 5.5 | 5.3 | 5.2 | 5.0 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4 | 4.4 | 4.2  |
|            |                        | 2/PLVL8H3-350100<br>2/315 x 88mm | 6.4                     | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 4.9 | 4.8 | 4.8 | 4.6  |
|            |                        | 2/PLVL8H3-400100<br>2/360 x 88mm | 7.1                     | 6.8 | 6.5 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 5.4 | 5.3 | 5.2  |
|            |                        | 2/PLVL8H3-450100<br>2/405 x 88mm | 7.8                     | 7.4 | 7.1 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 6.0 | 5.9 | 5.8 | 5.7  |
|            |                        | 2/PLVL8H3-500100<br>2/450 x 88mm | 8.4                     | 8.1 | 7.7 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.6 | 6.5 | 6.4 | 6.3 | 6.2  |
|            | <b>Extra High Wind</b> | 2/PLVL8H3-550100<br>2/495 x 88mm | 9.1                     | 8.7 | 8.3 | 8.0 | 7.8 | 7.6 | 7.4 | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.7  |
|            |                        | 2/PLVL8H3-600100<br>2/540 x 88mm | 9.7                     | 9.3 | 8.9 | 8.6 | 8.3 | 8.1 | 7.9 | 7.8 | 7.6 | 7.4 | 7.3 | 7.2 | 7.1  |
|            |                        | 2/PLVL8H3-300100<br>2/290 x 88mm | 5.7                     | 5.5 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5 | 4.3 | 4.1 | 4.0 | 3.9 | 3.8  |
|            |                        | 2/PLVL8H3-350100<br>2/315 x 88mm | 6.1                     | 5.8 | 5.6 | 5.4 | 5.3 | 5.1 | 5.0 | 4.9 | 4.6 | 4.5 | 4.4 | 4.2 | 4.1  |
|            |                        | 2/PLVL8H3-400100<br>2/360 x 88mm | 6.8                     | 6.5 | 6.2 | 6.0 | 5.8 | 5.7 | 5.5 | 5.4 | 5.3 | 5.1 | 5.0 | 4.8 | 4.7  |
|            |                        | 2/PLVL8H3-450100<br>2/405 x 88mm | 7.4                     | 7.1 | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.7 | 5.5 | 5.4 | 5.2  |
|            |                        | 2/PLVL8H3-500100<br>2/450 x 88mm | 8.0                     | 7.7 | 7.4 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.3 | 6.2 | 6.0 | 5.8 | 5.7  |
|            |                        | 2/PLVL8H3-550100<br>2/495 x 88mm | 8.6                     | 8.2 | 7.9 | 7.7 | 7.4 | 7.2 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.1  |
|            |                        | 2/PLVL8H3-600100<br>2/540 x 88mm | 9.2                     | 8.8 | 8.5 | 8.2 | 8.0 | 7.7 | 7.6 | 7.4 | 7.2 | 6.9 | 6.7 | 6.5 | 6.1  |

These span tables apply only to Prolam products

# Selection Charts

**Table 5**

**Prolam® Shed Rafter (Beam) (Dry Use)**

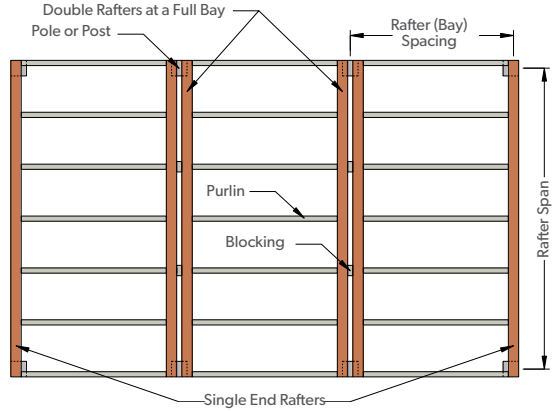
Light Roof - Up To 25 degrees pitch

No Ceiling

Roof Snow Load 1.35 kPa

Double rafters at a full bay and single at the end.

The double rafters are to be blocked between at centres not exceeding 2.5 m.



|     |                                  | Rafter (Bay) Spacing (m)         | 3.0                     | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|-----|----------------------------------|----------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|     |                                  | Rafter Size                      | Maximum Rafter Span (m) |     |     |     |     |     |     |     |     |     |     |     |      |
| PL8 | Low Wind                         | 2/PLVL8H3-300100<br>2/290 x 88mm | 6.6                     | 6.0 | 5.6 | 5.2 | 4.9 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6  |
|     |                                  | 2/PLVL8H3-350100<br>2/315 x 88mm | 7.1                     | 6.6 | 6.1 | 5.7 | 5.4 | 5.1 | 4.9 | 4.7 | 4.4 | 4.3 | 4.2 | 4.1 | 3.9  |
|     |                                  | 2/PLVL8H3-400100<br>2/360 x 88mm | 7.8                     | 7.5 | 6.9 | 6.5 | 6.1 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5  |
|     |                                  | 2/PLVL8H3-450100<br>2/405 x 88mm | 8.6                     | 8.2 | 7.8 | 7.3 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1  |
|     |                                  | 2/PLVL8H3-500100<br>2/450 x 88mm | 9.3                     | 8.9 | 8.5 | 8.1 | 7.7 | 7.3 | 6.9 | 6.7 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7  |
|     |                                  | 2/PLVL8H3-550100<br>2/495 x 88mm | 10.0                    | 9.5 | 9.2 | 8.9 | 8.4 | 8.0 | 7.6 | 7.3 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2  |
|     | 2/PLVL8H3-600100<br>2/540 x 88mm | 10.7                             | 10.2                    | 9.8 | 9.5 | 9.1 | 8.6 | 8.3 | 7.9 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 |      |
|     | Medium Wind                      | 2/PLVL8H3-300100<br>2/290 x 88mm | 6.6                     | 6.0 | 5.6 | 5.2 | 4.9 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6  |
|     |                                  | 2/PLVL8H3-350100<br>2/315 x 88mm | 7.1                     | 6.6 | 6.1 | 5.7 | 5.4 | 5.1 | 4.9 | 4.7 | 4.4 | 4.3 | 4.2 | 4.1 | 3.9  |
|     |                                  | 2/PLVL8H3-400100<br>2/360 x 88mm | 7.8                     | 7.5 | 6.9 | 6.5 | 6.1 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5  |
|     |                                  | 2/PLVL8H3-450100<br>2/405 x 88mm | 8.6                     | 8.2 | 7.8 | 7.3 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1  |
|     |                                  | 2/PLVL8H3-500100<br>2/450 x 88mm | 9.3                     | 8.9 | 8.5 | 8.1 | 7.7 | 7.3 | 6.9 | 6.7 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7  |
|     |                                  | 2/PLVL8H3-550100<br>2/495 x 88mm | 10.0                    | 9.5 | 9.2 | 8.9 | 8.4 | 8.0 | 7.6 | 7.3 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2  |
|     | 2/PLVL8H3-600100<br>2/540 x 88mm | 10.7                             | 10.2                    | 9.8 | 9.5 | 9.1 | 8.6 | 8.3 | 7.9 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 |      |

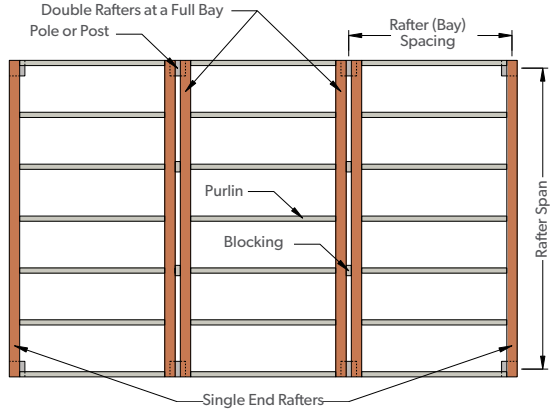
These span tables apply only to Prolam products

# Selection Charts

**Table 6**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof - Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 1.35 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



|     |                 | Rafter (Bay) Spacing (m)         | 3.0                     | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|-----|-----------------|----------------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|     |                 | Rafter Size                      | Maximum Rafter Span (m) |     |     |     |     |     |     |     |     |     |     |     |      |
| PL8 | High Wind       | 2/PLV18H3-300100<br>2/290 x 88mm | 6.4                     | 6.0 | 5.6 | 5.2 | 4.9 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6  |
|     |                 | 2/PLV18H3-350100<br>2/315 x 88mm | 6.9                     | 6.5 | 6.1 | 5.7 | 5.4 | 5.1 | 4.9 | 4.7 | 4.4 | 4.3 | 4.2 | 4.1 | 3.9  |
|     |                 | 2/PLV18H3-400100<br>2/360 x 88mm | 7.6                     | 7.2 | 6.9 | 6.5 | 6.1 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5  |
|     |                 | 2/PLV18H3-450100<br>2/405 x 88mm | 8.3                     | 7.9 | 7.6 | 7.3 | 6.9 | 6.6 | 6.3 | 6.0 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1  |
|     |                 | 2/PLV18H3-500100<br>2/450 x 88mm | 9.0                     | 8.6 | 8.3 | 8.0 | 7.7 | 7.3 | 6.9 | 6.7 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7  |
|     |                 | 2/PLV18H3-550100<br>2/495 x 88mm | 9.7                     | 9.2 | 8.9 | 8.6 | 8.3 | 8.0 | 7.6 | 7.3 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2  |
|     | Very High Wind  | 2/PLV18H3-600100<br>2/540 x 88mm | 10.3                    | 9.9 | 9.5 | 9.2 | 8.9 | 8.6 | 8.3 | 7.9 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7  |
|     |                 | 2/PLV18H3-300100<br>2/290 x 88mm | 6.0                     | 5.7 | 5.5 | 5.2 | 4.9 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6  |
|     |                 | 2/PLV18H3-350100<br>2/315 x 88mm | 6.4                     | 6.1 | 5.9 | 5.7 | 5.4 | 5.1 | 4.9 | 4.7 | 4.4 | 4.3 | 4.2 | 4.1 | 3.9  |
|     |                 | 2/PLV18H3-400100<br>2/360 x 88mm | 7.1                     | 6.8 | 6.5 | 6.3 | 6.1 | 5.8 | 5.6 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5  |
|     |                 | 2/PLV18H3-450100<br>2/405 x 88mm | 7.8                     | 7.4 | 7.1 | 6.9 | 6.7 | 6.5 | 6.3 | 6.0 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1  |
|     |                 | 2/PLV18H3-500100<br>2/450 x 88mm | 8.4                     | 8.1 | 7.7 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7  |
|     | Extra High Wind | 2/PLV18H3-550100<br>2/495 x 88mm | 9.1                     | 8.7 | 8.3 | 8.0 | 7.8 | 7.6 | 7.4 | 7.3 | 6.9 | 6.7 | 6.5 | 6.4 | 6.2  |
|     |                 | 2/PLV18H3-600100<br>2/540 x 88mm | 9.7                     | 9.3 | 8.9 | 8.6 | 8.3 | 8.1 | 7.9 | 7.8 | 7.5 | 7.3 | 7.1 | 6.9 | 6.7  |
|     |                 | 2/PLV18H3-300100<br>2/290 x 88mm | 5.7                     | 5.5 | 5.3 | 5.1 | 4.9 | 4.7 | 4.5 | 4.3 | 4.1 | 3.9 | 3.8 | 3.7 | 3.6  |
|     |                 | 2/PLV18H3-350100<br>2/315 x 88mm | 6.1                     | 5.8 | 5.6 | 5.4 | 5.3 | 5.1 | 4.9 | 4.7 | 4.4 | 4.3 | 4.2 | 4.1 | 3.9  |
|     |                 | 2/PLV18H3-400100<br>2/360 x 88mm | 6.8                     | 6.5 | 6.2 | 6.0 | 5.8 | 5.7 | 5.5 | 5.3 | 5.1 | 4.9 | 4.8 | 4.6 | 4.5  |
|     |                 | 2/PLV18H3-450100<br>2/405 x 88mm | 7.4                     | 7.1 | 6.8 | 6.6 | 6.4 | 6.2 | 6.1 | 5.9 | 5.7 | 5.5 | 5.4 | 5.2 | 5.1  |
|     |                 | 2/PLV18H3-500100<br>2/450 x 88mm | 8.0                     | 7.7 | 7.4 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.3 | 6.1 | 6.0 | 5.8 | 5.7  |
|     |                 | 2/PLV18H3-550100<br>2/495 x 88mm | 8.6                     | 8.2 | 7.9 | 7.7 | 7.4 | 7.2 | 7.1 | 6.9 | 6.7 | 6.6 | 6.4 | 6.2 | 6.1  |
|     |                 | 2/PLV18H3-600100<br>2/540 x 88mm | 9.2                     | 8.8 | 8.5 | 8.2 | 8.0 | 7.7 | 7.6 | 7.4 | 7.2 | 6.9 | 6.7 | 6.5 | 6.1  |

These span tables apply only to Prolam products

# Selection Charts

**Table 7**

**Prolam® Shed Rafter (Beam) (Dry Use)**

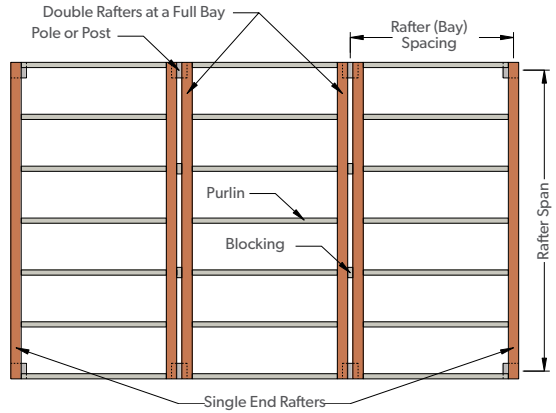
Light Roof - Up To 25 degrees pitch

No Ceiling

Roof Snow Load 0.4 kPa

Double rafters at a full bay and single at the end.

The double rafters are to be blocked between at centres not exceeding 2.5 m.



|             |                                   | Rafter (Bay) Spacing (m)          | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4  | 6.0  | 6.6  | 7.2  | 8.0  | 8.5  | 9.0  | 9.5 | 10.0 |
|-------------|-----------------------------------|-----------------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|-----|------|
|             |                                   | Rafter Size                       | Maximum Rafter Span (m) |      |      |      |      |      |      |      |      |      |      |     |      |
| PL12        | Low Wind                          | 2/PLVL12H3-300100<br>2/290 x 88mm | 8.3                     | 7.9  | 7.6  | 7.4  | 7.1  | 7.0  | 6.8  | 6.6  | 6.5  | 6.4  | 6.3  | 6.2 | 6.1  |
|             |                                   | 2/PLVL12H3-350100<br>2/315 x 88mm | 8.8                     | 8.4  | 8.1  | 7.8  | 7.6  | 7.4  | 7.2  | 7.1  | 6.9  | 6.8  | 6.7  | 6.6 | 6.5  |
|             |                                   | 2/PLVL12H3-400100<br>2/360 x 88mm | 9.6                     | 9.3  | 9.0  | 8.7  | 8.4  | 8.2  | 8.0  | 7.8  | 7.6  | 7.5  | 7.4  | 7.3 | 7.2  |
|             |                                   | 2/PLVL12H3-450100<br>2/405 x 88mm | 10.4                    | 10.1 | 9.8  | 9.5  | 9.2  | 9.0  | 8.8  | 8.6  | 8.3  | 8.2  | 8.1  | 8.0 | 7.9  |
|             |                                   | 2/PLVL12H3-500100<br>2/450 x 88mm | 11.2                    | 10.8 | 10.5 | 10.3 | 10.0 | 9.7  | 9.5  | 9.3  | 9.0  | 8.9  | 8.8  | 8.7 | 8.5  |
|             | Medium Wind                       | 2/PLVL12H3-550100<br>2/495 x 88mm | 11.9                    | 11.6 | 11.3 | 11.0 | 10.7 | 10.5 | 10.2 | 10.0 | 9.7  | 9.6  | 9.4  | 9.3 | 9.2  |
|             |                                   | 2/PLVL12H3-600100<br>2/540 x 88mm | 12.6                    | 12.2 | 11.9 | 11.7 | 11.4 | 11.2 | 10.9 | 10.7 | 10.4 | 10.2 | 10.1 | 9.9 | 9.8  |
|             |                                   | 2/PLVL12H3-300100<br>2/290 x 88mm | 7.7                     | 7.4  | 7.1  | 6.8  | 6.6  | 6.5  | 6.3  | 6.2  | 6.0  | 5.9  | 5.8  | 5.7 | 5.7  |
|             |                                   | 2/PLVL12H3-350100<br>2/315 x 88mm | 8.2                     | 7.8  | 7.5  | 7.3  | 7.1  | 6.9  | 6.7  | 6.6  | 6.4  | 6.3  | 6.2  | 6.1 | 6.0  |
|             |                                   | 2/PLVL12H3-400100<br>2/360 x 88mm | 9.1                     | 8.7  | 8.3  | 8.1  | 7.8  | 7.6  | 7.4  | 7.3  | 7.1  | 7.0  | 6.9  | 6.8 | 6.7  |
| Medium Wind | 2/PLVL12H3-450100<br>2/405 x 88mm | 9.9                               | 9.5                     | 9.1  | 8.8  | 8.6  | 8.3  | 8.1  | 8.0  | 7.8  | 7.6  | 7.5  | 7.4  | 7.3 |      |
|             | 2/PLVL12H3-500100<br>2/450 x 88mm | 10.8                              | 10.3                    | 9.9  | 9.6  | 9.3  | 9.0  | 8.8  | 8.6  | 8.4  | 8.3  | 8.2  | 8.0  | 7.9 |      |
|             | 2/PLVL12H3-550100<br>2/495 x 88mm | 11.6                              | 11.1                    | 10.6 | 10.3 | 10.0 | 9.7  | 9.5  | 9.3  | 9.0  | 8.9  | 8.8  | 8.6  | 8.5 |      |
|             | 2/PLVL12H3-600100<br>2/540 x 88mm | 12.4                              | 11.8                    | 11.4 | 11.0 | 10.7 | 10.4 | 10.1 | 9.9  | 9.7  | 9.5  | 9.4  | 9.2  | 9.1 |      |

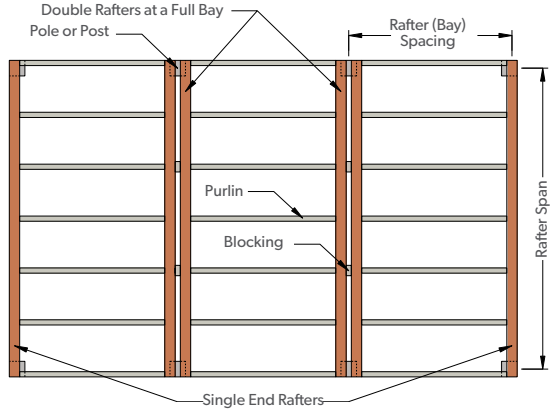
These span tables apply only to Prolam products

# Selection Charts

**Table 8**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof- Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 0.4 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



|      |                 | Rafter (Bay) Spacing (m)          | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|------|-----------------|-----------------------------------|-------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|      |                 | Rafter Size                       | Maximum Rafter Span (m) |      |      |      |     |     |     |     |     |     |     |     |      |
| PL12 | High Wind       | 2/PLVL12H3-300100<br>2/290 x 88mm | 7.1                     | 6.7  | 6.5  | 6.3  | 6.1 | 5.9 | 5.8 | 5.6 | 5.5 | 5.4 | 5.3 | 5.3 | 5.2  |
|      |                 | 2/PLVL12H3-350100<br>2/315 x 88mm | 7.5                     | 7.2  | 6.9  | 6.7  | 6.5 | 6.3 | 6.1 | 6.0 | 5.9 | 5.8 | 5.7 | 5.6 | 5.5  |
|      |                 | 2/PLVL12H3-400100<br>2/360 x 88mm | 8.3                     | 7.9  | 7.6  | 7.4  | 7.2 | 7.0 | 6.8 | 6.7 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1  |
|      |                 | 2/PLVL12H3-450100<br>2/405 x 88mm | 9.1                     | 8.7  | 8.4  | 8.1  | 7.8 | 7.6 | 7.5 | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.7  |
|      |                 | 2/PLVL12H3-500100<br>2/450 x 88mm | 9.9                     | 9.4  | 9.1  | 8.8  | 8.5 | 8.3 | 8.1 | 7.9 | 7.7 | 7.6 | 7.5 | 7.4 | 7.3  |
|      |                 | 2/PLVL12H3-550100<br>2/495 x 88mm | 10.6                    | 10.1 | 9.7  | 9.4  | 9.1 | 8.9 | 8.7 | 8.5 | 8.3 | 8.1 | 8.0 | 7.9 | 7.8  |
|      | Very High Wind  | 2/PLVL12H3-600100<br>2/540 x 88mm | 11.3                    | 10.8 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.1 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4  |
|      |                 | 2/PLVL12H3-300100<br>2/290 x 88mm | 6.6                     | 6.3  | 6.1  | 5.9  | 5.7 | 5.5 | 5.4 | 5.3 | 5.1 | 5.1 | 5.0 | 4.9 | 4.9  |
|      |                 | 2/PLVL12H3-350100<br>2/315 x 88mm | 7.0                     | 6.7  | 6.5  | 6.2  | 6.1 | 5.9 | 5.8 | 5.6 | 5.5 | 5.4 | 5.3 | 5.2 | 5.2  |
|      |                 | 2/PLVL12H3-400100<br>2/360 x 88mm | 7.8                     | 7.4  | 7.2  | 6.9  | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 6.0 | 5.9 | 5.8 | 5.7  |
|      |                 | 2/PLVL12H3-450100<br>2/405 x 88mm | 8.5                     | 8.1  | 7.8  | 7.6  | 7.3 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.4 | 6.4 | 6.3  |
|      |                 | 2/PLVL12H3-500100<br>2/450 x 88mm | 9.2                     | 8.8  | 8.5  | 8.2  | 8.0 | 7.8 | 7.6 | 7.4 | 7.2 | 7.1 | 7.0 | 6.9 | 6.8  |
|      | Extra High Wind | 2/PLVL12H3-550100<br>2/495 x 88mm | 9.9                     | 9.5  | 9.1  | 8.8  | 8.6 | 8.3 | 8.1 | 8.0 | 7.8 | 7.6 | 7.5 | 7.4 | 7.3  |
|      |                 | 2/PLVL12H3-600100<br>2/540 x 88mm | 10.6                    | 10.1 | 9.8  | 9.4  | 9.2 | 8.9 | 8.7 | 8.5 | 8.3 | 8.2 | 8.0 | 7.9 | 7.7  |
|      |                 | 2/PLVL12H3-300100<br>2/290 x 88mm | 6.3                     | 6.0  | 5.8  | 5.6  | 5.4 | 5.3 | 5.1 | 5.0 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4  |
|      |                 | 2/PLVL12H3-350100<br>2/315 x 88mm | 6.7                     | 6.4  | 6.2  | 5.9  | 5.8 | 5.6 | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 4.9 | 4.8  |
|      |                 | 2/PLVL12H3-400100<br>2/360 x 88mm | 7.4                     | 7.1  | 6.8  | 6.6  | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.7 | 5.6 | 5.5 | 5.4  |
|      |                 | 2/PLVL12H3-450100<br>2/405 x 88mm | 8.1                     | 7.8  | 7.5  | 7.2  | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 6.2 | 6.1 | 6.1 | 6.0  |
|      |                 | 2/PLVL12H3-500100<br>2/450 x 88mm | 8.8                     | 8.4  | 8.1  | 7.8  | 7.6 | 7.4 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.5 | 6.1  |
|      |                 | 2/PLVL12H3-550100<br>2/495 x 88mm | 9.5                     | 9.0  | 8.7  | 8.4  | 8.2 | 7.9 | 7.8 | 7.6 | 7.4 | 7.3 | 6.9 | 6.5 | 6.1  |
|      |                 | 2/PLVL12H3-600100<br>2/540 x 88mm | 10.1                    | 9.7  | 9.3  | 9.0  | 8.7 | 8.5 | 8.3 | 8.1 | 7.8 | 7.3 | 6.9 | 6.5 | 6.2  |

These span tables apply only to Prolam products



# Selection Charts

**Table 9**

**Prolam® Shed Rafter (Beam) (Dry Use)**

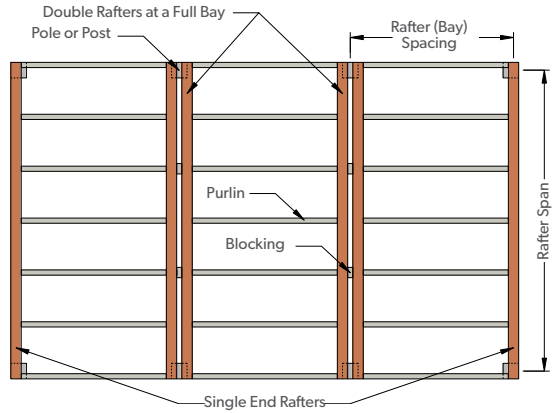
Light Roof - Up To 25 degrees pitch

No Ceiling

Roof Snow Load 0.9 kPa

Double rafters at a full bay and single at the end.

The double rafters are to be blocked between at centres not exceeding 2.5 m.



|      |             | Rafter (Bay) Spacing (m)          | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4  | 6.0  | 6.6  | 7.2  | 8.0  | 8.5 | 9.0 | 9.5 | 10.0 |
|------|-------------|-----------------------------------|-------------------------|------|------|------|------|------|------|------|------|-----|-----|-----|------|
|      |             | Rafter Size                       | Maximum Rafter Span (m) |      |      |      |      |      |      |      |      |     |     |     |      |
| PL12 | Low Wind    | 2/PLVL12H3-300100<br>2/290 x 88mm | 8.1                     | 7.7  | 7.4  | 7.0  | 6.6  | 6.3  | 6.0  | 5.8  | 5.5  | 5.3 | 5.2 | 5.0 | 4.9  |
|      |             | 2/PLVL12H3-350100<br>2/315 x 88mm | 8.6                     | 8.2  | 7.9  | 7.6  | 7.2  | 6.9  | 6.6  | 6.3  | 6.0  | 5.8 | 5.6 | 5.5 | 5.3  |
|      |             | 2/PLVL12H3-400100<br>2/360 x 88mm | 9.5                     | 9.1  | 8.7  | 8.4  | 8.2  | 7.8  | 7.5  | 7.2  | 6.8  | 6.6 | 6.4 | 6.3 | 6.1  |
|      |             | 2/PLVL12H3-450100<br>2/405 x 88mm | 10.4                    | 9.9  | 9.6  | 9.2  | 9.0  | 8.7  | 8.4  | 8.1  | 7.7  | 7.4 | 7.2 | 7.0 | 6.9  |
|      |             | 2/PLVL12H3-500100<br>2/450 x 88mm | 11.2                    | 10.8 | 10.4 | 10.0 | 9.7  | 9.5  | 9.2  | 8.9  | 8.5  | 8.2 | 8.0 | 7.8 | 7.6  |
|      |             | 2/PLVL12H3-550100<br>2/495 x 88mm | 11.9                    | 11.6 | 11.1 | 10.8 | 10.5 | 10.2 | 9.9  | 9.7  | 9.3  | 9.0 | 8.8 | 8.6 | 8.3  |
|      | Medium Wind | 2/PLVL12H3-600100<br>2/540 x 88mm | 12.6                    | 12.2 | 11.9 | 11.5 | 11.2 | 10.9 | 10.6 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.1  |
|      |             | 2/PLVL12H3-300100<br>2/290 x 88mm | 7.7                     | 7.4  | 7.1  | 6.8  | 6.6  | 6.3  | 6.0  | 5.8  | 5.5  | 5.3 | 5.2 | 5.0 | 4.9  |
|      |             | 2/PLVL12H3-350100<br>2/315 x 88mm | 8.2                     | 7.8  | 7.5  | 7.3  | 7.1  | 6.9  | 6.6  | 6.3  | 6.0  | 5.8 | 5.6 | 5.5 | 5.3  |
|      |             | 2/PLVL12H3-400100<br>2/360 x 88mm | 9.1                     | 8.7  | 8.3  | 8.1  | 7.8  | 7.6  | 7.4  | 7.2  | 6.8  | 6.6 | 6.4 | 6.3 | 6.1  |
|      |             | 2/PLVL12H3-450100<br>2/405 x 88mm | 9.9                     | 9.5  | 9.1  | 8.8  | 8.6  | 8.3  | 8.1  | 8.0  | 7.7  | 7.4 | 7.2 | 7.0 | 6.9  |
|      |             | 2/PLVL12H3-500100<br>2/450 x 88mm | 10.8                    | 10.3 | 9.9  | 9.6  | 9.3  | 9.0  | 8.8  | 8.6  | 8.4  | 8.2 | 8.0 | 7.8 | 7.6  |
|      |             | 2/PLVL12H3-550100<br>2/495 x 88mm | 11.6                    | 11.1 | 10.6 | 10.3 | 10.0 | 9.7  | 9.5  | 9.3  | 9.0  | 8.9 | 8.8 | 8.6 | 8.3  |
|      |             | 2/PLVL12H3-600100<br>2/540 x 88mm | 12.4                    | 11.8 | 11.4 | 11.0 | 10.7 | 10.4 | 10.1 | 9.9  | 9.7  | 9.5 | 9.4 | 9.2 | 9.1  |

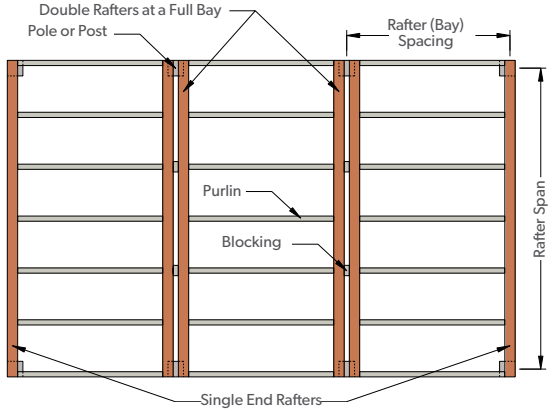
These span tables apply only to Prolam products

# Selection Charts

**Table 10**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof - Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 0.9 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



|      |                 | Rafter (Bay) Spacing (m)          | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|------|-----------------|-----------------------------------|-------------------------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
|      |                 | Rafter Size                       | Maximum Rafter Span (m) |      |      |      |     |     |     |     |     |     |     |     |      |
| PL12 | High Wind       | 2/PLVL12H3-300100<br>2/290 x 88mm | 7.1                     | 6.7  | 6.5  | 6.3  | 6.1 | 5.9 | 5.8 | 5.6 | 5.5 | 5.3 | 5.2 | 5.0 | 4.9  |
|      |                 | 2/PLVL12H3-350100<br>2/315 x 88mm | 7.5                     | 7.2  | 6.9  | 6.7  | 6.5 | 6.3 | 6.1 | 6.0 | 5.9 | 5.8 | 5.6 | 5.5 | 5.3  |
|      |                 | 2/PLVL12H3-400100<br>2/360 x 88mm | 8.3                     | 7.9  | 7.6  | 7.4  | 7.2 | 7.0 | 6.8 | 6.7 | 6.5 | 6.4 | 6.3 | 6.2 | 6.1  |
|      |                 | 2/PLVL12H3-450100<br>2/405 x 88mm | 9.1                     | 8.7  | 8.4  | 8.1  | 7.8 | 7.6 | 7.5 | 7.3 | 7.1 | 7.0 | 6.9 | 6.8 | 6.7  |
|      |                 | 2/PLVL12H3-500100<br>2/450 x 88mm | 9.9                     | 9.4  | 9.1  | 8.8  | 8.5 | 8.3 | 8.1 | 7.9 | 7.7 | 7.6 | 7.5 | 7.4 | 7.3  |
|      |                 | 2/PLVL12H3-550100<br>2/495 x 88mm | 10.6                    | 10.1 | 9.7  | 9.4  | 9.1 | 8.9 | 8.7 | 8.5 | 8.3 | 8.1 | 8.0 | 7.9 | 7.8  |
|      | Very High Wind  | 2/PLVL12H3-600100<br>2/540 x 88mm | 11.3                    | 10.8 | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.1 | 8.8 | 8.7 | 8.6 | 8.5 | 8.4  |
|      |                 | 2/PLVL12H3-300100<br>2/290 x 88mm | 6.6                     | 6.3  | 6.1  | 5.9  | 5.7 | 5.5 | 5.4 | 5.3 | 5.1 | 5.1 | 5.0 | 4.9 | 4.9  |
|      |                 | 2/PLVL12H3-350100<br>2/315 x 88mm | 7.0                     | 6.7  | 6.5  | 6.2  | 6.1 | 5.9 | 5.8 | 5.6 | 5.5 | 5.4 | 5.3 | 5.2 | 5.2  |
|      |                 | 2/PLVL12H3-400100<br>2/360 x 88mm | 7.8                     | 7.4  | 7.2  | 5.9  | 6.7 | 6.5 | 6.4 | 6.2 | 6.1 | 6.0 | 5.9 | 5.8 | 5.7  |
|      |                 | 2/PLVL12H3-450100<br>2/405 x 88mm | 8.5                     | 8.1  | 7.8  | 7.6  | 7.3 | 7.2 | 7.0 | 6.8 | 6.6 | 6.5 | 6.4 | 6.4 | 6.3  |
|      |                 | 2/PLVL12H3-500100<br>2/450 x 88mm | 9.2                     | 8.8  | 8.5  | 8.2  | 8.0 | 7.8 | 7.6 | 7.4 | 7.2 | 7.1 | 7.0 | 6.9 | 6.8  |
|      | Extra High Wind | 2/PLVL12H3-550100<br>2/495 x 88mm | 9.9                     | 9.5  | 9.1  | 8.8  | 8.6 | 8.3 | 8.1 | 8.0 | 7.8 | 7.6 | 7.5 | 7.4 | 7.3  |
|      |                 | 2/PLVL12H3-600100<br>2/540 x 88mm | 10.6                    | 10.1 | 9.8  | 9.4  | 9.2 | 8.9 | 8.7 | 8.5 | 8.3 | 8.2 | 8.0 | 7.9 | 7.7  |
|      |                 | 2/PLVL12H3-300100<br>2/290 x 88mm | 6.3                     | 6.0  | 5.8  | 5.6  | 5.4 | 5.3 | 5.1 | 5.0 | 4.9 | 4.8 | 4.6 | 4.5 | 4.4  |
|      |                 | 2/PLVL12H3-350100<br>2/315 x 88mm | 6.7                     | 6.4  | 6.2  | 5.9  | 5.8 | 5.6 | 5.5 | 5.4 | 5.2 | 5.1 | 5.0 | 4.9 | 4.8  |
|      |                 | 2/PLVL12H3-400100<br>2/360 x 88mm | 7.4                     | 7.1  | 6.8  | 6.6  | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.7 | 5.6 | 5.5 | 5.4  |
|      |                 | 2/PLVL12H3-450100<br>2/405 x 88mm | 8.1                     | 7.8  | 7.5  | 7.2  | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 6.2 | 6.1 | 6.1 | 6.0  |
|      |                 | 2/PLVL12H3-500100<br>2/450 x 88mm | 8.8                     | 8.4  | 8.1  | 7.8  | 7.6 | 7.4 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.5 | 6.1  |
|      |                 | 2/PLVL12H3-550100<br>2/495 x 88mm | 9.5                     | 9.0  | 8.7  | 8.4  | 8.2 | 7.9 | 7.8 | 7.6 | 7.4 | 7.3 | 6.9 | 6.5 | 6.1  |
|      |                 | 2/PLVL12H3-600100<br>2/540 x 88mm | 10.1                    | 9.7  | 9.3  | 9.0  | 8.7 | 8.5 | 8.3 | 8.1 | 7.8 | 7.3 | 6.9 | 6.5 | 6.2  |

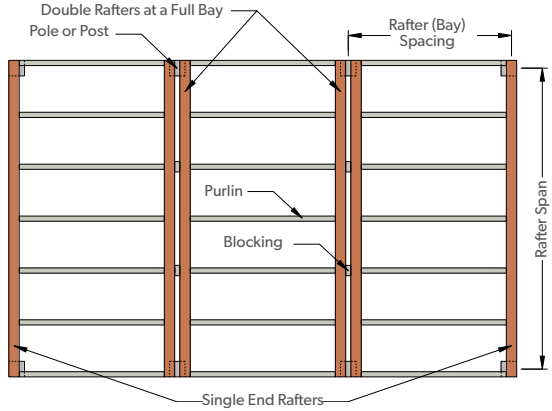
These span tables apply only to Prolam products

# Selection Charts

**Table 11**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof - Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 1.35 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



|      |             | Rafter (Bay) Spacing (m)          | 3.0                     | 3.6  | 4.2  | 4.8  | 5.4  | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|------|-------------|-----------------------------------|-------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|------|
|      |             | Rafter Size                       | Maximum Rafter Span (m) |      |      |      |      |     |     |     |     |     |     |     |      |
| PL12 | Low Wind    | 2/PLVL12H3-300100<br>2/290 x 88mm | 7.3                     | 6.9  | 6.4  | 6.0  | 5.7  | 5.4 | 5.2 | 4.9 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2  |
|      |             | 2/PLVL12H3-350100<br>2/315 x 88mm | 7.8                     | 7.4  | 7.0  | 6.6  | 6.2  | 5.9 | 5.6 | 5.4 | 5.1 | 4.9 | 4.8 | 4.7 | 4.5  |
|      |             | 2/PLVL12H3-400100<br>2/315 x 88mm | 8.6                     | 8.2  | 7.9  | 7.5  | 7.1  | 6.7 | 6.4 | 6.1 | 5.8 | 5.7 | 5.5 | 5.3 | 5.2  |
|      |             | 2/PLVL12H3-450100<br>2/405 x 88mm | 9.4                     | 9.0  | 8.6  | 8.3  | 7.9  | 7.5 | 7.2 | 6.9 | 6.6 | 6.4 | 6.2 | 6.0 | 5.9  |
|      |             | 2/PLVL12H3-500100<br>2/450 x 88mm | 10.2                    | 9.7  | 9.3  | 9.0  | 8.8  | 8.4 | 8.0 | 7.7 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5  |
|      | Medium Wind | 2/PLVL12H3-550100<br>2/495 x 88mm | 10.9                    | 10.5 | 10.0 | 9.7  | 9.4  | 9.2 | 8.7 | 8.4 | 8.0 | 7.7 | 7.5 | 7.2 | 6.9  |
|      |             | 2/PLVL12H3-600100<br>2/540 x 88mm | 11.7                    | 11.2 | 10.7 | 10.4 | 10.1 | 9.8 | 9.5 | 9.1 | 8.5 | 8.0 | 7.6 | 7.2 | 6.8  |
|      |             | 2/PLVL12H3-300100<br>2/290 x 88mm | 7.3                     | 6.9  | 6.4  | 6.0  | 5.7  | 5.4 | 5.2 | 4.9 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2  |
|      |             | 2/PLVL12H3-350100<br>2/315 x 88mm | 7.8                     | 7.4  | 7.0  | 6.6  | 6.2  | 5.9 | 5.6 | 5.4 | 5.1 | 4.9 | 4.8 | 4.7 | 4.5  |
|      |             | 2/PLVL12H3-400100<br>2/360 x 88mm | 8.6                     | 8.2  | 7.9  | 7.5  | 7.1  | 6.7 | 6.4 | 6.1 | 5.8 | 5.7 | 5.5 | 5.3 | 5.2  |
|      |             | 2/PLVL12H3-450100<br>2/405 x 88mm | 9.4                     | 9.0  | 8.6  | 8.3  | 7.9  | 7.5 | 7.2 | 6.9 | 6.6 | 6.4 | 6.2 | 6.0 | 5.9  |
|      |             | 2/PLVL12H3-500100<br>2/450 x 88mm | 10.2                    | 9.7  | 9.3  | 9.0  | 8.8  | 8.4 | 8.0 | 7.7 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5  |
|      |             | 2/PLVL12H3-550100<br>2/495 x 88mm | 10.9                    | 10.2 | 10.0 | 9.7  | 9.4  | 9.2 | 8.7 | 8.4 | 8.0 | 7.7 | 7.5 | 7.2 | 6.9  |
|      |             | 2/PLVL12H3-600100<br>2/540 x 88mm | 11.7                    | 11.2 | 10.7 | 10.4 | 10.1 | 9.8 | 9.5 | 9.1 | 8.5 | 8.0 | 7.6 | 7.2 | 6.8  |

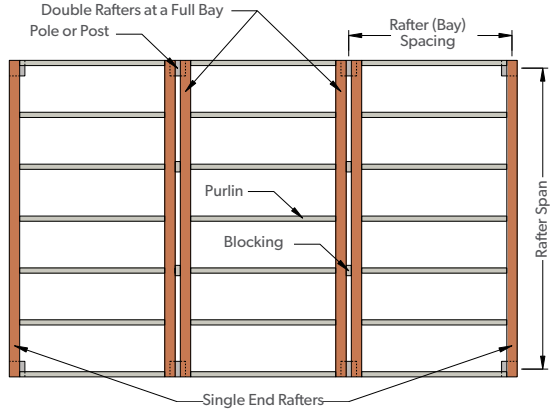
These span tables apply only to Prolam products

# Selection Charts

**Table 12**

**Prolam® Shed Rafter (Beam) (Dry Use)**

Light Roof - Up To 25 degrees pitch  
 No Ceiling  
 Roof Snow Load 1.35 kPa  
 Double rafters at a full bay and single at the end.  
 The double rafters are to be blocked between at centres not exceeding 2.5 m.



| Rafter (Bay) Spacing (m) | 3.0                     | 3.6 | 4.2 | 4.8 | 5.4 | 6.0 | 6.6 | 7.2 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 |
|--------------------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Rafter Size              | Maximum Rafter Span (m) |     |     |     |     |     |     |     |     |     |     |     |      |

| PL12              | High Wind         | 2/PLVL12H3-300100 | 2/290 x 88mm      | 7.1          | 6.7  | 6.4  | 6.0 | 5.7 | 5.4 | 5.2 | 4.9 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2 |
|-------------------|-------------------|-------------------|-------------------|--------------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                   |                   | Very High Wind    | 2/PLVL12H3-350100 | 2/315 x 88mm | 7.5  | 7.2  | 6.9 | 6.6 | 6.2 | 5.9 | 5.6 | 5.4 | 5.1 | 4.9 | 4.8 | 4.7 |
| 2/PLVL12H3-400100 | 2/360 x 88mm      |                   | 8.3               | 7.9          | 7.6  | 7.4  | 7.1 | 6.7 | 6.4 | 6.1 | 5.8 | 5.7 | 5.5 | 5.3 | 5.2 |     |
| Extra High Wind   | 2/PLVL12H3-450100 | 2/405 x 88mm      | 9.1               | 8.7          | 8.4  | 8.1  | 7.8 | 7.5 | 7.2 | 6.9 | 6.6 | 6.4 | 6.2 | 6.0 | 5.9 |     |
|                   | 2/PLVL12H3-500100 | 2/450 x 88mm      | 9.9               | 9.4          | 9.1  | 8.8  | 8.5 | 8.3 | 8.0 | 7.7 | 7.3 | 7.1 | 6.9 | 6.7 | 6.5 |     |
| High Wind         | 2/PLVL12H3-550100 | 2/495 x 88mm      | 10.6              | 10.1         | 9.7  | 9.4  | 9.1 | 8.9 | 8.7 | 8.4 | 8.0 | 7.7 | 7.5 | 7.2 | 6.9 |     |
|                   | 2/PLVL12H3-600100 | 2/540 x 88mm      | 11.3              | 10.8         | 10.4 | 10.1 | 9.8 | 9.5 | 9.3 | 9.1 | 8.5 | 8.0 | 7.6 | 7.2 | 6.8 |     |
| Very High Wind    | 2/PLVL12H3-300100 | 2/290 x 88mm      | 6.6               | 6.3          | 6.1  | 5.9  | 5.7 | 5.4 | 5.2 | 4.9 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2 |     |
|                   | 2/PLVL12H3-350100 | 2/315 x 88mm      | 7.0               | 6.7          | 6.5  | 6.2  | 6.1 | 5.9 | 5.6 | 5.4 | 5.1 | 4.9 | 4.8 | 4.7 | 4.5 |     |
| Extra High Wind   | 2/PLVL12H3-400100 | 2/360 x 88mm      | 7.8               | 7.4          | 7.2  | 6.9  | 6.7 | 6.5 | 6.4 | 6.1 | 5.8 | 5.7 | 5.5 | 5.3 | 5.2 |     |
|                   | 2/PLVL12H3-450100 | 2/405 x 88mm      | 8.5               | 8.1          | 7.8  | 7.6  | 7.3 | 7.2 | 7.0 | 6.8 | 6.6 | 6.4 | 6.2 | 6.0 | 5.9 |     |
| High Wind         | 2/PLVL12H3-500100 | 2/450 x 88mm      | 9.2               | 8.8          | 8.5  | 8.2  | 8.0 | 7.8 | 7.6 | 7.4 | 7.2 | 7.1 | 6.9 | 6.7 | 6.5 |     |
|                   | 2/PLVL12H3-550100 | 2/495 x 88mm      | 9.9               | 9.5          | 9.1  | 8.8  | 8.6 | 8.3 | 8.1 | 8.0 | 7.8 | 7.6 | 7.5 | 7.2 | 6.9 |     |
| Very High Wind    | 2/PLVL12H3-600100 | 2/540 x 88mm      | 10.6              | 10.1         | 9.8  | 9.4  | 9.2 | 8.9 | 8.7 | 8.5 | 8.3 | 8.0 | 7.6 | 7.2 | 6.8 |     |
|                   | 2/PLVL12H3-300100 | 2/290 x 88mm      | 6.3               | 6.0          | 5.8  | 5.6  | 5.4 | 5.3 | 5.1 | 4.9 | 4.7 | 4.5 | 4.4 | 4.3 | 4.2 |     |
| Extra High Wind   | 2/PLVL12H3-350100 | 2/315 x 88mm      | 6.7               | 6.4          | 6.2  | 5.9  | 5.8 | 5.6 | 5.5 | 5.4 | 5.1 | 4.9 | 4.8 | 4.7 | 4.5 |     |
|                   | 2/PLVL12H3-400100 | 2/360 x 88mm      | 7.4               | 7.1          | 6.8  | 6.6  | 6.4 | 6.2 | 6.1 | 5.9 | 5.8 | 5.7 | 5.5 | 5.3 | 5.2 |     |
| High Wind         | 2/PLVL12H3-450100 | 2/405 x 88mm      | 8.1               | 7.8          | 7.5  | 7.2  | 7.0 | 6.8 | 6.6 | 6.5 | 6.3 | 6.2 | 6.1 | 6.0 | 5.9 |     |
|                   | 2/PLVL12H3-500100 | 2/450 x 88mm      | 8.8               | 8.4          | 8.1  | 7.8  | 7.6 | 7.4 | 7.2 | 7.1 | 6.9 | 6.8 | 6.7 | 6.5 | 6.1 |     |
| Very High Wind    | 2/PLVL12H3-550100 | 2/495 x 88mm      | 9.5               | 9.0          | 8.7  | 8.4  | 8.2 | 7.9 | 7.8 | 7.6 | 7.4 | 7.3 | 6.9 | 6.5 | 6.1 |     |
|                   | 2/PLVL12H3-600100 | 2/540 x 88mm      | 10.1              | 9.7          | 9.3  | 9.0  | 8.7 | 8.5 | 8.3 | 8.1 | 7.8 | 7.3 | 6.9 | 6.5 | 6.2 |     |

These span tables apply only to Prolam products