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Design Tip – Fascia Purlin Cleat (C Purlin)

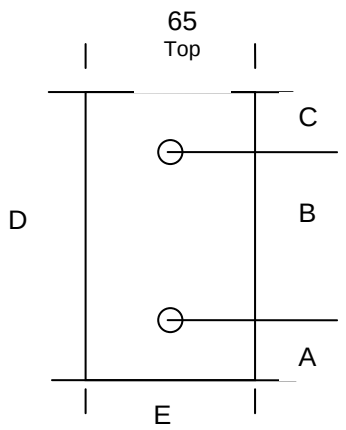
The ILB® system is formed by a standard range of ILB® Beams connected using fitting plates welded on and then bolted together. The fitting plates may vary slightly depending on the beam selected and the type of connection required.

However, there are a standard range of plates from which to select. Plates outside of this standard range will incur extra charge and are subject to longer leadtimes.

To assist the design process, ILB have produced a set of design tips.

This ILB design tip relates to the specification of the Fascia **purlin cleat to suit a C purlin.**

Single Cleat



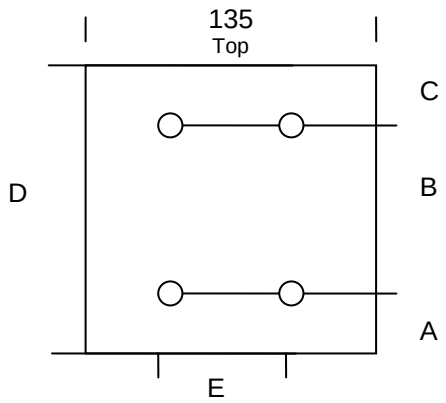
The single cleat size is related to the size of the purlin used.

Single Cleat plate 65 x 6 x D
For 100,150, 200 purlins and 250 the connection requires 2 x 18 holes.

For 300 and 350 purlins the plate requires 2 x 18 holes

Where
A = 35mm
B =- the size to suit purlins
C = 40mm
D = Purlin less 15mm

Double Cleat



The double cleat size is related to the size of the purlin used.

The double cleat plate dimensions are 130mm x 6mm x D

For 100,150, 200 and 250 purlins the connection requires 4 x 14 holes.

For 300 and 350 purlins the plate requires 4 x 18 holes

Where
A = 35mm
B =- the size to suit purlins
C = 40mm
D = Purlin less 15mm
E = 80mm