

■ **Design Tips – Standard Connection Plate**

*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 an 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 standard connection plate – inclusive of the **knee, splice and apex connection**. Whilst an ILB connection plate is a standard design, the size of the beam and the RHS used will affect the overall layout of the plate. Following are generic measurements to assist you to select the correct sized plate and accurate bolt hole placement.

Standard Plate	125 RHS = 250 plate 150 RHS = 300 plate 200 RHS = 300 plate
Bolt Size	To be determined by the engineer
Hole Position	A = 36mm B = 25mm + RHS + 25mm
Optional Holes	@ = holes where required on larger Beams. See Engineer for direction

