PRODUCT DATA SHEET

HIP SUPPORT BRACKET (HSB)

FEATURES AND BENEFITS

EASY: Simple design.

FAST: Fixed with Pryda 12-35mm Screws.

STRONG: 3mm thick galvanised steel.

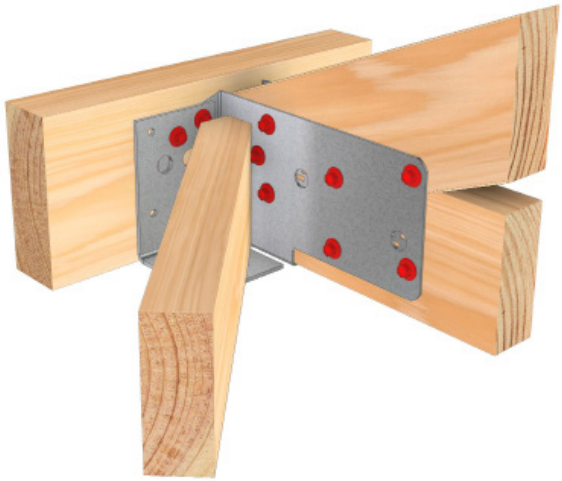
AS1684 & AS1720 COMPLIANT

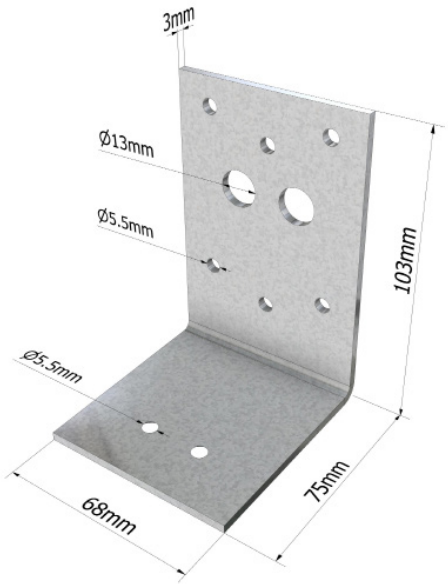
- More than the minimum Z275 galvanised steel
- Design values tested in accordance to the relevant standard

SPECIFICATIONS

PRODUCT CODE	HSB
STEEL	G300
THICKNESS	3mm
CORROSION RESISTANCE	Z275
FASTENERS REQUIRED	Pryda Red Painted hex head 12G x 35mm Screws and/or M12 bolts. Refer to the Truss Boots data sheet and Pryda Hangers and Truss Boots Design Guide for fastener types and quantities.
QUANTITY	50

Strong support for hip trusses/rafters at girder truss junctions.





DESIGN CAPACITIES

DOWNWARD LOADS

JOINT GROUP OF SUPPORTING TRUSS	HSB CAPACITY (KN) FIXING: 4/PRYDA TCS12-35 SCREWS INTO SUPPORTING TRUSS		HSB+TB35 CAPACITY (KN) FIXING: 8/PRYDA TCS12-35 SCREWS INTO SUPPORTING TRUSS	
	1.35G	1.2G + 1.5QR	1.35G	1.2G + 1.5QR
JD4	4.8	6.5	9.3	12.6
JD3	6.8	9.2	13.2	17.8

NOTES:

1. The HSB+TB35 capacity in the above table is the same as the TB35 capacity by itself as it is based on the 8/Pryda TCS12-35 screws into the supporting truss. These values therefore relate to the maximum combined load that can be resisted (i.e. load from hip truss + supported girder)
2. Screws with longer lengths are required when HSBs are fixed into multiple laminated trusses. For double laminates, use 65mm long screws into supporting truss.

UPLIFT LOADS

MINIMUM JOINT GROUP	UPLIFT CAPACITY (KN)	
	HSB	HSB + TB35
JD5	1.5	13.2
JD4	2.0	18.7
JD3	2.5	20.0

NOTES:

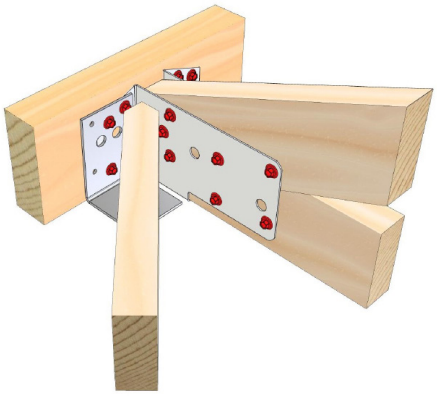
1. The Uplift Capacity of HSB is based on 1/No.12 x 35mm Type 17 screw in withdrawal. This value relates to the maximum uplift reaction of the hip truss that can be resisted. The uplift capacity may be enhanced using alternative tie-down fixings like cyclone straps etc.
2. The HSB+TB35 capacity relates to the maximum combined uplift resisted, provided the hip reaction does not exceed the HSB capacity on its own.

IMPORTANT:

READ THIS DATASHEET IN CONJUNCTION WITH PRYDA HANGERS & TRUSS BOOTS DESIGN GUIDE AND REFER TO ESSENTIAL NOTES AND GENERAL NOTES.

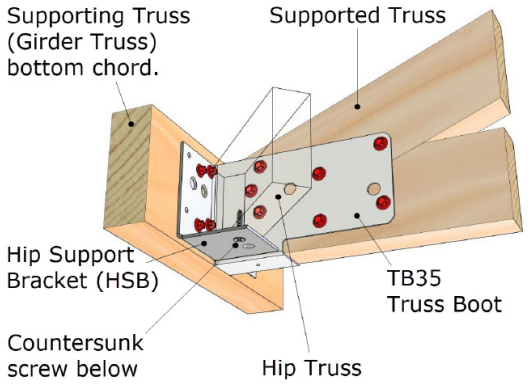
INSTALLATION

STEP 1



- Align the holes in the Hip Support Bracket with those in the Truss Boot and fix them both to the supporting truss.
- Refer to the Truss Boots data sheet and Pryda Hangers and Truss Boots Design Guide for fastener types and quantities.

STEP 2



- Sit the hip truss on the bracket and install a countersunk screw up through the bottom of the bracket to secure the truss in place.
- Either screw hole may be used, to suit the alignment of the truss.

LOOKING FOR MORE DETAILS OR OTHER HANGERS & TRUSS BOOTS IN OUR RANGE?

SEE OUR HANGERS & TRUSS BOOTS DESIGN GUIDE AVAILABLE AT PRYDA.COM.AU