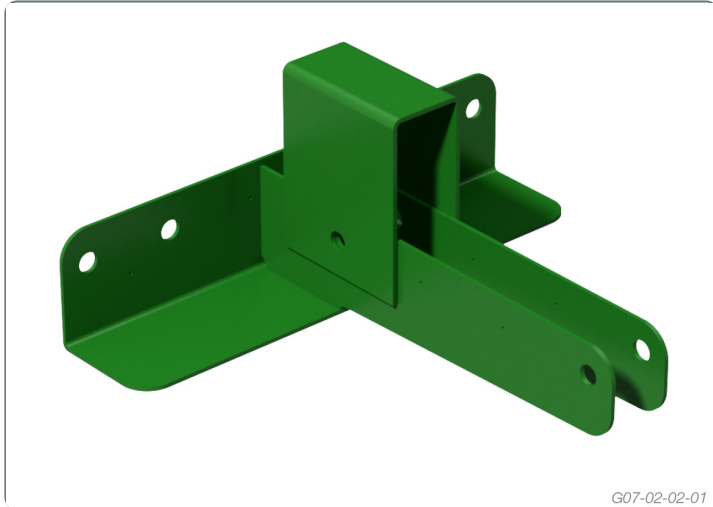


## Heavy Duty High Load Truss Boots



**Steel girder brackets for connecting girder trusses to the bottom chord of primary girder trusses**

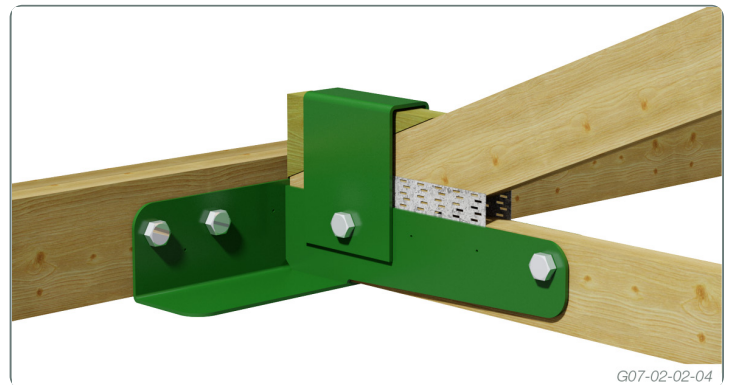
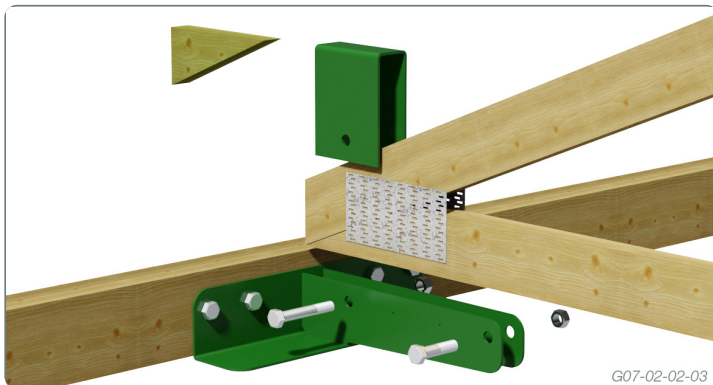
**These steel girder brackets are available in various configurations.**

**Heavy Load Truss Boot to assist in the tie down of trusses in high wind uplift areas.**

**The extra clip dramatically improves the tie down value.**

### APPLICATION

1. Place the Heavy Duty High Load Truss Boot in the correct position and drill holes into the bottom chord of the girder truss to suit M16 Multinail Hex Head bolts.
2. Align the bolt holes of the Heavy Duty High Load Truss Boot to the bolt holes in the girder truss and install the M16 Multinail Hex Head bolts with the correct size washers.
3. Place the supported truss on the bracket and drill holes into the supported truss to suit M16 Multinail Hex Head bolts.
4. Align the bolt holes of the Heavy Duty High Load Truss Boot to the bolt holes in the supported truss and install the M16 Multinail Hex Head bolts with the correct size washers.
5. Drill the hole into the supported truss to suit the recommended bolt size. This hole must align with the bolt hole provided in the truss boot.
6. Neatly insert the timber wedge between the clip and the truss heel to ensure full bearing.
7. Place the clip over the supported truss and bolt into position.
8. Tighten all bolts before loading with roof materials



### NOTES

- Bracket may sit below truss bottom chord. Alternatively, the supported truss bottom chord may be rebated by 4mm for a length of 96mm.
- For a better fit, truss can be designed with a 4mm cutoff.
- Minimum girder bottom chord size is 130mm.
- Temporary bracing is required during installation.
- Minimum end distance for bolts is five (5) times the bolt diameter.
- For primary structural elements in buildings other than houses, multiply the following values by 0.87
- Bolts and washers to be installed as per AS1720.1-2010.
- For windloads  $K1=1.14$
- Timber wedge to be minimum same grade as top chord of carried truss.

LIMIT STATE DESIGN LOADS

Girder or Std Truss Thickness	JOINT GROUP								
	JD3			JD4			JD5		
	DL	DL+LL	DL+WL	DL	DL+LL	DL+WL	DL	DL+LL	DL+WL
35mm	18.4	24.9	36.9	13.6	18.3	27.1	9.8	13.2	19.4
45mm	23.7	32.0	47.4	17.4	23.6	34.8	12.5	17.0	25.1
70mm	31.6	42.7	63.2	23.2	31.4	46.5	16.7	22.6	33.4
90mm	31.6	42.7	63.2	23.2	31.4	46.5	16.7	22.6	33.4
105mm	31.6	42.7	63.2	23.2	31.4	46.5	16.7	22.6	33.4
135mm	31.6	42.7	63.2	23.2	31.4	46.5	16.7	22.6	33.4

Note: The joint group and thickness of the girder bottom chord must be checked against all load combinations. All load capacities are in kN

DESCRIPTION AND PACKAGING

TA411	TA415	TA417	TA421	TA431	TA432
For single truss up to 35mm	For double truss up to 70mm	For single truss up to 45mm	For double truss up to 90mm	For triple truss up to 105mm	For triple truss up to 135mm

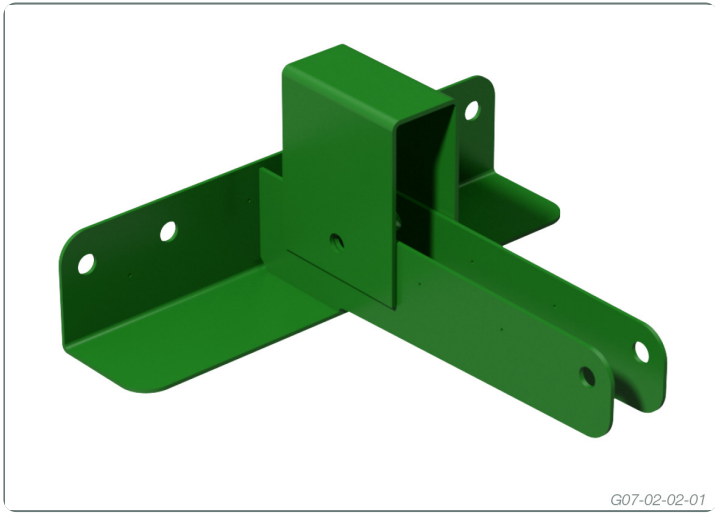
G07-02-02-02

Manufactured from 4.0mm Steel

Description	Product Code	Reference Code	Quantity	Kg.
38mm TWO ARM and CLIP	TA411	HDHLTB038	1	6.12
78mm TWO ARM and CLIP	TA415	HDHLTB076	1	6.29
50mm TWO ARM and CLIP	TA417	HDHLTB050	1	6.17
100mm TWO ARM and CLIP	TA421	HDHLTB100	1	6.38
115mm TWO ARM and CLIP	TA431	HDHLTB115	1	6.44
150mm TWO ARM and CLIP	TA432	HDHLTB150	1	6.58

M12 x 65mm Bolt (TA091), M12 x 100mm Bolt (TA09),

M16 x 65mm Bolt (TA114), M16 x 100mm Bolt (TA115), M16 x 150mm Bolt (TA089)



G07-02-02-01

---

Due to continual product improvement Multinail Australia Pty Ltd. reserves the right to change the product/s depicted - both in description and specification.  
This document has to be read in conjunction with Multinail's Technical Manual.