

# MULTIGRIPS

## FEATURES AND BENEFITS

**FUNCTIONAL:** Each of the tabs can bent in or out to 90° or other angles to suit the application.

**STRONG:** Suitable for high load applications such as a tie-down connector.

**VERSATILE:** Along with being used as a strong tie-down connection, can also be used in numerous right-angle connection application.

## SPECIFICATIONS

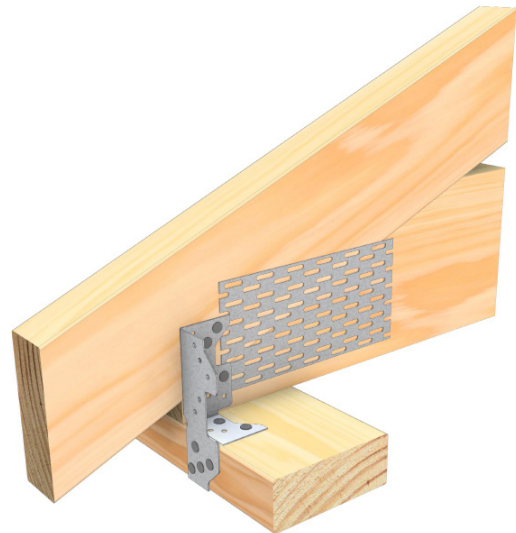
<b>STEEL</b>	G300
<b>THICKNESS</b>	1.0mm
<b>CORROSION RESISTANCE</b>	Z275 or S316L Stainless Steel
<b>FASTENERS</b>	<p>Pryda 35 x 3.15mm Timber Connector Nails</p> <p>OR</p> <p>Pryda Painted hex head 12G x 35mm Screws</p> <p>Ensure the corrosion resistance of the fastener matches the product, ie. galvanised nails for a galvanised bracket or stainless nails for a stainless bracket.</p>

Multi-purpose metal connectors for timber construction.



### AS1684 COMPLIANT

- Designed and tested in accordance with Australian standards (AS1649)
- Minimum G300 Z275 Galvanised Steel



## DURABILITY

Z275 to be used in weather protected internal applications. Stainless Steel can be used for external applications.

Note: If Stainless Steel Multigrrips are used, they should be used with Stainless Steel nails.

## MULTIGRIPS

PRODUCT CODE	MATERIAL	SIZE	QUANTITY
MPMG	G300 Z275 Galvanised Steel	100 x 37 x 37mm	100
MG/SS	S316L Stainless Steel	100 x 37 x 37mm	20

## PRYDA 12-35 SCREWS

PRODUCT CODE	MATERIAL	TYPE	SIZE	PACK CONFIGURATION	QUANTITY
TCS12-35/1k	Galvanised Steel	Red Hex Head 5/16 or 8mm socket size Zip Drilling Tip	12G x 35mm	1 Carton	1000
TCS12-65/1k		Black Hex Head 5/16 or 8mm socket size Zip Drilling Tip	12G x 65mm	1 Carton	1000

## PRYDA TIMBER CONNECTOR NAILS

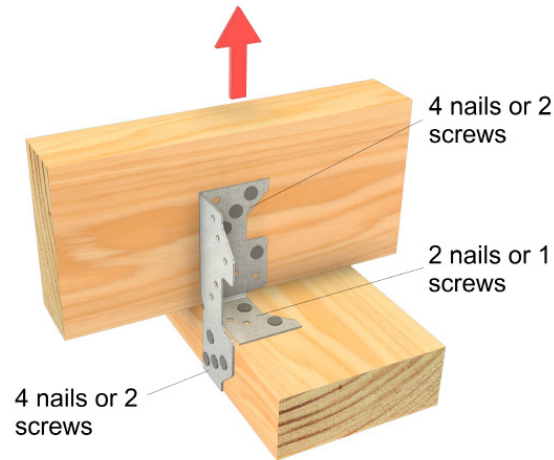
PRODUCT CODE	MATERIAL	TYPE	SIZE	PACK CONFIGURATION	QUANTITY
OSNGB	Galvanised Steel	Flat Head	35 x 3.15mm	500g cardboard packs x 10	5kg
OSNG				1kg cardboard packs x 10	10kg
TPOSNG				5kg Trade pack x 1	5kg
OSNBCI/SS	S316L Stainless Steel			500g clamshell pack x 1	500g

### IMPORTANT:

READ THIS DATASHEET IN CONJUNCTION WITH PRYDA CONNECTORS & TIE-DOWN CONNECTORS DESIGN GUIDE AND REFER TO ESSENTIAL NOTES AND GENERAL NOTES.

## DESIGN CAPACITIES

### LOAD DIRECTION 1

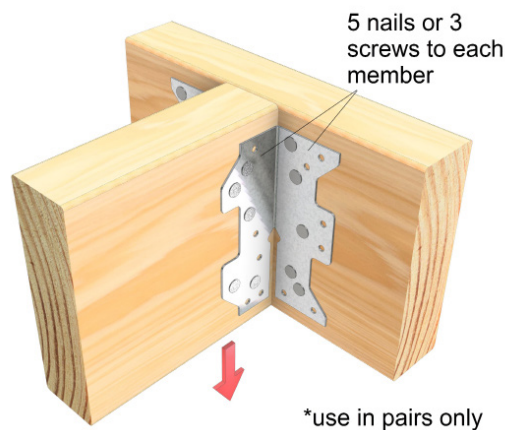


LOAD CASE	DESIGN CAPACITY $\Phi$ NJ (KN) FOR A SINGLE MULTIGRIP FOR TIMBER JOINT GROUP		
	JD5	JD4	JD3
Wind Uplift	3.2	3.8	4.2

Notes:

1. The above capacities apply directly to Category 1 connections. For all other connections, ie. Category 2 or 3 multiply these capacities by 0.94 or 0.88 respectively, as per AS1720.1:2010.
2. Refer to Pryda's Connectors & Tie-down Design Guide available at [pryda.com.au](http://pryda.com.au) for description of load cases and joint groups
3. If used as a pair with one Multigrip on each side, capacities may be double.

### LOAD DIRECTION 2 (ALWAYS USE AS PAIRS)

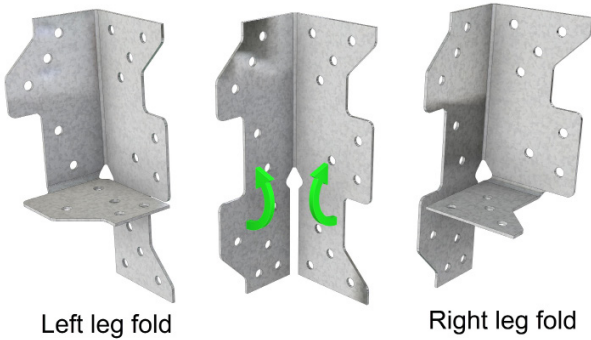


LOAD CASE	DESIGN CAPACITY $\Phi$ NJ (KN) FOR A PAIR OF MULTIGRIPS FOR TIMBER JOINT GROUP		
	JD5	JD4	JD3
1.35G	2.7	3.2	4.5
1.2G + 1.5Qr	3.6	4.3	6.1
1.2G + Wd or Wind Uplift	5.4	6.4	9

## INSTALLATION

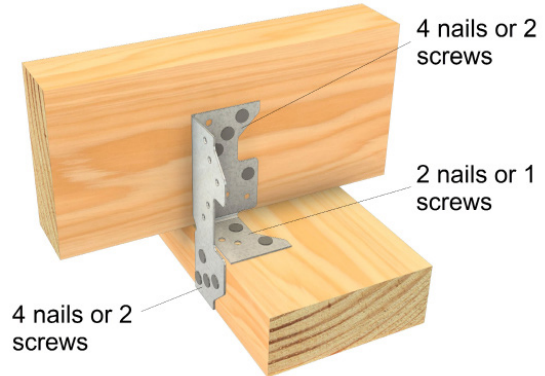
### TRUSS TIE DOWN CONNECTION TO SUPPORT

#### STEP 1



- Determine which leg of the Multigrip are required to be bent and do so at a 90° angle
- Ensure the bends are neat, tight and firm against the timber before fixing into position

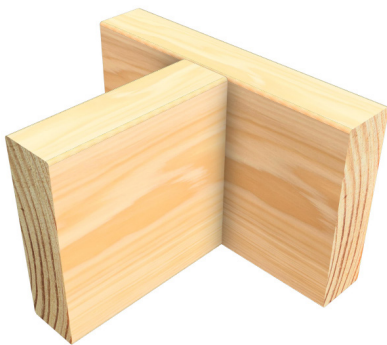
#### STEP 2



- Fix the Multigrrips using Pryda Timber Connector Nails 35 x 3.15mm or Pryda Painted hex head 12G x 35mm Screws.
- Ensure the correct number of nails or screws are used per leg of the Multigrip as per the image above

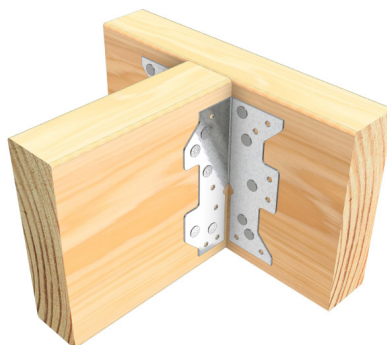
### BEAM TO BEAM OR TRUSS TO TRUSS CONNECTION

#### STEP 1



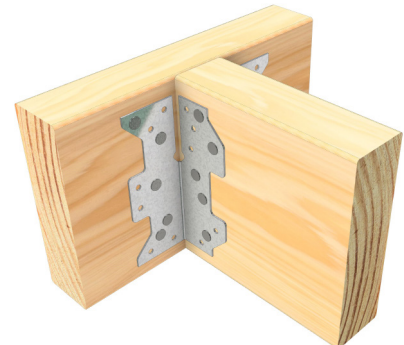
- Position the supported beam to supporting beam, ensuring both beams are vertically plumb, and all edges are aligned.

#### STEP 2



- Position a pair of Multigrrips at right angles on either side of the supported beam. Fix each Multigrip to each timber member with 5x3.15x35 Pryda Connector nails or 3 x No.12x35mm Pryda painted hex head screws.

#### STEP 3



- Repeat same fixing method to adjacent Multigrip. Note orientation of each Multigrip and connection must be installed in PAIRS.

## FASTENING MULTIGRIPS

### BUILD WITH CONFIDENCE

#### WHERE POSSIBLE, HAND NAILING WITH PRYDA TIMBER CONNECTOR NAILS IS ALWAYS PREFERRED, WHY?

- Pryda Timber Connector Nails are forged in one piece, unlike clouts that are two pieces soldered together, meaning the head can pop off
- Pryda Nails are the correct diameter, ensuring a tight fit in prepunched holes = a stronger connection
- Design values and testing have all been conducted using Pryda Timber Connector Nails
- Hand hammered nails ensure correct nail positioning and drive depth (not driven to shallow or too deep)

**MACHINE DRIVEN NAILS ARE NOT RECOMMENDED FOR FIXING LONG MULTIGRIPS, MULTIGRIPS AND MINIGRIPS.**



**LOOKING FOR MORE DETAILS OR OTHER CONNECTORS IN OUR RANGE?**

SEE OUR CONNECTORS & TIE-DOWN CONNECTORS DESIGN GUIDE AVAILABLE AT [PRYDA.COM.AU](https://www.pryda.com.au)