

JOIN THE ROOF TIE DOWN REVOLUTION



BUILDING PRODUCTS

Quicker, easier installations

Improved load bearing

Improved cost and performance efficiency

Burmon Pty Ltd

ABN: 51 162 153 004

Factory: 10 Eliot Drive, Stapylton, Qld 4207

Phone: **1300 781 844**

www.burmon.com

burmon CYCLONE BRACKET

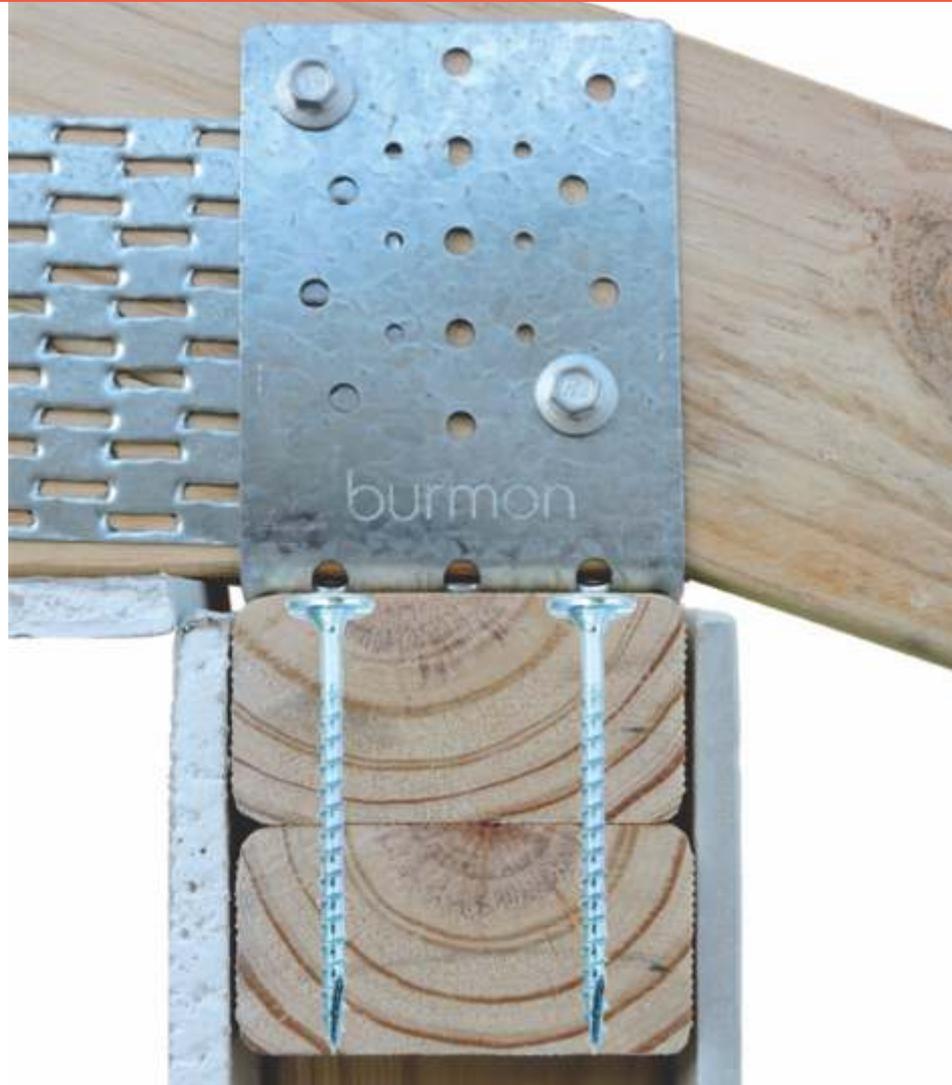
PATENTED: Australian Patent 2013209390

"The best new product that has entered the building industry in the last 10 years"
- Nick Bruin, Multiple Master Builder Award Winner

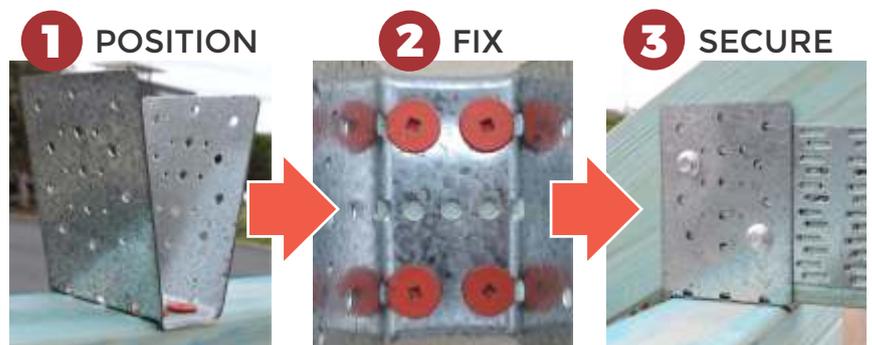
Burmon combines its patented Cyclone Bracket with impact driver technology to deliver the most efficient and effective roof truss tie down system available, saving time and money.

USING BURMON CYCLONE BRACKET GIVES YOU THE ADVANTAGE:

- ✓ Fully tested and certified for use in accord with AS 1684 Residential Timber Framed Construction
- ✓ No coil guns required
- ✓ Suitable for N2, N3, N4, C1-C4 Wind Areas
- ✓ No checking in of straps or triple grips
- ✓ No skew/toe nailing required
- ✓ No hand nailing required
- ✓ Stronger, faster connection
- ✓ Brackets hold trusses in position making bracing easier and safer



EASY TO INSTALL



DOWNLOAD OUR EASY INSTALLATION GUIDE:
<https://burmon.com.au/install>





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CYCLONE BRACKET

PATENTED: Australian Patent 2013209390

SPECIFICATION

STEEL

Grade G300
 Thickness 1.2mm
 Galvanised coating Z275

SCREWS

Burmon red screws
 65mm x 10 gauge, Tufcote
 Burmon hex head screws
 35mm x 12 gauge, Tufcote

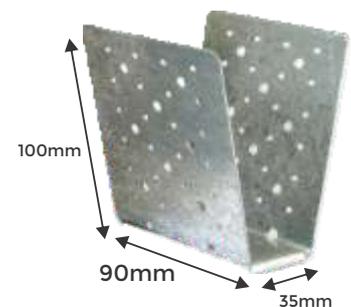


PRODUCT CODES

BCB70x35SCREW



BCB90x35SCREW



COMPLIANCE

The Burmon Cyclone Bracket is fully certified and tested for use in accordance with AS1684 Residential Timber Framed Construction.

NOTES

- The Limit State Design capacities for the Burmon Cyclone Bracket resisting wind uplift are as shown in these tables. Design capacities have been obtained from laboratory testing and procedures given in AS1720.1.
- Wind Uplift capacities are based on AS1720.1:2010 using $k_1=k_2$, for use in conjunction with AS/NZS 1170:2002 load code.
- The specified Burmon Screw must be used in conjunction with the Burmon Cyclone Bracket to achieve load ratings as per load tables.
- Cyclone Bracket (Australian Patent 2013209390) is certified by Registered Structural and Civil Engineers for the Australian Building Industry in accordance with the relevant Australian Standards and Building Codes. Cyclone Bracket is structurally adequate provided it is installed and used in complete accordance with the guide on Burmon brochures and websites.

LOAD DATA

LIMIT STATE DESIGN CAPACITY (kN)

| Number of fixings | Timber joints | | |
|-------------------|---------------|------|------|
| | JD5 | JD4 | JD3 |
| 8 | 6.6 | 9.4 | 13.0 |
| 12 | 9.9 | 14.1 | 19.5 |

FIXING GUIDE

| Number of screws | Position |
|------------------|--|
| 8 | 4 screws into top plate 2 screws each side of the Truss |
| 12 | 6 screws into top plate 3 screws each side of the Truss |

ALSO AVAILABLE

Use Burmon Cyclone Bracket Extreme for even higher load rating - see our website for details

This Engineered Building Product complies with the AS/NZS 1170 Loading Code



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CYCLONE BRACKET for LVL RAFTERS & JOISTS

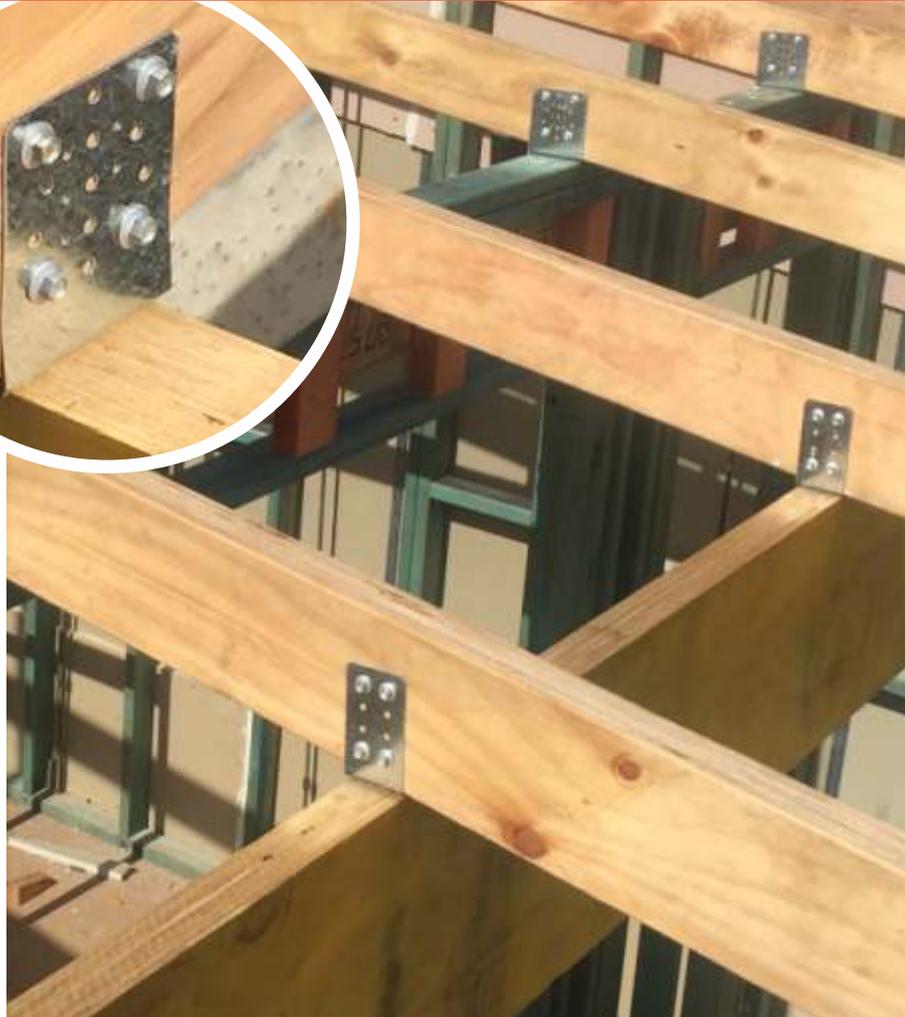
PATENTED: Australian Patent 2013209390

"Structural strength and versatility never looked so good!"

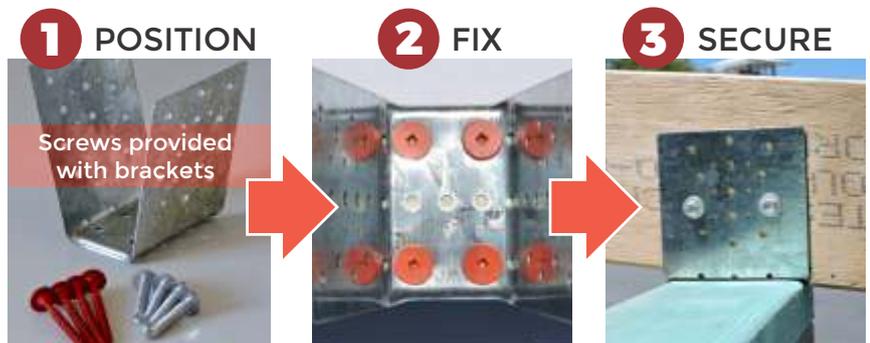
USING BURMON
CYCLONE BRACKET
LVL RAFTER & JOISTS
GIVES YOU THE
ADVANTAGE:



- ✓ Stronger connection securing both sides of the rafter to the top plate/beam
- ✓ Fully tested and certified for use in accord with AS 1684 Residential Timber Framed Construction
- ✓ No coil guns required
- ✓ Suitable for N2, N3, N4, C1-C4 Wind Areas
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www.burmon.com

10 Eliot Drive,
STAPYLTON
Qld 4207 Australia



CYCLONE BRACKET for LVL RAFTERS & JOISTS

SPECIFICATION

STEEL

Grade
Thickness
Galvanised coating

C300
1.2mm
Z275

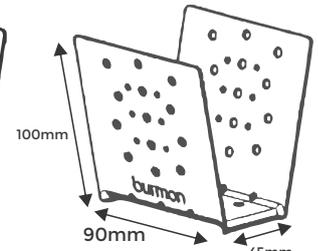
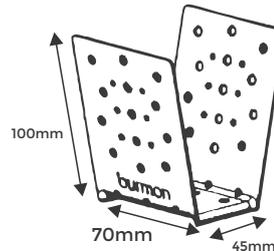
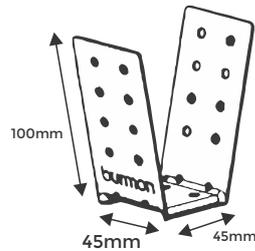
SCREWS

TOP PLATE

Type 17 Burmon square drive
65mm x 10 gauge galvanised

RAFTER

Type 17 Burmon hex head
35mm x 12 gauge



PRODUCT CODES

BCB45x45SCREW

BCB70x45SCREW

BCB90x45SCREW

COMPLIANCE

The Burmon Cyclone Bracket is fully certified and tested for use in accordance with AS1684 Residential Timber Framed Construction.

NOTES

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LOAD DATA

LIMIT STATE DESIGN CAPACITY (kN)

| Number of fixings | Timber joints | |
|-------------------|---------------|------|
| | JD4 | JD3 |
| 8 | 9.4 | 13.0 |
| 12 | 14.1 | 19.5 |

FIXING GUIDE

| Number of screws | Position |
|------------------|---|
| 8 | 4 screws into top plate 2 screws each side of the Rafter |
| 12 | 6 screws into top plate 3 screws each side of the Rafter |

ALSO AVAILABLE

Use Burmon Cyclone Bracket
Extreme for even higher load rating
- see our website for details

This Engineered Building Product complies with the AS/NZS 1170 Loading Code



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CYCLONE BRACKET

for TRUSS CONNECTION to
ICF BLOCK & CMU BLOCK WALL

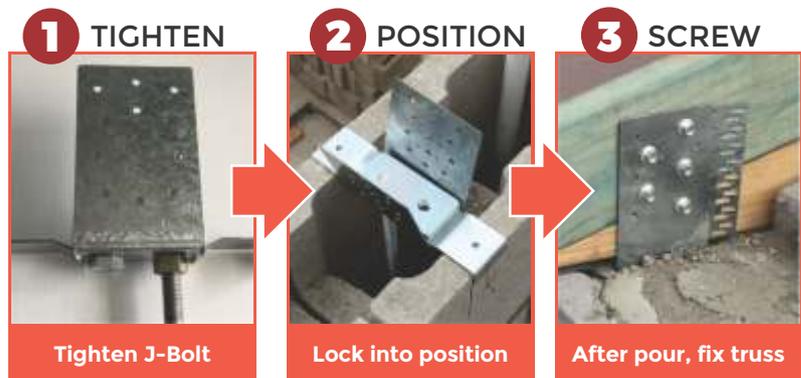
Designed and engineered specifically for concrete construction

USING
BURMON
CYCLONE
BRACKET
GIVES YOU THE
ADVANTAGE:



- ✓ Complies with AS/NZS Loading Codes
- ✓ Cyclone Bracket locks into position at set out point
- ✓ No timber/steel crush on block work
- ✓ Rebar held in place, ready for concrete pour
- ✓ No moisture transfer from block work to truss
- ✓ No drilling through nail plate
- ✓ Bracket provides a clean, level surface
- ✓ Truss screw fixed for stronger, faster connection
- ✓ 24 kN and 42 kN Uplift Capacity options

EASY TO INSTALL

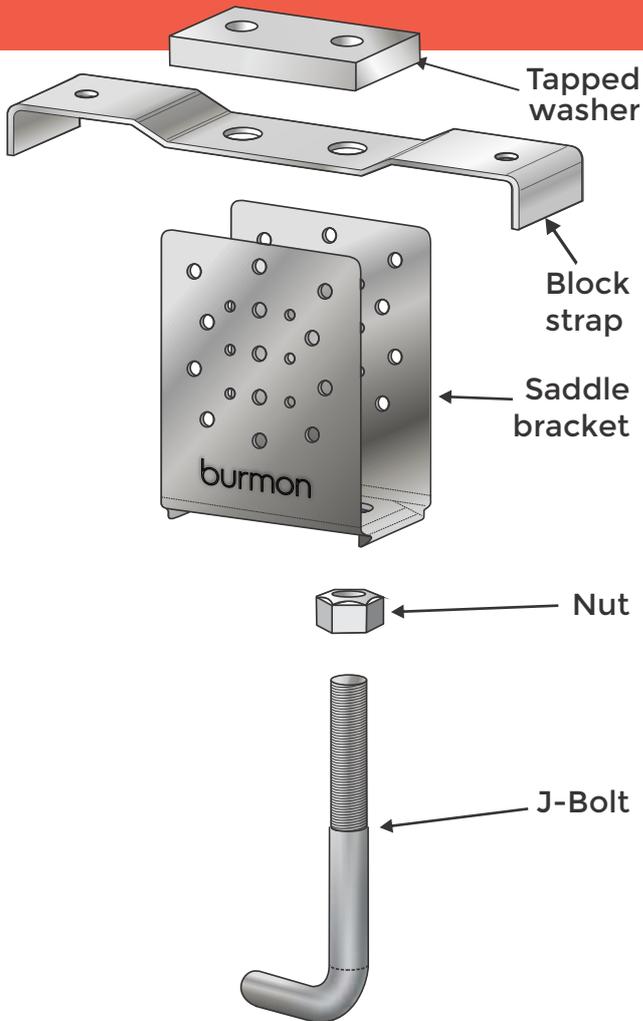


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STANDARD INSTALLATION

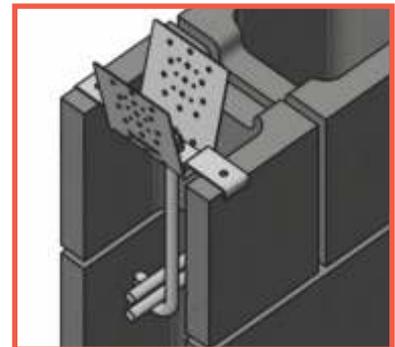


1. Screw J-Bolt and tighten nut to BHBCON prior to concrete pour
2. Position BHBCON at truss set out point prior to concrete pour
3. Screw fix truss to BHBCON with screws supplied after concrete pour

Note: 400mm-long J-Bolt **does not** require to be under Rebar to achieve 24 kN of uplift.

FOR LINTEL INSTALLATION

1. Shorten J-Bolt to depth of Lintel
2. Hook the rebar inside the J-Bolt in Bondbeam as right



SPECIFICATION

STEEL

G300
Galvanised Coating
Burmon Screws 12 Gauge x 35mm

BHBCON comes preassembled.
400mm J-Bolt and Screws supplied in box.

PRODUCT CODE **QTY**
BHBCON 15 per box

LOAD DATA

The limit state design uplift capacity for the Cyclone Bracket (BHBCON) encased in 20MPa Concrete is 24 kN with 1 x 400mm long M12 J-Bolt cast into concrete. For Lintels, see installation instructions above.

| TIE DOWN FOR TIMBER TRUSSES | | | | TIE DOWN FOR STEEL TRUSSES | | | |
|--|-------------------------|-------------------------|-------------------------|-------------------------------|-------------------------|-------------------------|-------------------------|
| Uplift Capacity (kN) | | | | Uplift Capacity (kN) | | | |
| FIXINGS | JD3 | JD4 | JD5 | FIXINGS | 0.75mm | 0.95mm | 1.15mm |
| Screws supplied (30mm x 12 gauge hex head) | 4 each side of truss | 5 each side of truss | 8 each side of truss | 12 gauge (30mm screws) | 4 each side of truss | 6 each side of truss | 6 each side of truss |
| 1 x M12 J-Bolt | 24 kN | 24 kN | 24 kN | 1 x M12 J-Bolt | 21.3 kN | 24 kN | 24 kN |

The Burmon Cyclone Bracket complies with AS/NZS Loading Codes

burmon PERGOLA BRACKET

PATENTED: Australian Patent 2013209390

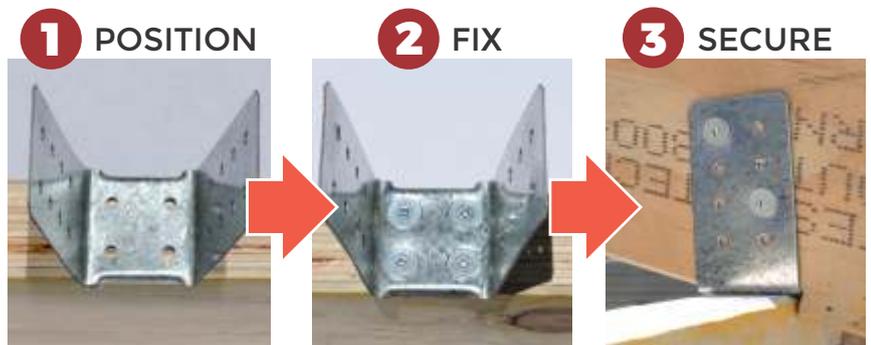
Cyclone Bracket design for Pergolas, Carports, Patios,
Gazebos, Decks and other DIY applications!

USING BURMON
PERGOLA BRACKET
GIVES YOU THE
ADVANTAGE:

- ✓ Clean design looks smart and professional
- ✓ Stronger connection securing both sides of the rafter to the top plate/beam
- ✓ Fully tested and certified for use in accord with AS 1684 Residential Timber Framed Construction
- ✓ No checking in of straps or triple grips
- ✓ Designed specifically for rafter to top plate tie down
- ✓ Fast and easy to install
- ✓ Form 15 supplied for tie down
- ✓ Hot dip galvanised to standards AS/NZS 4680:2006
- ✓ Suitable for N2, N3 & N4 Wind Areas - suitable for C1-C4 Wind Areas with Burmon 65mm screws



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