




PRODUCT DATA

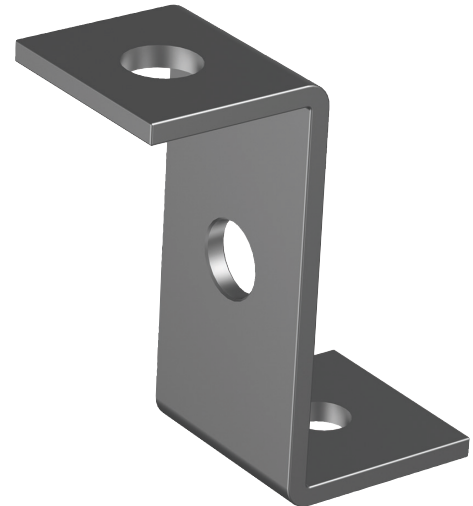
General Purpose Z-Bracket Connector

Galvanised Z-Bracket for repairing, reinforcing or connecting timber and steel. Galvanised for lasting protection and suitable for outdoor use. Designed for use with both M12 and M16 size threaded rod in tie down connections.

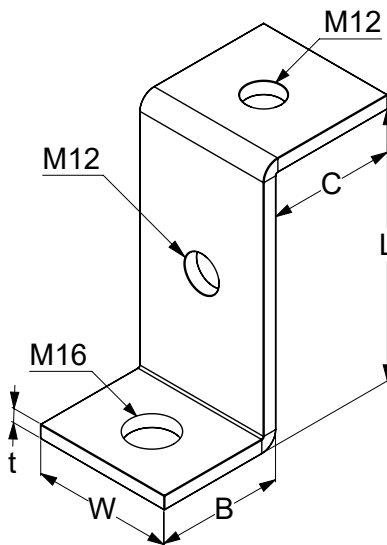
Applications	
<ul style="list-style-type: none"> • Truss tie down connection • Rafter to beam • Top plate to lintel 	<ul style="list-style-type: none"> • Reinforcing timber and steel • Suits M12 and M16 All-thread

Material	 Q235B Structural Steel
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Finish	 Hot Dip Galvanised
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Part	Clearance Hole	Size				
		L (mm)	B (mm)	C (mm)	W (mm)	t (mm)
GTCGZ	M12 & M16	90	40	45	50	5



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Bolt Tension | Anti-Vibration | Product Reliability | Traceability

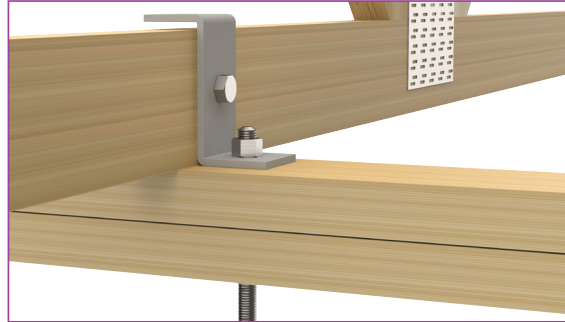
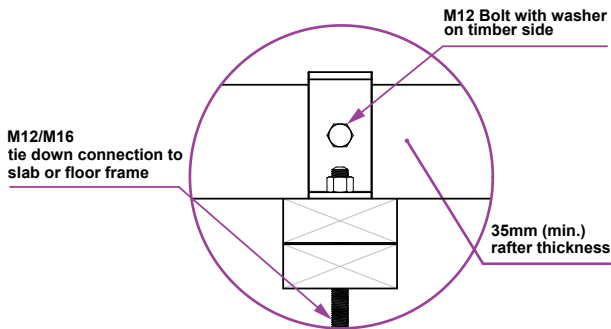
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General Purpose Z-Bracket Connector

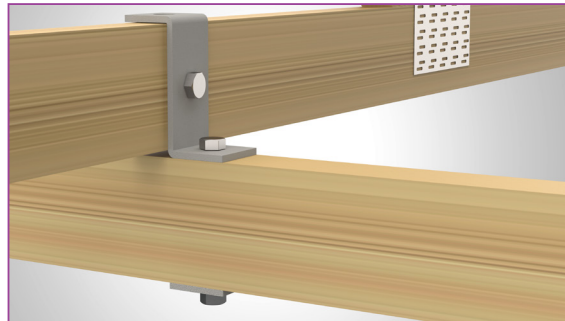
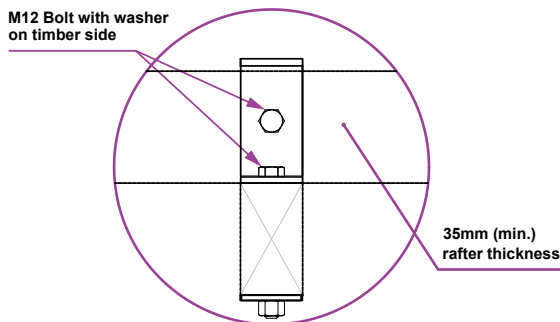
Installation Rafter to Tie Down Connector



Fastener Size	Uplift Capacity (kN)					
	Joint Group					
Bolt Size	J2	J3	J4	JD4	JD5	JD6
M12	27	27	26	20	16	12
M16	50	50	46	35	28	21

Uplift capacities are for top plate to the floor frame or slab. Detail should be in accordance with AS1684. Truss/rafter uplift capacity is assessed separately.

Installation Rafter to Beam



Fastener Size	Uplift Capacity (kN)					
	Joint Group					
Bolt Size	J2	J3	J4	JD4	JD5	JD6
M12	8.8	5.5	3.5	6.1	4.3	3.0

Uplift capacities are for rafter to beam tie down. Detail should be in accordance with AS 1684.

Design Capacity Factor

Design capacities have been derived for category C1 applications. The following adjustment factors should be applied for category C2/C3 applications.

Design Category	C1	C2	C3
Adjustment Factor	1.00	0.94	0.88

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