

EGCM

Concealed Beam Hanger

SIMPSON
Strong-Tie



SCAN FOR MORE INFORMATION

Australia

New Zealand



The EGCM is the ideal connector to use with Solid Wood or Glulam Beams and Headers

The EGCM concealed beam hanger provides a load-tested beam connection with minimal visible hardware. Interlocking plates can be recessed into the beam or post and lock together to create a secure structural connection with a near-invisible joint.

Features & Benefits

- The EGCM concealed connector comes in two parts. A joist plate and header plate, both parts are attached using the CSFT6.0 or TTUFS5.0 depending on load and application. No slots or dowel holes are necessary, speeding up installation.
- Faster than other time-consuming methods and requires removal of less beam material.
- Four sizes address common beam sizes.
- Header Plate can be routed into the supporting beam or post to create a near-invisible joint.
- Concealed connection.
- Multiple applications.
- Can be used in applications requiring uplift resistance.

Applications

- Interior use only in wood-to-wood connections.

Materials

- Structural-grade aluminium, heat-treated for strength, and certified to meet specific engineering standards.
- Joist Plate: 10mm/Locking Tab 6mm (overall 16mm).
- Header Plate: 6mm/Locking Tab 10mm (overall 16mm).



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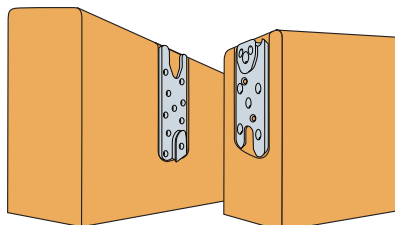
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Installation

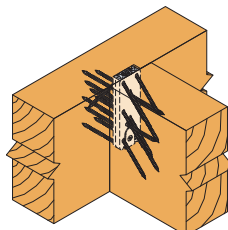
Step 1

Set up and position the connector plates in desired location for rebate of supporting beam or post. Rebate the pocket for header plate using an appropriate router and cutter.



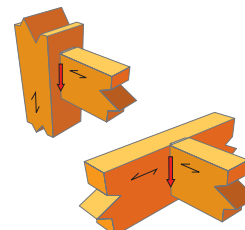
Step 2

Affix both sides of the connector plates using specified fasteners in each hole. Note: TTUFS5.0x50 are used for 45mm thick headers only.



Step 3

Connect the supported beam/joist to the load bearing beam or post by carefully lowering the beam into position from above so the connector plates lock together.

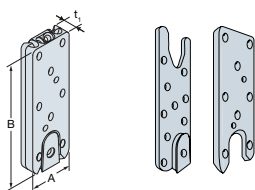


- CAUTION: Only install the EGCM bracket on a flat or upward-sloping surface. Do not use on a downward-sloping surface.
- Note: Order screws separately.

Product Information

Model No.	Joist Size (mm)			Product Dimensions (mm)			Weight (kg)	Header Plate Holes	Joist Plate Holes	CTN Qty	Ea Barcode	Carton Barcode	CTN Dim. (L x W x H) and weight
	Width	Height		A	B	t1							
		Min	Max										
EGCM90	75	135	195	50	90	16	0.17	6	7	20	5701953005528	5701953005658	150 x 290 x 155, 3.38 kg
EGCM150	75	195	270		150	16	0.28	11	12	20	5701953005566	5701953005573	150 x 290 x 155, 5.68 kg
EGCM210	75	255	360		210	16	0.40	18	15	20	5701953005580	5701953005597	150 x 290 x 155, 8.06 kg
EGCM270	75	315	450		270	16	0.52	21	18	20	5701953005535	5701953005542	150 x 290 x 155, 10.42 kg

Dimensions



Product Packaging



EGCM90 - Carton



EGCM150 - Carton



EGCM210 - Carton

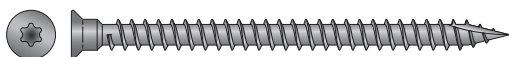


EGCM270 - Carton

Partner Products

Model No.	Size (mm)	Finish	Drive Type	Box Qty	CTN Qty	Box Barcode	CTN Barcode	Box Dim. (L x W x H) and weight
CSFT6.0x85 (77309)	6.0 x 85mm	Zinc Flake	T-20	100	6	7318470262976	7318470262983	95 x 130 x 95, 1.12 kg
CSFT6.0x110 (77310)	6.0 x 110mm	Zinc Flake	T-20	100	4	7318470262990	7318470263003	95 x 195 x 95, 1.47 kg
TTUFS5.0x50 (77634)	5.0 x 50mm	White Electrogalvanised steel	T-25	200	8	7318470265847	7318470265854	95 x 95 x 95, 0.91 kg

CSFT6.0



TTUFS5.0



Designed and Tested

Simpson Strong-Tie® connectors have been designed and tested for use with specific types and sizes of nails or screws.

The specified fastener size, type and quantity must be installed in the correct holes on the connector to achieve published loads.

Other factors such as the fastener material and finish are also important as the use of incorrect fasteners or misinstallation can compromise the connector performance and could lead to failure. Simpson Strong-Tie has a broad range of fasteners designed to suit our range of connectors.

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