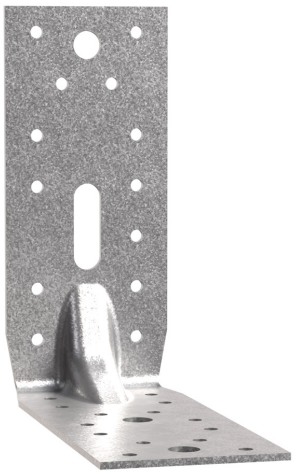
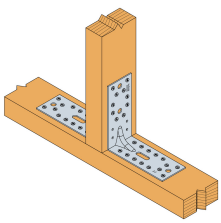
Technical Sheet

E9/2.5

Piastra di fissaggio angolare con nervatura

Le piastre di fissaggio angolari rinforzate sono adatte per applicazioni strutturali in case con struttura in legno e intelaiature.







Features

Materiale

- Pre-galvanised mild steel.

Vantaggi

- Rinforzato
- Applicazioni multiple

Applications

Utilizzabile su

- **Supporting member**: solid wood, glued-laminated wood, concrete, steel, etc.
- **Supported member**: solid wood, composite lumber, glued-laminated wood, triangular trusses, profiles, etc.

Campi di utilizzo

- Fissaggio di piccole capriate
- Piastre di rivestimento, montanti di rivestimento
- Ancoraggi per travi, mensole, testate, ecc.

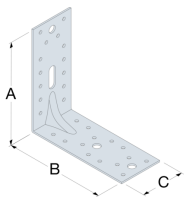
Technical Sheet

E9/2.5

Piastra di fissaggio angolare con nervatura

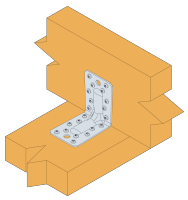
Dati tecnici

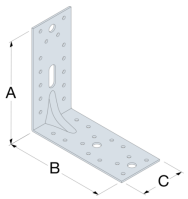
Product dimensions



Riferimento	connettore dimensioni										
	dimensioni del prodotto[mm]				trave[mm]			flangia B[mm]		altro	
	A[mm]	B[mm]	C[mm]	spessore[mm]	rotondo		asola	rotondo		quantità per scatola	peso[kg]
					Ø5[mm]	Ø11[mm]	Ø11x34	Ø5[mm]	Ø11[mm]		
E9/2.5	154	152.5	65	2.5	14	1	1	14	2	50.0	0.35

Simplified characteristic capacities - Beam/beam assembly, max nailing - Connection with 2 brackets





Riferimento	staffa angolare capacità					
	Simplified prodotto capacities - legno beam to legno beam – Max. nailing					
	numero of Fasteners		Characteristic Capacities - legno C24 - 2 Angle Brackets per Connection[kN]			
	trave	flangia B	$R_{1,k}$		$R_{2,k}=R_{3,k}$	
	quantità	quantità	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
E9/2.5	12.0	14.0	5	8.4	9.5	13

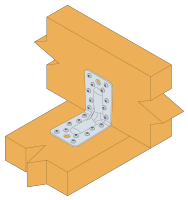
* The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – k_{mod} = 0.9. For other load duration and service class, please refer to the ETA to get more accurate capacities
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

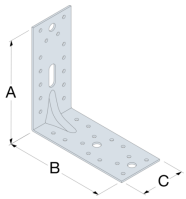
Technical Sheet

E9/2.5

Piastra di fissaggio angolare con nervatura

Simplified characteristic capacities - Beam/beam assembly, min nailing - Connection with 2 brackets

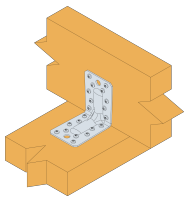


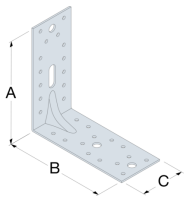


Riferimento	staffa angolare capacità					
	Simplified prodotto capacities - legno beam to legno beam - Min. Nailing					
	numero of Fasteners		Characteristic Capacities - legno C24 - 2 Angle Brackets per Connection[kN]			
	trave	flangia B	$R_{1,k}$		$R_{2,k}=R_{3,k}$	
	quantità	quantità	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
E9/2.5	8.0	6.0	1.9	3.2	6.6	8.9

* The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – k_{mod} = 0.9. For other load duration and service class, please refer to the ETA to get more accurate capacities
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

Characteristic capacities - Beam/beam assembly, max nailing - Connection with 2 brackets





Riferimento	staffa angolare capacità					
	prodotto capacities - legno to legno - Beam to beam - Full nailing					
	numero of Fasteners		capacità caratteristica - 2 angle brackets per connection - full nailing[kN]			
	trave	flangia B	$R_{1,k}$		$R_{2,k}=R_{3,k}$[kN]	
	quantità	quantità	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
E9/2.5	12	14	5.1 / kmod^(-0.1)	8.5 / kmod^(-0.1)	9.5	13

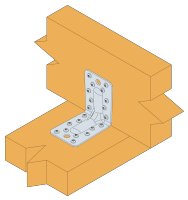
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

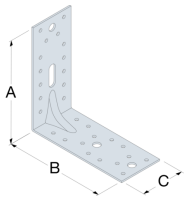
Technical Sheet

E9/2.5

Piastra di fissaggio angolare con nervatura

Characteristic capacities - Beam/beam assembly, min nailing - Connection with 2 brackets

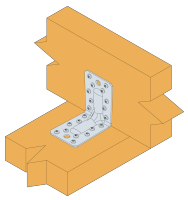


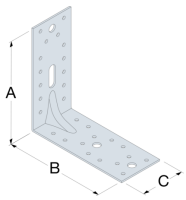


Riferimento	staffa angolare capacità					
	prodotto capacities - legno beam to legno beam - Min. nailing					
	numero of Fasteners		capacità caratteristica - 2 angle brackets per connection - full nailing[kN]			
	trave	flangia B	$R_{1,k}$		$R_{2,k}=R_{3,k}$	
	quantità	quantità	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
E9/2.5	8.0	6.0	2.0 / kmod^(-0.2)	3.4 / kmod^(-0.2)	6.6	8.9

* The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – k_{mod} = 0.9. For other load duration and service class, please refer to the ETA to get more accurate capacities
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

Characteristic capacities - Post/beam assembly - Connection with 2 brackets





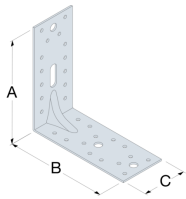
Riferimento	staffa angolare capacità					
	prodotto capacities - legno post to legno beam					
	numero of Fasteners		capacità caratteristica - 2 angle brackets per connection - full nailing[kN]			
	trave	flangia B	$R_{1,k}$		$R_{2,k}=R_{3,k}$	
	quantità	quantità	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50
E9/2.5	10.0	14.0	3.1	5.1	6.7	8.6

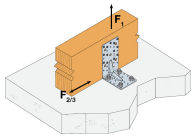
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

Technical Sheet

E9/2.5

Piastra di fissaggio angolare con nervatura





Characteristic capacities - Beam/rigid support assembly - Connection with 2 brackets

Riferimento	staffa angolare capacità				
	prodotto capacities - legno to calcestruzzo				
	numero of Fasteners				capacità caratteristica - 2 angle brackets per connection - full nailing[kN]
	trave		flangia B		$R_{1,k}$
	quantità	tipo	quantità	tipo	CNA4.0x35
E9/2.5	12	CNA*	1	Ø10	6

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in Flange A. Capacities vary depending on fastener type used.
The bolt design resistance requirement R#,d is determined from (bolt factor x connection design load F#,d) for the required load direction and fastener. Refer to the Simpson Strong-Tie anchor product range for suitable anchors. Typical anchor solutions are BOAXII, SET-XP, WA, AT-HP, depending on the concrete type, spacing and edge distances.
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

E9/2.5
Piastra di fissaggio angolare con nervatura

Installazione tipica

Fissaggio

Su legno:

- Chiodi ad anello CNA diam. 4,0 x 35 o diam. 4,0 x 50 mm.
- Viti CSA diam. 5,0 x 35 mm o viti CSA diam. 5,0 x 40 mm.
- Bulloni.
- Viti LAG.

Su calcestruzzo:
Substrato in calcestruzzo

- *Ancorante meccanico*: perno WA M10-78/5 O WA M12-104/5.
- *Ancorante chimico:* resina AT-HP + barra filettata LMAS M10-120/25.

Substrato in mattone cavo

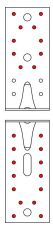
- *Ancorante chimico:* resina AT-HP o POLY-GP + barra filettata LMAS M10-120/25 + schermo SH M16-130

Su acciaio:

- Bulloni

Installazione

1. Approcher l'élément à fixer du support,
2. Pointer l'élément. Celui-ci peut aussi être vissé à l'aide de vis adaptées,
3. Si le support est en bois, l'équerre est aussi pointée ou vissée sur celui-ci,
4. Si le support est en béton, fixer l'équerre en respectant les préconisations de pose de l'ancrage choisi.



Note tecniche

Informazioni tecniche

F1: forza di trazione nell'asse centrale della staffa angolare
Situazione particolare di fissaggio con una sola staffa angolare:

- Se la struttura complessiva impedisce la rotazione dell'arcareccio o del montante, la resistenza a trazione è pari alla metà del valore indicato per due staffe angolari.
- Diversamente la resistenza di connessione dipende dalla distanza “f” tra la superficie di contatto verticale e il punto di applicazione del carico.

F2 e F3: forza laterale di taglio
Situazione particolare di collegamento con una sola staffa angolare:

- Il valore di resistenza da considerare è pari alla metà di quello indicato per due staffe angolari.

F4 e F5: forza trasversale diretta verso o in direzione opposta alla staffa angolare

- La resistenza di connessione dipende dalla distanza “e” tra la base dell'angolare ed il punto di applicazione del carico.
- Per consultare i carichi corrispondenti, contattateci

In questo foglio sono presenti solo le forze F1, F2 e F3 per le connessioni con 2 staffe angolari. Per ulteriori informazioni, contattaci.

Simpson Strong-Tie Italy C/O Friulsider S.P.A.
Via Trieste, 1, 33048 San Giovanni al Natisone (UD)
+39 0432 747911
info@friulsider.com
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PEC friulsider@legalmail.it