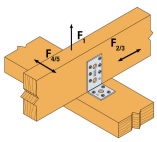
Technical Sheet

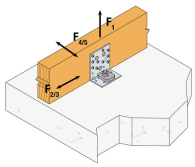
AE

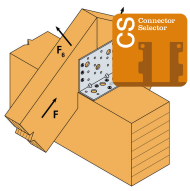
Piastra di fissaggio angolare con nervatura

Le piastre angolari AE sono utilizzate per assemblaggi legno-legno o assemblaggi su calcestruzzo.
AE16 è adatto per l'assemblaggio di travi a vista sulla piastra del colmo.













Features

Materiale

- Acciaio zincato S250GD + Z275 secondo EN 10346

Vantaggi

- Carico in tutte le direzioni
- Connessione legno/calcestruzzo

Applications

Applicazioni

- **Elemento di supporto:** legno massiccio, legno lamellare, calcestruzzo, acciaio, ecc.
- **Elemento secondario:** legno massiccio, legno composito, lamellare, capriate, profili, ecc.

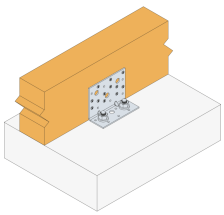
Utilizzo

- Utilizzato per assemblaggi legno-legno o legno/calcestruzzo.

AE48

AE76

AE116



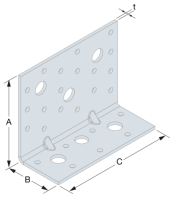
Technical Sheet

AE

Piastra di fissaggio angolare con nervatura

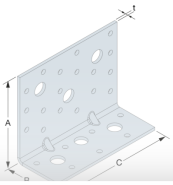
Dati tecnici

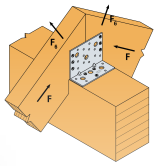
Product dimensions



Riferimento	connettore dimensioni											
	altro				dimensioni del prodotto[mm]				trave[mm]		flangia B[mm]	
	Tun / DB nr.	NOB nr.	quantità per scatola	peso[kg]	A[mm]	B[mm]	C[mm]	spessore[mm]	rotondo		rotondo	
									Ø5[mm]	Ø13	Ø5[mm]	Ø13[mm]
AE48	3779212	21220751	100.0	0.13	90	48	48	3	7	2	4	1
AE76	-	21594528	100.0	0.21	90	48	76	3	12	3	7	1
AE116	7742216	21594536	50.0	0.34	90	48	116	3	18	3	7	3

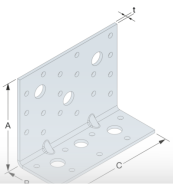
Product capacities - Beam to beam - Maximum nailing

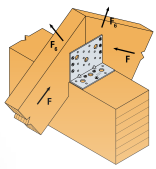




Product capacities - Beam to beam - Maximum nailing
See full table online ➡️

Product capacities - Beam to beam - Partial nailing



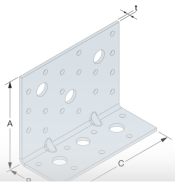


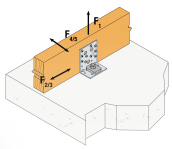
Product capacities - Beam to beam - Partial nailing
See full table online ➡️

Technical Sheet

AE

Piastra di fissaggio angolare con nervatura



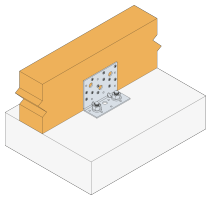


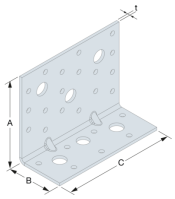
Characteristic capacities - Timber to concrete

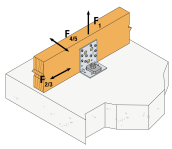
Characteristic capacities - Timber to concrete
See full table online ➡️

Riferimento	num											connection - full nailing	
	trave												
	quantità											CNA4.0x60	CNA4.0x3
AE48	6	CNA*	1	M12	min: 12.3 ; 12.6/kmod	min: 14.9 ; 12.6/kmod	12.6/kmod	12.6/kmod	1.9	2.1	3.2	3.5	-

Simplified characteristic capacities - Timber to concrete



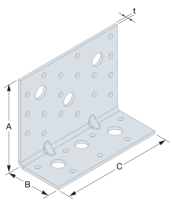




Riferimento	staffa angolare capacità											
	Simplified prodotto capacities - legno to calcestruzzo											
	numero of Fasteners				Characteristic Capacities - legno C24 - 2 Angle Brackets per Connection[kN]							
	trave		flangia B		$R_{1,k}$				$R_{2,k}=R_{3,k}$			
	quantità	tipo	quantità	tipo	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60	CNA4.0x35	CNA4.0x40	CNA4.0x50	CNA4.0x60
AE48	6.0	CNA	1.0	M12	12.3	14	14	14	1.9	2.1	3.2	3.5
AE76	-	-	-	-	-	-	-	-	-	-	-	-
AE116	12.0	CNA	2.0	M12	20.7	25.1	31.2	31.2	23	25.8	25.5	27.7

** Refer to Characteristic Capacity table columns for type of fasteners that can be used in Flange A. Capacities vary depending on fastener type used.*
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.
*** The published characteristic capacity is based on short term load duration and service class 2 according to EC5 (EN 1995) – kmod = 0,9. For other load duration and service class, please refer to the ETA to get more accurate capacities*

Product capacities - CLT Beam to CLT beam - Ø12 connector screws - 2 angle brackets



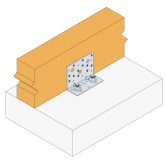
Riferimento	staffa angolare capacità					
	prodotto capacities - CLT beam to CLT beam - Ø12 connettore viti - 2 angle brackets					
	Characteristic capacities - legno CLT- 2 angle brackets per connection[kN]		numero of Fasteners			
	$R_{1,k}$	$R_{2,k}=R_{3,k}$	trave		flangia B	
	SSH12x80	SSH12x80	quantità	tipo	quantità	tipo
AE48	-	-	-	-	-	-
AE116	33	29.5	3.0	SSH	3.0	SSH

Technical Sheet

AE

Piastra di fissaggio angolare con nervatura

Product capacities - CLT beam to rigid support - Ø12 connector screws - 2 angle brackets



Riferimento	staffa angolare capacità					
	prodotto characteristic capacities - CLT beam to rigid supporto - Ø12 connettore viti - 2 angle brackets					
	Characteristic capacities - legno CLT- 2 angle brackets per connection[kN]		numero of Fasteners			
	$R_{1,k}$	$R_{2,k}=R_{3,k}$	flangia B		trave	
	SSH12x80	SSH12x80	quantità	tipo	quantità	tipo
AE48	-	-	-	-	-	-
AE76	-	-	-	-	-	-
AE116	48.8	61.9	2.0	Ø12	3.0	SSH

AE
Piastra di fissaggio angolare con nervatura

Installazione tipica

Fissaggi

Legno a legno:

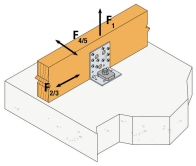
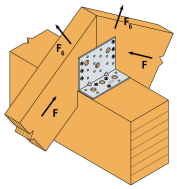
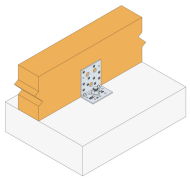
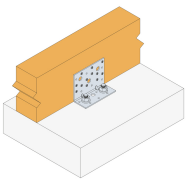
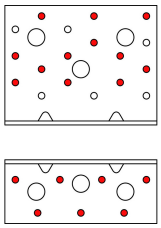
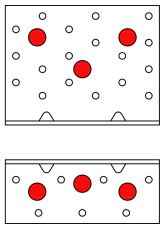
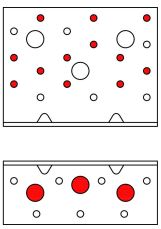
- Chiodi CNA Ø4 o viti CSA Ø5

Legno a calcestruzzo:

- Uno o due bulloni M12 bolts con rondella.

Trave X-Lam a trave X-Lam:

- WOOD TOP TL o SSH Ø 12.0 x 80 mm (per AE116)

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