Technical Sheet

ABR-S
Nerezový úhelník (100S)

Úhelníky ABR jsou vhodné pro spoje, kde je požadována velká síla spojení. ABR jsou opatřeny žebry. Standardní nerez lze použít v konstrukcích, které jsou kladeny zvláštní požadavky na odolnost proti korozi.



Features

Material

Stahlqualität:

- Edelstahl 1.4401 bzw. 1.4404 (V4A) gemäß EN10088.
- Die von uns verwendeten Edelstahlsorten sind der Korrosionswiderstandsklasse III

Vorteile

- Hohe Steifigkeit durch beidseitiger Aufkantung
- Hohe Belastungswerte
- Optimiertes Nagelbild
- ABR-S (100): Bohrungen Ø12mm für M10er Bolzen
- ABR-S (100): Betonanschluss mit nur einem Bolzen möglich

Applications

Anwendbare Materialien

Auflager:

- Holz, Beton, Stahl

Aufzulagerndes Bauteil:

- Holz, geeignete Holzwerkstoffe

Anwendungsbereich

- zur Befestigung von Holz auf Beton



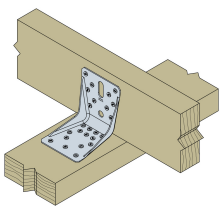
Équerre de structure Inox ABR100S

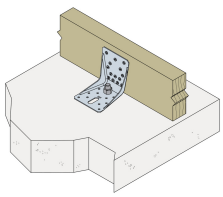


Fixation bois/bois



Fixation bois/support rigide







Équerre de structure Inox ABR100S



Équerre de structure Inox ABR100S



Fixation bois/bois



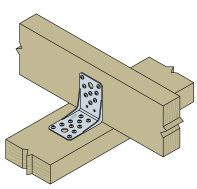
Fixation bois/support rigide

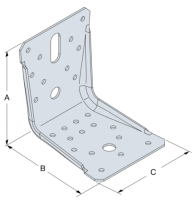
Technical Sheet

ABR-S
Nerezový úhelník (100S)

Technical Data

Rozměry a typické hodnoty

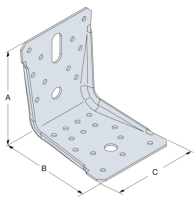


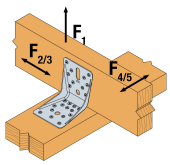


Reference	konektor rozměry												
	rozměry výrobku[mm]				nosník[mm]				příruba B[mm]			ostatní	
	A[mm]	B[mm]	C[mm]	tloušťka[mm]	kulatý			oválný	kulatý			množství v krabici	hmotnost[kg]
					Ø5[mm]	Ø12	n	Ø12x32	Ø5[mm]	Ø12	n[mm]		
ABR100S	100	100	90	2	10	1	-	1	14	1	-	50.0	0.26

kombinierte Belastung:
\sqrt{\left (\frac {F_{1,d}} {R_{1,d}} + \frac {F_{4/5,d}}{R_{4/5,d}} \right)^2 + \left (\frac{F_{2/3,d}}{R_{2/3,d}} \right)^2} \le 1

Product capacities - Beam to beam - Full nailing





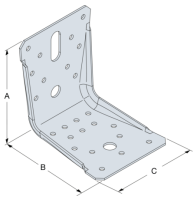
Reference	úhelník únosnost							
	výrobek capacities - dřevo to dřevo - Full nailing							
	počet of Fasteners		charakteristická únosnost - 2 angle brackets per connection - full nailing[kN]					
	nosník	příruba B	$R_{1,k}$		$R_{2,k}=R_{3,k}$		R4,k = R5,k(1)	
	množství	množství	CNA4.0x50	CSA5.0x40S	CNA4.0x50	CSA5.0x40S	CNA4.0x50	CSA5.0x40S
ABR100S	10.0	14.0	15.4	min (25.6 ; 25.1/kmod)	14.2	20.3	4.2	4.2

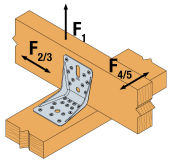
[1] b = 75 mm ; e = 130 mm
Combined load:
\sqrt{\left (\frac {F_{1,d}} {R_{1,d}} + \frac {F_{4/5,d}}{R_{4/5,d}} \right)^2 + \left (\frac{F_{2/3,d}}{R_{2/3,d}} \right)^2} \le 1
To obtain the resistance values for a single bracket, the values in the above table should be divided by two, provided that the supported beam is locked in rotation. Please consult our ETA-06/0106 if the beam is free to rotate.

Technical Sheet

ABR-S

Nerezový úhelník (100S)





Product capacities - Timber to Concrete

Reference	úhelník únosnost								
	výrobek capacities - dřevo to beton								
	počet of Fasteners				charakteristická únosnost - 2 angle brackets per connection - full nailing[kN]				
	nosník		příruba B		$R_{1,k}$		$R_{2,k}=R_{3,k}$		$R_{4/5,k}$
	množství	typ	množství	typ	CNA4.0x35	CNA4.0x50	CNA4.0x35	CNA4.0x50	CNA4.0x50
ABR100S	1	Ø10	10	CNA*	16.7	min (26.6 ; 21.6/kmod)	7.3	10.8	10.4

* Refer to Characteristic Capacity table columns for type of fasteners that can be used in Flange A. Capacities vary depending on fastener type used.
1) b = 75 mm ; e = 130 mm
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.
Combiend load :
\sqrt{\left (\frac {F_{1,d}} {R_{1,d}} + \frac {F_{4/5,d}}{R_{4/5,d}} \right)^2 + \left (\frac{F_{2/3,d}}{R_{2/3,d}} \right)^2} \le 1
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.

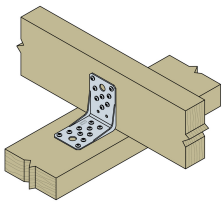
Installation

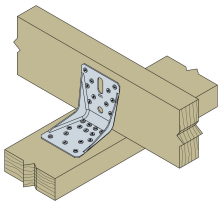
Befestigung

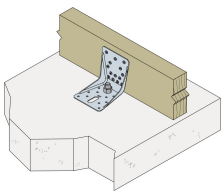
- Für die Befestigung müssen rostfreie Kammnägel, Schrauben oder Bolzen der vergleichbaren Stahlqualität verwendet werden, um Kontaktkorrosion zu vermeiden

Instalace

- konektor LSSU lze upravit na místě v požadovaném úhlu.
- na šikmé spoje
- úhel +/- 45 °

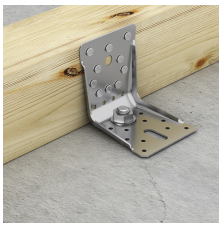








Fixation bois/bois



Fixation bois/support rigide

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