Technical Sheet

ACW
Connector for Curtain Wall

This connector was developed to be used with timber curtain wall on concrete floor. It can be used in several configuration depending on the installation. Its special shape allows it to take important load without any deformation.



Features

Product Material / Thickness:

S250GD + Z275 in 2,5mm

Features & Benefits

One product to be use in several cases.

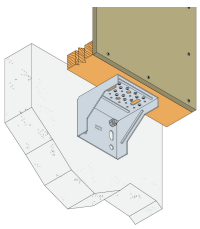
Applications

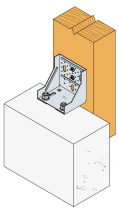
Support

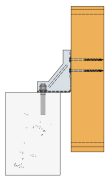
A

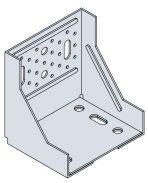
Application Field

A











Timber Wall under connector in front of the floor



Timber Wall on connector in front of the floor

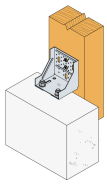


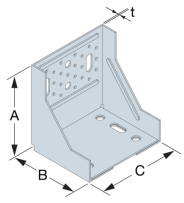
Timber Wall under connector in front of the floor

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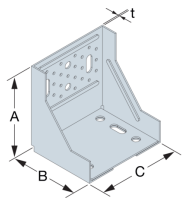
Technical Data





Rozměry a typické hodnoty

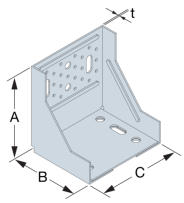
Reference	konektor rozměry										
	ostatní		rozměry výrobku[mm]				nosník			příruba B	
	množství v krabici	hmotnost[kg]	A[mm]	B[mm]	C[mm]	tloušťka[mm]	kulatý		oválný	kulatý	oválný
							Ø[mm]	n	Ø13x30	Ø14[mm]	Ø13x30
ACW155	6.0	1.3	154	123	150	2.5	33	2	3	4	2



Characteristic capacities - Timber to rigid support - Middle of concrete

Reference	úhelník únosnost							
	výrobek capacities - dřevo to beton							
	počet of Fasteners				Characteristic capacities - dřevo C24 - Middle of beton[kN]			
	nosník		příruba B		$R_{1,k}$	$R_{2,k}=R_{3,k}$	R4,k	R5,k
	množství	typ	množství	typ	CNA4.0x35	CNA4.0x35	CNA4.0x35	CNA4.0x35
ACW155	13.0	CNA4.0x35	2.0	Ø12	16.3	15.3	21.1	5

Please note that the loads given in this table are maximum loads. If the anchors don't resist to these loads, they will be reduced.
These capacities are valid with anchors in holes close to the bend
The capacities are given for timber element that can't rotate.



Characteristic capacities - Timber to rigid support - Near concrete edge

Reference	úhelník únosnost								
	výrobek capacities - dřevo to beton								
	počet of Fasteners				Characteristic capacities - dřevo C24 - Near beton okraj[kN]				
	nosník		příruba B		$R_{1,k}$	$R_{2,k}=R_{3,k}$	R4,k	R6,k	R5,k
	množství	typ	množství	typ	CNA4.0x35	CNA4.0x35	CNA4.0x35	CNA4.0x35	CNA4.0x35
ACW155	13.0	CNA4.0x35	2.0	Ø12	8.8	8.9	6	21.2	11.4

Please note that the loads given in this table are maximum loads. If the anchors don't resist to these loads, they will be reduced.
These capacities are valid with anchors in holes far from the bend

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Installation

Befestigung

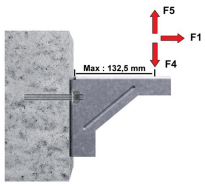
On concrete: 2 Throughbolt Ø12 or resin anchor + 2 threaded rod Ø12 (See bolt pattern)
Due to the high loads, the anchors resistance must be checked. The resistance of the ACW155 can be limited by the anchors.
On timber: 15 Nails CNA4.0x35 (see nail pattern) or bolt Ø10 or wood screw.

Timber Element

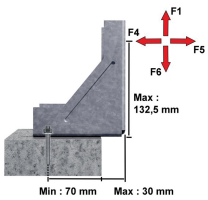
All the timber elements attached to the angle bracket, must be designed by a skilled person. The timber element must be checked for splitting, deformation, load capcity and other possible failure.

Instalace

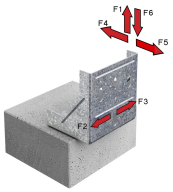
- konektor LSSU lze upravit na místě v požadovaném úhlu.
- na šikmé spoje
- úhel +/- 45 °

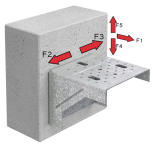


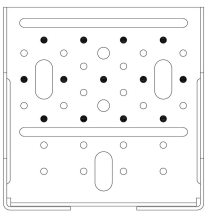
Load Direction

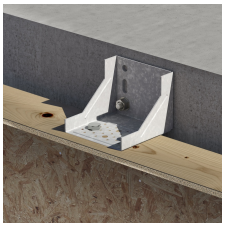


Load Direction









Timber Wall under connector in front of the floor



Timber Wall on connector in front of the floor



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