



Straviwood WallBracket Datasheet

Straviwood WallBracket is an angle bracket for structural joints with acoustical decoupling features thanks to an excellent behaviour of resilient pads in the bracket giving a significant reduction of flanking sound transmissions. The bracket is ideal for CLT constructions where shear and vertical load distribution between structural elements is intended.

CHARACTERISTICS

- Ideal for wall-floor decoupling in CLT constructions
- Suited for all wood-based materials
- Compression via foolproof system
- No additional tooling required for correct installation
- Galvanized steel
- Height: 4-3/4" (120 mm)

DIMENSIONS

Length [inch (mm)]	Width [inch (mm)]	Height [inch (mm)]	Fastening Holes		t [inch (mm)]
			Flange A	Flange B	
4-3/4 (120)	4 (100)	4-3/4 (120)	3Ø7/16" (3Ø11)	3Ø7/16" (3Ø11)	3/16 (4)

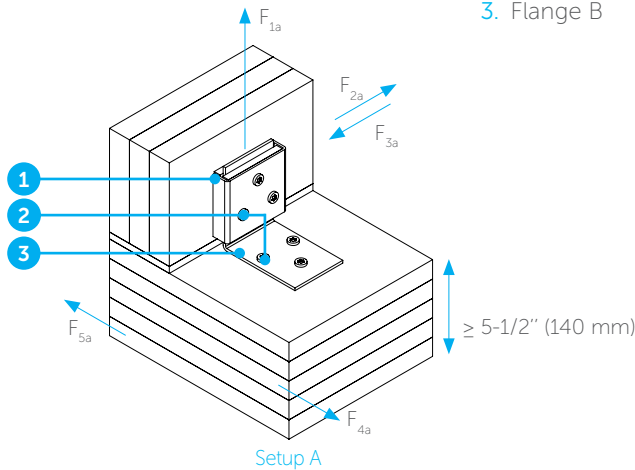


MECHANICAL PROPERTIES

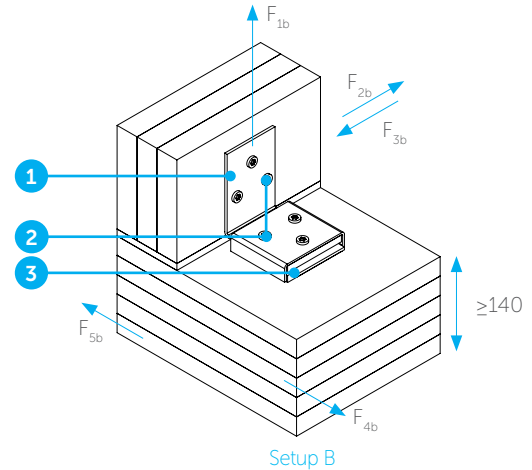
- Characteristic strengths and stiffnesses per connection per direction obtained from mechanical testing.
- Valid for one bracket timber to timber.
- Applicable for moisture content in service class 1 & 2 (EN 1995-1-1:2004+A1:2008).
- Referential values valid when using 3 HECO-TOPIX-plus 3/8" x 4" (10x100 mm), flange head screws (ETA-19/0553) per flange, and CLT C24 of 4-3/4" (120 mm) thickness with 3 layers of 1-9/16" (40 mm).
- Extension of these values to other fasteners or other CLT types should be assessed according to the existing regulations by the structural engineer of the specific project.
- The amount of brackets per linear meter needs to be calculated on a project basis by the structural engineer.

	R _{1,k} [kips (N)]	K _{ser,1} [kips/in (N/mm)]	R _{2/3,k} [kips (N)]	K _{ser,2/3} [kips/in (N/mm)]	R _{4,k} [kips (N)]	K _{ser,4} [kips/in (N/mm)]	R _{5,k} [kips (N)]	K _{ser,5} [kips/in (N/mm)]
Setup A	1.44 (6391)	3.79 (664)	1.29 (5746)	2.65 (463)	1.75 (7783)	3.31 (579)	2.5 (11130)	4.57 (799)
Setup B	1.75 (7783)	3.31 (579)	1.29 (5746)	2.65 (463)	1.44 (6391)	3.79 (664)	3.08 (13683)	8.72 (1526)

1. Flange B
2. Screw holes [3Ø7/16" (3Ø11mm)]
3. Flange A



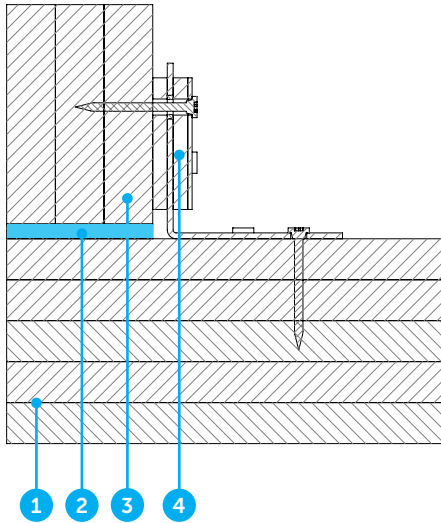
1. Flange A
2. Screw holes [3Ø7/16" (3Ø11mm)]
3. Flange B



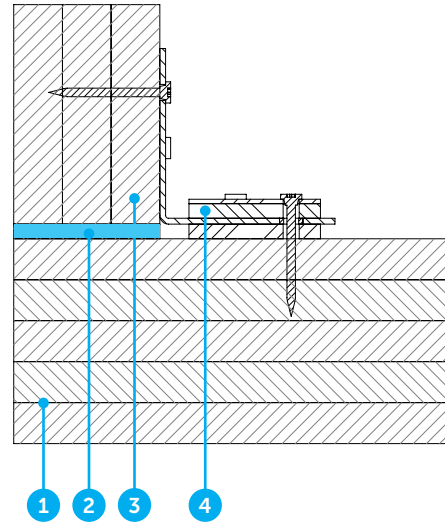


TYPICAL ASSEMBLIES

1. Structural CLT floor
2. Straviwood WallBreak-S



3. CLT wall
4. Straviwood WallBracket



DISCLAIMER

This information is accurate to the best of our knowledge at the time of issue. Information, data and recommendations provided are based on industry accepted testing and prior product usage. It is intended as descriptive of the general capabilities and performance of our products and does not endorse applicability for any particular project. We reserve the right to change products, performance, and data without notice. This document replaces all information supplied prior to the publication hereof.