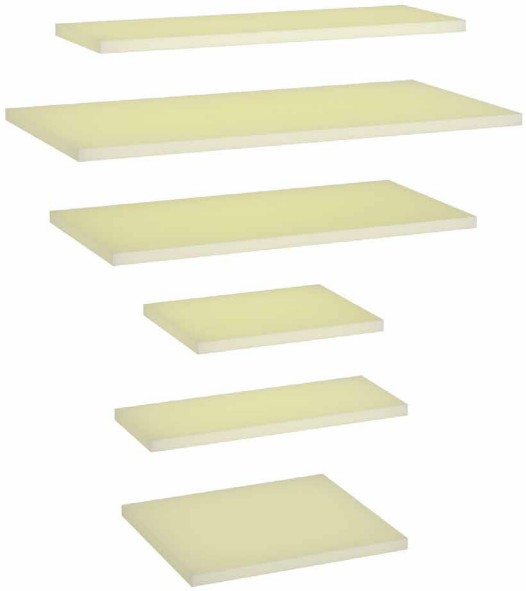
XYLOFON PLATE

SEPARATING PROFILE FOR TIMBER SHEAR BRACKET ANGLES

FLANKSOUND
EN ISO 10848

CE
ETA-11/0496
ETA-22/0089



ACOUSTIC BRIDGES

The excellent shear strength of the angle bracket and the sound-absorbing power of the profile allow acoustic bridges to be limited.

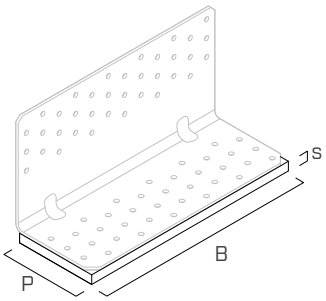
CE MARKING FROM ETA

The profile is covered by the CE marking from ETA-11/0496 and ETA-22/0089 of the angle brackets, ensuring reliability and quality.

CODES AND DIMENSIONS

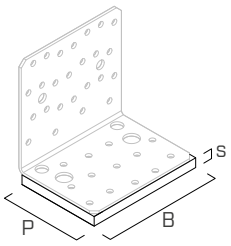
SEPARATING PROFILE FOR TITAN

CODE	TITAN	P [mm]	B [mm]	s [mm]	*P [in]*	*B [in]*	*s [in]*	pcs
XYL3570200	TTF200	70	200	6,0	*2 3/4*	*8*	*1/4*	10
XYL35120240	TTN240 - TTS240	120	240	6,0	*4 3/4*	*9 1/2*	*1/4*	10
XYL35100200	TCF200 - TCN200	100	200	6,0	*4*	*8*	*1/4*	10



SEPARATING PROFILE FOR NINO

CODE	NINO	P [mm]	B [mm]	s [mm]	*P [in]*	*B [in]*	*s [in]*	pcs
XYL3580105	NINO100100	80	105	6,0	*3 1/8*	*4 1/8*	*1/4*	10
XYL3555150	NINO15080	55	150	6,0	*2 3/16*	*6*	*1/4*	10
XYL35120105	NINO100200	120	105	6,0	*4 3/4*	*4 1/8*	*1/4*	10



For more information on TITAN and NINO see the data sheets at www.rothoblaas.com.

RANGE EXPANDED

The range has expanded with new versions for NINO, the new angle bracket unit in the Rothoblaas family.

UNIFORM DEFORMATION

Thanks to the monolithic polyurethane compound, the product ensures uniform deformation in the vicinity of the connection, minimally affecting the structural performance of the connections.

XYLOFON PLATE | Tests performed

MECHANICAL ACOUSTIC BEHAVIOUR

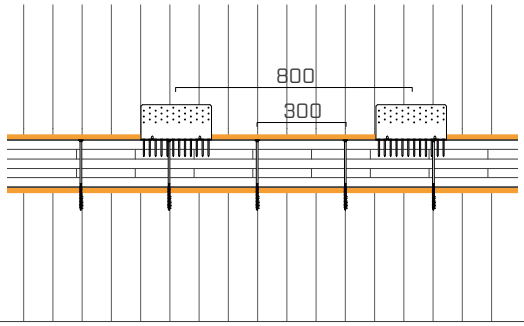
TITAN and NINO angle brackets, with a resilient XYLOFON PLATE profile, were subjected to a series of tests to understand their acoustic and mechanical behaviour. The experimental campaigns carried out within the SEISMIC-Rev project and in collaboration with multiple research institutes, have shown how the characteristics of the resilient profile influence the mechanical performance of the connection. From an acoustic point of view, with the Flanksound project, it has been demonstrated that the ability to dampen vibrations through the joint is strongly influenced by the type and number of connections.

Experimental investigations and tests on **different configurations**

FLANKSOUND PROJECT

Rothoblaas invested in research projects aimed at measuring the K_{ij} vibration reduction index for a variety of CLT panel joints, with the dual objective of providing specific experimental data for the acoustic design of CLT buildings and contributing to the development of calculation methods.

Values of **K_{ij}** tested for 8 configurations with **TITAN SILENT** (TITAN angle bracket + XYLOFON PLATE)



MECHANICAL BEHAVIOUR

Shear strength values tested and certified according to ETA.
The specimens were brought to failure to investigate their maximum load and displacements.

Up to **34,6 kN** shear strength with **NINO** and **XYLOFON PLATE**

Use the QR-code to download the complete manual!
www.rothoblaas.com