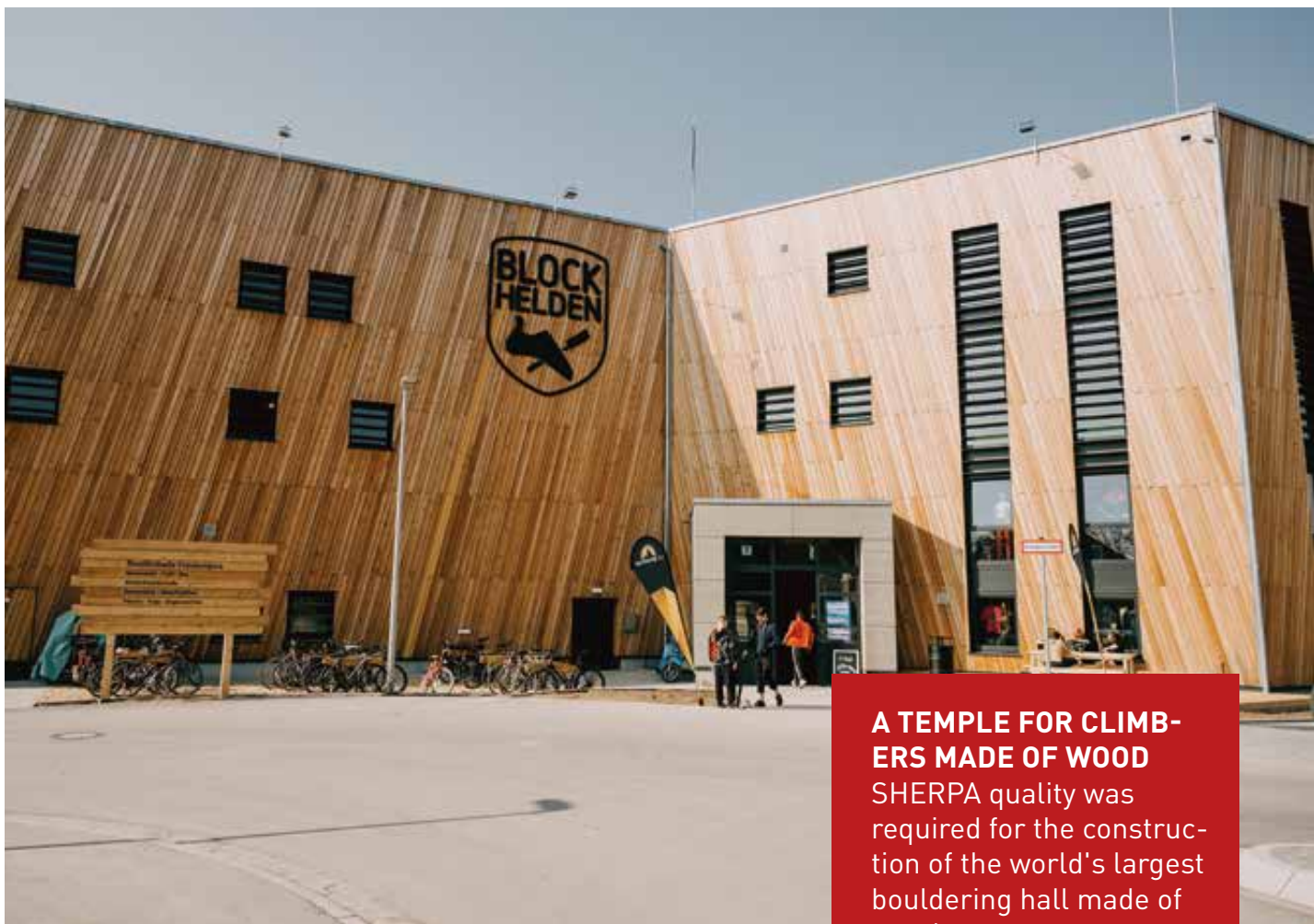


SHERPA news

THE MAGAZINE
10/2022



A TEMPLE FOR CLIMBERS MADE OF WOOD

SHERPA quality was required for the construction of the world's largest bouldering hall made of wood.

SHERPA SONUS

The world novelty in soundproofing angles for wood construction.

WITH QUALITY

FISCH-Tools manufactures aluminum system connectors for SHERPA.

TOBIAS WIEGAND

What is the Studiengemeinschaft Holzleimbau?



SYSTEM SCREWS

Longer screws +80% more performance



Longer screws provide increased performance while reducing costs.

This applies to the following connector series:

M-series

Standard screw length: 6.5 x 65 mm
Alternatives: 6.5 x 85 and 6.5 x 105 mm

L-series

Standard screw length: 8.0 x 100 mm
Alternatives: 8.0 x 120 and 8.0 x 140 mm

XL/XXL-series

Standard screw length: 8.0 x 160 mm
Alternatives: 8.0 x 180 and 8.0 x 200 mm

Example



^ L60 with 8.0 x 100 mm

**FULL POWER
-40% COST**



^ M40 with 6.5 x 105 mm




EDITORIAL

Fit for a future full of opportunities

Together with our customers and partners, we can look back on a very successful year so far. The joint success is borne by all those people who are enthusiastic about SHERPA connection systems. On almost every continent, engineers and trade professionals trust in the performance of our products and the know-how of our employees. We are proud of and grateful for each and every partnership.

In recent months, the signs for future construction have changed in almost all markets. The number of projects is expected to decrease. However, the prospects for wood as a material remain very good. A renewable and CO₂-neutral building material that can be easily processed in addition to its high performance is fit for a challenging future.

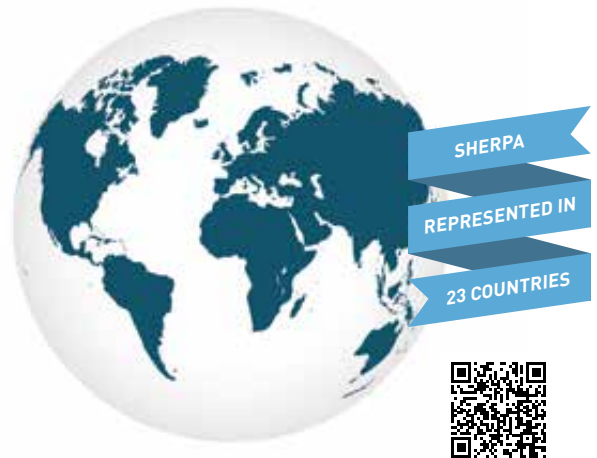
With our joining systems, high added value remains in the processing company. This applies not only to the craftsman who builds the most complex load-bearing structures from wooden members, but also to the CLT or BSH manufacturer who already integrates our fasteners in the factory to prepare for rapid assembly on the construction site.

Living partnerships of value creation in which everyone makes an active contribution to success - that is our world.

We thank you for your trust and look forward together to a future full of opportunities.

Vinzenz Harrer

Managing Director of SHERPA Connection Systems GmbH


SHERPA Connection Systems GmbH

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 All references to individuals apply equally to both genders.
 Circulation: 15,000 pieces

SUCCESS STORY

Largest climbing temple made of wood





Photos: Marian Lenhard



^ The two youth friends and "block heroes" makers Simon Herr (left) and Simon Brünner

The world's largest bouldering hall in timber construction, a project of Blockhelden GmbH, is located in the Franconian town of Bubenreuth (Germany). SHERPA was allowed to contribute to this success story on the recommendation of Rudolf Hörmann GmbH & Co. KG, SHERPA was able to contribute a chapter to this success story.

The childhood friends Simon Brünner, actually a designer, and Simon Herr, actually a physicist, have shared a passion for climbing since their childhood days. This passion was the foundation stone for their later joint entrepreneurial activity. With their Blockhelden GmbH, they operate several bouldering halls.

Open in March

What is bouldering? Bouldering is climbing without a rope and harness on boulders, rock walls or even artificial climbing walls in bouldering halls. The world's largest bouldering hall in timber construction is now located in Bubenreuth in the Erlangen-Höchststadt district of central Franconia (Germany). The newly built bouldering hall "Frankenjura" is the gem of Blockhelden GmbH.

10,5 million euros

The complex consists of two hexagonal buildings of timber frame construction

with a floor area of 2,200 square meters. The usable area is 4,000, the pure bouldering area 2,500 square meters on up to nine levels. 1,200 cubic metres of wood were used in the construction. In comparison: an average roof truss of a single-family house consists of about 30 cubic metres of wood. "Building with wood is a sensible way to protect nature. In 30, 40 or 50 years, the building will be deconstructed. Except for the copper, virtually everything can be thrown on a solstice bonfire in the end," Simon Brünner and Simon Herr smile.

SHERPA recommended

SHERPA also had a hand in the "Frankenjura" success story and, on the recommendation of the partner company Rudolf Hörmann GmbH & Co. KG from Buchloe, SHERPA contributed its own chapter with the innovative connection solutions made in Austria. Specifically, the Hörmann company carried out the approval and implementation planning,



SHERPA connectors were used in the construction of the bouldering hall. >



the structural calculations as well as the construction and installation of the outer shell. "SHERPA's connectors made it possible to carry out the challenging construction of the bouldering hall so efficiently in the first place," report Brünner and Herr. Planning and calculation were very easy, especially as the SHERPA connectors can be used everywhere due to their different sizes. The quality products also made the work easier in terms of fire protection (F60 construction, building class 5). "Because the SHERPA connections are not visible and are concealed," Brünner and Herr reason.

Largest open timber construction

Speaking of fire protection: Being the "biggest" was never the goal of the "block heroes" entrepreneurs. It just happened. During discussions about fire protection, people suddenly said: "You do realise that this is the largest open wooden building with a personal load in Germany? Brünner's and Herr's mischievous reply was: "It's not our fault that nobody builds with wood!" Of course, "no one" is an exaggeration, because fortunately there are more and more of them every day. And "SHERPA" is literally the ideal connection to all projects made of wood.

The bouldering hall combines sustainability (timber construction) and state-of-the-art technology. v



"OUR HIGH LEVEL OF STANDARDISATION AND FIRE PROTECTION SOLUTIONS WERE CRUCIAL TO THE SUCCESS OF THE PROJECT."

JOSEF KOWAL (SHERPA)
PROCURIST & TECHNICAL KEY
ACCOUNT MANAGER

SHERPA NEWS

ALWAYS UP TO DATE



WOODRISE 2022

The "Woodrise" conference is the world's most renowned event for multi-storey timber buildings. SHERPA authorised representative Josef Kowal visited the conference for modern sustainable building in Portorož (Slovenia) at the beginning of September together with Heidemarie Dodes from Schmid Schrauben Hainfeld.

The participants had the opportunity to learn about the products and solutions "made in Austria" at first hand.

SHERPA
live on
site



FORUM WOOD BUILDING NORDIC 2022

The "Forum Wood Building Nordic" at the end of September in Helsinki (Finland) focused on the role of design in the future, solid wood construction, resource efficiency and sustainability, and Nordic harmonisation of regulations and guidelines. SHERPA congratulated Gerhard Fink from Aalto University on the successful event and was pleased about the lively discussions with customers and partners.

EVENTS

EVENTS IN AUTUMN AND WINTER AT
A GLANCE

Woodrise in Portorož/Slovenia

6 - 9 September 2022

www.woodrise2022.eu

Forum Wood Building Nordic in Helsinki

28 - 30 September 2022

www.forum-holzbau.com/nordic/index.php

WOOD in Basel

11 - 15 October 2022

- KOCH Group AG
(Hall 1.1 / A40 and Hall 1.1 / A50)
- Fehr Braunwalder AG
(Hall 1.1 / C28)
- Peterhans Handwerkercenter AG
(Hall 1.1 / B22)
- IMMER AG
(Hall 1.1 / C22; Hall 1.1 / E21;
Hall 1.1 / E22 and Hall 1.1 / E24)
- SFS Group Schweiz AG
(Hall 1.1 / E25)

www.holz.ch

Forum Holzbau Urban in Cologne

19 - 20 October 2022

www.forum-holzbau.com/EBH/index.php

Greenbuild in San Francisco

2 - 3 November 2022

Stand 2457 F3 Timber Technologies in
Cooperation mit Schmid Schrauben Hainfeld
www.informaconnect.com/greenbuild/

26 International Holzbau Forum in Innsbruck

30 November to 2 December 2022

www.forumholzbau.com/IHF/


FOTOSTORY

Your mission is customer satisfaction

Six steps until a SHERPA delivery arrives on time at the dealer or directly at the customer: We take a look over the shoulders of Anja Reisinger-Vorraber and Alexandra Schnitzer, our good fairies in internal sales.

When our customers and partners contact us by phone or e-mail to place an order, our internal sales manager Anja Reisinger-Vorraber and her colleague Alexandra Schnitzer come into play. They are the voices of SHERPA when our customers and partners pick up the phone. And always anxious to deal with enquiries and orders quickly and without complications. At SHERPA, quality management in sales comprises six steps that ensure that all orders are handled to our complete satisfaction.

1. Step

The friendly and likeable SHERPA voice: Anja takes an order by phone.

2. Step

Anja immediately checks availability and clarifies the delivery date.

3. Step

As soon as the delivery date is fixed, the customers receive the order confirmation from Anja (right) and Alexandra.

4. Step

Our employees prepare the goods in production and carefully carry out the picking in the warehouse.

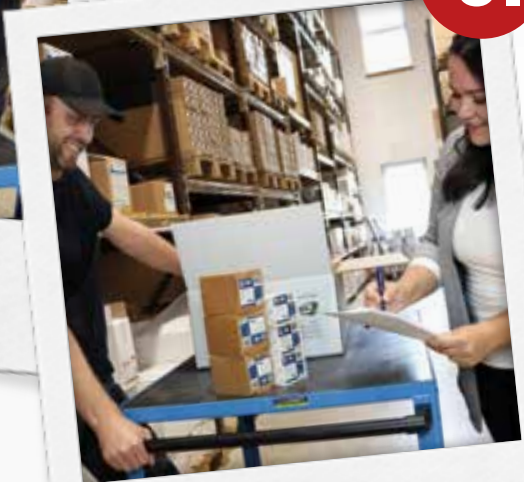
5. Step

The dispatch is prepared, of course with a control of the goods according to the four-eyes-principle.

4.



5.



6.



6. Step

The SHERPA package is ready and waiting to be shipped by a forwarding agent or parcel service to the dealer or directly to the customer.

When the delivery starts its journey, however, the mission of "customer satisfaction" is not yet complete. In the follow-up, traders and customers conscientiously receive all information about the upcoming delivery, including the parcel number, of course, if required. Only when the SHERPA package arrives is the mission of "customer satisfaction" over for Anja Reisinger-Vor-raber and Alexandra Schnitzer. For now, until the next assignment ...

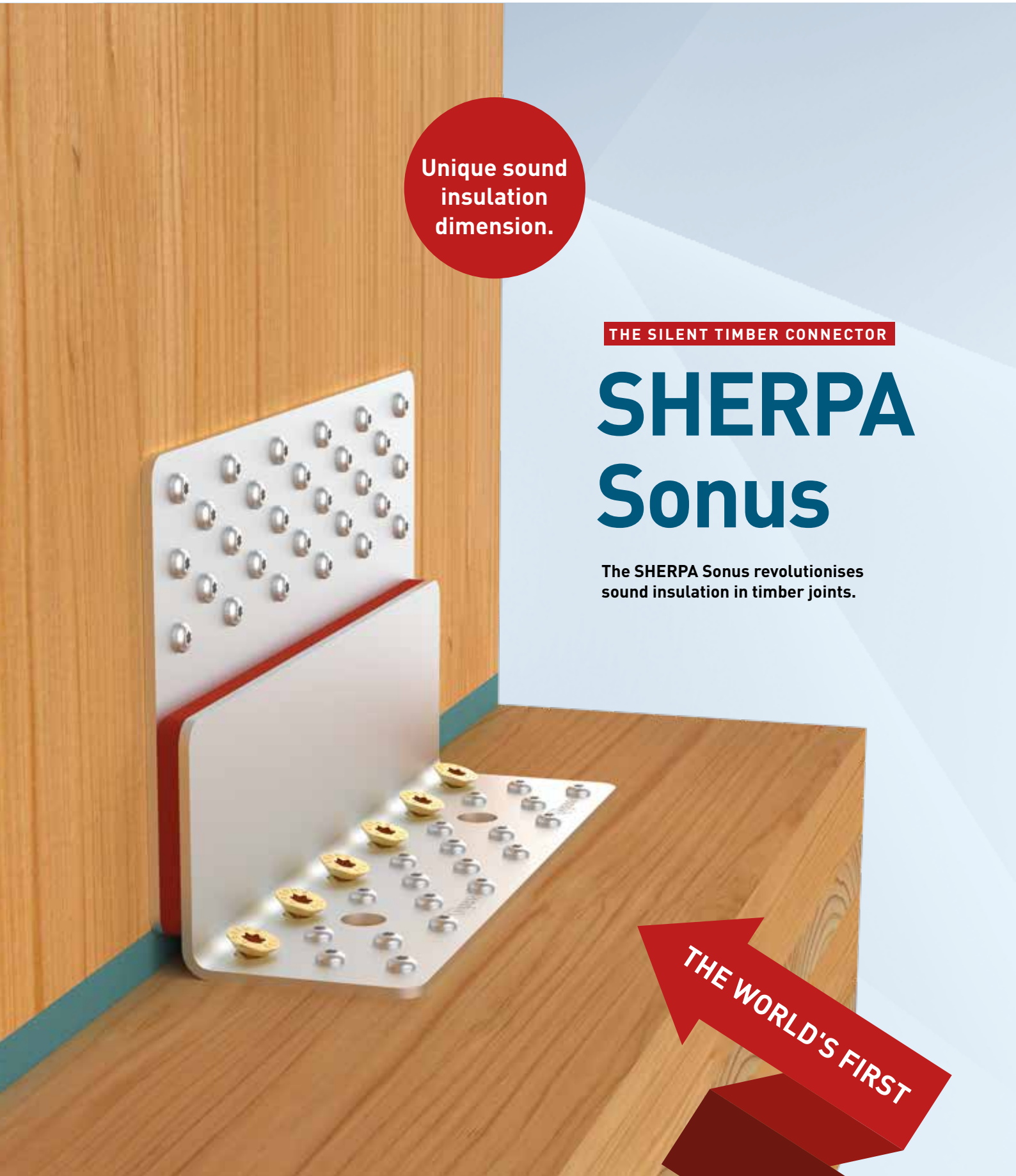
Unique sound insulation dimension.

THE SILENT TIMBER CONNECTOR

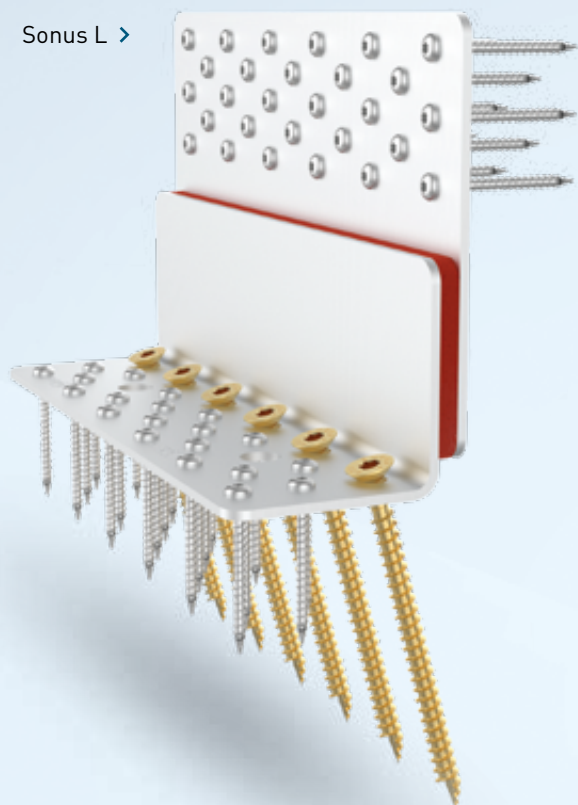
SHERPA Sonus

The SHERPA Sonus revolutionises sound insulation in timber joints.

THE WORLD'S FIRST



Sonus L >



Sonus M >



- Optimum sound insulation
- High load capacity
- Tested system
- Easy assembly
- Top sound decoupling

Two connector sizes are available:

Sonus M: 115 x 75 x 140 mm (L x W x H)

Sonus L: 235 x 75 x 140 mm (L x W x H)

Scan QR code

and receive more
information on SHERPA
Sonus



**LET'S TALK ABOUT IT
HERE IN PERSON!**

26. Internationales Holzbau-
Forum in Innsbruck from 30.
November to 2. December 2022

**FORUM
HOLZBAU
INTERNATIONAL**

INTERVIEW

Research and develop together

SHERPA is a supporting member of the Studiengemeinschaft Holzleimbau e.V. in Germany, the organisation of manufacturers of structural solid wood products and connections. What is the task of this community? An interview with Managing Director Tobias Wiegand.

What exactly is the Studiengemeinschaft Holzleimbau?

The Studiengemeinschaft Holzleimbau e.V. is the organisation of manufacturers of structural solid wood products and connections operating in Germany. Members are, for example, the manufacturers of glulam, laminated beams, cross laminated beams and laminated veneer lumber. Our community has now existed for 65 years. It was founded out of the conviction that the rather small and medium-sized companies in the timber construction sector need to organise themselves in order to jointly advance research and development, inform architects and engineers and participate in national and European standardisation.

What does the Studiengemeinschaft do for building with wood?

We have a predominantly technical focus and are very involved in collaborative research and development. This can also result in usability certificates such as test certificates or approvals that can

be used by the members. In the field of standardisation, we bundle the position of engineered timber construction in our committees and try to implement it in cooperation with other timber construction organisations. Another focus is the provision of technical information for planners. Here, in addition to numerous leaflets, brochures on the various facets of engineered timber construction are regularly published under the community trademark "Informationsdienst Holz".

What requirements must a company fulfil in order to become a member of the study community?

At present, our study community has 57 full members and 26 supporting members. In accordance with our statutes, an ordinary member must manufacture load-bearing glued solid wood products or load-bearing glued joints. In addition to the ordinary members, numerous sponsors from the fields of mechanical engineering, adhesive production, the fastener industry and wood preservation are involved in our community. The

CURRENT STUDIES

- The Studiengemeinschaft Holzleimbau e.V. is one of the project partners for the investigations with regard to the dependence of wood strength on temperature. This parameter is of enormous importance for the ongoing revision of the European design standard for fire (Eurocode 5-1-2).
- In a recently completed study, the Studiengemeinschaft Holzleimbau e.V. dealt with systematic measurements of VOC emissions from various wood products and wood species.
- The Studiengemeinschaft Holzleimbau e.V. has started to prepare a leaflet on moisture management on construction sites.

Online: www.studiengemeinschaft-holzleimbau.de

members also participate in the various committees of the organisation. Representatives of the full members and the sponsors regularly consult in the technical committees "Glulam", "Cross laminated timber" and "Laminated veneer lumber".

"SHERPA" is a supporting member of the Studiengemeinschaft. What are the advantages for member companies?

Members gain insight into a wide range of activities related to engineered timber



"TIMBER CONSTRUCTION ALSO NEEDS TO BECOME MORE RESOURCE- EFFICIENT."

DR.-ING. TOBIAS WIEGAND,
STUDIENGEMEINSCHAFT
HOLZLEIMBAU E.V.

construction. Our Studiengemeinschaft is also a platform for the exchange of experiences among each other. Members can use the joint building authority usability certificates of the Studiengemeinschaft, have joint product declarations and receive preferential conditions for a wide range of training activities of the community.

What is the importance of joining technology, the core business of "SHERPA", in the study community?

Engineered timber construction has always had exceptionally economical and high-performance timber products. However, the economic efficiency of the overall construction depends very much on the performance and economy of the connections. There have been numerous

innovations here in recent years. Connections with high load-bearing capacity and proven fire resistance that can also be deconstructed, i.e. those manufactured by SHERPA, are an extremely important contribution to today's high economic efficiency of timber engineering.

How can members, their clients and partners access the results of the studies and publications?

Many of the studies and researches initiated or co-sponsored by us are freely available and can be downloaded from our website or the websites of the research institutes and sponsors. Publications intended only for members have recently been made available on an online platform.

What are currently the biggest challenges facing the timber construction industry?

The past months have been characterised by fluctuating availability and extreme price differences with regard to raw materials. In the future, timber construction as a whole will have to deal with the issue of using resources more sparingly. This could lead, for example, to a renaissance of trusses and the development of wood-saving solid timber constructions.



Photos: FISCH-Tools

^ Tools of the highest precision and quality for industry, professionals and DIY enthusiasts.

FISH TOOLS

Quality connects

Johann Eberhard GmbH (FISCH-Tools) produces aluminium connectors for SHERPA. The company, based in St. Josef near Graz, is Europe's leading manufacturer of drilling, milling and countersinking tools of the highest precision.


Talking is how people come together. This saying came true when Andreas Eberhard, Technical Managing Director of Johann Eberhard GmbH (FISCH-Tools), met Vinzenz Harrer, founder of SHERPA Connection Systems GmbH, at a trade fair in Salzburg in the late 2010s. "He was looking for suppliers and I was looking for a new product that we could manufacture," Eberhard recalls.

Aluminium connectors

This meeting was the starting signal for a partnership that is still successful and unbroken today in 2022. Johann Eberhard GmbH (FISCH-Tools), based in St. Josef near Graz, is Europe's leading manufacturer of drilling, milling and countersinking tools for machining

INTERESTING FACTS

Johann Eberhard GmbH (FISCH-Tools) is a third-generation family business based in St. Josef near Graz (Steiermark). Almost 120 employees work here in three shifts (six days a week). The site has production and storage areas with a total size of around 6,000 square metres.

Innovative machines are used at the site in St. Josef near Graz. 



"WE ADDRESS THE JOINER AND WOOD-WORKER AS WELL AS MANUFACTURERS OF DRILLING AND MILLING MACHINES."

CHRISTOPH RIEGLER (ON THE LEFT), COMMERCIAL DIRECTOR, AND ANDREAS EBERHARD, TECHNICAL MANAGING DIRECTOR.

wood, metals and composites. Around 80 percent of the products are used in the wood processing trade and industry. "This means that we address carpenters and woodworkers as well as manufacturers of drilling and milling machines," explains Christoph Riegler, Commercial Director of Johann Eberhard GmbH (FISCH-Tools). For SHERPA, FISCH-Tools specifically produces aluminium connectors in milling processing.

Export Award 2021

A total of around 2.5 million tools leave the production and storage halls every year. In 2021, Johann Eberhard GmbH

achieved a record turnover of 16.5 million euros. The export quota was 81 percent, for which the Steiermark Chamber of Commerce awarded the company the "Export Prize 2021" in the category "medium-sized company". The Styrian quality tools are distributed in a total of 46 countries in Europe (EU area) and North America (USA) under the FISCH brand. "Business in the USA already accounts for 30 per cent of total turnover," Riegler reveals. The most important export market is Germany, followed by the USA and France. France is also the second domestic market. 20 kilometres north of Stras-

bourg in Alsace is the home of a sales office: the subsidiary FAMMAB Eberhard France. "We took over the company back in 1990," reports Eberhard.

Best family business

Johann Eberhard GmbH (FISCH-Tools) is a third-generation family business; together with its committed employees, it forms a large family that works consistently every day to achieve joint success. This year, these achievements were also recognised by the Austrian daily newspaper "Die Presse", which presented the company with an award for "Best Family Business in Steiermark".

NEW ETA 12/0067 WITH FIRE PROTECTION EXTENSION

Fire resistance up to R120 for visible wooden constructions

The fire protection solutions of the SHERPA system connectors enable verifications up to R120 for demanding constructions.

Fire test at IBS in
Linz for 90 minutes
fire resistance



Connection joints up to 5
mm without additional fire
protection measures



SHERPA®

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