

## Europe Timber Construction Connectors Market Size, Share & Trends Analysis Report By Product (Timber to Timber, Timber to Masonry, Others), By Application, By Region, And Segment Forecasts, 2024 - 2030

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### **Abstracts**

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Europe Timber Construction Connectors Market Growth & Trends

The Europe timber construction connectors market size is expected t%li%reach USD 951.6 million by 2030, according t%li%a new report by Grand View Research, Inc. The market is anticipated t%li%grow at a CAGR of 16.1% over the forecast period. The growth is attributed t%li%the increasing demand for sustainable and green construction, which is expected t%li%amplify the demand for timber construction and, thereby, likely t%li%influence the demand for timber construction connectors.

The growing energy crisis worldwide has stimulated the need for sustainable construction activities in Europe. The concept of green building is gaining popularity considering the potentially reduced environmental impacts and significant energy conservation. Presently, the carbon emissions and energy concerns in the building sector are attracting attention on a global level. This is where wood-based building materials come int%li%play. Wood is capable of reducing carbon emissions through carbon storage. This is promoting the growth of the market for wood construction, thereby positively impacting the growth of these connectors in the region.

The growing construction industry in Europe, owing t%li%the increasing demand for residential and commercial units, is further expected t%li%propel the market growth.



The widespread acceptance of mass and cross-laminated timber, wood panels, and other wood-based goods in construction projects is boosting demand for specialist connectors.

Rising demand for residential constructions using mass timber in Europe is expected t%li%create market opportunities for wood connectors. For instance, in the Netherlands, over 32 municipalities and 80 companies signed a Timber Construction Covenant. This agreement suggests using wood as the primary structural material for at least 20% of residential buildings by 2025.

Fasteners used with wood connectors are manufactured using metals such as bronze, cast iron, stainless steel, nickel & aluminum superalloys, and titanium. Using high-quality connectors and wood fastening is essential in ensuring that the construction project complies with building codes and regulations. In addition, durable connectors, such as rings, plates, and rods, which can firmly hold massive wooden beams and panels, have been introduced as a result of improvements in the manufacturing process of fastening components.

Several bonding materials such as adhesives, sealants, and fasteners have been introduced that can potentially replace timber connectors. These connectors are attached t%li%timber products with the help of fasteners though these fasteners can be individually used for wood bonding operations. This is expected t%li%create a potential substitute and hamper the demand for these connectors.

Europe Timber Construction Connectors Market Report Highlights

Based on product, the timber-to-timber connectors segment dominated the Europe market in 2023. These connectors are used in construction applications such as split rings, which are installed in pre-cut grooves. These rings are deployed in split shapes in routed grooves between different timber components. They reduce stress at the connection points of structures. The ring mechanism of these connectors permits the development of synchronized bearings at inner surface of the rings while the remaining part is fixed in the outer wall.

The other applications for timber connectors include infrastructure. As wood is less durable than concrete and cement, applications for its use in infrastructure construction are still being considered. Governmental



agencies and industry players are looking on structural innovations t%li%increase the strength of wood. As a result, the demand for the product in infrastructure applications is rather low. Although, the need for timber construction connectors is anticipated t%li%increase owing t%li%the use of wooden framework in several infrastructure projects, including towers, bridges, and other structures.

In Europe, Germany, Sweden, and France have high penetration of wood-based constructions. Growing demand for single-family residential spaces in the region is further expected t%li%increase the demand for construction connectors. Moreover, under the program Build-in-wood by Horizon 2020, the proportion of timber construction is projected t%li%ascend, especially in residential and commercial segments, thereby positively influencing the growth of the timber connectors market.

The timber construction connector market is categorized as highly competitive owing t%li%the presence of several small and large-sized manufacturers of different types of construction connectors. These players are focused on increasing their market share by adopting various strategies such as new product launches, expansions, research & development, mergers & acquisitions, and collaborations.



### **Contents**

#### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Market Segmentation & Scope
- 1.2. Market Definition
- 1.3. Information Procurement
  - 1.3.1. Purchased Database
  - 1.3.2. GVR's Internal Database
  - 1.3.3. Secondary Sources
  - 1.3.4. Third-Party Perspectives
  - 1.3.5. Primary Research
- 1.4. Information Analysis
- 1.4.1. Data Analysis Models
- 1.5. Market Formulation & Data Visualization
- 1.6. Data Validation and Publishing

#### **CHAPTER 2. EXECUTIVE SUMMARY**

- 2.1. Market Outlook
- 2.2. Segmental Outlook
- 2.3. Competitive Insights

# CHAPTER 3. EUROPE TIMBER CONSTRUCTION CONNECTORS MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
  - 3.1.1. Global Timber Construction Connectors market
- 3.2. Value Chain Analysis
- 3.3. Regulatory Framework
- 3.4. Technology Overview
- 3.5. Market Dynamics
  - 3.5.1. Market driver analysis
    - 3.5.1.1. Growing demand for wood-based construction
  - 3.5.2. Market restraint analysis
    - 3.5.2.1. Introduction of other bonding materials
  - 3.5.3. Industry opportunity
- 3.6. Business Environment Analysis
  - 3.6.1. Porter's Analysis



- 3.6.1.1. Supplier Power
- 3.6.1.2. Buyer Power
- 3.6.1.3. Substitution Threat
- 3.6.1.4. Threat from New Entrant
- 3.6.1.5. Competitive Rivalry
- 3.6.2. PESTEL Analysis, by SWOT
  - 3.6.2.1. Political Landscape
  - 3.6.2.2. Environmental Landscape
  - 3.6.2.3. Social Landscape
  - 3.6.2.4. Technology Landscape
  - 3.6.2.5. Economic Landscape
  - 3.6.2.6. Legal Landscape

# CHAPTER 4. EUROPE TIMBER CONSTRUCTION CONNECTORS MARKET: PRODUCT ESTIMATES & TREND ANALYSIS

- 4.1. Product Takeaways
- 4.2. Product Market Share Analysis, 2023-2030
- 4.3. Europe Timber Construction Connectors Market Estimates & Forecast, By Product 2018 2030 (USD Million)
  - 4.3.1. Timber to Timber
- 4.3.1.1. Europe timber to timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 4.3.2. Timber to Masonry
- 4.3.2.1. Europe timber to masonry construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
  - 4.3.3. Other Products
- 4.3.3.1. Europe timber construction connectors market estimates & Forecasts, by other products, 2018 2030 (USD Million)

# CHAPTER 5. EUROPE TIMBER CONSTRUCTION CONNECTORS MARKET: APPLICATION ESTIMATES & TREND ANALYSIS

- 5.1. Application Takeaways
- 5.2. Application Market Share Analysis, 2023-2030
- 5.3. Europe Timber Construction Connectors Market Estimates & Forecast, By Application 2018 2030 (USD Million)
  - 5.3.1. Residential
    - 5.3.1.1. Europe residential timber construction connectors market estimates &



Forecasts, 2018 - 2030 (USD Million)

- 5.3.2. Commercial
- 5.3.2.1. Europe commercial timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
  - 5.3.3. Other Applications
- 5.3.3.1. Europe timber construction connectors market estimates & Forecasts, by other applications, 2018 2030 (USD Million)

## CHAPTER 6. EUROPE TIMBER CONSTRUCTION CONNECTORS MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

- 6.1. Key Takeaways
- 6.2. Regional Market Share Analysis, 2023-2030
- 6.3. Europe
- 6.3.1. Europe timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.2. Europe timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.3. Europe timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.4. UK
- 6.3.4.1. UK timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.4.2. UK timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.4.3. UK timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.5. Germany
- 6.3.5.1. Germany timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.5.2. Germany timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.5.3. Germany timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.6. France
- 6.3.6.1. France timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.6.2. France timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)



- 6.3.6.3. France timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.7. Norway
- 6.3.7.1. Norway timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.7.2. Norway timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.7.3. Norway timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.8. Finland
- 6.3.8.1. Finland timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.8.2. Finland timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.8.3. Finland timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.9. Denmark
- 6.3.9.1. Denmark timber construction connectors market estimates & Forecasts, 20182030 (USD Million)
- 6.3.9.2. Denmark timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.9.3. Denmark timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)
  - 6.3.10. Sweden
- 6.3.10.1. Sweden timber construction connectors market estimates & Forecasts, 2018 2030 (USD Million)
- 6.3.10.2. Sweden timber construction connectors market estimates & Forecasts, by product, 2018 2030 (USD Million)
- 6.3.10.3. Sweden timber construction connectors market estimates & Forecasts, by application, 2018 2030 (USD Million)

#### **CHAPTER 7. COMPETITIVE LANDSCAPE**

- 7.1. Recent Developments & Impact Analysis, By Key Market Participants
- 7.2. Competition Categorization
- 7.3. Company Market Positioning
- 7.4. Company Heat Map Analysis, 2023
- 7.5. Strategy Mapping, 2023
- 7.6. Company Listing



- 7.6.1. Simpson Strong-Tie Company, Inc.
  - 7.6.1.1. Company Overview
  - 7.6.1.2. Financial Performance
  - 7.6.1.3. Product Benchmarking
- 7.6.1.4. Strategic Initiatives
- 7.6.2. MiTek, Inc.
  - 7.6.2.1. Company Overview
  - 7.6.2.2. Financial Performance
  - 7.6.2.3. Product Benchmarking
- 7.6.2.4. Strategic Initiatives
- 7.6.3. Knapp GmbH
  - 7.6.3.1. Company Overview
  - 7.6.3.2. Financial Performance
- 7.6.3.3. Product Benchmarking
- 7.6.3.4. Strategic Initiatives
- 7.6.4. E.u.r.o.Tec GmbH
  - 7.6.4.1. Company Overview
  - 7.6.4.2. Financial Performance
- 7.6.4.3. Product Benchmarking
- 7.6.4.4. Strategic Initiatives
- 7.6.5. BPC Building Products Limited
  - 7.6.5.1. Company Overview
  - 7.6.5.2. Financial Performance
  - 7.6.5.3. Product Benchmarking
  - 7.6.5.4. Strategic Initiatives
- 7.6.6. Cullen Timber Engineering Connectors
  - 7.6.6.1. Company Overview
  - 7.6.6.2. Financial Performance
- 7.6.6.3. Product Benchmarking
- 7.6.6.4. Strategic Initiatives
- 7.6.7. GH Baubeschl?ge GmbH
- 7.6.7.1. Company Overview
- 7.6.7.2. Financial Performance
- 7.6.7.3. Product Benchmarking
- 7.6.7.4. Strategic Initiatives
- 7.6.8. Pitzl Metallbau GmbH & Co. KG
  - 7.6.8.1. Company Overview
  - 7.6.8.2. Financial Performance
  - 7.6.8.3. Product Benchmarking



- 7.6.8.4. Strategic Initiatives
- 7.6.9. BeA Timber Connectors
  - 7.6.9.1. Company Overview
  - 7.6.9.2. Financial Performance
  - 7.6.9.3. Product Benchmarking
  - 7.6.9.4. Strategic Initiatives
- 7.6.10. BTS Befestigungselemente-Technik GmbH
  - 7.6.10.1. Company Overview
  - 7.6.10.2. Financial Performance
  - 7.6.10.3. Product Benchmarking
  - 7.6.10.4. Strategic Initiatives



### **List Of Tables**

### LIST OF TABLES

Table 1 Europe Timber Construction Connectors Market Estimates & Forecast, By Product 2018 - 2030 (USD Million)

Table 2 Europe Timber Construction Connectors Market Estimates & Forecast, By Application 2018 - 2030 (USD Million)

Table 3 Recent Developments & Impact Analysis, By Key Market Participants Table 4 Company Heat Map Analysis, 2023



### **List Of Figures**

#### LIST OF FIGURES

- Fig. 1 Cold plunge tub market segmentation
- Fig. 2 Information procurement
- Fig. 3 Primary research pattern
- Fig. 4 Primary research approaches
- Fig. 5 Primary research process
- Fig. 6 Market snapshot
- Fig. 7 Segment snapshot
- Fig. 8 Regional snapshot
- Fig. 9 Competitive landscape Snapshot
- Fig. 10 Parent industry and cold plunge tub market size, 2023 (USD Million)
- Fig. 11 Cold plunge tub market: Value chain analysis
- Fig. 12 Cold plunge tub market: Dynamics
- Fig. 13 Cold plunge tub market: Porter's five forces analysis
- Fig. 14 Cold plunge tub market, by application: Key takeaways
- Fig. 15 Cold plunge tub market: Application movement analysis, 2023 & 2030 (%)
- Fig. 16 Cold plunge tub market estimates & forecast, for commercial application, 2018 2030 (USD Million)
- Fig. 17 Cold plunge tub market estimates & forecast, for wellness centers/gyms/spas,
- 2018 2030 (USD Million)
- Fig. 18 Cold plunge tub market estimates & forecast, for hotels/hospitality, 2018 2030 (USD Million)
- Fig. 19 Cold plunge tub market estimates & forecast, for hospitals/medical centers,
- 2018 2030 (USD Million)
- Fig. 20 Cold plunge tub market estimates & forecast, for institutional application, 2018 2030 (USD Million)
- Fig. 21 Cold plunge tub market estimates & forecast, for other commercial applications,
- 2018 2030 (USD Million)
- Fig. 22 Cold plunge tub market estimates & forecast, for residential application, 2018 2030 (USD Million)
- Fig. 23 Cold plunge tub market: Regional outlook, 2023 & 2030 (USD Million)
- Fig. 24 Regional marketplace: Key takeaways
- Fig. 25 North America cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 26 U.S. cold plunge tub market estimates & forecast, 2018 2030 (USD Million)



- Fig. 27 Canada cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 28 Mexico cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 29 Europe cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 30 UK cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 31 Germany cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 32 France cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 33 Italy cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 34 Spain cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 35 Asia Pacific cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 36 China cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 37 Japan cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 38 India cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 39 Australia cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 40 South Korea cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 41 Central and South America cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 42 Brazil cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 43 Middle East and Africa cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 44 South Africa cold plunge tub market estimates & forecast, 2018 2030 (USD Million)
- Fig. 45 Key company categorization
- Fig. 46 Company market share analysis, 2023
- Fig. 47 Strategic framework of cold plunge tub market



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