

Instructions for Use (Operation) and Safety Information

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*Call cost according to the operator's tariff

PRODUCT INSTRUCTIONS FOR USE (OPERATION)

1. Type	A construction element compliant with the European Technical Assessment ETA and the declaration of performance (DoP).
2. Application	DMX three-dimensional wooden connectors are designed for creating connections between wood-to-wood, as well as between wooden joists and concrete structures or steel elements. They are used for connecting perpendicular, load-bearing solid wood elements in a side-to-side configuration to form joints that must meet the requirements for strength and mechanical durability as specified in Basic Requirement 1 of Regulation (EU) No. 305/2011.
3. Usage/Assembly	For connections made using DMX® three-dimensional wooden connectors, nails with a round shank compliant with EN 14592+A1 should be used, with a diameter of ≥ 4 mm, a characteristic yield moment of $M_{y,k} = 7168 \text{ N}\cdot\text{mm}$, a characteristic withdrawal parameter of $f_{ax,k} = 7.8 \text{ N}\cdot\text{mm}^{-2}$, and a characteristic tensile strength of $f_{tens,k} = 7.3 \text{ kN}$. Regarding corrosion resistance requirements, DMX® three-dimensional wooden connectors are suitable for connecting wooden structures exposed to internal conditions defined by service classes 1, 2, and 3 (connectors with an additional powder coating) according to EN 1995-1-1 (Eurocode 5), in corrosivity categories C1 and C2 according to EN ISO 12944-2, without exposure to acidic gases and vapors. The suitability of DMX® three-dimensional wooden connectors for their intended use can only be assumed if the following installation conditions are met: • Installation is performed by a person with appropriate qualifications under the supervision of someone qualified to perform the specific work. • Only original DMX® three-dimensional wooden connectors, supplied by the manufacturer along with the appropriate ring nails, are used. • Before installing the three-dimensional wooden connectors, the properties of the wooden elements (type, class, and moisture content) in which the connectors will be installed must be checked to ensure they are equal to or better than the properties of the wooden elements used for testing to determine load capacity. • Wooden elements placed in the DMX® three-dimensional connector must be free of defects, and the gap between connected elements must not exceed 3 mm.
4. Maintenance	Long durability is ensured by regular technical and maintenance inspections. The owner is obligated to maintain the proper technical condition of the building during its use. Construction materials must be inspected annually. Any damage to the zinc coating or paint must be properly treated to protect against external factors.
5. Storage/Protection	DOMAX connectors must be stored in enclosed spaces and protected against weather conditions, damage, and/or breakage.
6. Transport	DOMAX connectors must be transported in a manner that protects them from damage or breakage.



SAFETY INFORMATION	
1. Identification of Hazards	The products pose no risk to health or safety, provided they are used as intended and the structures built from them are properly maintained. The products may have sharp edges.
2. Hazardous Substances	The products do not contain hazardous substances as defined in Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006, Articles 31 and 33 (REACH).
3. Waste	Waste generated from the use of the product (packaging, damaged, or destroyed products) does not pose a hazard to the user, provided it is disposed of in accordance with applicable legal regulations.
4. Personal Protective Equipment	Personal protective equipment must be used in accordance with occupational health and safety regulations.
5. Recycling	Material remaining after the demolition of a structure poses no threat to the environment.
The declaration of performance properties is available at www.domax.com in the technical documentation section.	



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