

ALFER CONNECTORS

"European patent"

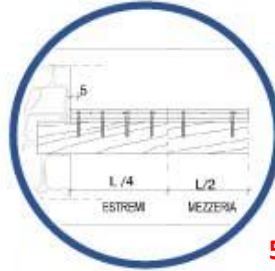
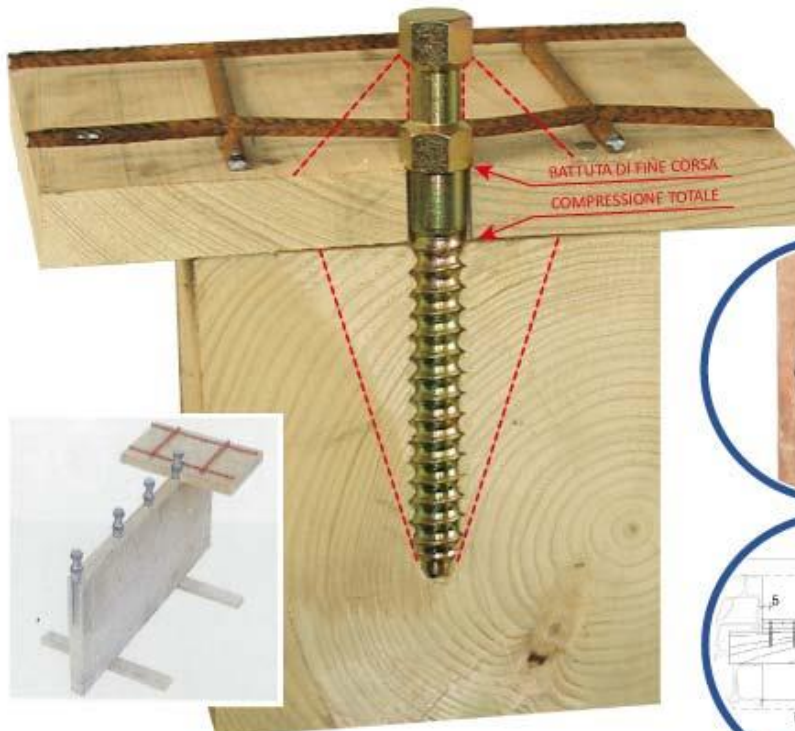
. Quality

. Simplicity

. Economy

APPLICATION: WOOD-CONCRETE

TYPE: STANDARD



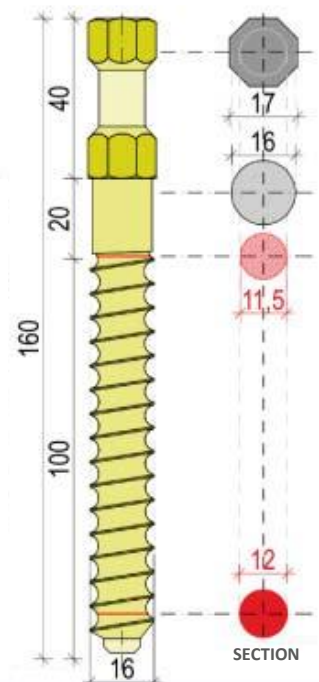
The AL-FER dry shear connector is an innovation in the world of mixed wood-concrete structures. A **single piece** (without plates, twin screws, shaped sheet metal, pylons, etc) **compact and strong in its structure**.

The dry system **without** resins improves the mechanical seal without **inducing stresses in the wood** with a considerable saving of time.

It does not need a particular specialized skill then any construction worker can apply it. The screwing is performed with a simple electric wrench, after drilling in wood with the tip of 11,5 mm.

5/6 Connectors per square meter

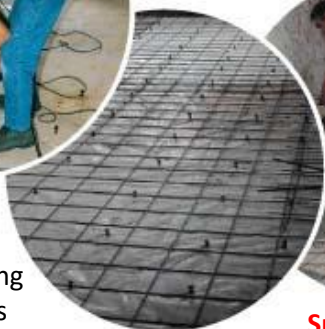
The lower part has continuous thread, the outer spiral has constant diameter, while **the central thread has reverse taper diameter**. The connector does not have a screw thread in the middle, in order to exploit the maximum diameter of 16mm in the cutting area.



Application

The drilling, screwing and cleaning takes **less than 1 minute**

The design software is freely downloadable from our website



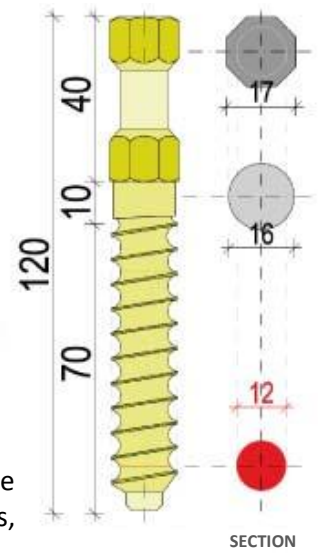
Specialist advice

Our engineers are available for advice and technical information

APPLICATION: CONCRETE-CONCRETE
TYPE: CONCRETE



**5/6 Connectors
per square meter**



The AL-FER dry connector for concrete structures is an innovation for rework of existing concrete structures, with its **single piece** (without plates, twin screws, shaped sheet metal, pylons, bushings, couplings, etc.), **compact and strong in its structure**.

It allows significant time savings and **the best mechanical seal** thanks to its dry system **WITHOUT RESIN**. It does not need a particular specialized skill; **any construction worker can apply it**. The screwing is performed with a simple electric impact wrench, after the drilling with the tip 14 mm.

APPLICATION: STEEL-CONCRETE
TYPE: STEEL

The AL-FER dry connector for steel, an innovation in the world of mixed steelconcrete structures, is a single piece, **NO** plates, twin screws, rivets, welds, etc.

Self-tapping

It makes a thread in the steel profile which ensures perfect mechanical seal.

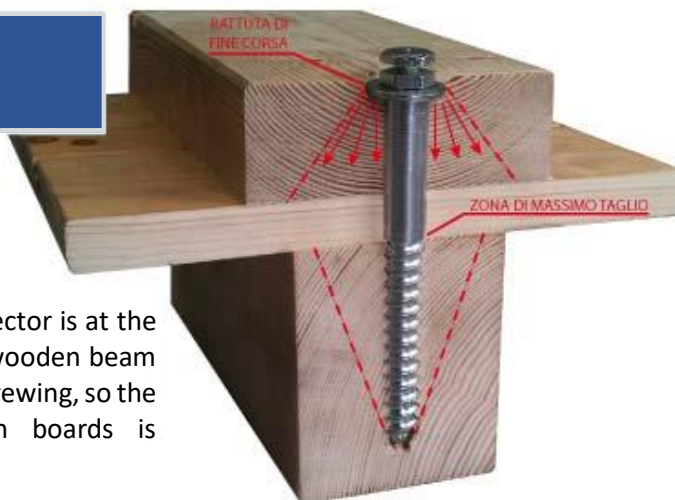


It is composed by high-strength steel, **greater than 800 MPa**, suitably worked with **self-tapping** thread in its slower part in order to improve the mechanical anchoring in the metal. It has a shaped profile in its top for joining the concrete slab.

APPLICATION: WOOD-WOOD
TYPE: WOOD



The **auto-cut** connector is at the same level of the wooden beam at the end of the screwing, so the laying of wooden boards is practical and fast.



The **reinforcement of wooden structures** with new wooden beams is much used in the restoration of historic buildings, especially where there is a recognized artistic value. It allows to maintain the existing structure using the original material.

