


<i>Technical data sheet</i>	<b>N. A 1018 03-19</b>	
<b>GLASS CONNECTOR</b> - Art. BM LV 10/20-50-70		
<p align="center"> <b>PREFORMED GFRP CONNECTOR</b>  <b>DIAMETER 8 mm, LENGTH 20-50-70 cm</b>  <b>WITH IMPROVED ADHERENCE (aggregate size 0.3-0.8 mm)</b> </p>		
<p> <b>Suitable for structural reinforcement of walls, arches and vaults.</b>  <b>Suitable for seismic assessment operations in risk areas.</b> </p>		

TECHNICAL FEATURES		NOMINAL VALUE	
MATERIAL		GLASS FIBER WITH RESIN	
RESISTANT AREA		11,5 mm <sup>2</sup>	
AVERAGE TENSILE STRENGTH		18,900 N	
MODULUS OF ELASTICITY		80,400 MPa	
GLASS TRANSITION TEMPERATURE		>100 °C	
ELONGATION AT BREAK		3.2 %	
CODE	TYPE	DIAMETER Ø	DIMENSION S
BM LV 10/20	"L" SHAPED FIBERGLASS CONNECTOR	8 mm	10 x 20 cm.
BM LV 10/50	"L" SHAPED FIBERGLASS CONNECTOR	8 mm	10 x 50 cm.
BM LV 10/70	"L" SHAPED FIBERGLASS CONNECTOR	8 mm	10 x 70 cm.



### Advantages

- Durability
- Usable with lime and / or cement based mortars;
- Resistance to atmospheric and environmental conditioning;
- Perfect compatibility with any matrix used for grouting;
- High tensile strength;
- Quick and easy to apply;
- Non-invasive intervention;
- Low installation costs;
- Suitable for interventions on buildings of historical and cultural interest.

### Preparation of the support

- Make sure that the support is completely hardened, resistant and there aren't any loose parts that come off;
- In the presence of degraded existing plaster, scrape the surface until a support with sufficient strength is obtained;
- Substrate cleaning and saturation by low pressure washing;
- Remove any efflorescence and salts by washing or using mechanical systems such as brushing, sandblasting or water sandblasting;
- On particularly irregular or poorly absorbent substrates, apply a coat of rough coat before applying the structural mortar;
- The substrate temperature must be between + 5 ° C and + 30 ° C;
- Do not apply mortars on frozen substrates.

### Usages

After carefully preparing the support, before applying the first layer of structural mortar based on lime wet with water at low pressure until it is completely saturated; the non-saturation could cause the non-adhesion and cracking of the mortar. If necessary, make a rough coat with suitable products.

Make holes with a suitable diameter of at least 4 per m<sup>2</sup>.

Apply by hand (with a trowel or spatula in stainless steel) or with a plastering machine a first layer of structural mortar BM Idroplaster NHL – M15 (see technical data sheet) for a thickness of about 1.5 cm, leaving the surface sufficiently rough to allow the adhesion of the next layer. Position the alkali-resistant, primed, fiberglass mesh of Glasstex Struktura line (see the technical data sheet of the chosen product), placing it on fresh mortar by passing the connector inside the mesh. Apply a second layer *BM Idroplaster NHL – M15* mortar to a thickness of about 1,5 cm.

Integrate the aforementioned indications referring to the Biemme quaderno tecnico applicativo regarding the Armatex line, the latest version is available on the site:

<http://biemmebiagiotti.com/wp-content/uploads/2017/06/QUADERNO-TECNICO-APPLICATIVO.pdf>

For uses other than those indicated, please contact our technical office.

 **Polirex**<sup>®</sup> polietilene espanso  
 **Fioccotex**<sup>®</sup> geotessuto  
 **Glasstex**<sup>®</sup> rete in fibra di vetro

 **Fibromix**<sup>®</sup> fibre di polipropilene  
 **Sistema Armatex**<sup>®</sup>  
 rinforzo strutturale/antiribaltamento  
 antisfondellamento/antisismico



### Storage and security

Store in a protected, dry place and in original packaging.  
 Use appropriate precautions in handling, transport and storage activities to avoid damage.  
 handling and application wear protective clothing, glasses and gloves.

During

### Specifications

GFRP preformed connector suitable structural reinforcement of walls, arches and vaults (such as Glass Connector by Biemme Srl) with the following characteristics: diameter 8 mm, length from 20-50-70 cm, with improved adherence (inert dimension 0.3-0 , 8 mm).

The indications reported in this documentation regarding the use or use of our products, while corresponding to our best experience and to the current state of our knowledge, are to be considered, in any case, purely indicative and do not involve any responsibility on the final result of the work. Therefore it is the responsibility of the buyer to verify the suitability of our products for the use and the purposes it is intended for. Biemme srl is not responsible for improper use of the material. Always refer to the latest updated version of the technical data sheet, available on the site: [www.biemmebiagiotti.com](http://www.biemmebiagiotti.com). Biemme srl reserves the right to make changes at any time that it deems appropriate without any notification.

