

# GFRP REINFORCED PLASTER CONNECTORS DRACONNECT



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## 1. REGISTRY CODE

Code	Description	Measures (mm)	Weight	Color	Pkg. / Pallet
BFO04-300S	Draconnect - GFRP "L" connector	150 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-302S	Draconnect - GFRP "L" connector	200 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-303S	Draconnect - GFRP "L" connector	300 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-304S	Draconnect - GFRP "L" connector	400 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-305S	Draconnect - GFRP "L" connector	500 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-306S	Draconnect - GFRP "L" connector	600 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-307S	Draconnect - GFRP "L" connector	700 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-308S	Draconnect - GFRP "L" connector	800 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-309S	Draconnect - GFRP "L" connector	900 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -
BFO04-310S	Draconnect - GFRP "L" connector	1.000 x 100 Ø 8	92 gr/m <sup>2</sup>	Black	100 pcs. / -

**MATERIAL** Made of alkali-resistant GFRP (Glass Fiber Reinforced Polymer), composite mesh, and weight of 218 gr./m<sup>2</sup>.

## 2. DESCRIPTION

Preformed L-shaped GFRP connector made of glass yarn and pultruded epoxy resin. The epoxy resin provides the connector with high dimensional stability, alkali resistance and improves mechanical properties. The connector is suitable for connecting GFRP mesh in CRM systems.

## 3. USE

Masonry reinforcement, consolidation of arches and vaults, floors and columns and pillars.

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## 4. FEATURES

FEATURE	UM	VALUE	REFERENCE
Weight	gr/m	92	-
Nominal section	mm <sup>2</sup>	50,24	CNR-DT 203/2006
Nominal diameter	mm	8	
Yarn type	Fibra di vetro a filo continuo	-	
Type of sizing	Resina epossidica	-	-
Short side dimension	cm	10	-
Long side dimension (B)	cm	15 - 100	-
Tensile breaking strength average value	kN	48,5	EAD 340392-00-0104
Ultimate tension average value	MPa	966	
Tension ultimate characteristic value	MPa	879	
Elastic modulus average value	GPa	43,3	
Elastic modulus characteristic value	GPa	41,4	
Strain at break, characteristic value	%	2,19	
Length of overlap	cm	11	
Crisis load of overlap joint average value	kN	41	
Ultimate tension of the joint for overlap mean value	MPa	816	
Average pull-out force on concrete support <sup>1</sup>	kN	29,7	
Average pull-out force on brick substrate <sup>1</sup>	kN	14,9	
Average extraction force on stone support <sup>1</sup>	kN	9,2	
Average extraction force on tuff support <sup>1</sup>	kN	10,9	
Color	-	Black	

<sup>1</sup> - Anchorage length 12 cm

## 5. TECHNICAL SPECIFICATION

Item	Description	Unit	Price
<b>Dak.D.BFO04.30x</b>	Supply and installation Preformed L-shaped GFRP connector made of glass yarn and pultruded epoxy resin. For Masonry reinforcement, consolidation of arches and vaults, floors and columns and pillars.	pcs.	-
<b>Dak.D.BFO04.300S</b>	Dimensions 150 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.302S</b>	Dimensions 200 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.303S</b>	Dimensions 300 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.304S</b>	Dimensions 400 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.305S</b>	Dimensions 500 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.306S</b>	Dimensions 600 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.307S</b>	Dimensions 700 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.308S</b>	Dimensions 800 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.309S</b>	Dimensions 900 x 100 Ø 8.....	pcs.	-
<b>Dak.D.BFO04.310S</b>	Dimensions 1.000 x 100 Ø 8.....	pcs.	-