

**Systèmes de porteurs de câbles  
Gaines et chemins de câbles  
Echelles à câbles**  
en polyester renforcé de fibres de verre

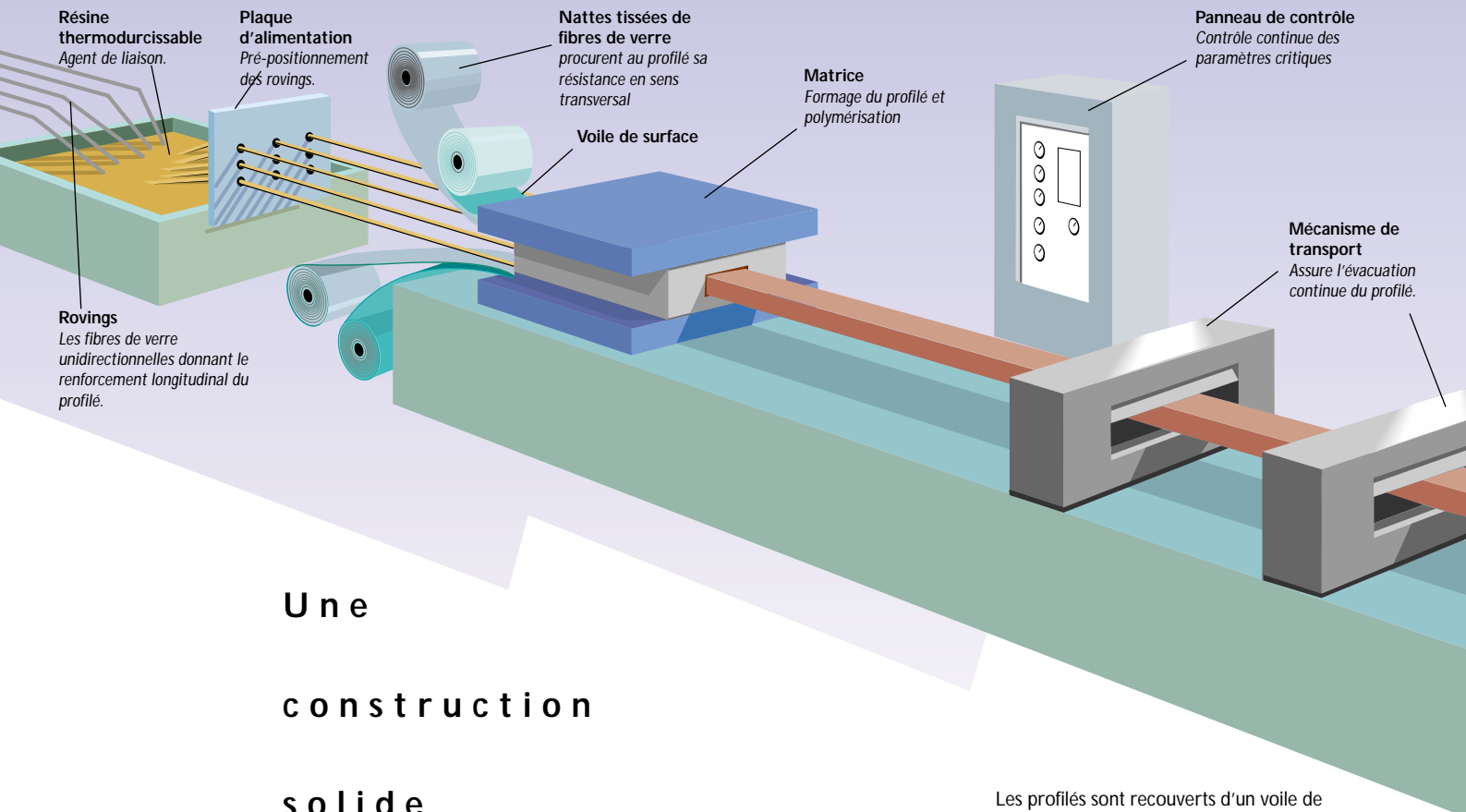


**stagobel**  
ELECTRO

Les produits en polyester renforcé de fibres de verre sont fabriqués suivant le procédé de pultrusion. Des fibres de verre et des nattes tissées de fibres de verre sont imprégnées de résine polyester et sont tirées ensemble avec des voiles de surface à travers une matrice, de sorte à former un profilé extrêmement rigide.

## Polyester renforcé de fibres de verre

# AVANTAGES



Une  
construction  
solide  
de qualité  
supérieure

Les profilés sont recouverts d'un voile de surface qui protège contre les intempéries et les rayons UV.

Les produits de qualité inférieure contiennent seulement des tresses de fibres de verre, ce qui résulte en une résistance plus faible. D'autres contiennent des fibres de verre courtes, appliquées dans un procédé de coulage et de compression. Souvent un voile de surface protégeant supplémentaire manque ce qui entraîne que les fibres de verre font surface dans le cas d'érosion ou d'altération.

### M A T E R I A U

Les systèmes FIBARACK™ et FIBASTRUT™ sont fabriqués en résine polyester isophthalique, conforme à BS476, part 7, Class 2. Ce matériau combine une excellente résistance à la corrosion avec une bonne résistance au feu.

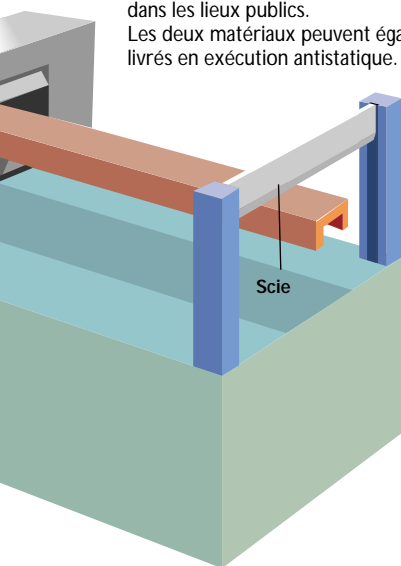


Pour les applications aux exigences suivantes :

- bonne résistance au feu
- absence d'halogènes
- émission de fumées limitée

une résine Modar Class 1 est livrable sur demande. Cette résine répond même aux prescriptions sévères de la London Underground Authority pour application dans les lieux publics.

Les deux matériaux peuvent également être livrés en exécution antistatique.



Pour chaque application, nous pouvons vous proposer une résine adaptée à vos exigences spécifiques.

### A P P R O B A T I O N S

En choisissant nos produits pultrudés en polyester renforcé de fibres de verre, vous avez la garantie qu'ils ont été vérifiés et approuvés suivant des normes internationales universellement reconnues.

### R E S I S T A N C E A L A C O R R O S I O N

Toute la gamme convient particulièrement bien aux usages en ambiance corrosive et spécialement dans les environnements à teneur en sel élevée, comme dans les ports maritimes.

Les frais d'entretien et éventuellement de remplacement d'un système conventionnel, attaqué par la corrosion, excèdent facilement le prix d'achat d'un système en polyester renforcé de fibres de verre, surtout lorsqu'on évalue l'investissement sur plusieurs années et qu'on tient compte des frais de manipulation des câbles.

### I N S T A L L A T I O N

Le polyester renforcé de fibres de verre se laisse aisément usiner (scier, forer) sans devoir disposer de machines coûteuses. Contrairement aux composants métalliques, les produits en polyester renforcé de fibres de verre ne doivent pas être débavurés et les traits de scie et trous forés ne doivent pas être protégés par une laque anticorrosion. Un gain de temps appréciable à l'installation.

En choisissant nos produits pultrudés en polyester renforcé de fibres de verre, vous êtes assuré d'une installation sans problèmes pour de longues années.

### ENTRETIEN

En vue de la protection contre l'érosion, la résine contient des stabilisateurs UV et la surface des profilés est pourvue d'un voile de surface. Une longue durée de vie sans entretien est ainsi garantie.

### SOLIDITE

Par rapport à son poids, le polyester renforcé de fibres de verre présente une résistance à la traction plus élevée que des produits métalliques équivalents et se déforme moins sous des charges lourdes.

### CONDUCTION DE CHALEUR

Grâce à la faible conduction de chaleur du polyester renforcé de fibres de verre, les effets d'un incendie restent localisés. Le polyester renforcé de fibres de verre reste intacte dans des situations où maint matériau serait dégradé.

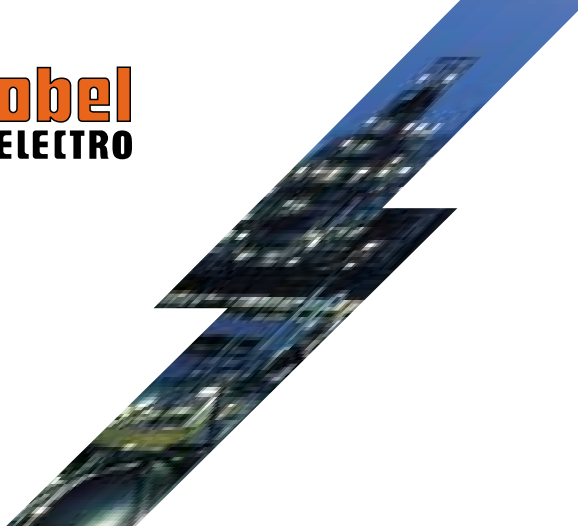
Le polyester renforcé de fibres de verre peut être appliqué dans une large plage de températures (de -40°C à +120°C).

### AUTOEXTINGUIBLE

Des types de résines retardateurs de la flamme (exempts d'halogènes, à faible émission de fumées) sont également disponibles.



En appliquant nos produits pultrudés en polyester renforcé de fibres de verre, vous êtes sûr d'avoir choisi la meilleure solution à long terme au point de vue corrosion et autres facteurs d'environnement.





## CABSYS® GRP Heavy Duty Cable Tray & Duct

C A B L E T R A Y , D U C T & F I T T I N G S

D U C T S

The Cabsys system has been carefully designed to provide Cable Ducting which combines high performance with ease of installation and maintenance.

\*Cabsys Cable Duct simply snaps home into its range of couplers and fittings without the need for any fasteners. With the coupler also serving as support bracket and 3m support centres, installation time is reduced to a minimum.

\* Sizes 100, 150, 200, 300, 400, 500, 600mm.

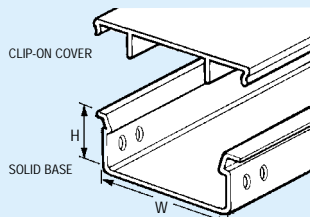
### Application

For areas where extreme corrosion resistance, zero halogen properties or hygiene is the overriding factor.

### Benefits

- Corrosion resistant
- Strong but lightweight
- Non-conductive
- Working temperature -140°C to +120°C
- Snap-fit system with no bolts required\*
- Easy to cut & handle on site

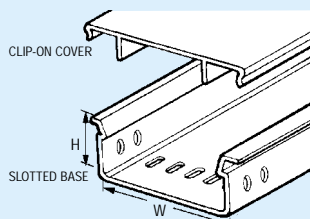
### GR Series Duct - Solid Base (Body & Cover supplied separately)



Width	TRAY SOLID BASE REF		Depth 80mm	Weight (kg) per length	Depth 110mm	Weight (kg) per length	Depth 210mm	Weight (kg) per length	DUCT COVER REF	
	Depth 60mm	Weight (kg) per length							Weight (kg) per length	Weight (kg) per length
50*										
100	GRP100-6	3.9	GRP100-8	4.8	GRP100-110	5.4			GRC100	2.9
150	GRP150-6	4.5	GRP150-8	5.3	GRP150-110	6.0	GRP150-210	14.6	GRC150	3.5
200	GRP200-6	5.8	GRP200-8	6.7	GRP200-110	7.3			GRC200	4.4
300	GRP300-6	8.0	GRP300-8	8.9	GRP300-110	9.5			GRC300	6.3
400			GRP400-8	10.5	GRP400-110	11.1			GRC400	8.3
500	For 500mm width, please contact MITA									
600	For 600mm width, please contact MITA									

\*for 50mm width, please use appropriate Fibatrunk size on page 7

### GS Series Duct - Slotted Base (Body & Cover supplied separately)



Width	TRAY SLOTTED BASE REF		Depth 80mm	Weight (kg) per length	Depth 110mm	Weight (kg) per length	Depth 210mm	Weight (kg) per length	DUCT COVER REF	
	Depth 60mm	Weight (kg) per length							Weight (kg) per length	Weight (kg) per length
50*										
100	GSP100-6	3.9	GSP100-8	4.8	GSP100-110	5.4	GSP150-210	14.6	GRC100	2.9
150	GSP150-6	4.5	GSP150-8	5.3	GSP150-110	6.0			GRC150	3.5
200	GSP200-6	5.8	GSP200-8	6.7	GSP200-110	7.3			GRC200	4.4
300	GSP300-6	7.9	GSP300-8	8.9	GSP300-110	9.4			GRC300	6.3
400			GSP400-8	10.5	GSP400-110	11.0			GRC400	8.3
500	For 500mm width, please contact MITA									
600	For 600mm width, please contact MITA									

\*for 50mm width, please use appropriate Fibatrunk size on page 7

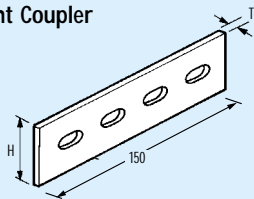
	Standard Product	Alternative Options* see notes
Material	Polyester Resin Zero Halogen	Class 2 Resin, Class 1 Resin, Modar CL1, CL2
Length	3m	-
Widths	100-600mm	Larger widths available in alternative design
Construction	Solid base	Slotted Base
Fittings Construction	316 Stainless Steel bolts used on fitting assembly	Grilon bolts
Angle of Bends	45° or 90°	30° or 60°
Finish	Grey, non-conductive	Grey, anti-static
<i>For further details contact Stagobel</i>		

\* **Alternative Options:** Please contact us for details of any minimum quantities, lead times and price premiums which may apply.

C A B L E T R A Y , D U C T & F I T T I N G S (couplers required for all fittings)

**COUPLER**

**Straight Coupler**

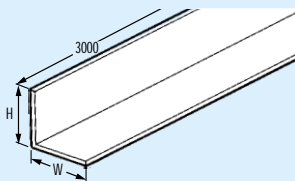


Ref.	Weigh (kg)	T	Dimensions (mm)	
			L	H
GSCC4-G	0.15	T=5	150	30
GSCC4-S	0.25	T=2.5	150	25

**GSCC4 Couplers suit all sizes**  
**Accessories - Coupler Range** see Page 6  
 For 110mm deep use GHC-S Coupling

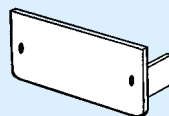
**FITTINGS**

**Divider**



Ref.	Weight (kg)	Dimensions (mm)	
		W	H
GRD1	2.0	50	50

**End Stop**

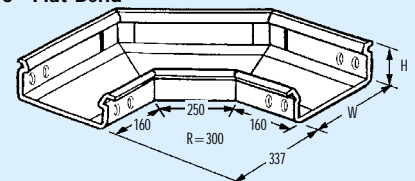


Ref.
GRP100 - *END
GRP150 - *END
GRP200 - *END
GRP300 - *END
GRP400 - *END

\* insert 60, 80 or 110 as appropriate

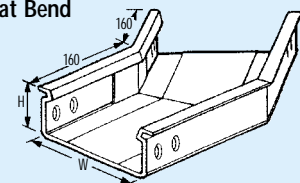
**BENDS**

**90° Flat Bend**



90° Bend Ref.	Weight (kg)	Dimensions (mm)		Cover Ref.	Weight (kg)
		W	H		
GRA100-6	1.3	100	60	GRAC100	0.7
GRA150-6	1.5	150	60	GRAC150	0.9
GRA200-6	1.7	200	60	GRAC200	1.1
GRA300-6	2.5	300	60	GRAC300	1.7
GRA400-8	4.0	400	80	GRAC400	2.3

**45° Flat Bend**



45° Bend Ref.	Weight (kg)	Dimensions (mm)		Cover Ref.	Weight (kg)
		W	H		
GRA1045	0.8	100	60	GRAC1045	0.4
GRA1545	0.9	150	60	GRAC1545	0.5
GRA2045	1.0	200	60	GRAC2045	0.7
GRA3045	1.5	300	60	GRAC3045	1.0
GRA4045	2.4	400	80	GRAC4045	1.4





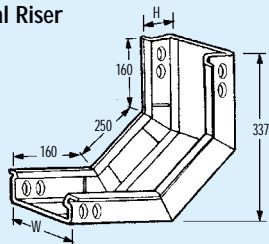
# CABSYS®

## GRP Heavy Duty Cable Tray & Duct continued

CABLE TRAY, DUCT & FITTINGS (couplers required for all fittings)

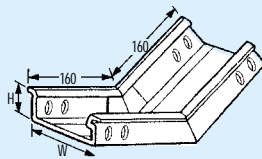
### RISERS

#### 90° Internal Riser



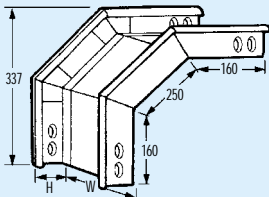
Int. Riser Ref.	Weight (kg)	Dimensions (mm) W	H	Cover Ref.	Weight (kg)
GRI100-6	1.0	100	60	GRIC100	0.4
GRI150-6	1.2	150	60	GRIC150	0.6
GRI200-6	1.7	200	60	GRIC200	0.7
GRI300-6	2.0	300	60	GRIC300	1.0
GRI400-8	2.6	400	80	GRIC400	1.5

#### 45° Internal Riser



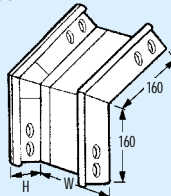
Ext. Riser Ref.	Weight (kg)	Dimensions (mm) W	H	Cover Ref.	Weight (kg)
GRI1045	0.6	100	60	GRIC1045	0.3
GRI1545	0.8	150	60	GRIC1545	0.4
GRI2045	1.0	200	60	GRIC2045	0.5
GRI3045	1.2	300	60	GRIC3045	0.7
GRI4045	1.6	400	80	GRIC4045	1.0

#### 90° External Riser



Ext. Riser Ref.	Weight (kg)	Dimensions (mm) W	H	Cover Ref.	Weight (kg)
GRE100-6	0.9	100	60	GREC100	0.5
GRE150-6	1.1	150	60	GREC150	0.7
GRE200-6	1.6	200	60	GREC200	0.8
GRE300-6	1.9	300	60	GREC300	1.1
GRE400-8	2.4	400	80	GREC400	1.6

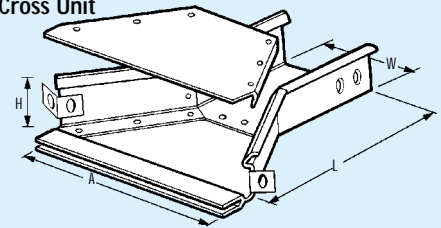
#### 45° External Riser



45° Bend Ref.	Weight (kg)	Dimensions (mm) W	H	Cover Ref.	Weight (kg)
GRE1045	0.5	100	60	GREC1045	0.3
GRE1545	0.7	150	60	GREC1545	0.4
GRE2045	0.9	200	60	GREC2045	0.5
GRE3045	1.1	300	60	GREC3045	0.7
GRE4045	1.5	400	80	GREC4045	1.0

### TEE/CROSS UNIT & REDUCERS

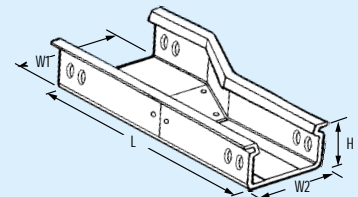
#### Tee/Cross Unit



Tee Ref.	Weight (kg)	Dimensions (mm) W	H	A	L	Cover Ref.	Weight (kg)
GRT100	0.5	100	60	350	260	GRTC100	0.2
GRT150	0.6	150	60	400	280	GRTC150	0.2
GRT200	0.7	200	60	450	300	GRTC200	0.4
GRT300	1.0	300	60	550	350	GRTC300	0.5
GRT400	1.4	400	80	650	400	GRTC400	0.6

To make a cross, order 2 Tee Pieces

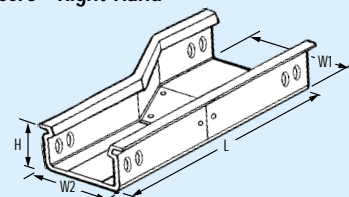
#### Reducers - Left Hand



Reducers Ref.	Weight (kg)	Dimensions (mm) W1	W2	H	L	Cover Ref.	Weight (kg)
GR200L10	0.7	200	100	60	420	GRC200L	0.2
GR400L20	1.8	400	200	80	420	GRC400L	0.5

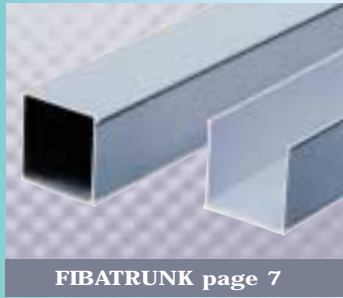
Other sizes available on request, please contact Stagobel.

#### Reducers - Right Hand



Reducers Ref.	Weight (kg)	Dimensions (mm) W1	W2	H	L	Cover Ref.	Weight (kg)
GR200R10	0.7	200	100	60	420	GRC200R	0.2
GR400R20	1.8	400	200	80	420	GRC400R	0.5

Other sizes available on request, please contact Stagobel.



## GRP Cable Tray & Duct Accessories

### STAINLESS STEEL ACCESSORIES

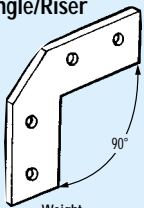
(hole diameter on all items M8 clearance)

### GRP ACCESSORIES

(hole diameter on all items M8 clearance)

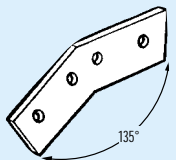
#### RISERS

##### 90° Flat Angle/Riser



Ref.	Weight (gms)	Dimensions (mm)
GSC-V90-S/T	90	2.5 x 30

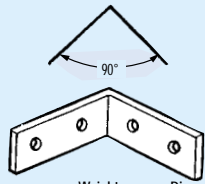
##### 45° Flat Angle/Riser



Ref.	Weight (gms)	Dimensions (mm)
GSC-V45-S/T	80	2.5 x 30

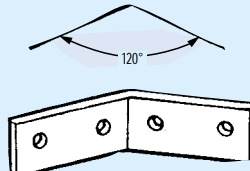
#### COUPLERS

##### Horizontal Angle Coupler 90°



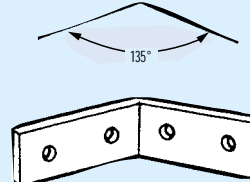
Ref.	Weight (gms)	Dimensions (mm)
GSC-H90-S/T	100	2.5 x 25

##### 60° Horizontal Angle Coupler



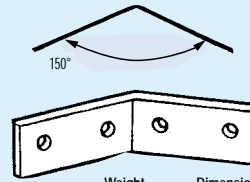
Ref.	Weight (gms)	Dimensions (mm)
GSC-H60-S/T	100	2.5 x 25

##### 45° Horizontal Angle Coupler



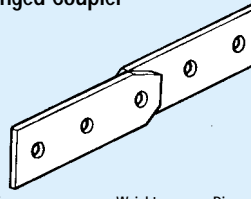
Ref.	Weight (gms)	Dimensions (mm)
GSC-H45-S/T	100	2.5 x 25

##### 30° Horizontal Angle Coupler



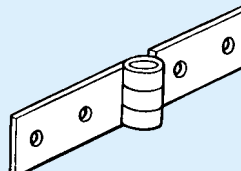
Ref.	Weight (gms)	Dimensions (mm)
GSC-H30-S/T	100	2.5 x 25

##### Hinged Coupler



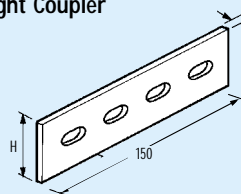
Ref.	Weight (gms)	Dimensions (mm)
GVHC-S/T	130	2.5 x 190 x 25

##### Variable Angle Coupler



Ref.	Dimensions (mm)	Weight (gms)
GHHC-S/T	2.5 x 180 x 25	130

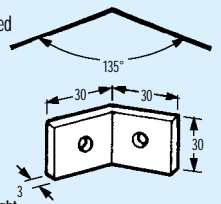
##### Straight Coupler



Ref.	Weight (gms)	Height (mm)
GRP GSCC4-G T=5		30
SS316 GSCC4-S T=2.5		25

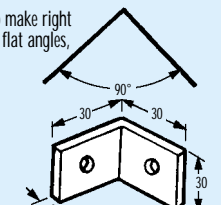
#### COUPLERS

##### Coupler - to make chamfered corners for flat bends, tees or crosses



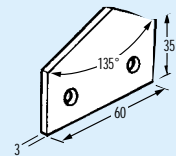
Ref.	Weight (gms)
GCCT-D	25

##### Coupler - to make right angle corners for flat angles, tees or crosses



Ref.	Weight (gms)
GCCT-E	25

##### Coupler - to make External/Internal Risers 45°



Ref.	Weight (gms)
GCCT-C	25



# FIBATRUNK™ GRP Cable Tray & Duct

## SELECTION & ORDERING

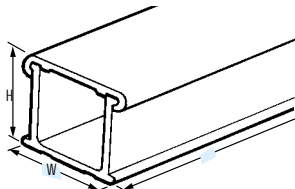
### Standard Product

Material	Class 1 to BS476 Part 7
Length	As shown
Sizes	50 x 50mm
Construction	Solid body complete with lid
Angle of Bends	90° only
Finish	Grey



### CABLE TRUNKING

#### Body & Cover complete

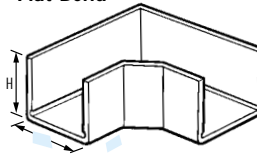


Ref.	Length L (m)	Width W (mm)	Height H (mm)	Coupler* Ref.
GT50-5	3	50	50	GTCC50

\* Coupler is a short length of cover

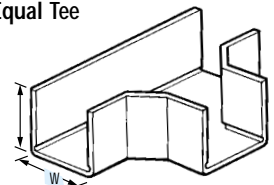
### FITTINGS

#### 90° Flat Bend

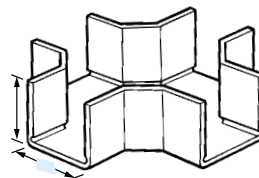


Ref.	Width W (mm)	Height H (mm)
GTA50	50	50

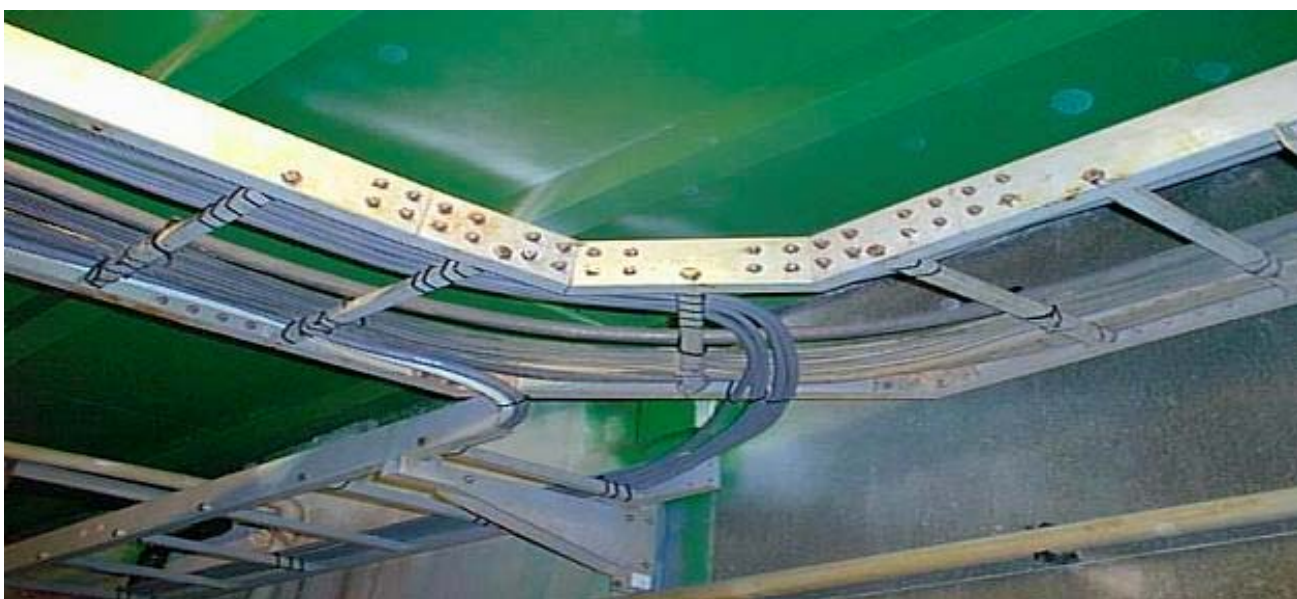
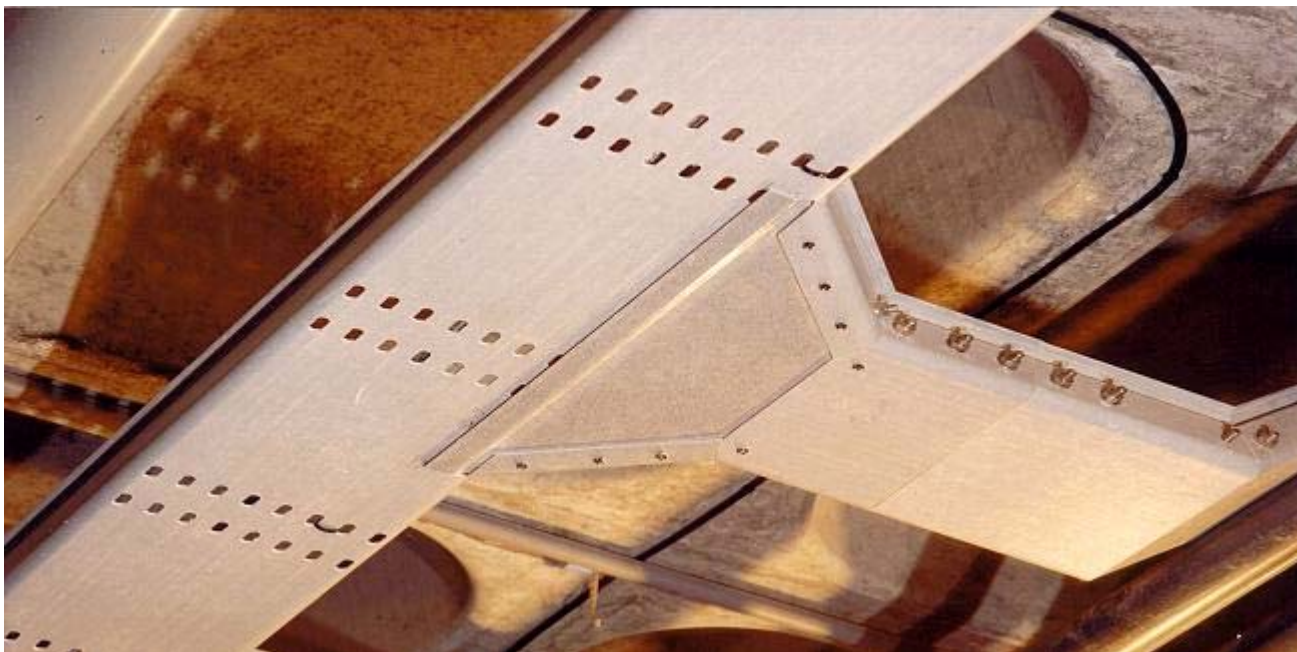
#### Equal Tee

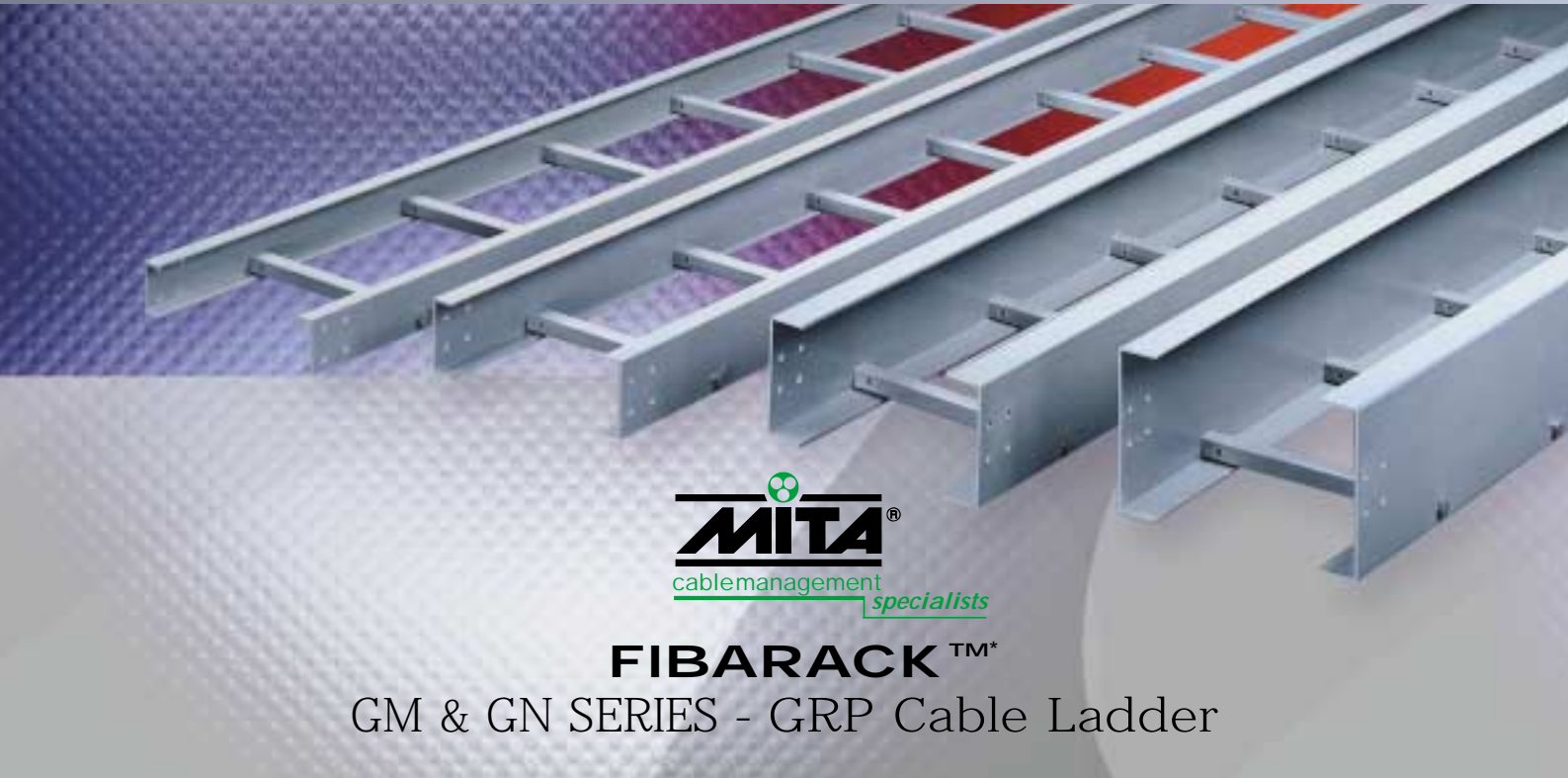


Ref.	Width W (mm)	Height H (mm)
GTT50	50	50



Ref.	Width W (mm)	Height H (mm)
GTX50	50	50

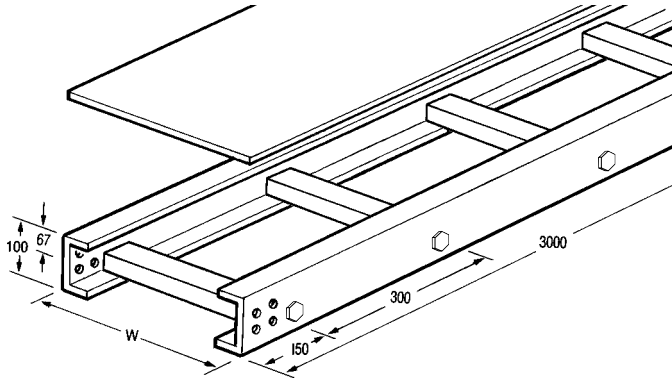




# FIBARACK™\*

## GM & GN SERIES - GRP Cable Ladder

GM Cable Ladder



Ref.	Width W (mm)	Weight per Length (kg)	Cover Ref.
GML150	150	13.6	GCL150
GML200	200	13.8	GCL200
GML300	300	14.2	GCL300
GML400	400	14.6	GCL400
GML450	450	14.8	GCL500
GML600	600	15.0	GCL600
GML750	750	15.4	GCL750
GML900	900	16.2	GCL900

**Covers**

Covers are secured using push-fit thermoplastic rivets (alternative 316 S/S self-tapping screws). Rivets are included with covers as standard.

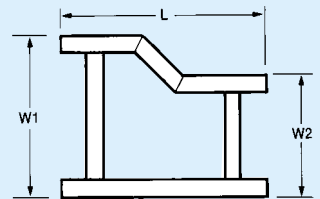
**Reference Numbers for Covers**

GM, GL, GN, GK ranges - change second letter of part number from M, L, N or K to C. - ie. GMA300 becomes GCA300.

\* Patent Protected No. 0873477

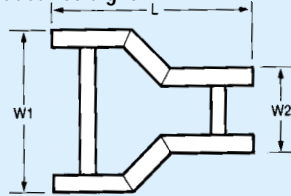
**REDUCERS**

Reducer L/Hand



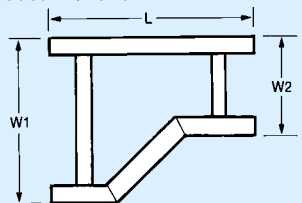
Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GMRL3015	300	150	553	2.2
GMRL4015	400	150	653	2.3
GMRL4030	400	300	503	2.4
GMRL4530	450	300	553	2.4
GMRL6030	600	300	703	2.6
GMRL6045	600	450	553	2.7
GMRL7560	750	600	553	2.9
GMRL9075	900	750	553	3.5

Reducer Straight



Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GMR3015	300	150	478	2.6
GMR4015	400	150	524	2.7
GMR4030	400	300	453	2.8
GMR4530	450	300	478	2.9
GMR6030	600	300	553	3.0
GMR6045	600	450	478	3.1
GMR7560	750	600	478	3.4
GMR9075	900	750	478	3.8

Reducer R/Hand



Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GMRR3015	300	150	553	2.2
GMRR4015	400	150	653	2.3
GMRR4030	400	300	503	2.4
GMRR4530	450	300	553	2.4
GMRR6030	600	300	703	2.6
GMRR6045	600	450	553	2.7
GMRR7560	750	600	553	2.9
GMRR9075	900	750	553	3.5

GM Series GRP Ladder Standard Product		Alternative Options* see notes
Material	Class 2 Polyester Resin	1. Class 2 Polyester Resin with anti-static additives 2. Class 1 Modar Resin 3. Class 1 Modar Resin with anti-static additives
Length	3m	6m
Widths	150-900mm	Sizes as required
Rung Spacing	300mm	250, 500mm
Construction	316 stainless steel bolts and assembly plates	UV resistant, non-metallic hardware and GRP assembly plates
Radius of Bends	300mm	All radii available
Angle of Bends	45° or 90°	30° or 60°
<i>To select the standard product use reference numbers shown.</i>		<i>To select an alternative product, add NS to the reference numbers shown and contact Stagobel</i>

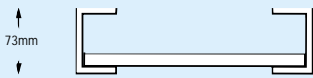
Additional Information	Page
Couplers & Accessories	9
Fasteners	16
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FIBASTRUT™ GRP Support Channel	11

● Hole diameter on all ladders is M8 clearance.

\* Alternative Options: Standard GM Ladder is 100mm depth. Also available: GL 73mm depth. GN 150mm depth. GK 200mm depth. Please change first two letters of reference number to GL, GN, GK as appropriate. Eg: 150mm wide GN Series cable ladder - straight length GNL150 Flat 90° bend GNA150

Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply.

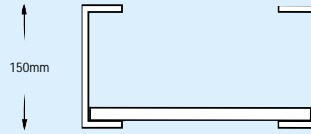
GL 73mm Inward Facing Sides



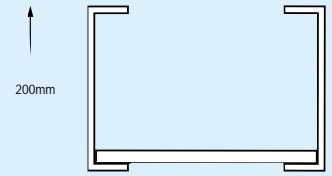
GM 100mm Inward Facing Sides



Heavy Duty GN 150mm Inward Facing Sides



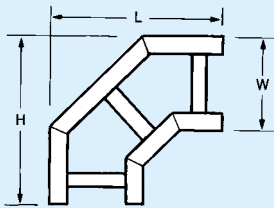
Heavy Duty GK 200mm Inward Facing Sides



GM CABLE LADDERS & FITTINGS

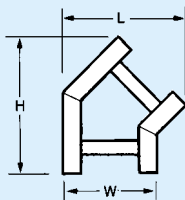
BENDS

90° Flat Bend



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GMA150	150	527	527	4.1
GMA200	200	577	577	4.3
GMA300	300	677	677	4.8
GMA400	400	777	777	5.3
GMA450	450	827	827	5.6
GMA600	600	977	977	7.3
GMA750	750	1127	1127	8.3
GMA900	900	1277	1277	9.8

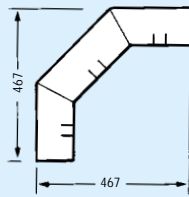
45° Flat Bend



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GMA1545	150	437	226	2.4
GMA2045	200	472	297	2.5
GMA3045	300	543	438	2.8
GMA4045	400	614	580	3.1
GMA4545	450	649	650	3.2
GMA6045	600	755	862	4.7
GMA7545	750	861	1075	5.4
GMA9045	900	968	1287	6.5

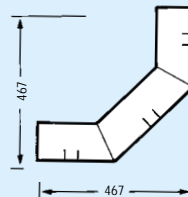
RISERS

External 90° Riser



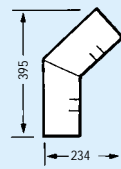
Ref.	Width W (mm)	Weights (kg)
GME150	150	4.0
GME200	200	4.1
GME300	300	4.4
GME400	400	4.6
GME450	450	4.7
GME600	600	5.1
GME750	750	5.5
GME900	900	5.8

Internal 90° Riser



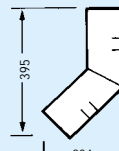
Ref.	Width W (mm)	Weights (kg)
GMI150	150	4.0
GMI200	200	4.1
GMI300	300	4.4
GMI400	400	4.6
GMI450	450	4.7
GMI600	600	5.1
GMI750	750	5.5
GMI900	900	5.8

External 45° Riser



Ref.	Width W (mm)	Weights (kg)
GME1545	150	2.4
GME2045	200	2.5
GME3045	300	2.7
GME4045	400	2.8
GME4545	450	2.9
GME6045	600	3.2
GME7545	750	3.4
GME9045	900	3.7

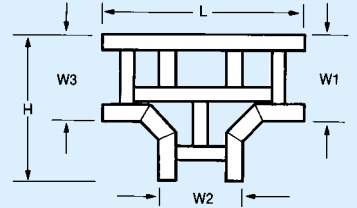
Internal 45° Riser



Ref.	Width W (mm)	Weights (kg)
GMI1545	150	2.4
GMI2045	200	2.5
GMI3045	300	2.7
GMI4045	400	2.8
GMI4545	450	2.9
GMI6045	600	3.2
GMI7545	750	3.4
GMI9045	900	3.7

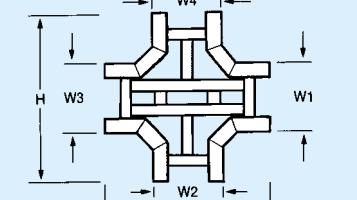
TEES & CROSSOVERS

Equal Tee

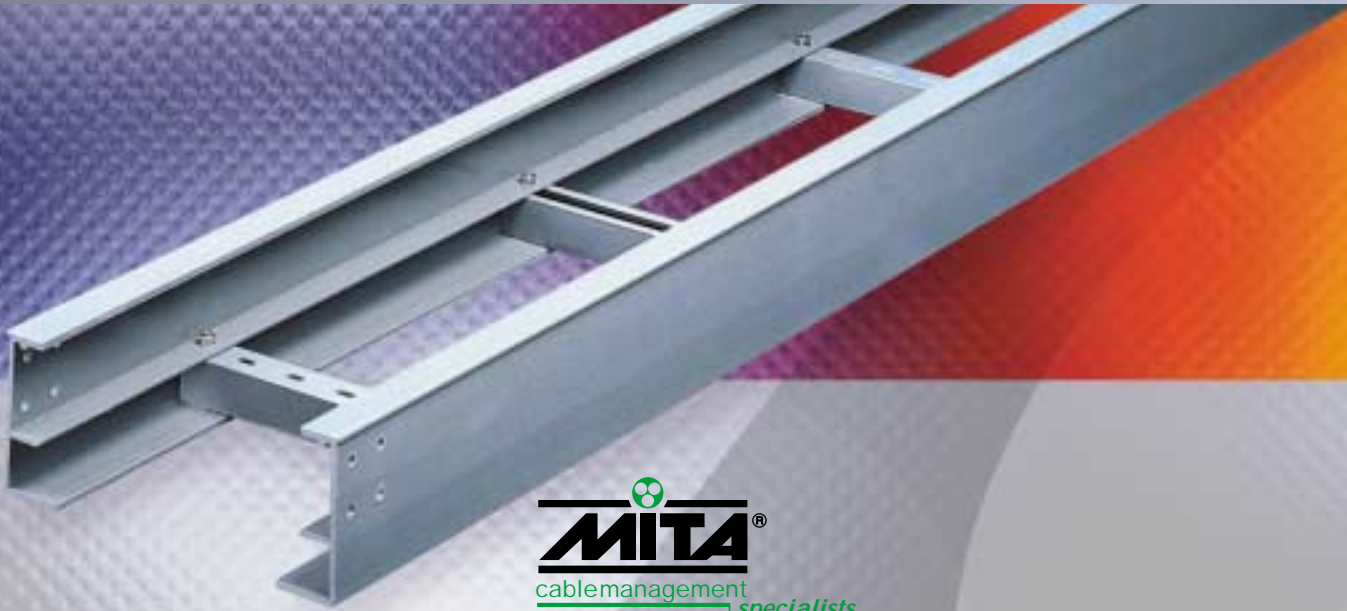


Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GMT150	150	527	894	5.6
GMT200	200	577	944	5.9
GMT300	300	677	1044	6.5
GMT400	400	777	1144	6.9
GMT450	450	827	1194	7.4
GMT600	600	977	1344	9.2
GMT750	750	1127	1494	10.4
GMT900	900	1277	1644	11.9

Equal Cross



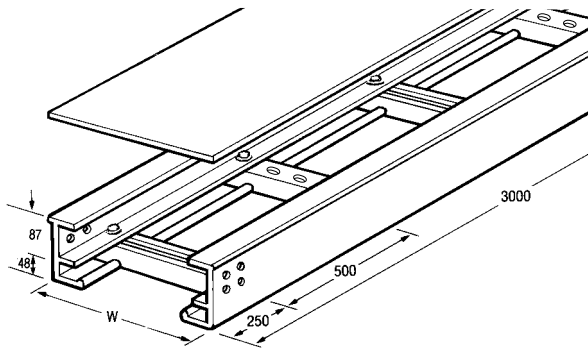
Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GMX150	150	894	894	7.9
GMX200	200	944	944	8.2
GMX300	300	1044	1044	8.8
GMX400	400	1144	1144	9.3
GMX450	450	1194	1194	9.6
GMX600	600	1344	1344	10.5
GMX750	750	1494	1494	11.1
GMX900	900	1644	1644	12.2



# FIBARACK™

## GH SERIES - GRP Cable Ladder

### GH Heavy Duty Cable Ladder



Ref.	Width W (mm)	Weight per Length (kg)	Cover Ref.
GHL150	150	18.4	GEL150
GHL200	200	18.6	GEL200
GHL300	300	19.1	GEL300
GHL400	400	19.6	GEL400
GHL450	450	19.9	GEL450
GHL600	600	20.6	GEL600
GHL750	750	21.4	GEL750
GHL900	900	22.1	GEL900
GHL1000	1000	22.6	GEL1000

#### Covers

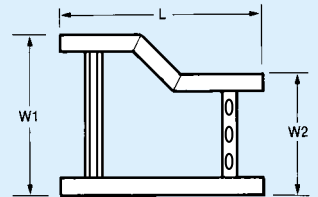
Covers are secured using push-fit thermoplastic rivets (alternative 316 S/S self-lapping screws). Rivets are included with covers as standard.

#### Reference Numbers for Covers

Change second letter of part number from H to E. - i.e. GHA300 becomes GEA300.

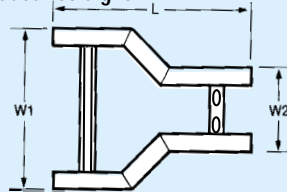
### REDUCERS

#### Reducer L/Hand



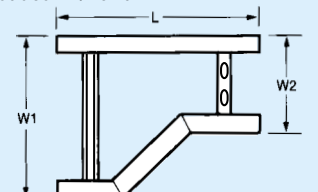
Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GHRL3015	300	150	553	4.3
GHRL4015	400	150	653	4.9
GHRL4030	400	300	503	4.2
GHRL4530	450	300	553	4.6
GHRL6030	600	300	703	5.7
GHRL6045	600	450	553	4.9
GHRL7560	750	600	553	5.1
GHRL9075	900	750	553	5.4
GHRL1075	1000	750	653	6.2

#### Reducer Straight



Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GHR3015	300	150	478	5.4
GHR4015	400	150	524	5.9
GHR4030	400	300	453	5.2
GHR4530	450	300	478	5.9
GHR6030	600	300	553	7.0
GHR6045	600	450	478	5.9
GHR7560	750	600	478	6.2
GHR9075	900	750	478	6.4
GHR1075	1000	750	524	7.3

#### Reducer R/Hand



Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GHRR3015	300	150	553	4.3
GHRR4015	400	150	653	4.9
GHRR4030	400	300	503	4.2
GHRR4530	450	300	553	4.6
GHRR6030	600	300	703	5.7
GHRR6045	600	450	553	4.9
GHRR7560	750	600	553	5.1
GHRR9075	900	750	553	5.4
GHRR1075	1000	750	653	6.2

GH Series GRP Ladder Standard Product		Alternative Options* see notes
Material	Class 2 Polyester Resin	1. Class 2 Polyester Resin with anti-static additives 2. Class 1 Modar Resin 3. Class 1 Modar Resin with anti-static additives
Length	3m	6m
Widths	150-1000mm	Sizes as required
Rung Spacing	500mm	250, 300mm
Rung Configuration	Rungs alternate face up/face down	As required
Construction	316 stainless steel bolts and assembly plates	UV resistant, non-metallic hardware and GRP assembly plates
Radius of Bends	300mm	All radii available
Angle of Bends	45° or 90°	30° or 60°
	<i>To select the standard product use reference numbers shown.</i>	<i>To select an alternative product, add NS to the reference numbers shown and contact Stagobel</i>

Additional Information	Page
Couplers & Accessories	9
Fasteners	16
Loadings	10
FIBASTRUT™ GRP Support Channel	11
● Hole diameter on all ladders is M8 clearance.	

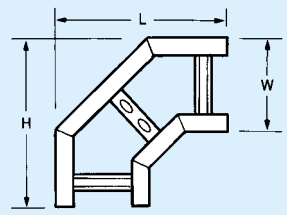
**\* Alternative Options**  
Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply.

# CORROSION RESISTANT COMPOSITE TECHNOLOGY

## GH CABLE LADDERS & FITTINGS

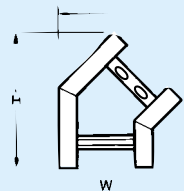
### BENDS

90° Flat Bend



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GHA150	150	527	527	4.1
GHA200	200	577	577	4.3
GHA300	300	677	677	4.8
GHA400	400	777	777	5.3
GHA450	450	827	827	5.6
GHA600	600	977	977	7.3
GHA750	750	1127	1127	8.3
GHA900	900	1277	1277	12.3
GHA1000	1000	1377	1377	12.9

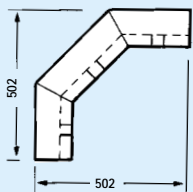
45° Flat Bend



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GHA1545	150	437	226	3.4
GHA2045	200	472	297	3.5
GHA3045	300	543	438	4.0
GHA4045	400	614	580	4.4
GHA4545	450	649	650	4.6
GHA6045	600	755	862	5.2
GHA7545	750	861	1075	5.7
GHA9045	900	968	1287	6.4
GHA1045	1000	1038	1428	6.7

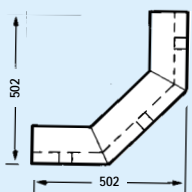
### RISERS

External 90° Riser



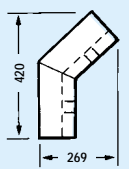
Ref.	Width W (mm)	Weights (kg)
GHE150	150	5.5
GHE200	200	5.6
GHE300	300	5.9
GHE400	400	6.1
GHE450	450	6.3
GHE600	600	6.6
GHE750	750	7.0
GHE900	900	7.4
GHE1000	1000	7.6

Internal 90° Riser



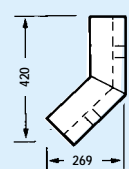
Internal Ref.	Width W (mm)	Weights (kg)
GHI150	150	6.1
GHI200	200	6.2
GHI300	300	6.5
GHI400	400	6.8
GHI450	450	6.9
GHI600	600	7.3
GHI750	750	7.6
GHI900	900	8.0
GHI1000	1000	8.3

External 45° Riser



Ref.	Width W (mm)	Weights (kg)
GHE1545	150	3.3
GHE2045	200	3.4
GHE3045	300	3.6
GHE4045	400	3.8
GHE4545	450	3.9
GHE6045	600	4.1
GHE7545	750	4.4
GHE9045	900	4.6
GHE1045	1000	4.8

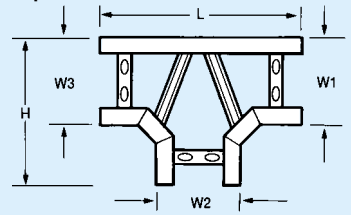
Internal 45° Riser



Ref.	Width W (mm)	Weights (kg)
GHI1545	150	3.0
GHI2045	200	3.1
GHI3045	300	3.3
GHI4045	400	3.4
GHI4545	450	3.5
GHI6045	600	3.8
GHI7545	750	4.0
GHI9045	900	4.3
GHI1045	1000	4.5

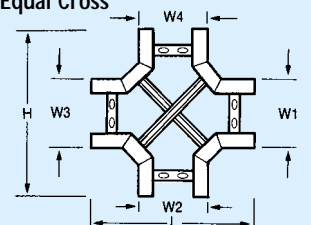
### TEES & CROSSOVERS

Equal Tee



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GHT150	150	527	894	8.7
GHT200	200	577	944	9.2
GHT300	300	677	1044	10.0
GHT400	400	777	1144	10.7
GHT450	450	827	1194	11.0
GHT600	600	977	1344	11.9
GHT750	750	1127	1494	13.1
GHT900	900	1277	1644	14.2
GHT1000	1000	1377	1744	14.9

Equal Cross



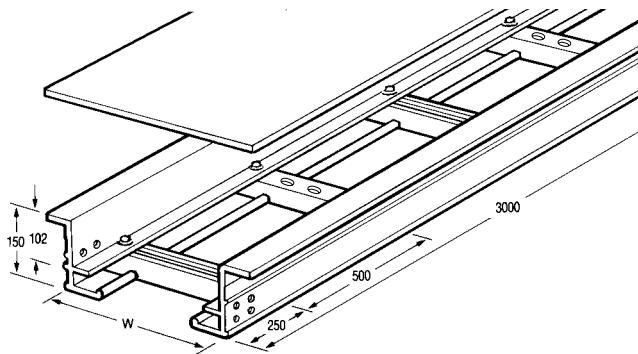
Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GHX150	150	894	894	11.6
GHX200	200	944	944	11.8
GHX300	300	1044	1044	12.4
GHX400	400	1144	1144	13.0
GHX450	450	1194	1194	13.3
GHX600	600	1344	1344	14.1
GHX750	750	1494	1494	15.0
GHX900	900	1644	1644	15.8
GHX1000	1000	1744	1744	16.4



# FIBARACK™\*

## GX SERIES - GRP Cable Ladder

### GX Extra Heavy Duty Cable Ladder



Ref.	Width W (mm)	Weight per Length (kg)	Cover Ref.
GXL150	150	18.4	GZL150
GXL200	200	18.6	GZL200
GXL300	300	19.1	GZL300
GXL400	400	19.6	GZL400
GXL450	450	19.9	GZL450
GXL600	600	20.6	GZL600
GXL750	750	21.4	GZL750
GXL900	900	22.1	GZL900
GXL1000	1000	22.6	GZL1000

#### Covers

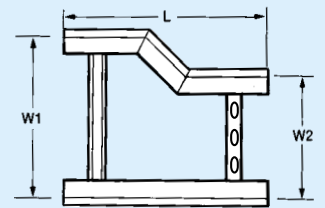
Covers are secured using push-fit thermoplastic rivets (alternative 316 S/S self-tapping screws). Rivets are included with covers as standard.

#### Reference Numbers for Covers

Change second letter of part number from X to Z - ie. GXA300 becomes GZA300.

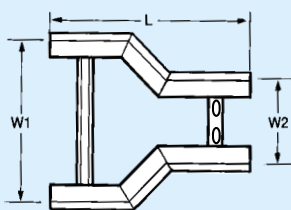
### REDUCERS

#### Reducer L/Hand



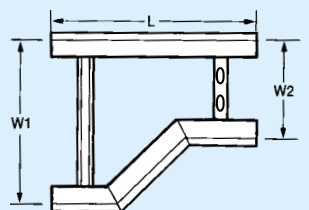
Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GXR3015	300	150	553	4.3
GXR4015	400	150	653	4.9
GXR4030	400	300	503	4.2
GXR4530	450	300	553	4.6
GXR6030	600	300	703	5.7
GXR6045	600	450	553	4.9
GXR7560	750	600	553	5.1
GXR9075	900	750	553	5.4
GXR1075	1000	750	653	6.2

#### Reducer Straight



Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GXR3015	300	150	478	5.4
GXR4015	400	150	524	5.9
GXR4030	400	300	453	5.2
GXR4530	450	300	478	5.9
GXR6030	600	300	553	7.0
GXR6045	600	450	478	5.9
GXR7560	750	600	478	6.2
GXR9075	900	750	478	6.4
GXR1075	1000	750	524	7.3

#### Reducer R/Hand



Ref.	Width W1 (mm)	Dimension Width W2 (mm)	Length L (mm)	Weight (kg)
GXR3015	300	150	553	4.3
GXR4015	400	150	653	4.9
GXR4030	400	300	503	4.2
GXR4530	450	300	553	4.6
GXR6030	600	300	703	5.7
GXR6045	600	450	553	4.9
GXR7560	750	600	553	5.1
GXR9075	900	750	553	5.4
GXR1075	1000	750	653	6.2

GX Series GRP Ladder Standard Product		Alternative Options* see notes
Material	Class 2 Polyester Resin	1. Class 2 Polyester Resin with anti-static additives 2. Class 1 Modar Resin 3. Class 1 Modar Resin with anti-static additives
Length	3m	6m
Widths	150-1000mm	Sizes as required
Rung Spacing	500mm	250, 300mm
Rung Configuration	Rungs alternate face up/face down	As required
Construction	316 stainless steel bolts and assembly plates	UV resistant, non-metallic hardware and GRP assembly plates
Radius of Bends	300mm	All radii available
Angle of Bends	45° or 90°	30° or 60°
<i>To select the standard product use reference numbers shown.</i>		<i>To select an alternative product, add NS to the reference numbers shown and contact Stাগobel</i>

Additional Information	Page
Couplers & Accessories	9
Fasteners	16
Loadings	10
FIBASTRUT™ GRP Support Channel	11
● Hole diameter on all ladders is M8 clearance.	

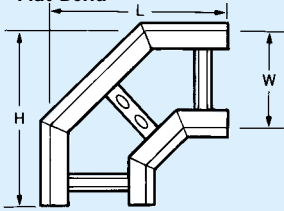
**\* Alternative Options**  
Please contact us for details of any minimum manufacturing quantities, lead times and price premiums which may apply.

# CORROSION RESISTANT COMPOSITE TECHNOLOGY

## G X C A B L E L A D D E R S & F I T T I N G S

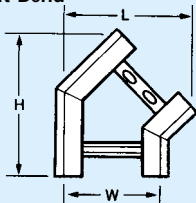
### BENDS

90° Flat Bend



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GXA150	150	527	527	6.0
GXA200	200	577	577	6.3
GXA300	300	677	677	7.0
GXA400	400	777	777	7.7
GXA450	450	827	827	8.1
GXA600	600	977	977	10.3
GXA750	750	1127	1127	11.3
GXA900	900	1277	1277	12.3
GXA1000	1000	1377	1377	12.9

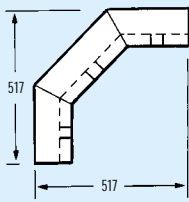
45° Flat Bend



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GXA1545	150	437	226	3.4
GXA2045	200	472	297	3.5
GXA3045	300	543	438	4.0
GXA4045	400	614	580	4.4
GXA4545	450	649	650	4.6
GXA6045	600	755	862	5.2
GXA7545	750	861	1075	5.7
GXA9045	900	968	1287	6.4
GXA1045	1000	1038	1428	6.7

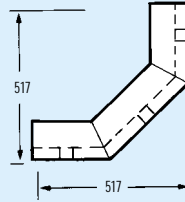
### RISERS

External 90° Riser



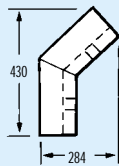
Ref.	Width W (mm)	Weights (kg)
GXE150	150	5.5
GXE200	200	5.6
GXE300	300	5.9
GXE400	400	6.1
GXE450	450	6.3
GXE600	600	6.6
GXE750	750	7.0
GXE900	900	7.4
GXE1000	1000	7.6

Internal 90° Riser



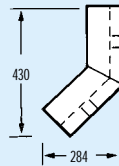
Ref.	Width W (mm)	Weights (kg)
GXI150	150	6.1
GXI200	200	6.2
GXI300	300	6.5
GXI400	400	6.8
GXI450	450	6.9
GXI600	600	7.3
GXI750	750	7.6
GXI900	900	8.0
GXI1000	1000	8.3

External 45° Riser



Ref.	Width W (mm)	Weights (kg)
GXE1545	150	3.3
GXE2045	200	3.4
GXE3045	300	3.6
GXE4045	400	3.8
GXE4545	450	3.9
GXE6045	600	4.1
GXE7545	750	4.4
GXE9045	900	4.6
GXE1045	1000	4.8

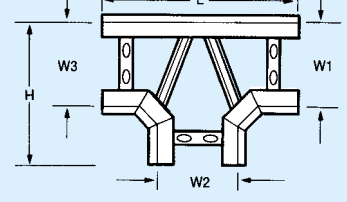
Internal 45° Riser



Ref.	Width W (mm)	Weights (kg)
GXI1545	150	3.0
GXI2045	200	3.1
GXI3045	300	3.3
GXI4045	400	3.4
GXI4545	450	3.5
GXI6045	600	3.8
GXI7545	750	4.0
GXI9045	900	4.3
GXI1045	1000	4.5

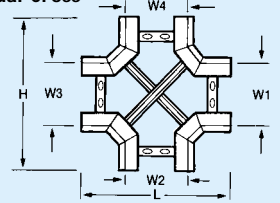
### TEES & CROSSOVERS

Equal Tee



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GXT150	150	527	894	8.7
GXT200	200	577	944	9.2
GXT300	300	677	1044	10.0
GXT400	400	777	1144	10.7
GXT450	450	827	1194	11.0
GXT600	600	977	1344	11.9
GXT750	750	1127	1494	13.1
GXT900	900	1277	1644	14.2
GXT1000	1000	1377	1744	14.9

Equal Cross



Ref.	Width W (mm)	Dimension Height H (mm)	Length L (mm)	Weight (kg)
GXX150	150	894	894	11.6
GXX200	200	944	944	11.8
GXX300	300	1044	1044	12.4
GXX400	400	1144	1144	13.0
GXX450	450	1194	1194	13.3
GXX600	600	1344	1344	14.1
GXX750	750	1494	1494	15.0
GXX900	900	1644	1644	15.8
GXX1000	1000	1744	1744	16.4



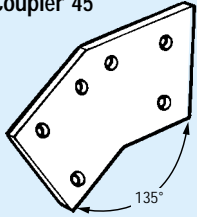
# FIBARACK™ GRP CABLE LADDER ACCESSORIES

for use with GML, GN, GH, & GXL Series Ladders

**STAINLESS STEEL ACCESSORIES**  
(hole diameter on all items M8 clearance except GHDC - M10 clearance)

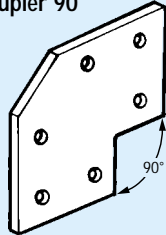
### COUPLERS

**Vertical Angle Coupler 45°**



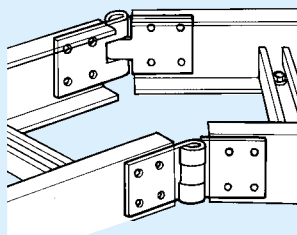
Ref.	Dimensions (mm)	Weight (gms)
GSC-V45-S	2 x 72	126

**Vertical Angle Coupler 90°**



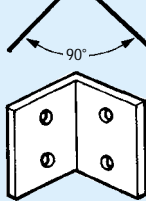
Ref.	Dimensions (mm)	Weight (gms)
GSC-V90-S	2 x 72	142

**Variable Angle Coupler**



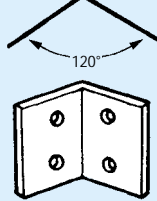
Ref.	Dimensions (mm)	Weight (gms)
GHHC-S	2mm thick	224

**Horizontal Angle Coupler 90°**



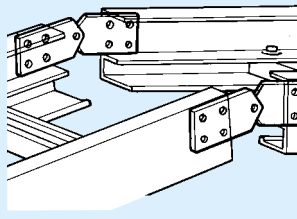
Ref.	Dimensions (mm)	Weight (gms)
GSC-H90-S	2 x 72	160

**Horizontal Angle Coupler 60°**



Ref.	Dimensions (mm)	Weight (gms)
GSC-H60-S	2 x 72	160

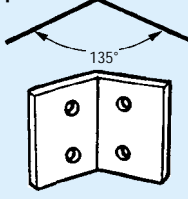
**Hinged Coupler**



Ref.	Dimensions (mm)	Weight (gms)
GVHC-S*	2 x 72 x 115	272

Vertical Hinge Coupler  
Max. External Angle = 45°  
Max. Internal Angle = 90°

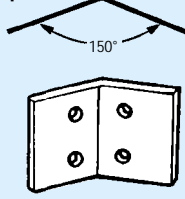
**Horizontal Angle Coupler 45°**



Ref.	Dimensions (mm)	Weight (gms)
GSC-H45-S	2 x 72	160

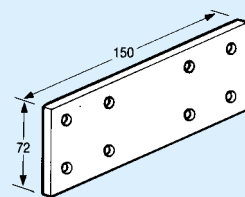
\* This coupler is also available in GRP

**Horizontal Angle Coupler 30°**



Ref.	Dimensions (mm)	Weight (gms)
GSC-H30-S	2 x 72	160

**Coupling Plate**

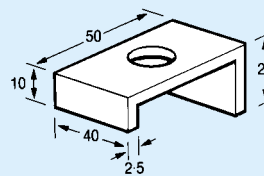


Ref.	Dimensions (mm)	Weight (gms)
GHC-S*	2 x 72 x 150	160

### CLAMP

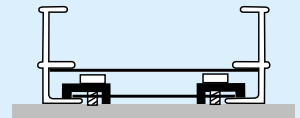
**Ladder Clamp**

(Please also see Hold Down Clamp GHDC-G on page 13)



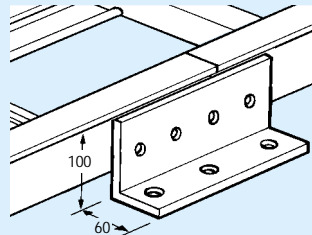
Ref.	Dimensions (mm)	Weight (gms)
GHDC-S*	2.5 x 21 x 50	54
Hole size	M10	

**Typical Application**



### SUPPORTS

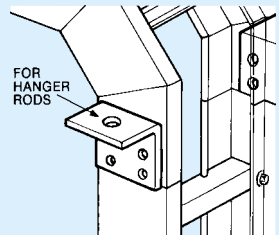
**Coupler Support**



Ref.	Dimensions (mm)	Weight (gms)
GCS	8 x 60/100 x 160	334

For GXL - Series use 2.5mm packing.

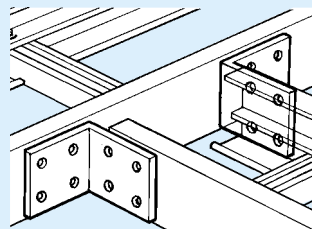
**Riser Support**



Ref.	Dimensions (mm)	Weight (gms)
GRSC	8 x 60/100 x 72	160

Not suitable for GXL - Series.

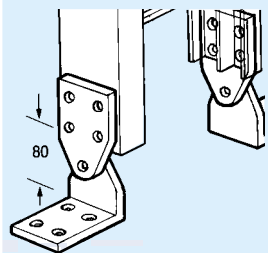
**'T' Joint Coupler**



Ref.	Dimensions (mm)	Weight (gms)
GTJC	8 x 100/100 x 72	220

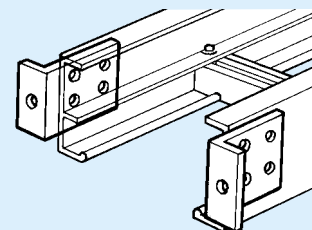
### ENDS

**Hinged End Fixing**



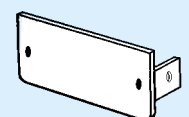
Ref.	Dimensions (mm)	Weight (gms)
GHEF	8mm thick	240

**Fixed Support**



Ref.	Dimensions (mm)	Weight (gms)
GFES	8 x 60/100 x 72	160

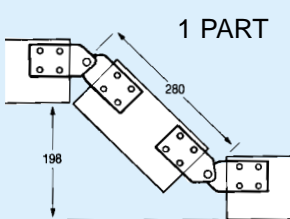
**Stop End**



Available for all ranges on request

### RISERS

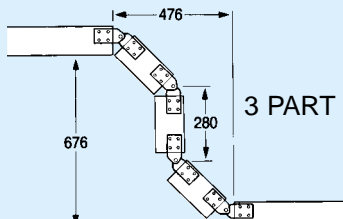
**Articulated Riser**



Ref.	Dimensions (mm)
GR1	198 x 280

For reference number, add the ladder type, M, H or X followed by the width, e.g. GR1M1000 for an M-Series 1000mm width.

**Articulated Riser**



Ref.	Dimensions (mm)
GR3	676 x 476

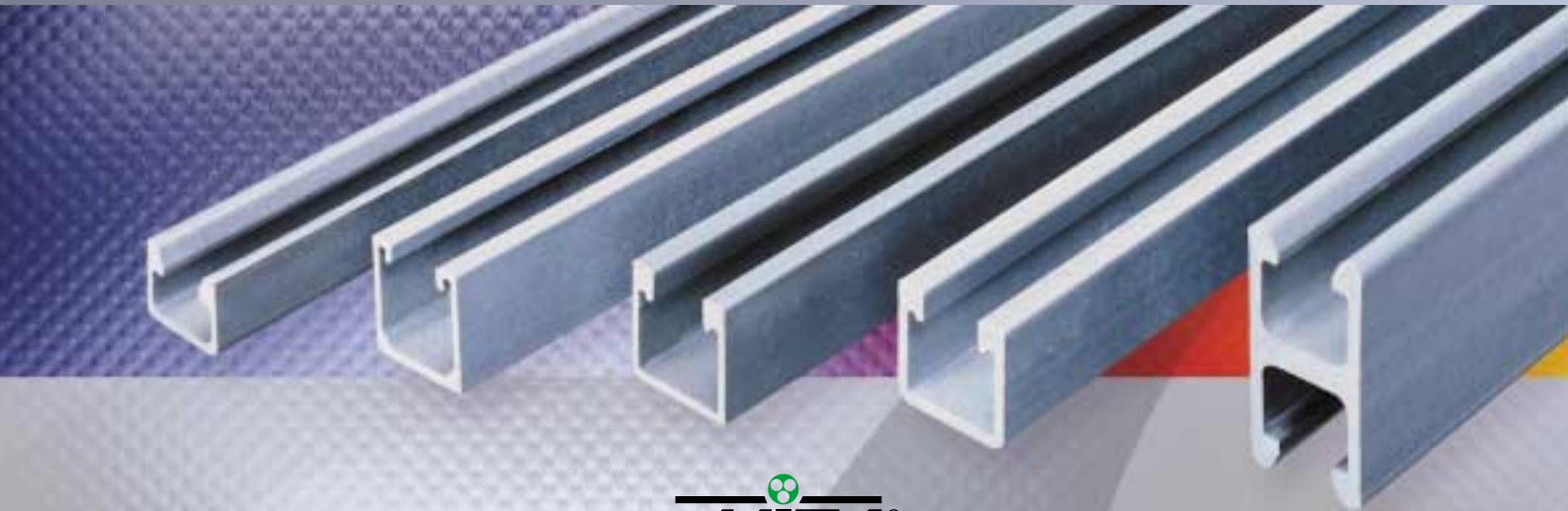
For reference number proceed the same way as with GR1 - Riser

Articulated Risers consist of:  
GR1=2 pairs of GVHC, 200mm of GRP ladder with 1 rung attached.  
GR3=4 pairs of GVHC, 3 x 200mm of GRP ladder with 1 rung attached.


**MATERIEL DE FIXATION**
**INOX 316/GRYLON/NYLON/PVC – Matériel de fixation pour échelles, gaines et chemins à câbles**

		Matériau	Longueur	Dimensions et références				Remarques
				M6	M8	M10	M12	
	<b>Ecrou coulissant</b>	PVC	<b>P</b>		GZ1-8	GZ1-10		Uniquement pour applications légères en Fibastrut GS1
	<b>Ecrou coulissant à ressort</b>	INOX316	<b>S</b>	SZ6	SZ8	SZ10	SZ12	Uniquement pour applications plus lourdes en Fibastrut GS1, GS2 et GS3
	<b>Ecrou hexagonal</b>	INOX316 Grylon Nylon	<b>S</b> <b>G</b> <b>N</b>	MSS6N MN6N	MSS8N MG8N MN8N	MSS10N MG10N MN10N		Pour applications lourdes : RVS316 Pour applications légères : Nylon/Grylon
	<b>Rondelle</b>	INOX316 Nylon	<b>S</b> <b>N</b>	W6SS	W8SS W8N	W10SS		Toutes applications
	<b>Rondelle dentelée</b>	INOX316	<b>S</b>	SCW6S	SCW8S	SCW10S		Dentelée pour verrouillage
	<b>Ecrou coulissant</b>	INOX316	<b>S</b>		SCN8	SCN10		Pour applications lourdes en Fibastrut GS0/2D
	<b>Boulon</b>	INOX316 Grylon	<b>S</b> <b>G</b>	60 40 60	CBSS860 CBSS840 CBG860			
	<b>Boulon à tête hexagonale</b>	INOX316 Grylon Nylon	<b>S</b> <b>G</b> <b>N</b>	20 25 40 25 25	MSS6B MSS8B MSS10B MSS1040B MG8B MN6B	MG10B MN8B MN10B		Pour applications lourdes en INOX316 Pour applications légères en Grylon/Nylon
	<b>Boulon, écrou et rondelle</b> <b>Boulon et écrou</b> <b>Boulon et écrou</b>	INOX316 PVC Grylon Nylon	<b>S</b> <b>P</b> <b>G</b> <b>N</b>	20 25	MSS6 MSS8 MSP8 MG8 MN6	MSS10 MG10 MN10		En INOX316 pour applications lourdes et en PVC/Grylon et Nylon pour applications légères
	<b>Tige filetée</b>	INOX316 Nylon	<b>S</b> <b>N</b>	1m 3m 1m		SSR10100 SSR10300 NSR10100		En INOX pour applications lourdes En Nylon pour applications légères
	<b>Boulon-T pour profilés Fibastrut</b> Matériau synthétique					GZT10		Partie filetée M10 de 30mm pour écrou MG10N. Pour tous les profilés Fibastrut GS0, GS1, GS2, GS2D

S = INOX316 G = GRYLON N = NYLON P = PVC



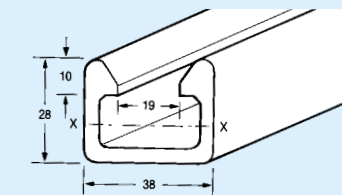
# FIBASTRUT™ GRP Channel Support Systems

## GRP SUPPORT CHANNEL & COVER

### CHANNELS

### COVERS

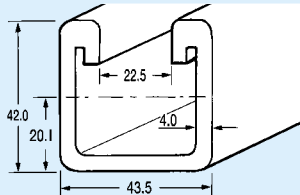
#### Light Duty Channel \*



Ref.	Dimensions (mm)	Weight (kg/m)
GS0	28 x 38	0.73

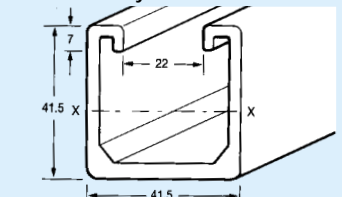
Available in 3m lengths only.

#### Heavy Duty Channel



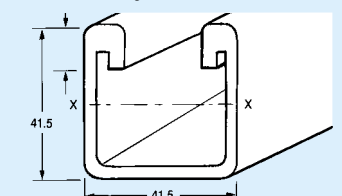
Ref.	Dimensions (mm)	Weight (kg/m)
GS3	42.5 x 43.5 x 3m	1.10
GS3-6	42.5 x 43.5 x 6m	1.10

#### Standard Duty Channel



Ref.	Dimensions (mm)	Weight (kg/m)	Length
GS1	41.5 x 41.5	0.82	3
GS1-6/NFR	41.5 x 41.5	0.82	6

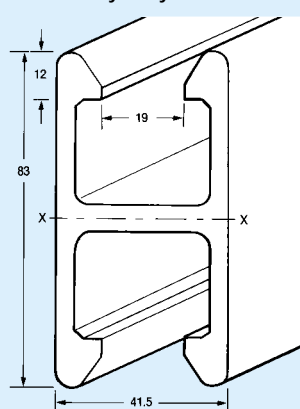
#### Standard Duty Channel



Ref.	Dimensions (mm)	Weight (kg/m)
GS2	41.5 x 41.5	0.87

Available in 3m lengths only.

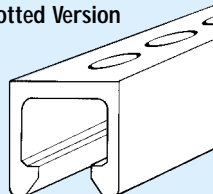
#### Extra Heavy Duty Channel \*



Ref.	Dimensions (mm)	Weight (kg/m)
GS2D	41.5 x 83	2.46

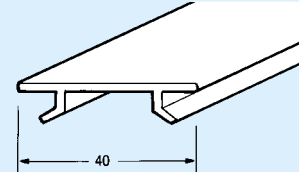
Available in 3m lengths only.

#### Slotted Version



Slotted versions are also available. Contact the Sales Office for further details.

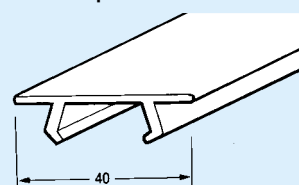
#### Cover Strip - PVC



Ref.	Dimensions (mm)	Weight (kg/m)
PSCS	40	0.07

PVC - For Sections GS1, GS2

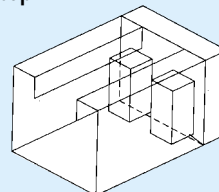
#### Cover Strip - GRP



Ref.	Dimensions (mm)	Weight (kg/m)
GSCS	40	0.41

For further details, please contact us

#### End Cap



Ref.	Dimensions (mm)	Weight (gms)
PEC1	For Section GS1	10

Colour: White or Black

As well as being the perfect accompaniment to other MITA industrial support products, this range of Channel Support Systems is ideal for mounting other industrial service items such as pipework and ducting.

Fibastrut™ has high rigidity coupled with an excellent load bearing to weight ratio and of course is totally resistant to a wide range of corrosive agents. The Support Channel often forms the very backbone for an installation to which everything else is mounted. This assurance of strength and serviceability in harsh environments will come as a welcome message to those involved in the specification and installation of Channel Support Systems.

\* Note: GS0 and GS2D only accept channel nut types SCN8, SCN10 (without springs) see page 16. Other types accept standard channel nuts.

Fibastrut Support	Standard Product	Alternative Options - Type GS1 only *
Material	Class 2 Polyester Resin (except GS1-6/NFR)	1. Class 2 Polyester Resin with anti-static additives 2. Class 1 Modar Resin 3. Class 1 Modar Resin with anti-static additives
Length	3m	6m
Fittings & Fasteners	See pages 21-23 & 32	Details of special designs on request
Standard Bolt Size	M10	

Additional Information	Page
Couplers & Accessories	9
Fasteners	16
Loadings	10

**\* Alternative Options**  
Please contact us for any details of any minimum quantities, lead times and price premiums which may apply

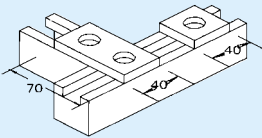
**Please Note:** Hole diameter on all fittings are M10 clearance. Other clearance hole sizes can be supplied to order.

Hole centres are generally 41mm and multiples thereof. Fittings are shown in their typical application. There are many other situations where they can be used. GRP fittings suit all sections.

GRP FIBASTRUT™ FITTINGS

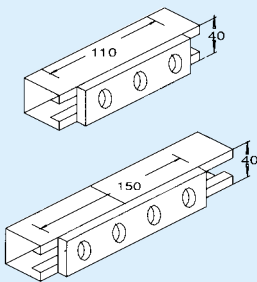
PLATES

Plate



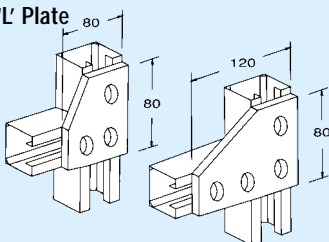
Ref.	Dimensions (mm)	Weight (gms)
GSC1	8 x 40 x 40	22
GSC2	5 x 40 x 70	43
GSC1-3/NS	3 x 40 x 40	8

Plate



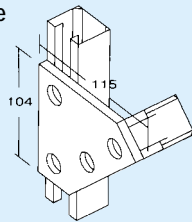
Ref.	Dimensions (mm)	Weight (gms)
GSC3	5 x 40 x 110	65
GSC4	5 x 40 x 150	87

'L' Plate



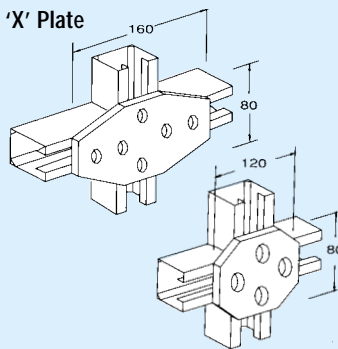
Ref.	Dimensions (mm)	Weight (gms)
GSL3	8 x 80 x 80	96
GSL4	8 x 80 x 120	98

'Y' Plate



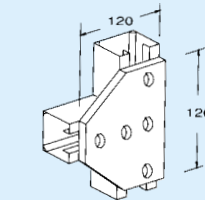
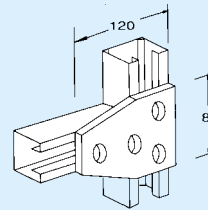
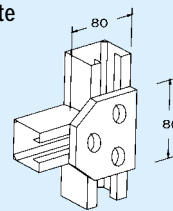
Ref.	Dimensions (mm)	Weight (gms)
GSY4	5 x 104 x 115	105

'X' Plate



Ref.	Dimensions (mm)	Weight (gms)
GSX4	8 x 80 x 80	64
GSX6	8 x 80 x 200	130

'T' Plate



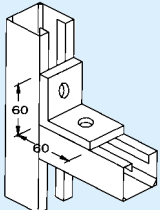
Ref.	Dimensions (mm)	Weight (gms)
GST3	8 x 80 x 80	65
GST4	8 x 80 x 120	98
GST5	5 x 120 x 120	131



G R P F I B A S T R U T™ Fittings (continued) For fasteners - see page 17

BRACKETS

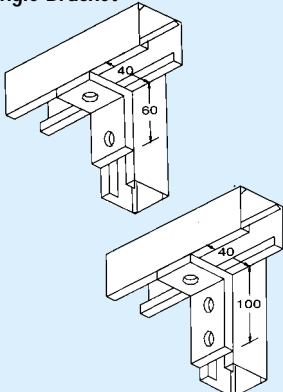
Angle Bracket



Ref.	Dimensions (mm)	Weight (gms)
GS266	8 x 40 x 60/60	119

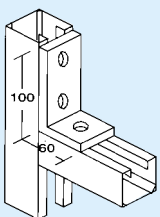
Horizontal strut to be supported at both ends.

Angle Bracket



Ref.	Dimensions (mm)	Weight (gms)
GS246	8 x 40 x 40/60	51
GS3410	8 x 40 x 40/100	72

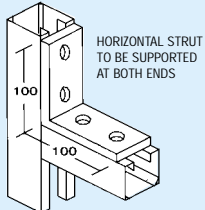
Angle Bracket



Ref.	Dimensions (mm)	Weight (gms)
GS3610	8 x 40 x 60/100	152

Horizontal strut to be supported at both ends.

Angle Bracket

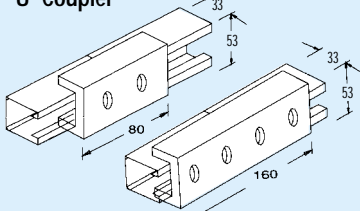


Ref.	Dimensions (mm)	Weight (gms)
GS41010	8 x 40 x 100/100	210

Horizontal strut to be supported at both ends.

COUPLERS

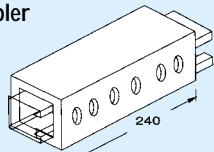
'U' Coupler



Ref.	Dimensions (mm)	Weight (gms)
GSU2	53 x 33 x 80	38
GSU4	53 x 33 x 160	79

External Connector

Coupler

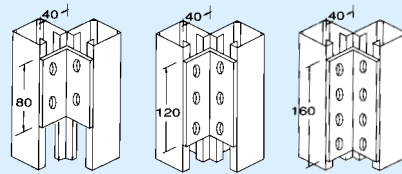


Ref.	Dimensions (mm)	Weight (gms)
GSB6	3.5 x 51/51 x 240	237

External Tube Connector

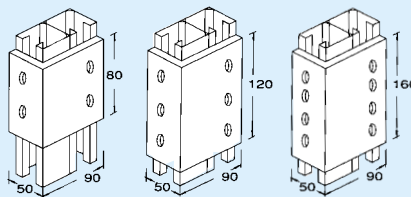
COUPLERS

Corner Coupler (Internal)



Ref.	Dimensions (mm)	Weight (gms)
GSIC4	5 x 40/40 x 80	85
GSIC6	5 x 40/40 x 120	123
GSIC8	5 x 40/40 x 180	161

Corner Coupler (External)

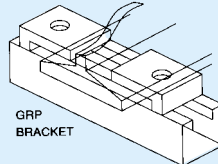


Ref.	Dimensions (mm)	Weight (gms)
GSEC4	8 x 50/90 x 80	185
GSEC6	8 x 50/90 x 120	275
GSEC8	8 x 50/90 x 160	365

CLAMP

Hold Down Clamp

(Can be used as ladder hold down clamp)

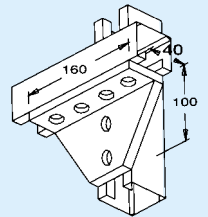
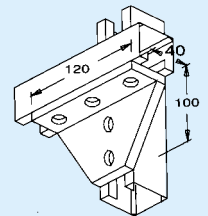
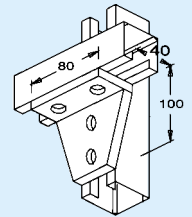


Ref.	Dimensions (mm)	Weight (gms)
GHDC-G	8 x 20/60 x 40	85

Stale flange thickness

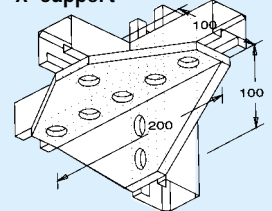
SUPPORTS

Angle Support



Ref.	Dimensions (mm)	Weight (gms)
GS4410	8 x 80 x 40/100	119
GS5410	8 x 120 x 40/100	152
GS6410	8 x 160 x 40/100	210

'X' Support



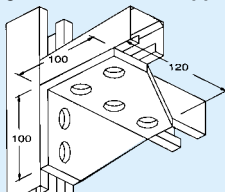
Ref.	Dimensions (mm)	Weight (gms)
GSCX8	8 x 100/100 x 200	332

# CORROSION RESISTANT COMPOSITE TECHNOLOGY

## GRP FIBASTRUT™ Fittings (Stainless Steel Fittings)

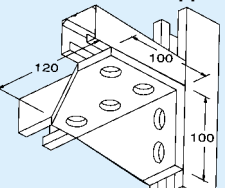
### SUPPORTS

#### Right Hand Corner Support



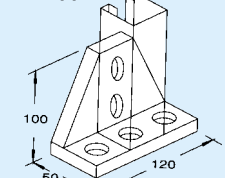
Ref.	Dimensions (mm)	Weight (gms)
GSCR6	8 x 100/100 x 120	291

#### Left Hand Corner Support



Ref.	Dimensions (mm)	Weight (gms)
GSCL6	8 x 100/100 x 120	291

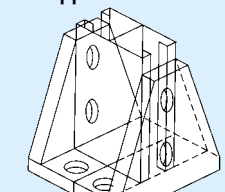
#### Base Support



Ref.	Dimensions (mm)	Weight (gms)
GSBS5	8 x 120 x 50/100	174

Floor/ceiling fixing

#### Base Support

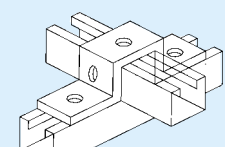


Ref.	Dimensions (mm)	Weight (gms)
GSBS52D	2 of GSBS5	348

For back to back section GS2D

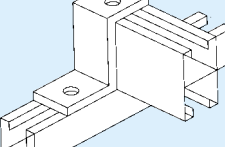
### BRACKETS

#### 'U' Bracket



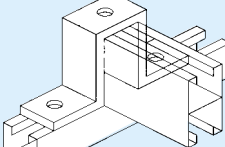
Ref.	Dimensions (mm)	Weight (gms)
SU42D	For GS1/GS2/GS2D	376

#### 'Z' Bracket



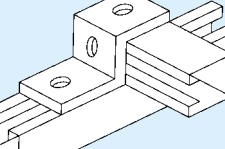
Ref.	Dimensions (mm)	Weight (gms)
SZ3D	For GS1/GS2/GS2D	193

#### 'U' Bracket



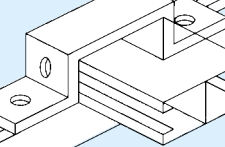
Ref.	Dimensions (mm)	Weight (gms)
SU32D	For GS1/GS2/GS2D	410

#### 'Z' Bracket



Ref.	Dimensions (mm)	Weight (gms)
SZ22D	For GS1/GS2/GS2D	300

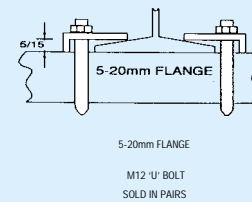
#### 'U' Bracket



Ref.	Dimensions (mm)	Weight (gms)
SU5D	For GS1/GS2/GS2D	325

### CLAMPS

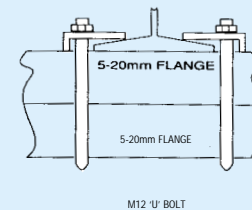
#### Beam Clamp



Ref.	Dimensions (mm)	Weight (gms)
SBC4	12 x 25/60 x 80	500

Sold in pairs

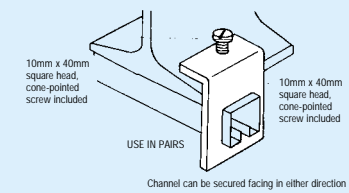
#### Beam Clamp



Ref.	Dimensions (mm)	Weight (gms)
SBC8	12 x 25/60 x 80	600

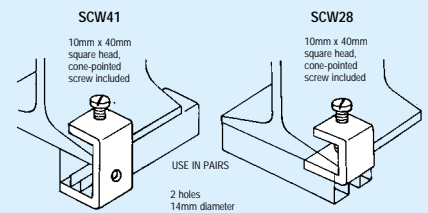
Sold in pairs

#### Window Clamp



Ref.	Dimensions (mm)	Weight (gms)
SC41	90 x 90 x 45	177

#### C-Clamp



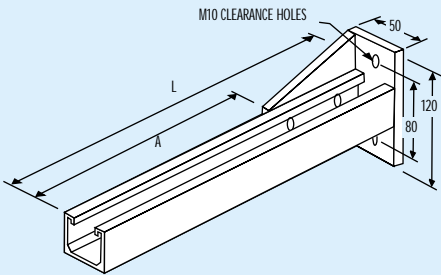
Ref.	Dimensions (mm)	Weight (gms)
SCW41	30 x 80	488
SCW28	30 x 50	390



# FIBASTRUT™ CANTILEVER ARM SUPPORT

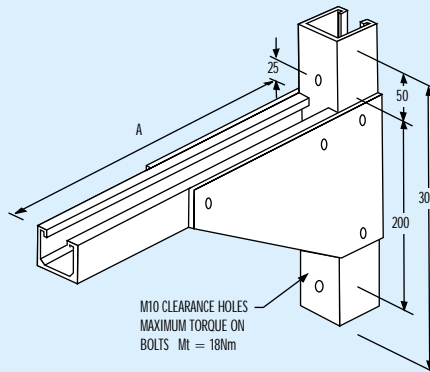
GRP FIBASTRUT™ CANTILEVER ARM SUPPORTS

### Standard Duty



Ref	Dimensions		Weight (kg)	U.D.Load (kgf)
	A	L		
GSCA050	70	170	0.46	165
GSCA075	95	195	0.48	129
GSCA100	120	220	0.50	106
GSCA150	170	270	0.54	78
GSCA200	220	320	0.58	62
GSCA250	270	370	0.62	51
GSCA300	320	420	0.66	44
GSCA400	420	520	0.74	34
GSCA450	470	570	0.78	30

### Heavy Duty



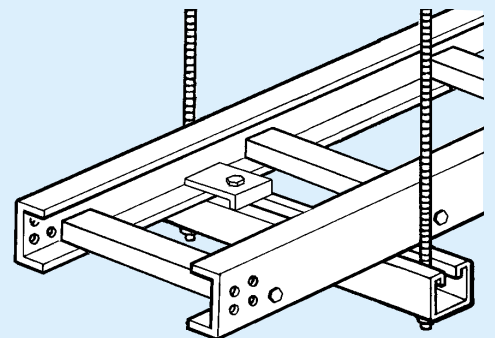
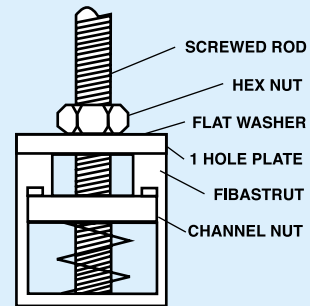
Ref	Dimensions		Weight (kg)	U.D.Load (kgf)
	A			
GSCAH015	180		1.09	277
GSCAH020	230		1.22	229
GSCAH025	280		1.35	196
GSCAH030	330		1.47	171
GSCAH035	380		1.60	151
GSCAH040	430		1.73	136
GSCAH045	480		1.85	124
GSCAH050	530		1.98	113
GSCAH055	580		2.11	104
GSCAH060	630		2.23	97
GSCAH065	680		2.36	90
GSCAH075	780		2.62	79
GSCAH080	830		2.74	75
GSCAH090	930		3.00	67
GSCAH095	980		3.13	64
GSCAH100	1030		3.25	61
GSCAH105	1080		3.38	59

(Heavy Duty Supports can also be supplied as multi-tiers)

### Fibastrut to be used as a suspension support

GS3 is recommended as a suspension support for GRP cable trays or ladders

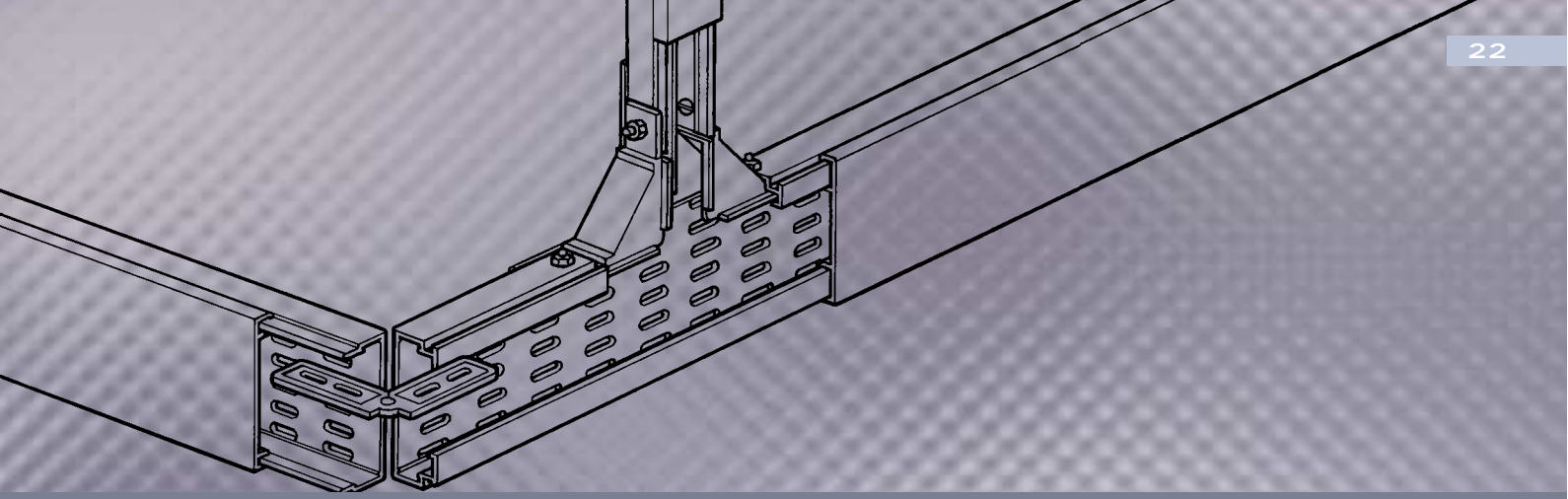
### TRAPEZE SUPPORT



GS3 Fibastrut channel can be cut into pieces which are 25mm longer on each side than the tray or ladder itself (i.e. for a 300mm tray, the piece of strut will be 350mm wide). A hole will be drilled in the base of this strut at each end at approximately 15mm centres (from the end). A spring channel nut with the appropriate hole (M10 recommended) will be placed directly above each hole and threaded rod of this diameter then screwed through the holes and secured with appropriate nuts and extra large washers below the strut.

Maximum UDL per support 418kg

Note: GS1 strut is not recommended to support GRP tray or ladder.



## LOAD - SPAN - DEFLECTION COMPARISON TABLE FOR MITA INDUSTRIAL TRUNKING, TRAYS, DUCTS & LADDERS

### CONTINUOUS BEAM:- RESTRICTED DEFLECTION / LOAD @ $d = L/200$

UNIFORMLY DISTRIBUTED LOAD W IN (kgf) PER SPAN L in (m) and DEFLECTION d in (mm)

Span L (m) >	1.00m	1.25m	1.50m	1.75m	2.00m	2.25m	2.50m	2.75m	3.00m	3.25m	3.50m	3.75m	4.00m	4.25m	4.50m	4.75m	5.00m	5.25m	5.50m	5.75m	6.00m
d = L/200 >	5.00	6.25	7.50	8.75	10.00	11.25	12.50	13.75	15.00	16.25	17.50	18.75	20.00	21.25	22.50	23.75	25.00	26.25	27.50	28.75	30.00
Load (kgf) >	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

#### GRP - CABLE DUCT AND TRAY:- FIBATRUNK (c/w Lid)

Restricted Deflection is greater than maximum Deflection

GT50-5	214	172	125	92	71	56	45	37	31	27	23	20	Spans are not recommended									
GT80-8	514	411	342	294	257	212	172	142	119	102	88	76	67	59	53	48	43	39	35	32	30	
GT120-12	1111	889	741	635	556	494	444	404	370	328	283	246	216	192	171	153	138	126	114	105	96	
GT140-7	439	351	293	251	220	178	144	119	100	85	74	64	56	50	45	40	36	33	30			
GT140-10	824	659	549	471	412	366	330	299	252	214	185	161	142	125	112	100	91	82	75	69	63	

#### GRP - CABLE DUCTING:- FIBADUCT CABSYS (Lid to be ordered separately)

Restricted Deflection is greater than maximum Deflection

60mm HIGH SERIES																					
GRP100-6	471	377	313	230	176	139	113	93	79	67	58	50	44	39	35	31	28	Spans are not recommended			
GRP150-6	499	399	333	268	206	163	132	109	92	78	67	59	52	45	41	36	33	30			
GRP200-6	516	413	344	295	226	179	145	120	101	86	74	65	57	50	45	40	36	33	30		
GRP300-6	536	429	357	306	254	201	163	134	113	96	83	72	64	57	50	45	41	37	34	31	
80mm HIGH SERIES																					
GRP100-8	716	573	478	410	345	273	221	183	154	131	113	98	87	77	69	62	56	50	46	42	38
GRP150-8	763	611	509	436	382	318	258	213	179	153	132	115	101	90	80	72	65	59	54	47	45
GRP200-8	793	635	529	453	397	352	285	236	198	169	146	127	112	99	88	79	72	65	59	54	50
GRP300-8	829	663	553	474	415	369	323	267	224	191	165	144	126	112	100	90	81	74	67	61	56
GRP400-8	849	680	566	486	425	378	340	287	241	206	178	155	136	121	108	97	87	79	72	66	61
110mm HIGH SERIES																					
GRP100-110	1165	932	777	665	583	518	466	394	331	282	243	212	186	165	147	132	119	108	99	90	83
GRP150-110	1247	998	832	713	624	555	499	454	385	328	283	247	217	192	171	154	139	126	115	105	97
GRP200-110	1303	1042	869	745	652	579	521	474	427	364	314	274	241	213	190	171	154	140	127	117	107
GRP300-110	1372	1097	915	784	686	610	549	499	458	416	359	312	275	243	217	195	176	160	146	133	122
GRP400-110	1413	1131	942	808	707	628	566	514	471	435	389	339	298	264	236	212	191	173	158	145	133

#### GRP - CABLE LADDER:- FIBARACK

Restricted Deflection is greater than maximum Deflection

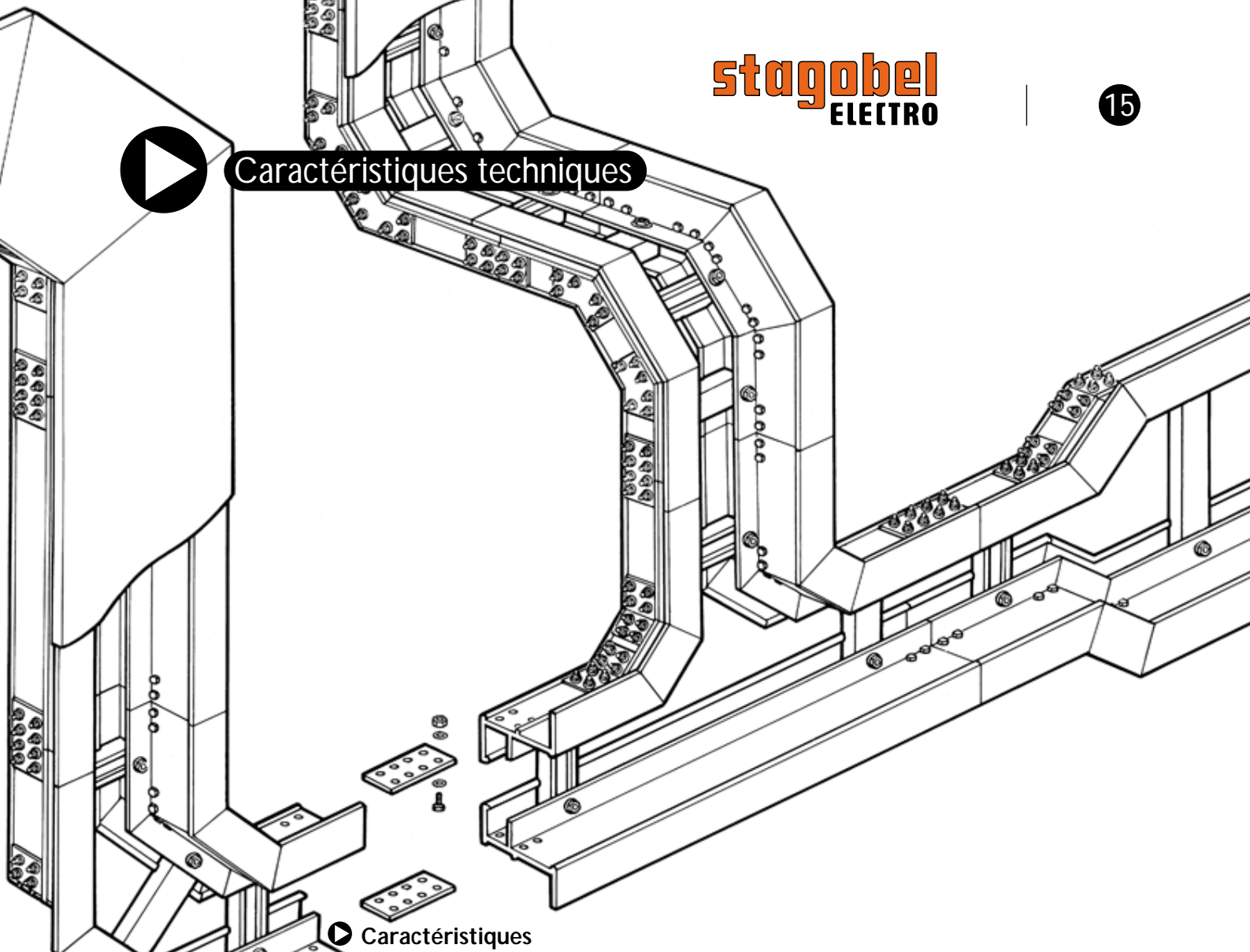
GLL - Range	1015	812	677	580	508	451	406	369	338	312	269	235	206	183	163	146	132	120	109	100	92
GML - Range	1431	1144	954	817	715	636	572	520	477	440	409	381	358	337	314	282	255	231	211	193	177
GNL - Range	3622	2897	2414	2069	1811	1610	1449	1317	1207	1114	1035	966	905	852	805	762	724	690	658	630	604
GKL - Range	5457	4366	3638	3118	2729	2425	2183	1984	1819	1679	1559	1455	1364	1284	1213	1149	1091	1039	992	949	910
GHL - Range	5052	4020	3350	2872	2513	2233	2010	1827	1675	1546	1436	1340	1256	1182	1117	1058	1005	957	914	874	838
GXL - Range	5823	4658	3882	3327	2919	2588	2329	2117	1941	1792	1664	1553	1456	1370	1294	1226	1165	1109	1059	1013	971

To obtain load per metre, divide the load per given span by that span.

ALL LOAD & DEFLECTION FIGURES ARE THEORETICAL ONLY, FOR ANY GIVEN SITE SITUATION SEEK ADVICE FROM MITA'S TECHNICAL PERSONNEL.



## Caractéristiques techniques



### Caractéristiques

#### Caractéristiques mécaniques :

Résine polyester isophthalique thermodurcissable à fibres de verre unidirectionnelles 'E', sandwiché entre deux couches de nattes tissées de fibres de verre 'E' 450 g/m<sup>2</sup>.

Toutes les surfaces sont recouvertes d'un voile de surface de polyester pour protection chimique et UV.

#### Polyester renforcé de fibres de verre, retardateur de flamme :

La résine exempte d'halogènes ou les additifs retardateurs de flammes assure la conformité des matériaux aux essais de propagation de la flamme suivant BS476 : Partie 7; 1987, Class 1. Le polyester renforcé de fibres de verre Class 1 est exempt de chlore et de brome.

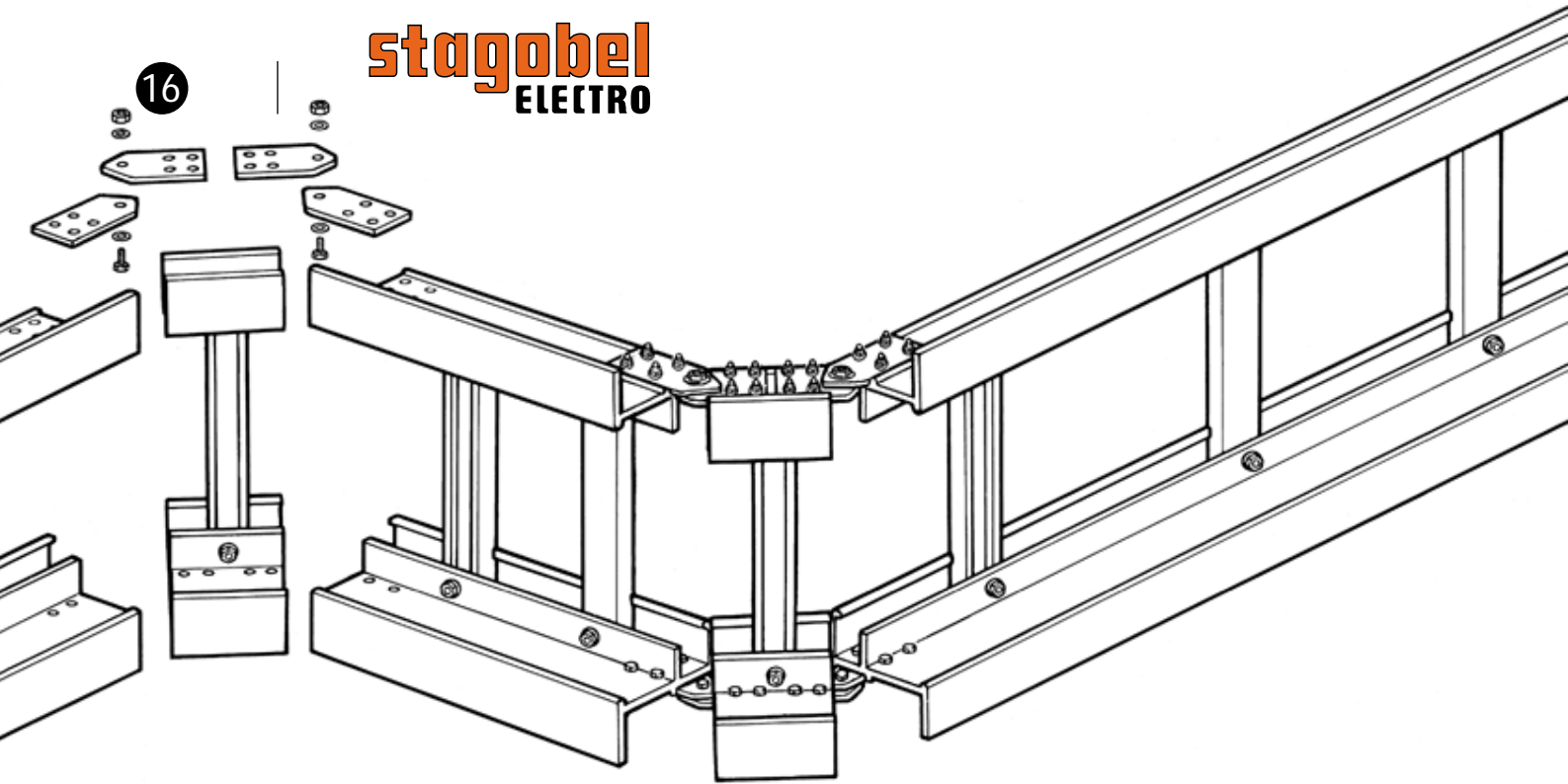
Aucun halogène toxique n'est dégagé à haute température ou en cas d'incendie. Retardateur de flammes, exempt d'halogènes.

Idéal pour les applications dans l'industrie alimentaire et pétrochimique. Facile à manipuler et à scier. Les trous sont facilement forés sur site.



#### Résistance aux produits chimiques

Produit	Concentration	Temp °C	Résistance
Acide acétique	5%	65	+
Acide chlorhydrique	1%	95	+
Acide chlorhydrique	10%	65	+
Acide chlorhydrique	37%	25	+
Acide chromique	5%	95	+
Acide nitrique	30%	20	+
Acide phosphorique	1%	95	+
Acide phosphorique	10%	95	+
Acide phosphorique	85%	65	+
Acide sulfurique	1%	95	+
Acide sulfurique	5%	65	+
Acide sulfurique	10%	75	+
Acide sulfurique	30%	25	+
Acides sébaciques	100%	95	+
Benzène		20	+
Bicarbonate de sodium		65	+
Bière		20	+
Bisulfate de sodium		25	+
Carbonate de sodium		25	+
Chlorohydrine éthylénique		65	+
Chlorure de calcium		95	+
Chlorure de magnésium		95	+
Chlorure de sodium		95	+
Eau de mer	100%	50	+
Eau saline		65	+
Gaz/eau de chlore		20	+
Glycol éthylénique		95	+
Hypochlorite de sodium	5%	65	+
Kérosène		95	+
Naphtalène		95	+
Nitrate d'ammonium	100%	95	+
Nitrate de sodium	100%	95	+
Silicate de sodium		25	+
Sulfate d'aluminium		95	+
Sulfate de cuivre		95	+
Sulfate de fer		95	+
Sulfate de sodium		95	+
Sulfate de zinc		65	+
Trisodiumphosphate		25	+



### Caractéristiques mécaniques :

Résistance à la traction : 200 - 306 N/mm<sup>2</sup>  
 Résistance à la compression : 200 - 306 N/mm<sup>2</sup>  
 Résistance à la flexion : 200 - 306 N/mm<sup>2</sup>  
 Résistance au glissement : 61 N/mm<sup>2</sup>  
 Résistance aux chocs : 600 - 900 Ncm/cm<sup>2</sup>  
 Densité : 1.7 - 1.9 g/mm<sup>3</sup>

### Caractéristiques électriques :

Rigidité diélectrique : 7 - 15 kV/mm  
 Résistance d'isolation : 10<sup>13</sup> - 10<sup>16</sup> ohm

### Caractéristiques thermiques :

Conductibilité thermique : 0.2 - 0.3 kcal/(mh °C)  
 Indice d'oxygène : 42%  
 Plage de températures : -40 à +120 °C

### Résistance aux intempéries :

Absorption d'eau : 24 h = 0.15%  
 4 jours = 0.25%  
 Augmentation de poids : après 500 h = 0.7%

Le polyester renforcé de fibres de verre résiste très bien aux intempéries et aux rayons UV. Les produits ne doivent pas être débavurés et les traits de scie et trous forés ne doivent pas être traités.

Température °C	Résine polyester % de la résistance	Vinylester % de la résistance
25	100	100
38	90	100
50	78	100
68	68	90
79	60	90
90	52	75

### Polyester renforcé de fibres de verre à finition antistatique

Pour les applications requérant des propriétés antistatiques, une version appropriée est disponible. Détails disponibles sur demande.

### ATTENTION :

Les produits présentés dans ce catalogue ont été conçus pour être appliqués comme porteurs de câbles.

### NE PAS UTILISER COMME COULOIRS.

**stagobel**  
**ELECTRO**

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