

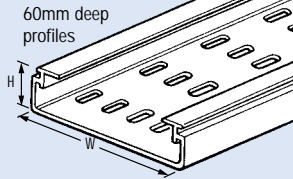
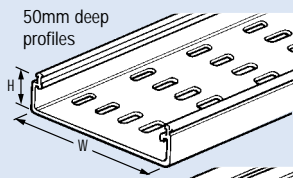
**NEW**  
also available  
in white



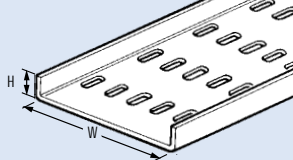
# PVC CABLE TRAY

## PVC TRAY & COVER

### M-Series



### L-Series (Light Duty)



### TRAY

#### Straight Tray

Ref.	Width W (mm)	Height H (mm)	Cover Ref.
<b>Medium Duty</b>			
•MT50-5	50	50	•MTC50
•MT75-5	75	50	•MTC75
MT100-5	100	50	MTC100
MT150-5	150	50	MTC150

<b>Heavy Duty</b>			
•MT100-6	100	60	•MC100
•MT150-6	150	60	•MC150
•MT200-6	200	60	•MC200
•MT300-6	300	60	•MC300

MT300-10	300	100	MC310
MT400-10	400	100	MC400
MT600-10	600	100	MC600

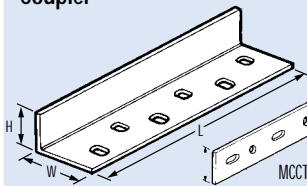
<b>Light Duty</b>			
Ref.	Width W (mm)	Height H (Nominal) (mm)	Cover Ref.
LT50-2	50	20	-
LT75-2	75	20	-
LT100-2	100	20	-
LT150-2	150	20	-
LT200-2	200	20	-
LT300-2	300	20	-

Because of the nature and application of light duty cable tray, fittings are not normally required. Should they be needed they may be produced subject to minimum manufacturing quantities. Details available on request.

• Also available in white

### COUPLER

#### Coupler



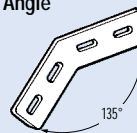
Ref.	Height H (mm)	Length L (mm)
•MCCT	27	150
•MCCT	27	150
MCC50	31	300
MCC50	31	300

•MCC60	41	300
•MCC60	41	300
•MCC60	41	300
•MCC60	41	300

MCC100	73	405
MCC100	73	405
MCC100	73	405

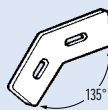
#### Angled Couplers

##### 45° Flat Angle



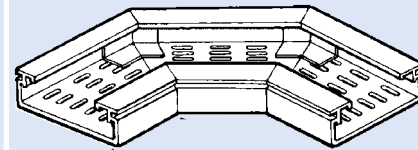
MCCT-A

##### 45° Flat Angle



MCCT-B

#### 90° Flat Bend

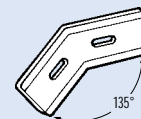


Ref.	Width W (mm)	Height H (mm)	Cover Ref.
•MA50-5	50	50	•MATC50
•MA75-5	75	50	•MATC75
MA100-5	100	50	MATC100
MA150-5	150	50	MATC150

•MA100-6	100	60	•MAC100
•MA150-6	150	60	•MAC150
•MA200-6	200	60	•MAC200
•MA300-6	300	60	•MAC300

MA300-10	300	100	MAC310
MA400-10	400	100	MAC400
MA600-10	600	100	MAC600

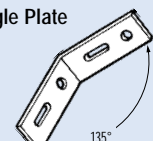
##### 45° Flat Angle



(Suitable only for Heavy Duty series of trays)

MCCT-C

##### 45° Angle Plate



MCCT-D

**THERMAL EXPANSION** - uPVC is subject to thermal expansion and contraction, therefore, care should be taken to ensure that the tray is well supported along its length, and not rigidly fixed to any base or support structure.

Any holes drilled in the tray for screw or bolt fixings should be well oversize to allow for movement due to temperature fluctuations and it is recommended that nylon washers be used under screw or bolt heads.

A gap should be left between adjoining lengths to allow for expansion, 2-3mm will be sufficient for most needs but where extremes of temperature change are envisaged a gap of 6mm should be left.

Coupling bolts should not be over tightened.

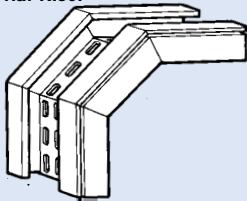
	Standard Product	Alternative Options*
Material	Grey uPVC	White uPVC - please contact MITA for further details
Length	3m	
Widths	50-600mm	
Radius of Bends	300mm	
Angle of Bends	45° or 90°	

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

# CORROSION RESISTANT COMPOSITE TECHNOLOGY

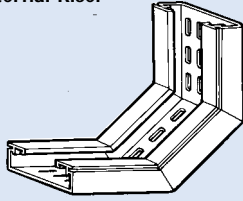
## RISERS & REDUCER

### 90° External Riser



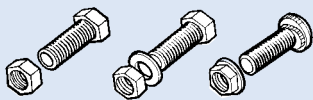
Ref.	Width W (mm)	Height H (mm)	Cover Ref.
•ME50-5	50	50	•METC50
•ME75-5	75	50	•METC75
ME100-5	100	50	METC100
ME150-5	150	50	METC150
•ME100-6	100	60	•MEC100
•ME150-6	150	60	•MEC150
•ME200-6	200	60	•MEC200
•ME300-6	300	60	•MEC300
ME300-10	300	100	MEC310
ME400-10	400	100	MEC400
ME600-10	600	100	MEC400

### 90° Internal Riser



Ref.	Width W (mm)	Height H (mm)	Cover Ref.
•MI50-5	50	50	•MITC50
•MI75-5	75	50	•MITC75
MI100-5	100	50	MITC100
MI150-5	150	50	MITC150
•MI100-6	100	60	•MIC100
•MI150-6	150	60	•MIC150
•MI200-6	200	60	•MIC200
•MI300-6	300	60	•MIC300
MI300-10	300	100	MIC310
MI400-10	400	100	MIC400
MI600-10	600	100	MIC600

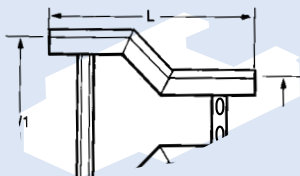
### Screws & Nuts



#### M8 size recommended

N.B: When fixing PVC tray it is satisfactory to use accessories of the same material. We recommend the use of steel screws when jointing PVC tray with other materials - See page 33.

### Reducer - Straight



Ref.	To reduce from (mm)
MR75-5	75
MR100-*	100
MR150-*	150
MR200-*	200
MR300-*	300
MR400-*	400
MR600-*	600

\* Substitute first two digits of size to be used e.g. MR300-20 for 300/200mm reducer.

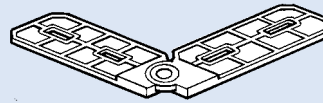
## PVC FITTINGS

### INTERNAL & EXTERNAL RISERS

### TEES & CROSSOVERS

### Hinge

uPVC

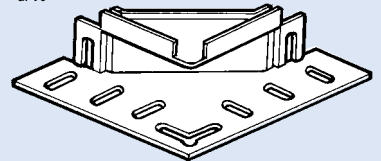


**Application:** To produce either convex or concave bends easily on site at any angle between 0-90°. This provides a versatile alternative to a pre-formed bend. (Also available on request.)

Ref.	Length L (mm)	Width W (mm)
MH60	240	41.5
MH100	290	73

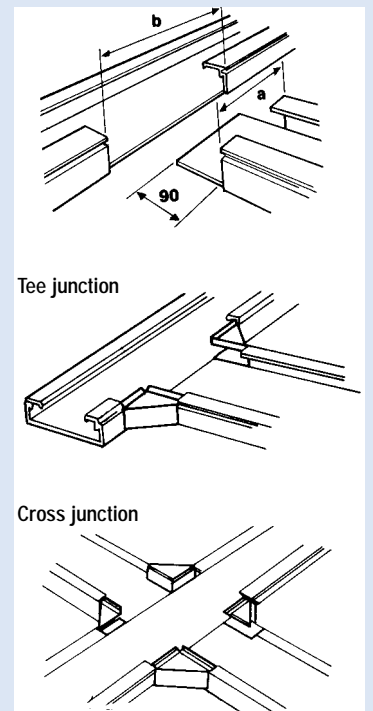
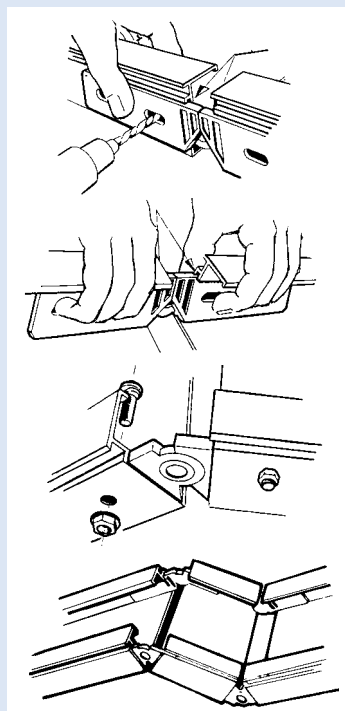
### Tee Piece

uPVC



**Application:** To produce either convex or concave bends easily on site at any angle between 0-90°. This provides a versatile alternative to a pre-formed bend. (Also available on request.)

Ref.
•MTT1





# PVC CABLE TRAY

## Mounting and Supports

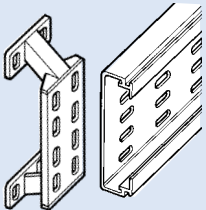
### VERTICAL

#### Vertical Mounting of PVC Trays

There are two recommended methods:

#### 1 Using Wall Brackets

A full range of MVB Vertical Brackets are available which stand the tray away from a wall or other surface by 75mm.



**Application:**  
To provide vertical support for cable tray, either by wall mounting or rail mounting.

Ref.	Dimensions (mm)	Max. Load* (kg)
MVB50	50	200
MVB75	75	200
MVB100	100	200
MVB150	150	200
MVB200	200	200
MVB300	300	200
MVB400	400	200
MVB600	600	200

\* At 30 °C

#### 2 Using FIBASTRUT Support Channel with Vertically Mounted PVC Cable Tray

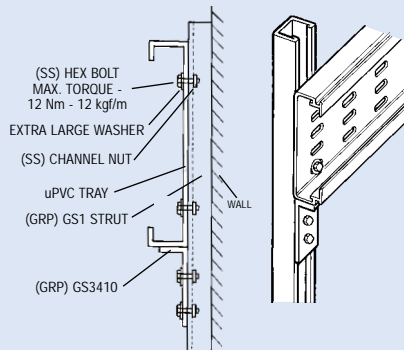
When mounting PVC cable tray vertically to Fibastrut, a GS3410 should be used as illustrated together with either a GSC1-3/NS 3mm GRP Plate or an extra large washer mounted between the bolt head and the tray base at each fixing point.

Maximum safe working loads and torque values are shown in the table below:

Channel Ref.	Channel Nut Ref.	Safe Working Load (per Channel Nut)	Max. Torque value in Nm.
GS1	SZ8/SZ10	75Kg	10Nm
	SCN8/SCN10	75Kg	10Nm
GS2/GS3	SZ8/SZ10	75Kg	12Nm
	SCN8/SCN10	75Kg	12Nm
GS1/GS2/GS2D	GZT10	10Kg	6Nm

Additionally, GZT10's when used in pairs or more can be loaded as follows (combined load):-

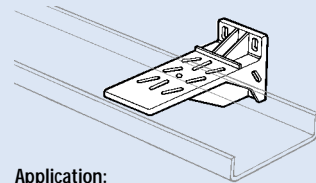
Channel Ref.	Channel Nut Ref.	Safe Working Load (per Channel Nut)	Max. Torque value in Nm.
GS1/GS2/GS2D	GZT10 (2 off)	16Kg	6Nm
	(3 off)	29Kg	6Nm
	(4 off)	38Kg	6Nm



### HORIZONTAL

#### Horizontal Mounting of PVC Trays

#### 1 A range of MHB Horizontal Brackets are available for sizes up to and including 400mm.

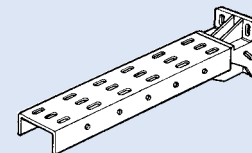


**Application:**  
To provide horizontal support for cable tray, either by wall mounting or rail mounting.

Ref.	Dimensions (mm)	Max. Load* (kg)
MHB100	100	175
To suit sizes 50, 75, 100		
MHB150	150	175
MHB200	200	175
MHB300	300	175
MHB400	400	175

\* At 30 °C

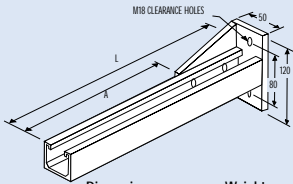
For 600mm tray the MHB400 bracket must be extended using a piece of MR1 mounting rail fitted on the top of the bracket. (The MR1 must be inverted to fit over the cantilever arm as shown.)





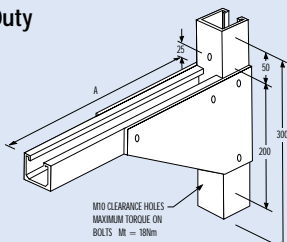
**Cantilever Arm Supports - GRP**

**2 Standard Duty**



Ref	Dimensions A	Dimensions L	Weight (kg)	U.D. Load (kgf)
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**

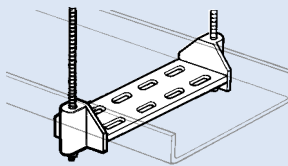


Ref	Dimensions A	Weight (kg)	U.D. Load (kgf)
GSCAH015	180	1.09	277
GSCAH020	230	1.22	229
GSCAH025	280	1.35	196
GSCAH030	330	1.47	171
GSCAH035	380	1.60	151
GSCAH040	430	1.73	136
GSCAH045	480	1.85	124
GSCAH050	530	1.98	113
GSCAH055	580	2.11	104
GSCAH060	630	2.23	97
GSCAH065	680	2.36	90
GSCAH075	780	2.62	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

**SUSPENSION**

**Suspension Mounting of PVC Trays**

**1 A full range of MSB suspension brackets are available.**



**Application:**

To mount cable trays suspended from above by use of M10 threaded fixing rod.

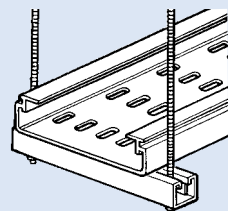
Ref.	Dimensions (mm)	Max. Load* (kg)
MSB50	77	50
MSB75	102	60
MSB100	127	62
MSB150	177	74
MSB200	227	82
MSB300	327	105
MSB400	427	115
MSB600	627	123

\* At 30 °C

N.B. This system allows for a 2m spacing between supports.

**2** Fibastrut channel can be cut into pieces which are 25mm longer on each side than the tray width itself (i.e. for a 150mm wide tray the piece of strut will be 200mm wide).

A hole will be drilled in the base of this strut at each end at approximately 15mm centres (from the end). A channel nut with the appropriate size 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.

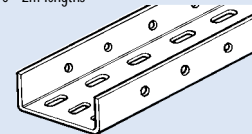


Maximum UDL per support 300 kg.  
NOTE: GSI strut is only recommended to support PVC tray.

**MOUNTING ACCESSORIES**

**Mounting Rail**

uPVC - 2m lengths

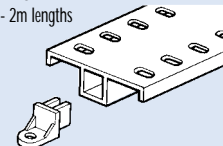


**Application:** Used in association with either Horizontal or Vertical Support Brackets.

Ref.	Width W (mm)	Height H (mm)
MR1	91	50

**Tele Rail**

uPVC - 2m lengths



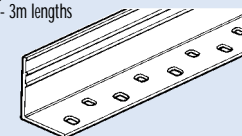
**Application:** A useful miniature channel which can be used either to support cable tray or for mounting components within a panel or box.

Ref.	Dimensions	Width W (mm)
MTR1	Tele Rail	80
MSB100	Mounting Piece	20

\* Mounting Piece only to be used when Tele Rail is not supporting cable tray. If Tele Rail is used as a support bracket then it should be directly bolted to the mounting surface.

**Tray Divider**

uPVC - 3m lengths



**Application:** Provides the opportunity for separate compartments within the tray and at the same time gives support to the central part of the tray cover.

Ref.	Height H (mm)	Length L (m)
MD60	55	3
MD100	91	3