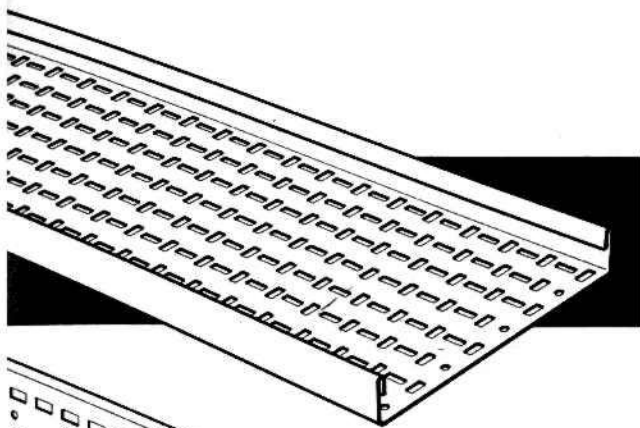


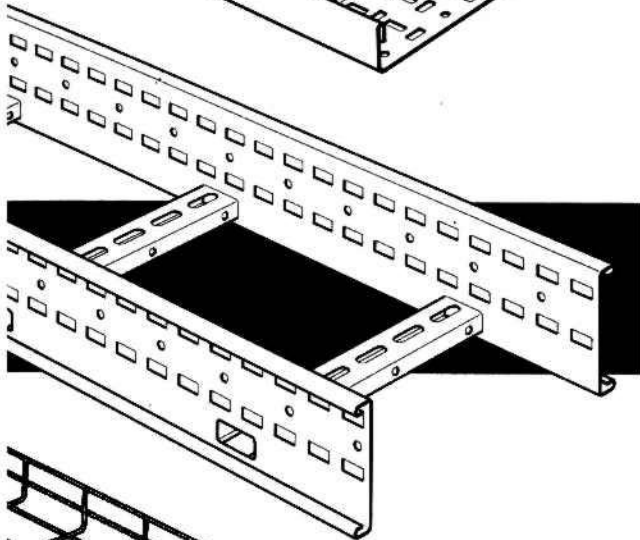
# PRODUCT GUIDE

**Cable Tray • Cable Support • Flex Tray • Support System**

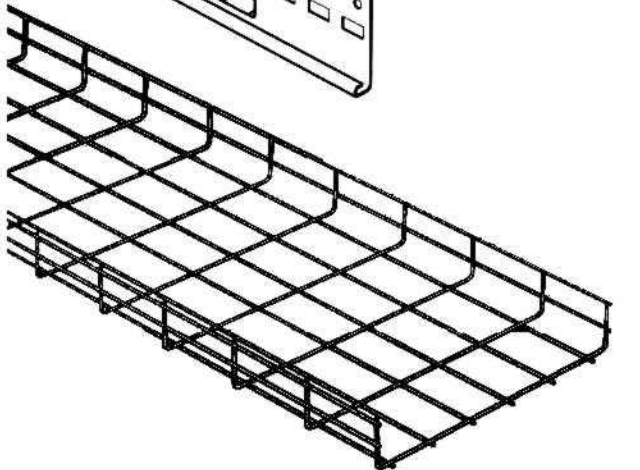




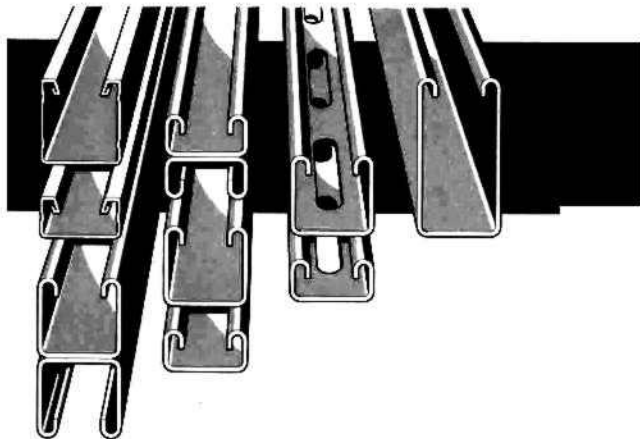
**Cable Tray Range**



**Ladder Range**



**Wire Mesh Tray**



**Support System**

### ORDERING CODES

Ordering Codes are obtained by giving the component code followed by the width(s), and angle(where needed) and the finish.

#### EXAMPLE :

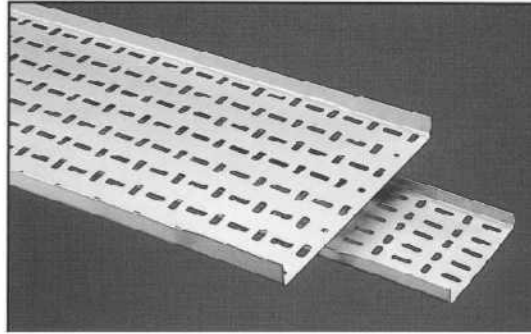
For a hot dip galvanized heavy duty ST-MRFB 90° bend, 300 mm wide : ST-MRFB/300/90/G

### FINISHES

Finishes are given on the first page of each tray range and for each accessory and support.

- /G Hot Dip Galvanized after manufacture to BS729
- /PG Pre-galvanized Steel to BS2989 (BS EE 10142)
- /DG Deep Galvanized Corten A Steel
- /SS 316S31 Marine Grade Stainless Steel
- /E Plastic coated (to customer's specification)
- /AL Marine Grade Aluminum
- /F Fiberglass

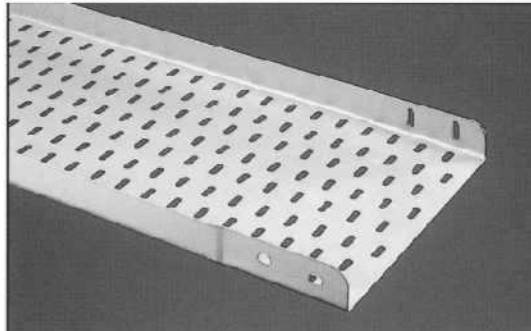
## ST-S



The Steelite Standard range is a classic light duty tray system designed for quick and easy installation of small volumes of cables.

Overall heights: 12 and 18mm

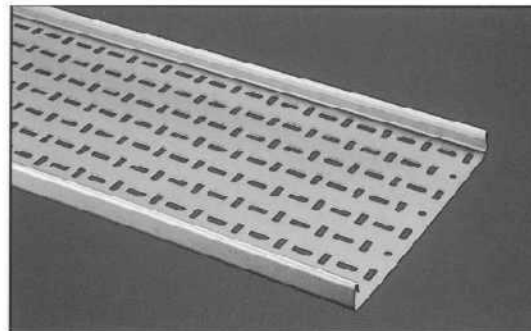
## ST-H



The Steelite Heavy Duty tray system with deep single flanges for strength with maximum accessibility.

Overall height: 35mm

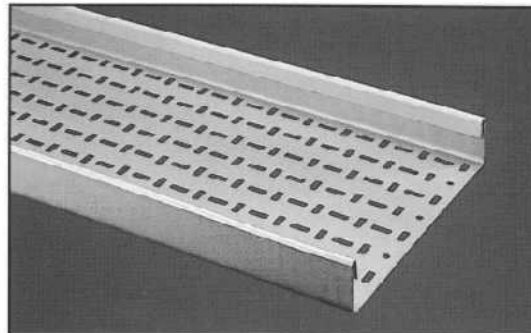
## ST-MRF



Medium duty return flange Cable Tray System designed for quick assembly using the Steelite system.

Overall height: 25mm

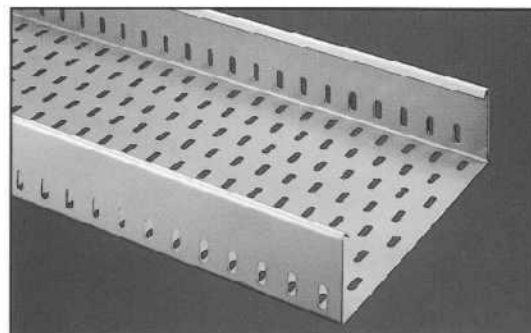
## ST-HRF



Heavy duty return flange Cable Tray System designed for quick assembly using the Steelite system.

Overall height: 50mm

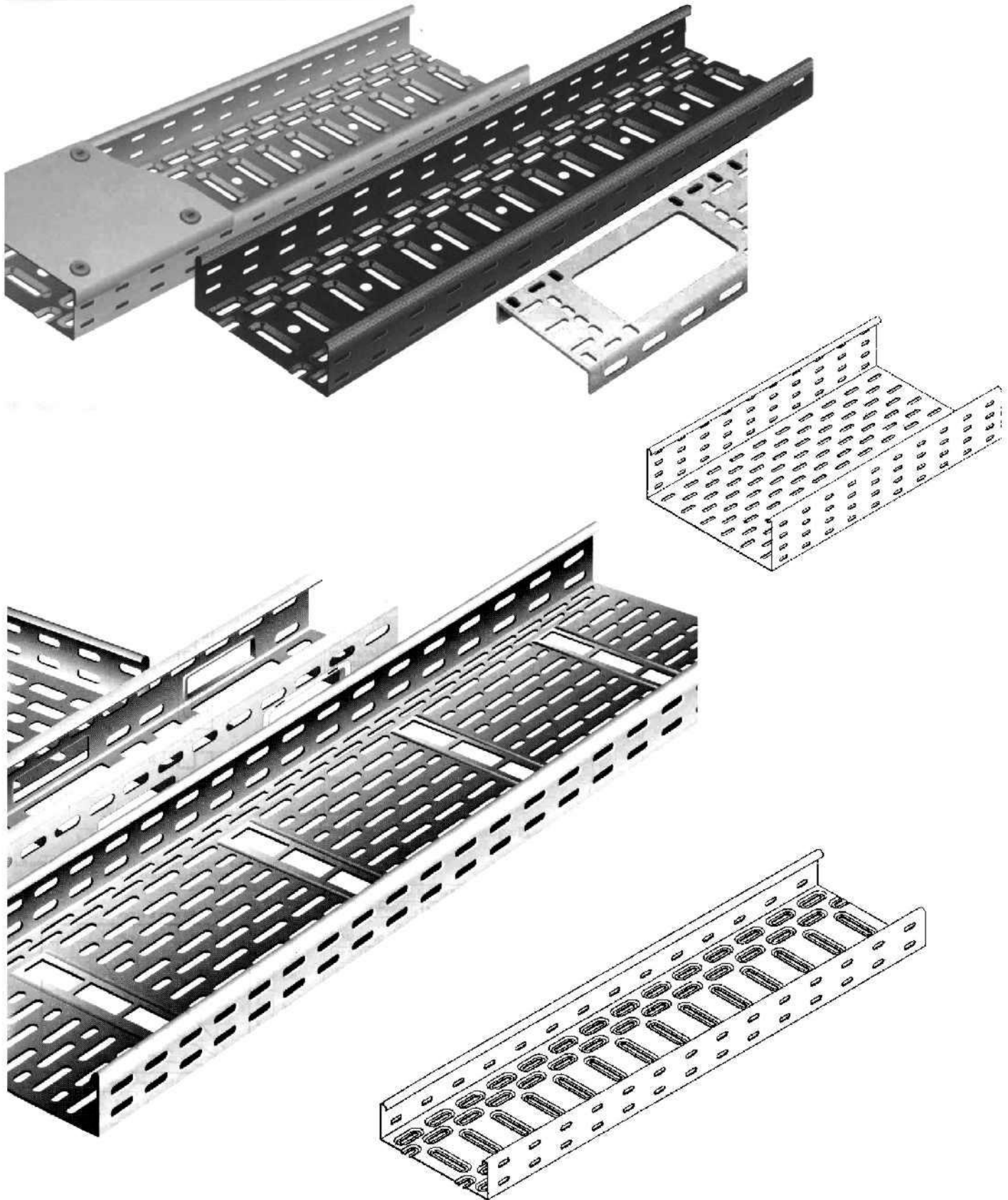
## ST-XHRF



An extra heavy, extra deep return flange tray system for use where robustness and strength are priorities. Accessories are all welded assemblies with ample gussets for large cables.

Overall height: 80mm

## Tray Range



# Light Duty Cable Tray System



The Steelite Standard Range is a classic light duty tray system designed for quick and easy installation of small volumes of cable.

Featuring integral couplings on both straight lengths and accessories this cable tray is a natural choice for lightweight point-to-point cabling runs being planned on-site.

## STRAIGHT LENGTHS

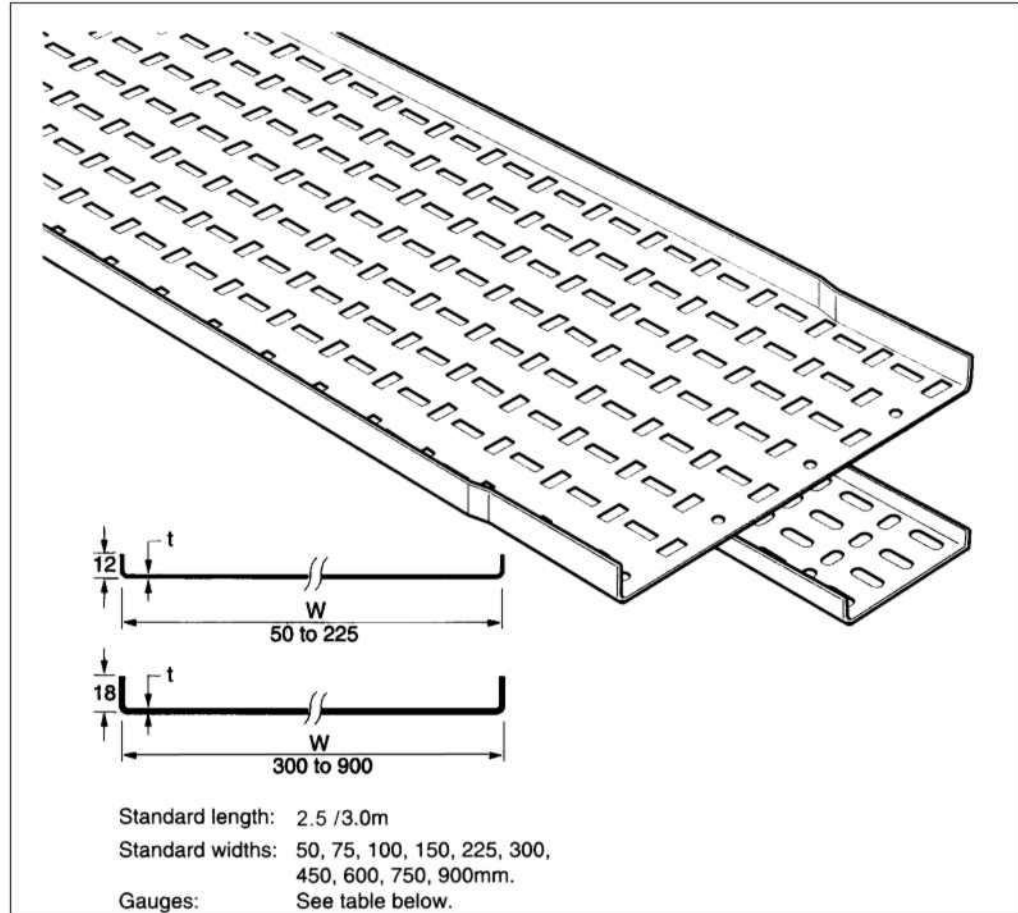
### Ordering Code

Light Gauge : **ST-S/** WIDTH / L / FINISH

Heavy Gauge : **ST-S/** WIDTH / H / FINISH

### Finishes

/ G / PG, / DG, / SS, / E, / AL / F



Most widths of Steelite Standard tray are available in either light or heavy gauge variants.

Tray Width W, mm	Ordering Codes	t mm
50	ST-S/50/L/-	1.0
50	ST-S/50/H/-	1.5
75	ST-S/75/L/-	1.0
75	ST-S/75/H/-	1.5
100	ST-S/100/L/-	1.0
100	ST-S/100/H/-	1.5
150	ST-S/150/L/-	1.0
150	ST-S/150/H/-	1.5
225	ST-S/225/L/-	1.0
225	ST-S/225/H/-	1.5
300	ST-S/300/H/-	1.5
450	ST-S/450/L/-	1.5
450	ST-S/450/H/-	2.0
600	ST-S/600/H/-	2.0
750	ST-S/750/H/-	2.0
900	ST-S/900/H/-	2.0

# Heavy Duty Cable Tray System



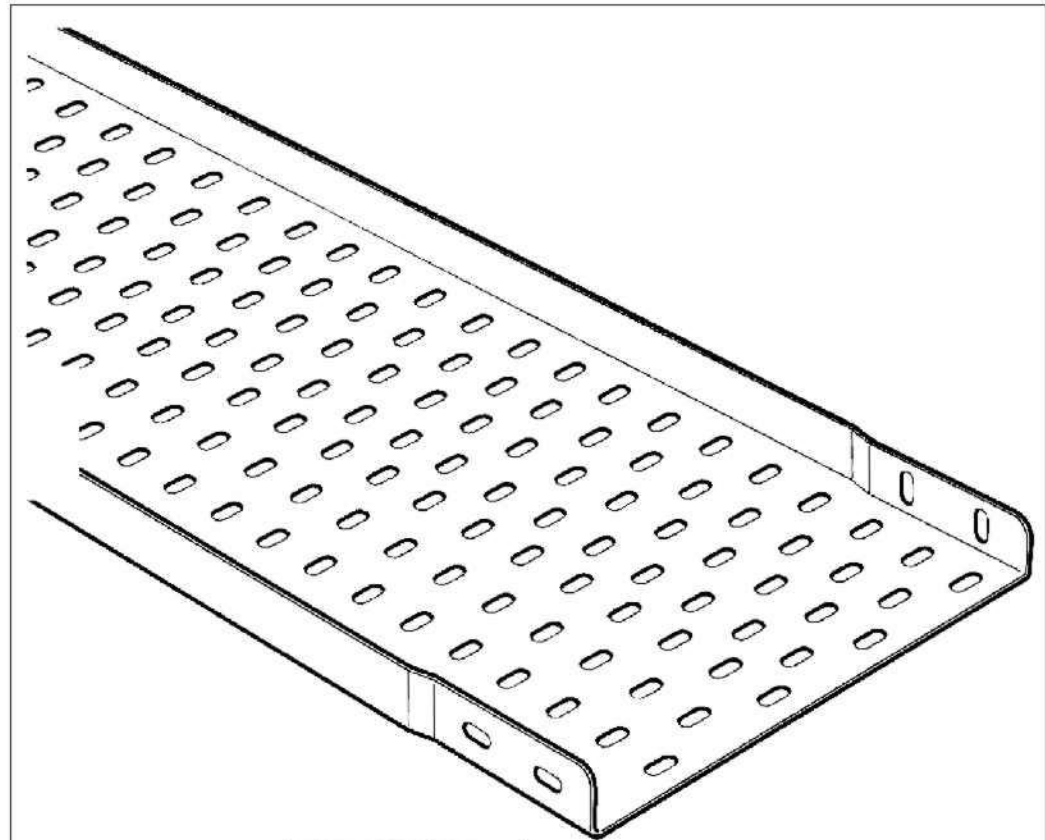
The Steelite Heavy Duty range of cable tray incorporates integral couplings on both straight lengths and accessories.

The deep, single flange provides strength with maximum accessibility.

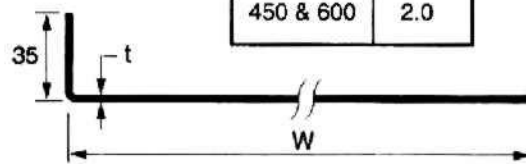
## STRAIGHT LENGTHS

Ordering Code  
ST-H/ WIDTH / FINISH

Finishes  
/ G, / DG, / SS, / E, / AL, / F

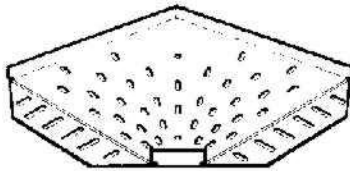


W, mm	t, mm
100 to 300	1.5
450 & 600	2.0



Standard length: 2.5m / 3.0m

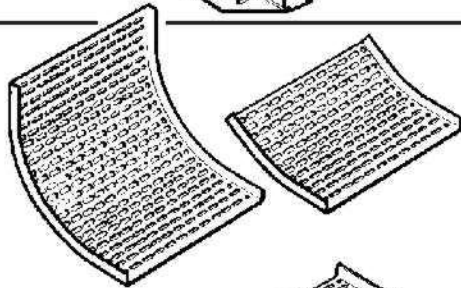
Standard widths: 100, 150, 225, 300, 450, 600mm.



## FLAT BENDS 90°, 60°, 45° and 30°

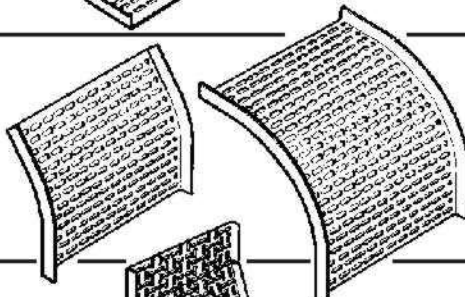
Ordering Code  
ST-SFB / WIDTH / ANGLE / FINISH

ST-HFB / WIDTH / ANGLE / FINISH



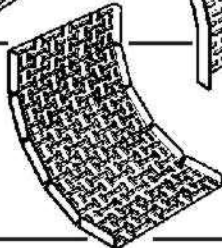
## INSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-SIB / WIDTH / ANGLE / FINISH  
ST-HIB / WIDTH / ANGLE / FINISH



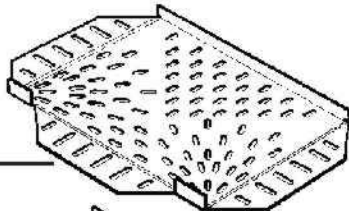
## OUTSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-SOB / WIDTH / ANGLE / FINISH  
ST-HOB / WIDTH / ANGLE / FINISH



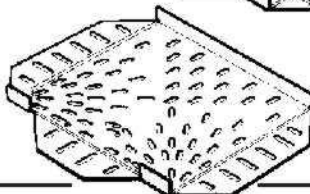
## ADJUSTABLE RISERS

Ordering Code  
ST-SAR / WIDTH / FINISH  
ST-HAR / WIDTH / FINISH



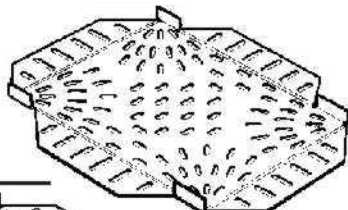
## EQUAL TEES

Ordering Code  
ST-SET / WIDTH / FINISH  
ST-HET / WIDTH / FINISH



## UNEQUAL TEES

Ordering Code  
ST-SUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-HUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



## 4-WAY CROSSPIECES

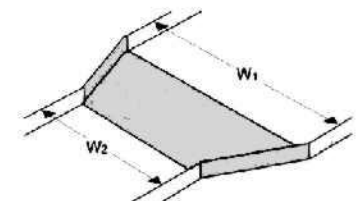
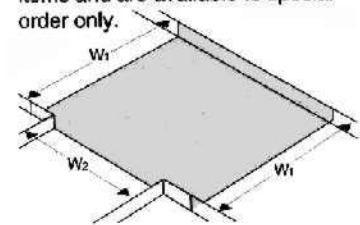
Ordering Code  
ST-SX / WIDTH / FINISH  
ST-HX / WIDTH / FINISH



## REDUCERS

Ordering Code  
ST-SR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-HR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

Unequal Tees are non-stocked items and are available to special order only.





# Medium Duty Return Flange Cable Tray System



The ST-MRF range is designed for quick assembly using the Steelite clip system.

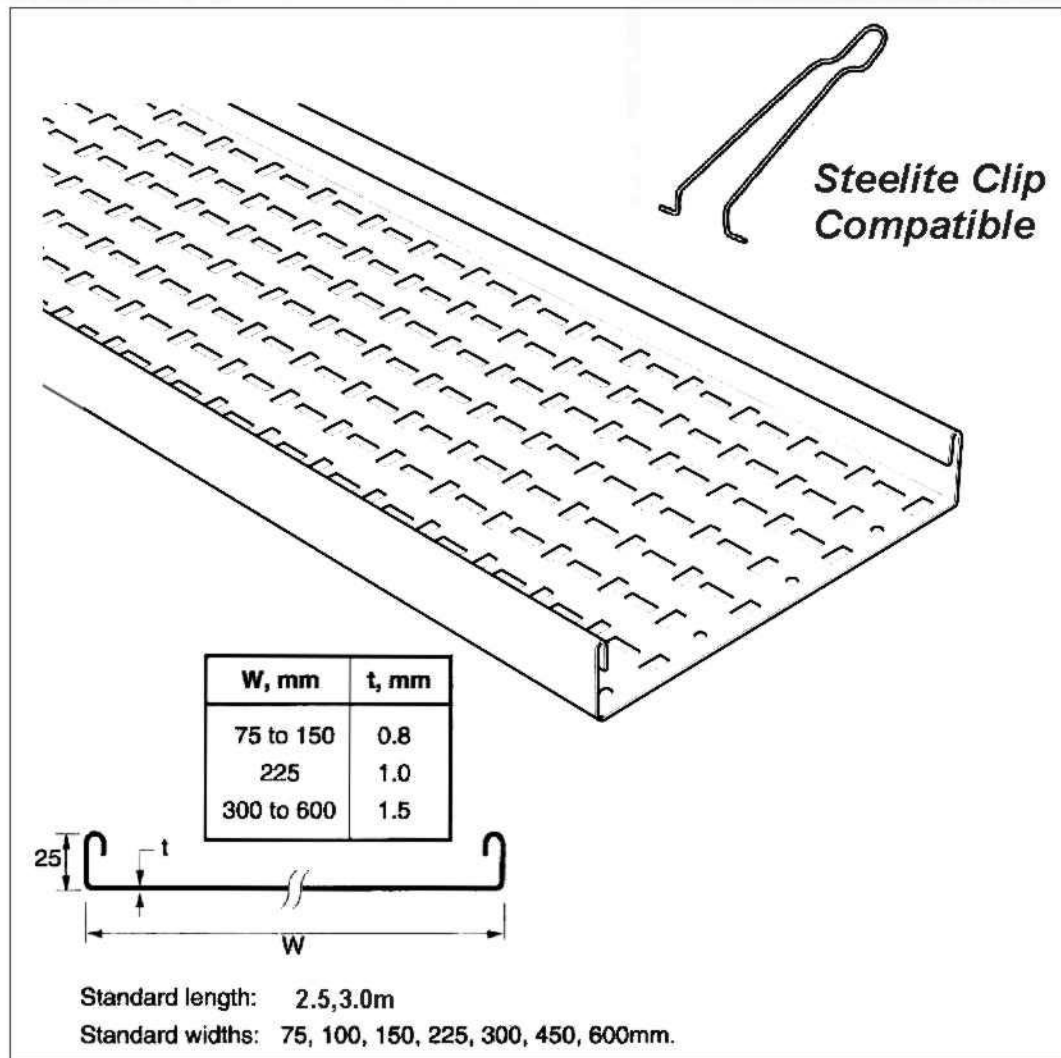
Straight trays are joined together using simple couplers which fit over the outside of the flanges. All accessories have integral couplings which are designed to fit into straight tray wherever it has been cut to length, without the need for further drilling.

## STRAIGHT LENGTHS

Ordering Code  
ST-MRF/ WIDTH / FINISH

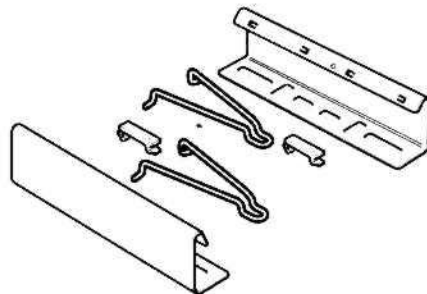
### Finishes

/G/PG,/DG,/SS,/E,/Al,/F



## COUPLING SET

Ordering Code  
ST-MRFC/ FINISH



Coupling Sets are only required for joining straight lengths and are supplied complete with Steelite Clips.

A ST-MRF accessories have integral couplings and are also supplied complete with Steelite Clips, so no additional coupling sets are required.

# Heavy Duty Return Flange Cable Tray System



The ST-HRF range is designed for quick assembly using the Steelite clip system.

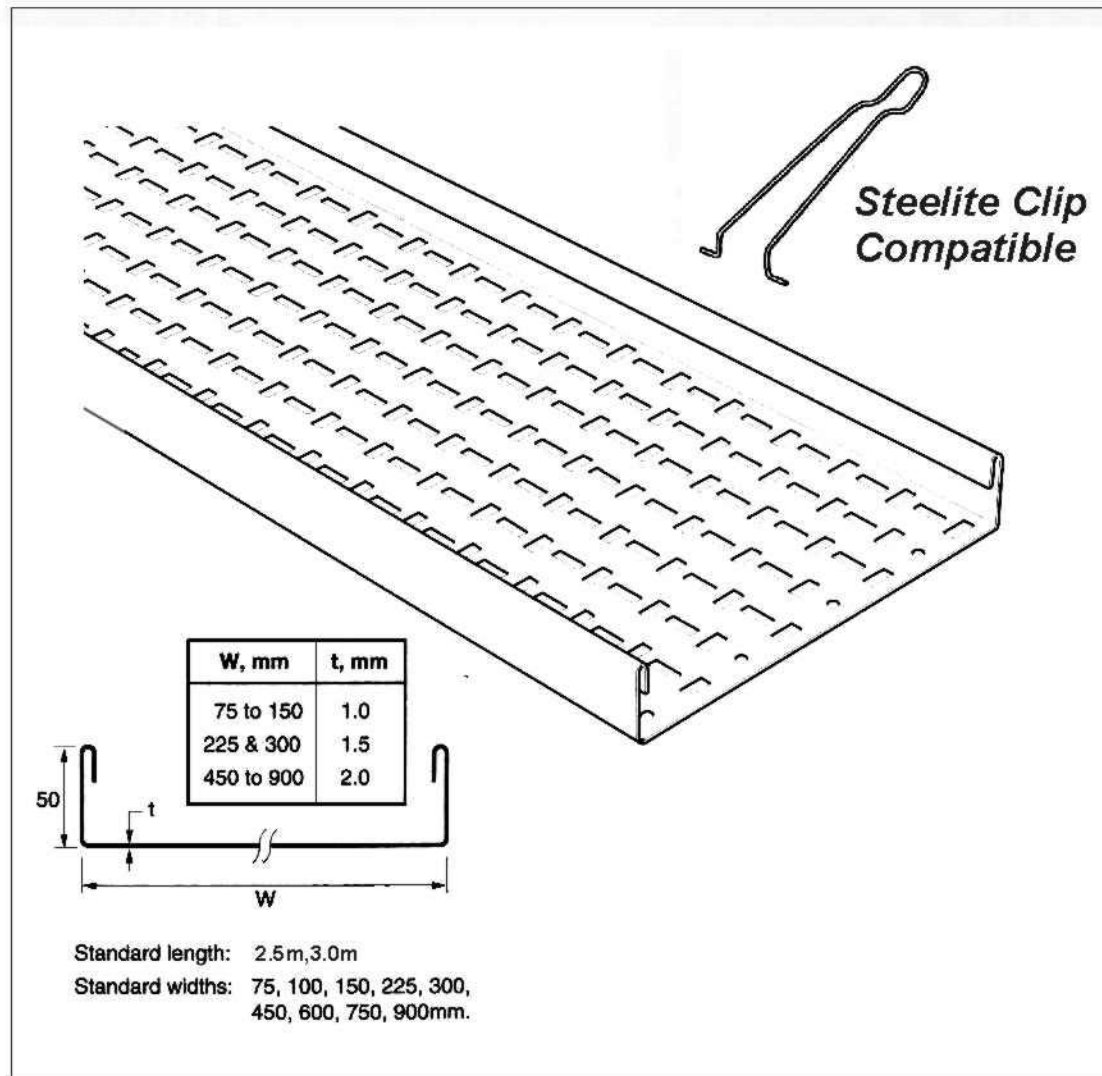
Straight trays are joined together using simple couplers which fit over the outside of the flanges. All accessories have integral couplings which are designed to fit into straight tray wherever it has been cut to length, without the need for further drilling.

## STRAIGHT LENGTHS

Ordering Code  
ST-HRF/ WIDTH / FINISH

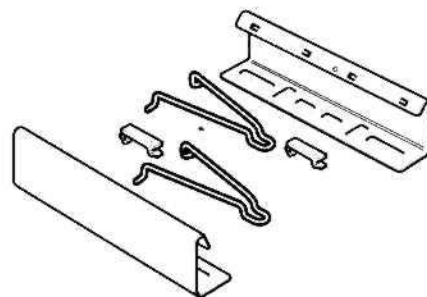
### Finishes

/G/PG,/DG,/SS,/E,/AL/F



## COUPLING SET

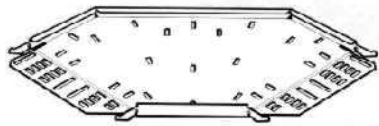
Ordering Code  
ST-HRFC/ FINISH



Coupling Sets are only required for joining straight lengths and are supplied complete with Steelite Clips.

A ST-HRF accessories have integral couplings and are also supplied complete with Steelite Clips, so no additional coupling sets are required.

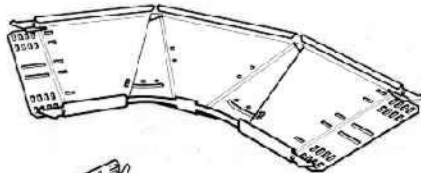
# Medium Duty & Heavy Duty Return Flange Cable Tray System



## 90° FLAT BENDS

Ordering Code  
ST-MRFB / WIDTH / FINISH  
ST-HRFB / WIDTH / FINISH

Consider also Adjustable Bends (below) which will close up to 90° and can be used for other angles too. Adjustable Bends are the same price as 90° Bends.

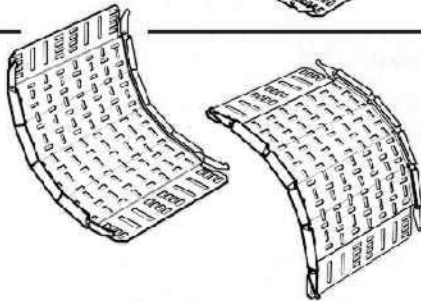


## ADJUSTABLE BENDS

Ordering Code  
ST-MRFAB / WIDTH / FINISH  
ST-HRFAB / WIDTH / FINISH

For all angles from 30° up to and including 90°. Same price as fixed 90° Bends and far more versatile.

Available in widths up to 300mm. For 450 and 600mm widths use fixed item e.g. ST-MRFAB/450/30/G/ ST-HRFAB/450/30/G/



## 90° INSIDE RISERS

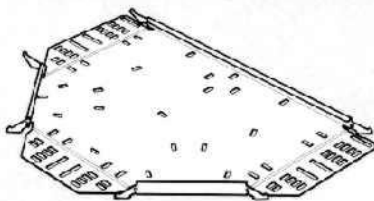
Ordering Code  
ST-MRFIB / WIDTH / FINISH  
ST-HRFIB / WIDTH / FINISH



## ADJUSTABLE RISERS

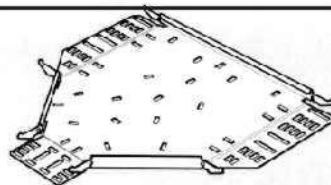
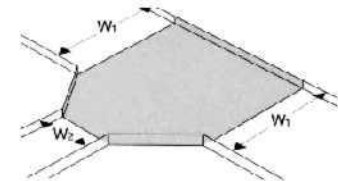
Ordering Code  
ST-MRFAR / WIDTH / FINISH  
ST-HRFAR / WIDTH / FINISH

Minimum radius = 200mm.  
Overall length when flat = 554mm.



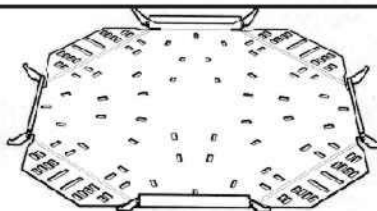
## EQUAL TEES

Ordering Code  
ST-MRFET / WIDTH / FINISH  
ST-HRFET / WIDTH / FINISH



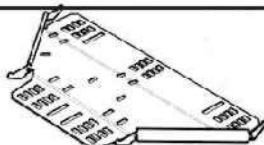
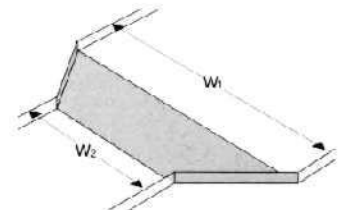
## UNEQUAL TEES

Ordering Code  
ST-MRFUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-HRFUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



## 4-WAY CROSSPIECES

Ordering Code  
ST-MRFX / WIDTH / FINISH  
ST-HRFX / WIDTH / FINISH



## REDUCERS

Ordering Code  
ST-MRFR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-HRFR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

# Extra Heavy Duty Return Flange Cable Tray System



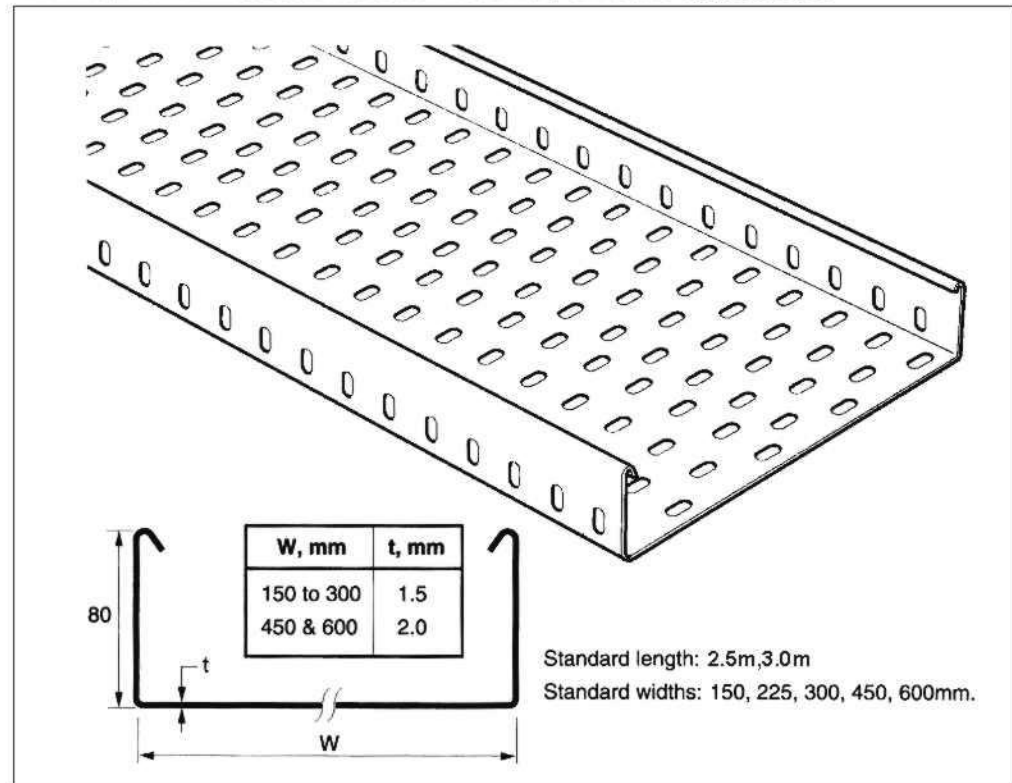
The ST-XHRFrange is an extra heavy, extra deep return flange cable tray for use where robustness and strength are priorities.

Featuring a full range of fabricated accessories this cable tray is offered in hot dip galvanized after manufacture finish to cope admirably in industrial environments and Marine grade stainless steel for offshore or very corrosive applications.

## STRAIGHT LENGTHS

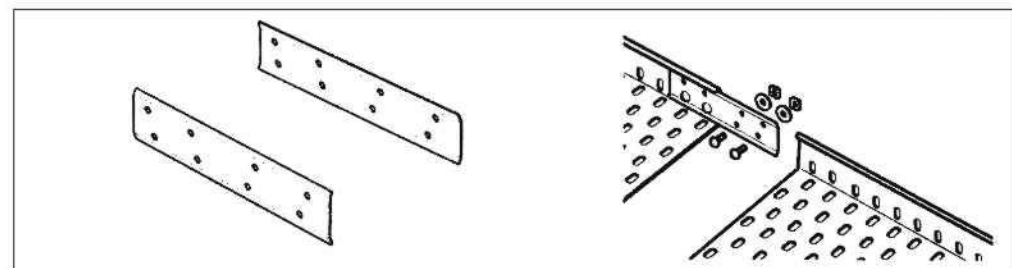
Ordering Code  
ST-XHRF/ WIDTH / FINISH

Finishes  
/ G / SS / AL / F



## COUPLING SET

Ordering Code  
ST-XHRFC/ FINISH

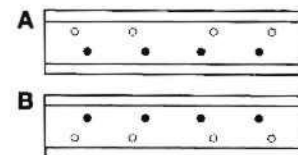


Coupling of ST-XHRF tray is achieved using four bolts, nuts and washers at each flange, eight per joint. These should be either M6 x 16mm galvanized or zinc plated roofing bolts or similar pan head or hexagon head bolts in stainless steel.

For coupling together straight tray lengths the couplers should be installed with the line of the four closest holes at the bottom of the flange (see illustration above and diagram A), and the bolts inserted from the inside of the

tray, through the coupler and then through the tray flange.

For coupling a straight tray length to an accessory the coupler should be inverted so that the line of four closest holes is positioned at the top of the flange (see diagram B).

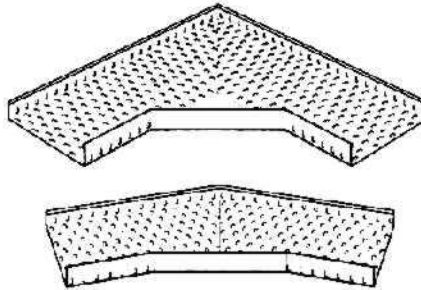


# Extra Heavy Duty Return Flange Cable Tray System



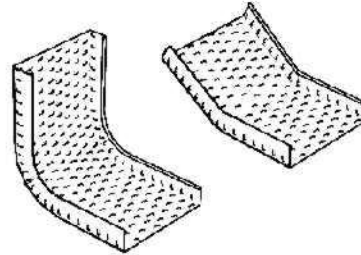
## FLAT BENDS 90°, 60°, 45° and 30°

Ordering Code  
ST-XHRFB / WIDTH / ANGLE / FINISH



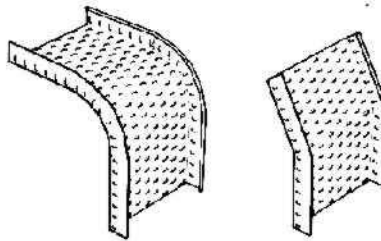
## INSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-XHRFIB / WIDTH / ANGLE / FINISH



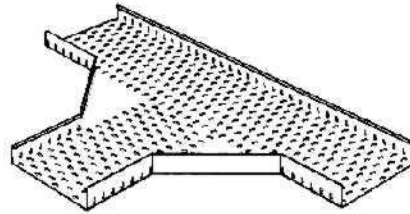
## OUTSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-XHRFOB / WIDTH / ANGLE / FINISH



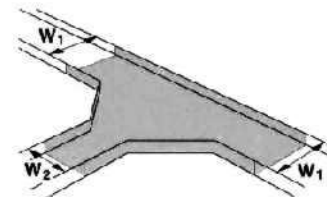
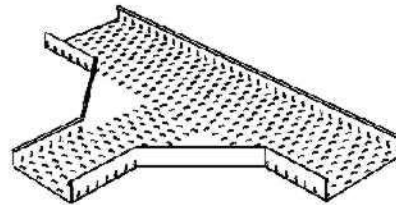
## EQUAL TEES

Ordering Code  
ST-XHRFET / WIDTH / FINISH



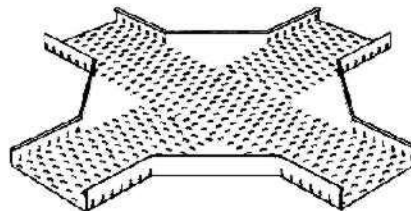
## UNEQUAL TEES

Ordering Code  
ST-XHRFUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



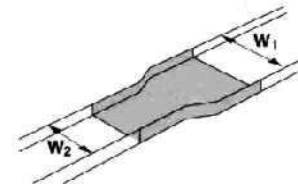
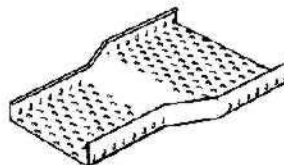
## 4-WAY CROSSPIECES

Ordering Code  
ST-XHRFX / WIDTH / FINISH



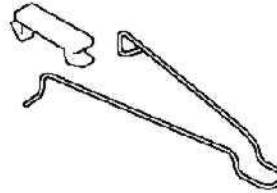
## REDUCERS

Ordering Code  
ST-XHRFR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



## SPARE CLIPS

Pack Reference  
CSW



For ST-MRF and ST-HRF only

Standard length :  
ST-MRF, ST-HRF, S-2.5/3.0m

## STRAIGHT CLOSED COVERS

Ordering Code

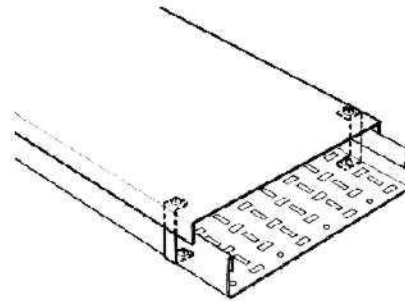
ST-MRFCC/ WIDTH / FINISH

ST-HRFCC/ WIDTH / FINISH

ST-SCC/ WIDTH / FINISH

ST-HCC/ WIDTH / FINISH

ST-XHRFCC/ WIDTH / FINISH



Covers 600mm and above are overlap jointed and dimpled for rigidity.

## STRAIGHT CLOSED COVERS

Ordering Code

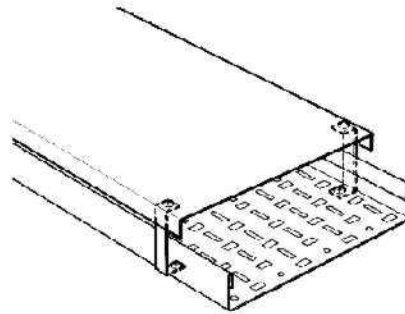
ST-MRFCV/ WIDTH / FINISH

ST-HRFCV/ WIDTH / FINISH

ST-SCV/ WIDTH / FINISH

ST-HCV/ WIDTH / FINISH

ST-XHRFCV/ WIDTH / FINISH



Standard length :  
ST-MRF, ST-HRF, S-2.5/3.0m

Covers 600mm and above are overlap jointed and dimpled for rigidity.

### Finishes

/ G / PG, / DG, / SS, / E, / AL, / F

## ACCESSORY CLOSED COVERS

Ordering Code

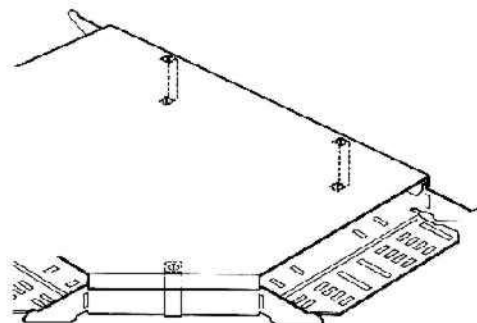
ST-MRF(Acc)CC/ WIDTH(s) / FINISH

ST-HRF(Acc)CC/ WIDTH(s) / FINISH

ST-S(Acc)CC/ WIDTH(s) / FINISH

ST-H(Acc)CC/ WIDTH(s) / FINISH

ST-XHRF(Acc)CC/ WIDTH(s) / FINISH



The ordering code should be completed with the inclusion of the accessory reference where indicated.

**Example:**

A Closed Cover for an ST-HRF Unequal Tee, ST-HRFUTCC/ WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

## ACCESSORY VENTILATED COVERS

Ordering Code

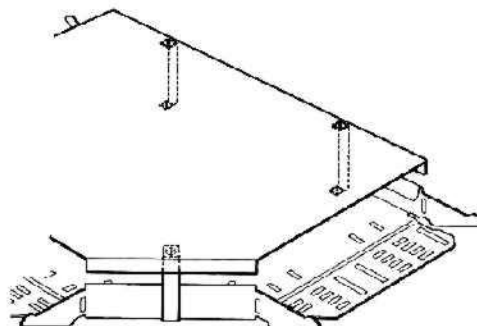
ST-MRF(Acc)CV/ WIDTH(s) / FINISH

ST-HRF(Acc)CV/ WIDTH(s) / FINISH

ST-S(Acc)CV/ WIDTH(s) / FINISH

ST-H(Acc)CV/ WIDTH(s) / FINISH

ST-XHRF(Acc)CV/ WIDTH / FINISH



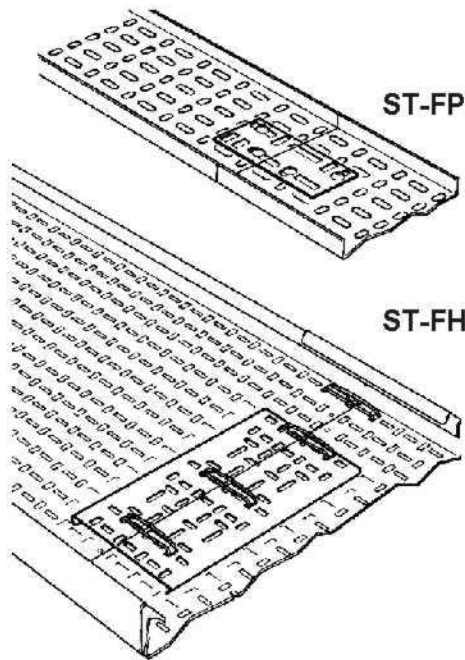
The ordering code should be completed with the inclusion of the accessory reference where indicated.

**Example:**

A Ventilated Cover for an ST-HRF Unequal Tee, ST-HRFUTCC/ WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

### Finishes

/ G / PG, / DG, / SS, / E, / AL, / F



ST-FP

ST-FH

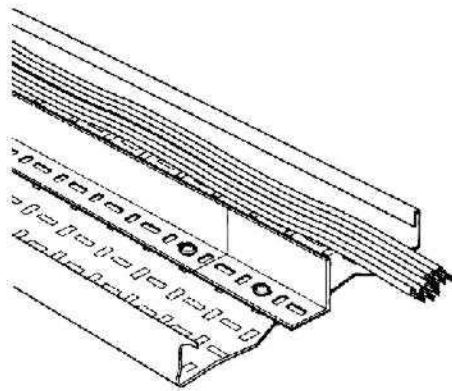
## FISHPLATES

Ordering Code  
**ST-FP/**FINISH  
**ST-FH/**FINISH

Finishes  
 /G, /PG, /DG, /SS, /E, /AL, /F

ST-FP fishplates are designed for use where tray has been cut to length thus removing the joggled coupling.

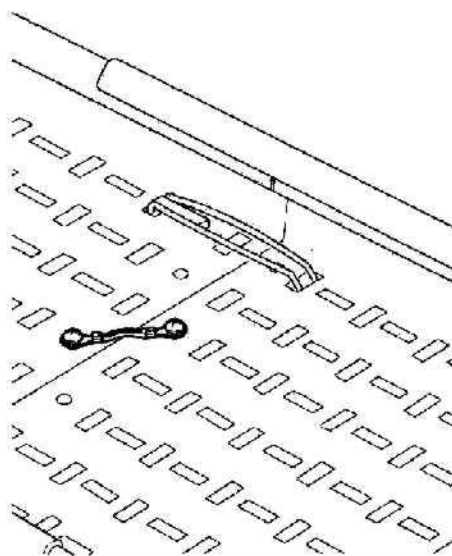
**ST-FH fishplates** are designed to fit across the underside of straight tray joints. Provides added strength, increases the safe working load and prevents unevenness in the bed between adjacent trays.



## STRAIGHT DIVIDER

Ordering Codes  
**ST-MRFDV/** FINISH  
**ST-HRFDV/** FINISH  
**ST-SDV/** FINISH  
**ST-HDV/** FINISH  
**ST-XHRFDV/** FINISH

Finishes  
 /G, /PG, /DG, /SS, /E, /AL, /F



## EARTH CONTINUITY CONNECTOR

Ordering Code  
**ST-PTFEB**

Copper braid and copper lugs, both in electroplated finish.

Length between centres: 55mm.

Conductor area: 4mm<sup>2</sup>.

Fastenings: Use M6 x 12mm roofing nuts and bolts.

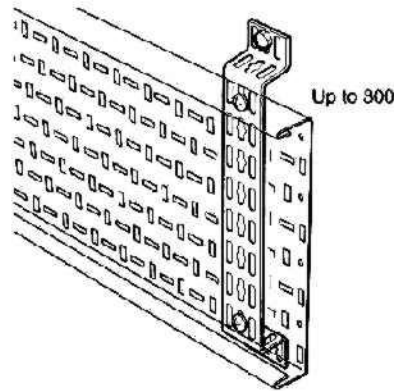
Each **ST-RF** tray is provided with special round holes at both ends; these should be used in preference to slots for earth bonding.

## STAND-OFF BRACKET

Ordering Code  
ST-STB/ WIDTH / FINISH

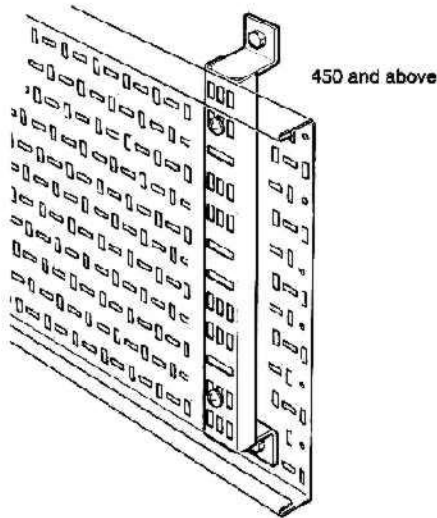
### Finishes

/G/ DG, /SS, /E, /AL, /F



Up to 300

Designed for fixing to either flat surfaces or to TRUSTRUT  
Suitable for all tray widths.



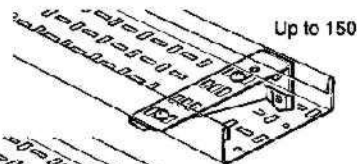
450 and above

## LIGHT DUTY CANTILEVER ARMS

Ordering Code  
ST-LCA/ WIDTH / FINISH

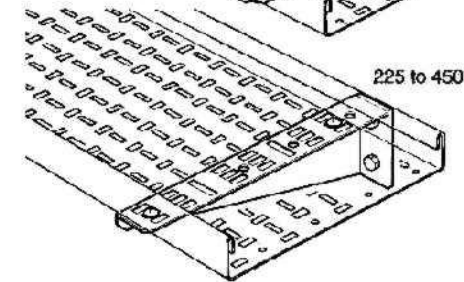
### Finishes

/G/ DG, /SS, /E, /AL, /F

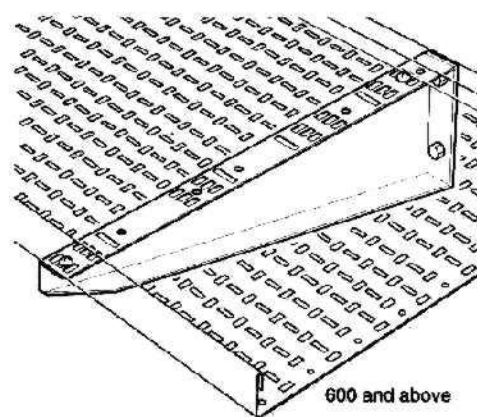


Up to 150

Designed for fixing to either flat surfaces or to TRUSTRUT  
Suitable for all tray widths.



225 to 450



600 and above

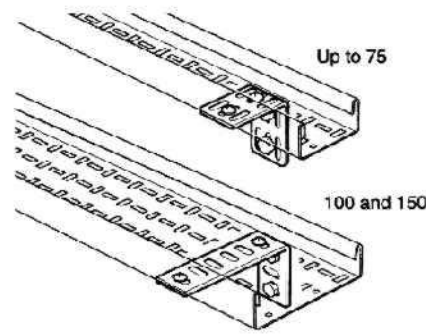


**LIGHT DUTY CANTILEVER BRACKETS**

Ordering Code  
ST-LCB / WIDTH / FINISH

**Finishes**

/ G / DG, / SS, / E, / AL / F



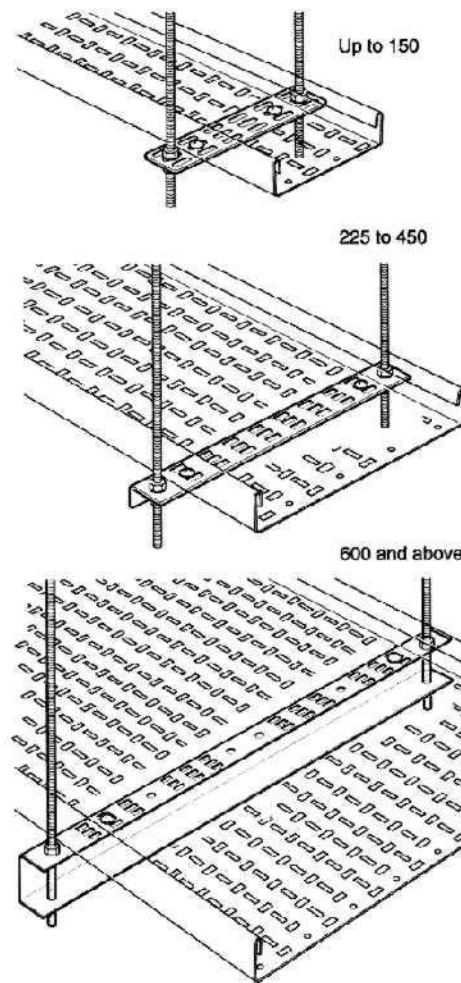
Designed for fixing to either flat surfaces or to TRUSTRUT Suitable for lightly loaded trays

**LIGHT DUTY TRAPEZE HANGERS**

Ordering Code  
ST-LTH / WIDTH / FINISH

**Finishes**

/ G / PG, / DG, / SS, / E, / AL / F



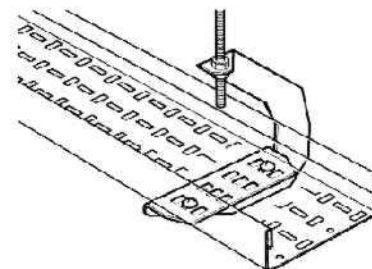
Up to 450mm widths use M10 threaded rods. For 600mm widths and above use M12 threaded rods.

**OVERHEAD HANGERS**

Ordering Code  
ST-OH / WIDTH / FINISH

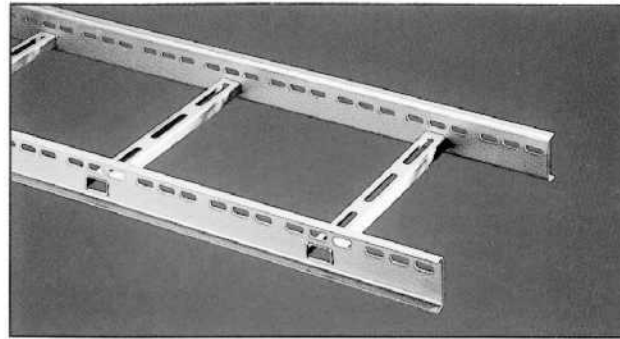
**Finishes**

/ G / DG, / SS, / E / AL / F



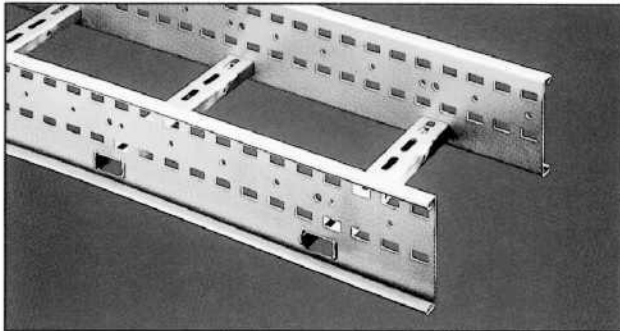
Suitable for tray widths up to 150mm. Use M10 threaded rod. Fasteners not included.

**ST-LL**



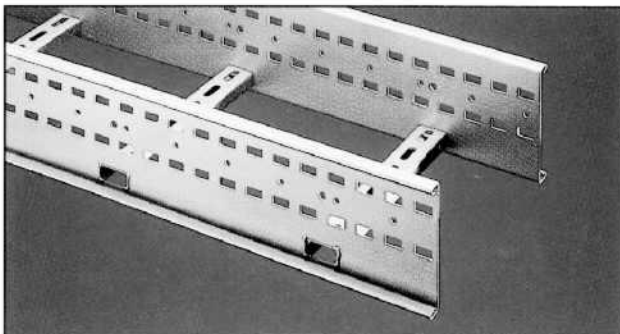
Light Duty Cable Ladder System.  
Overall height: 55mm  
Cable laying depth: 30mm

**ST-HL**



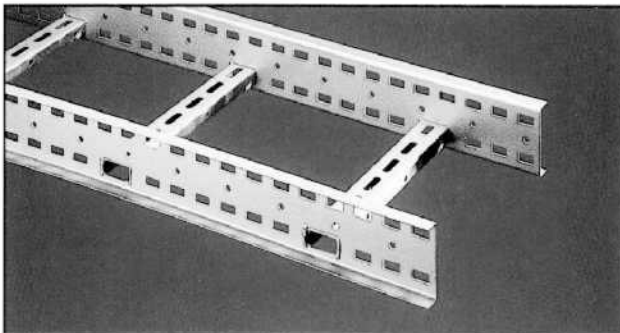
Heavy Duty Cable Ladder System.  
Siderail and rungs with Safety Edges.  
Overall height: 125mm / 100mm  
Cable laying depth: 95mm / 70mm

**ST-XHL**



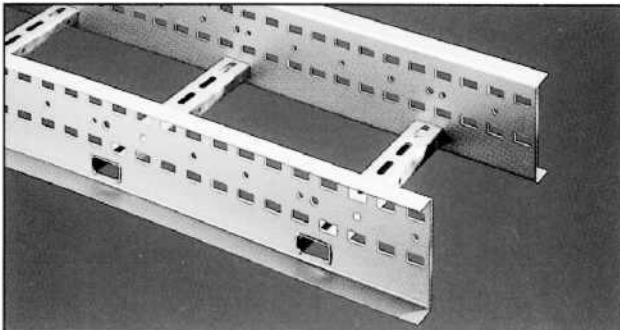
Extra Heavy Duty Cable Ladder System.  
Siderail and rungs with Safety Edges.  
Overall height: 150mm  
Cable laying depth: 120mm

**ST-HLL**



Heavy Duty Cable Ladder System.  
Overall height: 90mm  
Cable laying depth: 60mm  
  
Also with Slotted Side Rails.

**ST-XHLL**



Extra Heavy Duty Cable Ladder System.  
Overall height: 127mm  
Cable laying depth: 97mm  
  
Also with Slotted Side Rails.

\* Also available as per NEMA standard VE-1-6063-T6

# Light Duty Cable Ladder System



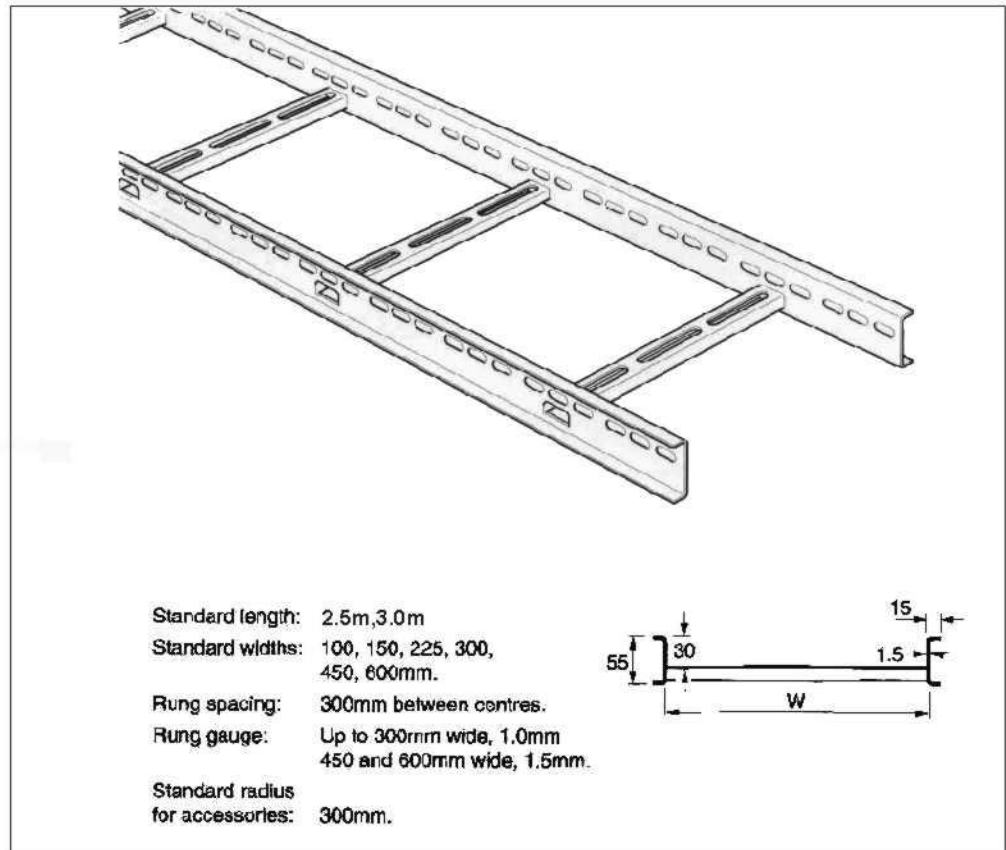
- **Compact and economical ladder system.**
- **All components welded for rigidity and strength.**
- **Slotted side rails give 'no drilling' installation.**
- **High strength coupler system.**
- **Full range of integrated ancillaries and supports.**
- **Light weight for easy, fast installation.**

## STRAIGHT LENGTHS

Ordering Code  
ST-LL/ WIDTH / FINISH

### Finishes

/G/ DG/ SS/ E / AL/ F



Standard length: 2.5m, 3.0m  
Standard widths: 100, 150, 225, 300, 450, 600mm.  
Rung spacing: 300mm between centres.  
Rung gauge: Up to 300mm wide, 1.0mm  
450 and 600mm wide, 1.5mm.  
Standard radius for accessories: 300mm.

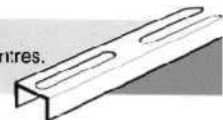
### RUNG OPTIONS

cable ladders can be supplied with two types of rung. Select a specific rung throughout or a combination as required.

Type 1 rung will be supplied as standard unless otherwise specified.

#### Standard

**TYPE 1** 75mm x 11mm slots at 100mm centres.



#### Special Order

**TYPE 2** 15mm x 7mm slots at 25mm centres.

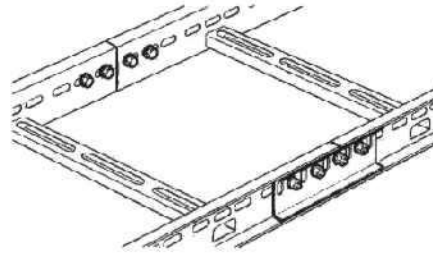


# Light Duty Cable Ladder System



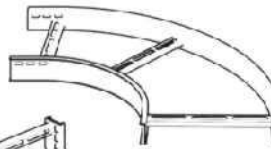
## STRAIGHT COUPLERS

Ordering Code  
ST-LLC / FINISH



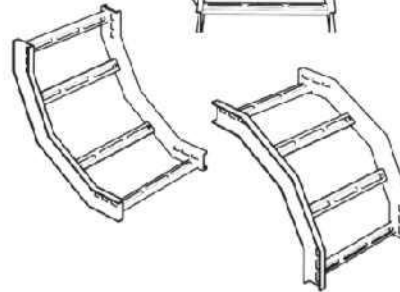
## FLAT BENDS 90°, 60°, 45° and 30°

Ordering Code  
ST-LLFB / WIDTH / ANGLE / FINISH



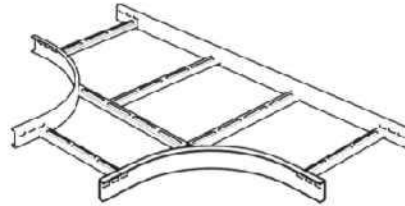
## INSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-LLIB / WIDTH / ANGLE / FINISH



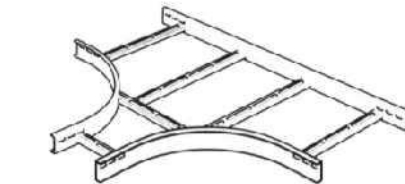
## OUTSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-LLOR / WIDTH / ANGLE / FINISH



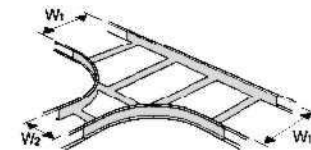
## EQUAL TEES

Ordering Code  
ST-LLET / WIDTH / FINISH



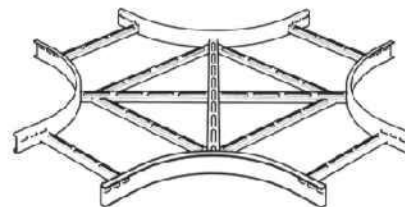
## UNEQUAL TEES

Ordering Code  
ST-LLUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



## 4-WAY CROSSPIECES

Ordering Code  
ST-LLX / WIDTH / FINISH



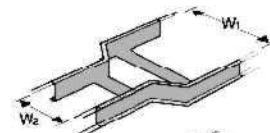
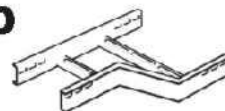
## STRAIGHT REDUCERS

Ordering Code  
ST-LLSR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



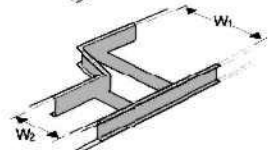
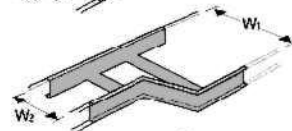
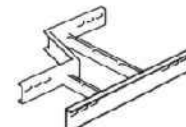
## OFFSET REDUCERS LEFT HAND

Ordering Code  
ST-LLLR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



## OFFSET REDUCERS RIGHT HAND

Ordering Code  
ST-LLRR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH



# Heavy Duty Cable Ladder System with Safety Edges



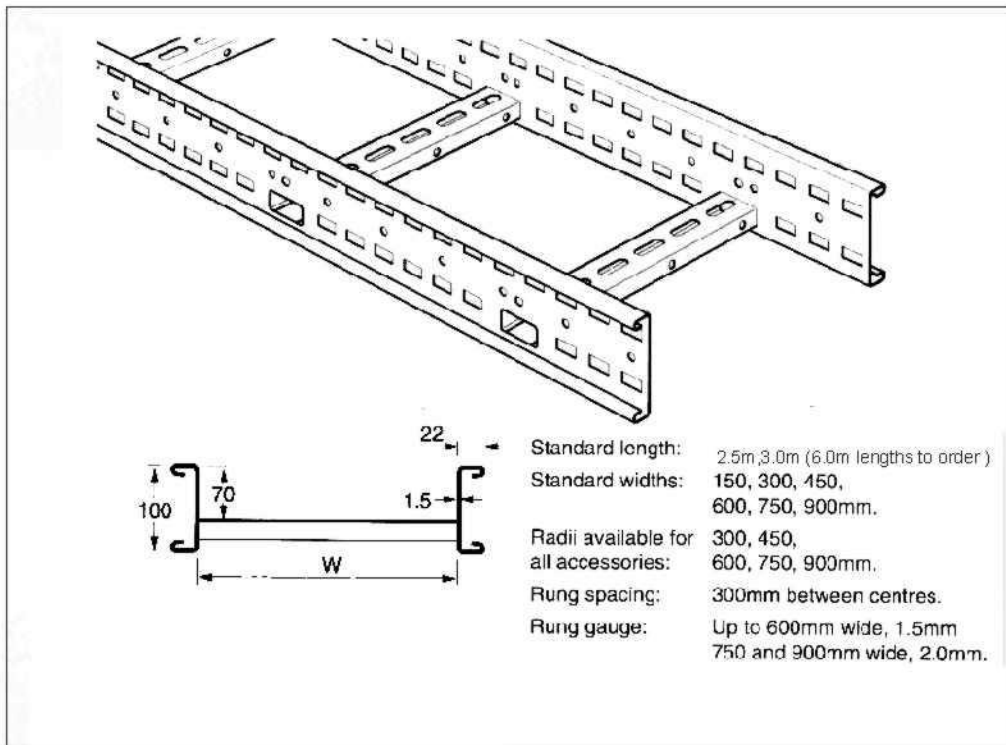
- Suitable for longer spans.
- Slotted side rails for 'no drilling' installation.
- Dome-headed bolts eliminate cable damage.
- Safety edges on side rails and rungs.
- Pre-punched earth connector holes along each side rail.
- Accessories available in a range of radii to suit all cable sizes.
- Available in 2.5, 3m and 6m lengths.

## STRAIGHT LENGTHS

Ordering Code  
ST-HL/ WIDTH / FINISH

### Finishes

/G/ DG, /SS, /E, /AL, /F



### RUNG OPTIONS

Steelitecable ladders can be supplied with rungs in a range of slot patterns and sections. In addition, all rungs can be inverted to special order.

Select a specific rung throughout or any combination of types 3 and 4 as required.

Type 3 will be supplied throughout unless otherwise specified.

#### Standard

**TYPE 3** 35mm x 11mm slots at 50mm centres.



**TYPE 4** 20mm x 7mm slots at 25mm centres.



**TYPE 5** 40mm x 13mm slots at 60mm centres.



Accepts channel nuts.

# Extra Heavy Duty Cable Ladder System with Safety Edges



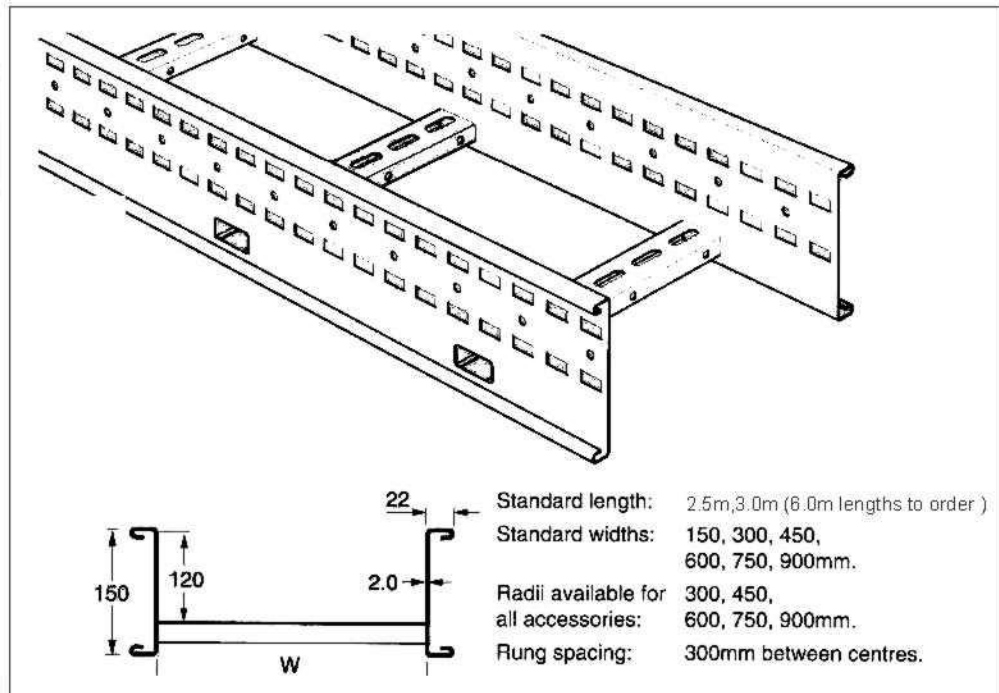
- **Slotted side rails for 'no drilling' installation.**
- **Dome-headed bolts eliminate cable damage.**
- **Safety edges on side rails and rungs.**
- **Heavy duty deep cable depth ladder.**
- **Pre-punched earth connector holes along each side rail.**
- **Accessories available in a range of radii to suit all cable sizes**
- **Available in 2.5m, 3m and 6m lengths.**

## STRAIGHT LENGTHS

Ordering Code  
ST-XHL / WIDTH / FINISH

### Finishes

/G / DG / SS / E / AL / F



### RUNG OPTIONS

Steelite cable ladders can be supplied with rungs in a range of slot patterns and sections. In addition, all rungs can be inverted to special order.

Select a specific rung throughout or any combination of types 3 and 4 as required.

Type 3 will be supplied throughout unless otherwise specified.

#### Standard

**TYPE 3** 35mm x 11mm slots at 50mm centres.



**TYPE 4** 20mm x 7mm slots at 25mm centres.



**TYPE 5** 40mm x 13mm slots at 60mm centres.



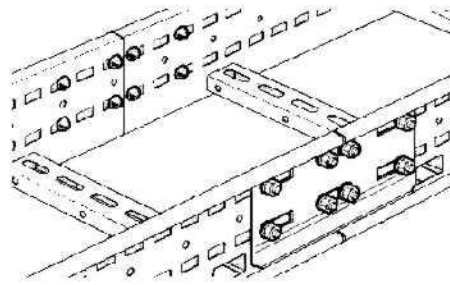
Accepts channel nuts.

# Heavy Duty & Extra Heavy Duty Cable Ladder System with Safety Edges



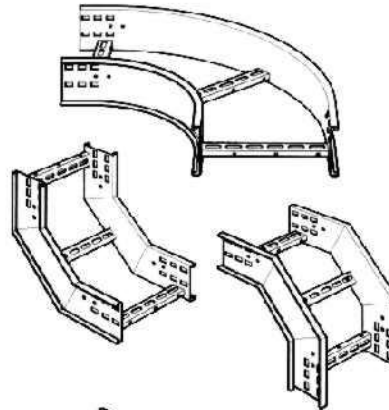
## STRAIGHT COUPLERS

Ordering Code  
ST-HLC / FINISH  
ST-XHLC / FINISH



## FLAT BENDS 90°, 60°, 45° and 30°

Ordering Code  
ST-HLFB / WIDTH / RADIUS / ANGLE / FINISH  
ST-XHLFB / WIDTH / RADIUS / ANGLE / FINISH

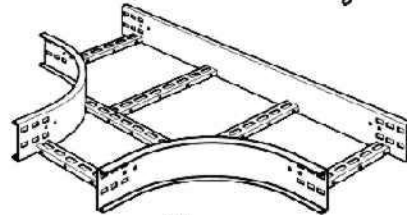


## INSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-HLIB / WIDTH / RADIUS / ANGLE / FINISH  
ST-XHLIB / WIDTH / RADIUS / ANGLE / FINISH

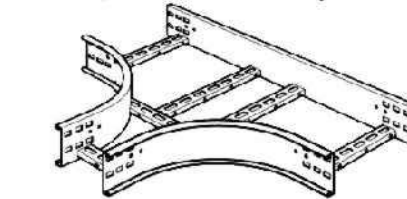
## OUTSIDE RISERS 90°, 60°, 45° and 30°

Ordering Code  
ST-HLOB / WIDTH / RADIUS / ANGLE / FINISH  
ST-XHLOB / WIDTH / RADIUS / ANGLE / FINISH



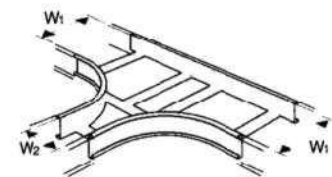
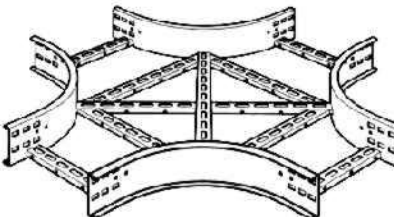
## EQUAL TEES

Ordering Code  
ST-HLET / WIDTH / RADIUS / FINISH  
ST-XHLET / WIDTH / RADIUS / FINISH



## UNEQUAL TEES

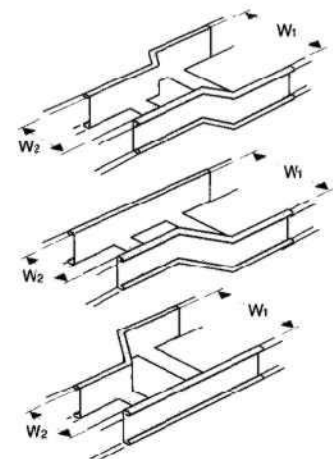
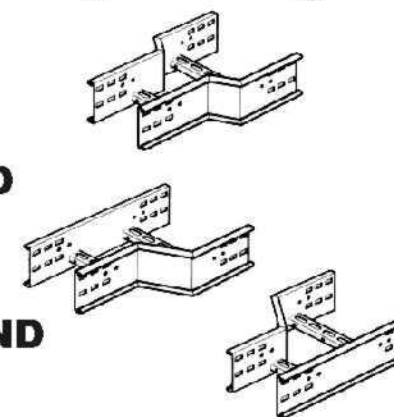
Ordering Code  
ST-HLUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / RADIUS / FINISH  
ST-XHLUT / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / RADIUS / FINISH



Very large crosspieces are supplied in two sections for assembly on site.

## 4-WAY CROSSPIECES

Ordering Code  
ST-HLX / WIDTH / RADIUS / FINISH  
ST-XHLX / WIDTH / RADIUS / FINISH



## STRAIGHT REDUCERS

Ordering Code  
ST-HLSR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-XHLSR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

## OFFSET REDUCERS LEFT HAND

Ordering Code  
ST-HLLR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-XHLLR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

## OFFSET REDUCERS RIGHT HAND

Ordering Code  
ST-HLRR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH  
ST-XHLRR / WIDTH<sub>1</sub> / WIDTH<sub>2</sub> / FINISH

- **Heavy duty construction.**
- **All components welded for rigidity and strength.**
- **Slotted side rails give 'no drilling' installation.**
- **High strength coupler system.**
- **Full range of integrated ancillaries and supports.**
- **Accessories available in a range of radii to suit all types of cable.**

Both cable ladder systems have now been upgraded to incorporate a slotted side rail configuration much favoured by installers. In addition they have a new, stronger and slimmer rung section with intumed edges as standard.

#### Fast No-drill Installation

The slotted siderails make jointing fast and easy, without the need to drill a single hole. Even when joining to a cut length the slots are always in just the right place to fit a coupler.

#### RUNG OPTIONS

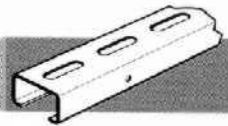
Both cable ladder systems can be supplied with rungs in a range of slot patterns and sections. In addition, all rungs can be inverted to special order.

Select a specific rung throughout or any combination of types 3 and 4 as required.

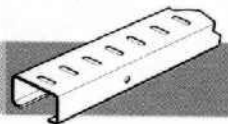
**Type 1** will be supplied throughout unless otherwise specified.

#### Standard

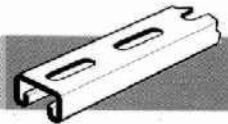
**TYPE 3** 35mm x 11mm slots at 50mm centres.



**TYPE 4** 20mm x 7mm slots at 25mm centres.



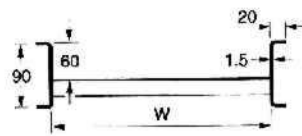
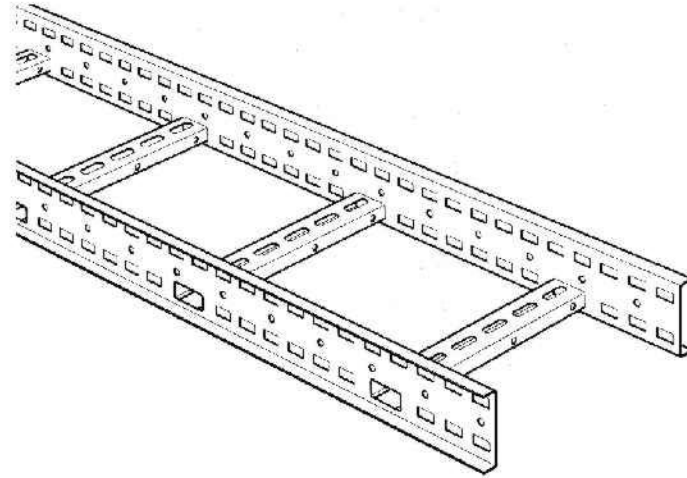
**TYPE 5** 40mm x 13mm slots at 60mm centres.



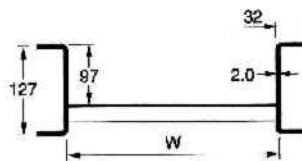
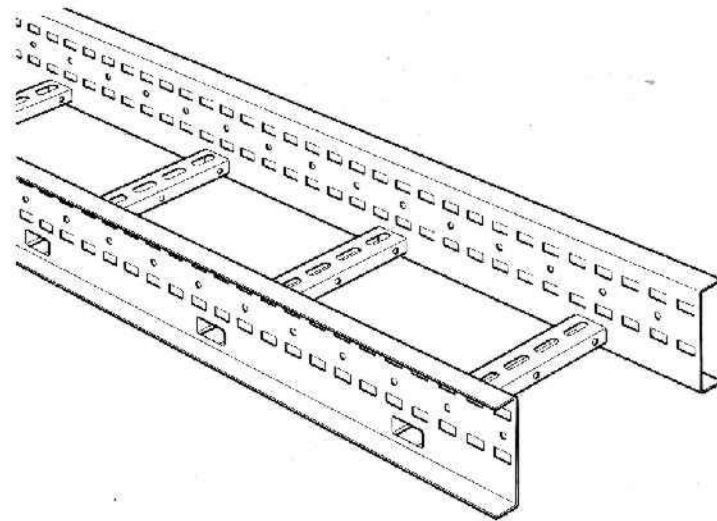
Accepts channel nuts.



# Heavy Duty Cable Ladder System



Standard length: 3.0m  
 Standard widths: 150, 300, 450, 600, 750, 900mm.  
 Radii available for all accessories: 300, 450, 600, 750, 900mm.  
 Rung spacing: 300mm between centres.  
 Rung gauge: Up to 600mm wide, 1.5mm  
 750 and 900mm wide, 2.0mm.

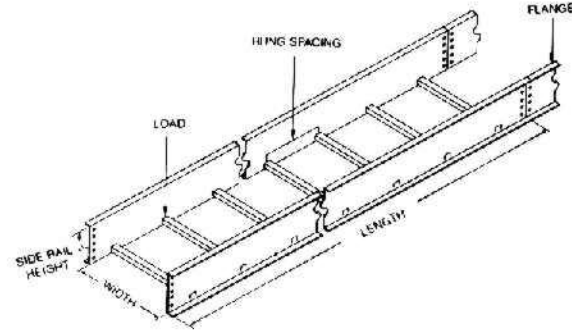
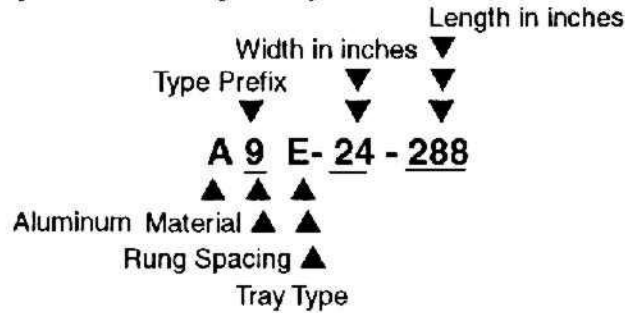


Standard length: 3.0m  
 Standard widths: 150, 300, 450, 600, 750, 900mm.  
 Radii available for all accessories: 300, 450, 600, 750, 900mm.  
 Rung spacing: 300mm between centres.  
 Rung gauge: Up to 600mm wide, 1.5mm  
 750 and 900mm wide, 2.0mm.

# NEMA Standard VE-1 Cable Ladder System



## Numbering System For Straight length



Description: 9" Rung Spacing 6" height - 24" Width - 24' Length

Standard Rung Spacing 9" (Also Available In 6", 12", 18")

Available In Widths 6", 9", 12", 24", 30", 36"

Available In Lengths 12', 20', or 24'

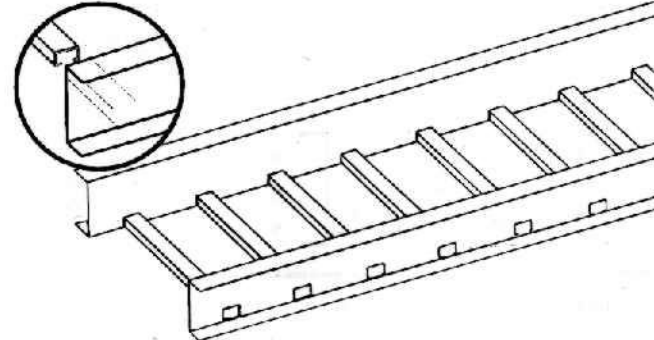
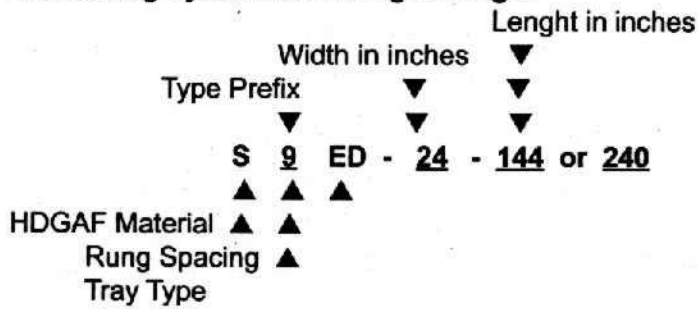
<b>ALUMINUM</b>					
NEMA CLASS	NEMA LOAD SPAN	TRAY PREFIX	SIDERAIL HEIGHT	LOAD	FLANGE
8A	50/8	A( )BA	4.50	3.50	0.75*
		A( )PB	6.00	5.00	0.75*
8B	75/8	A( )BA	4.50	3.50	0.75*
		A( )PB	6.00	5.00	0.75*
8C	100/8	A( )BA	4.50	3.50	0.75*
		A( )PB	6.00	5.00	0.75*
12A	50/12	A( )BA	4.50	3.50	0.75*
		A( )PB	6.00	5.00	0.75*
12B	75/12	A( )BB	4.50	3.50	0.75*
		A( )PB	6.00	5.00	0.75*
12C	100/12	A( )CA	4.50	3.50	1.50*
		A( )EA	6.00	5.00	1.75*
16A	50/16	A( )CA	4.50	3.50	1.50*
		A( )EA	6.00	5.00	1.75*
16B	75/16	A( )CA	4.50	3.50	1.50*
		A( )EA	4.50	5.00	1.75*
16C	100/16	A( )E	6.00	5.00	1.75*
20A	50/20	A( )CA	4.50	3.50	1.50*
		A( )EA	6.00	5.00	1.75*
20B	75/20	A( )E	6.00	5.00	1.75
20C	100/20	A( )E1	6.00	5.00	1.75
		A( )E1	7.00	6.00	1.75
20C+		A( )16	6.00	5.00	3.50

\*Stiffened Upper Flange / \*\* Nema Standard VE-1.6063 - T6

# NEMA Standard VE-1 Cable Ladder System



## Numbering System For Straight Length



Description : H.D.G.A.F/S.S. 9" Rung Spacing 6 1/4" Height - 24" Width - 12 Feet - 20 Feet.

Standard Rung Spacing: 9" (Also Available In 6" 12" 18")  
Available In Widths: 6" 9" 12" 18" 24" 30" 36"

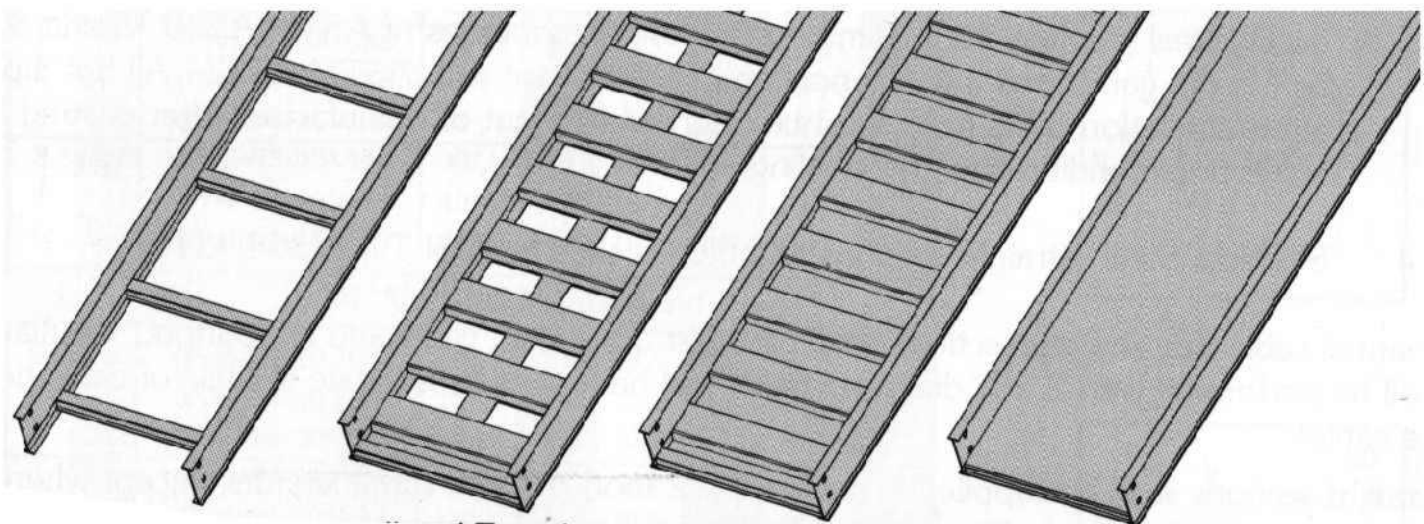
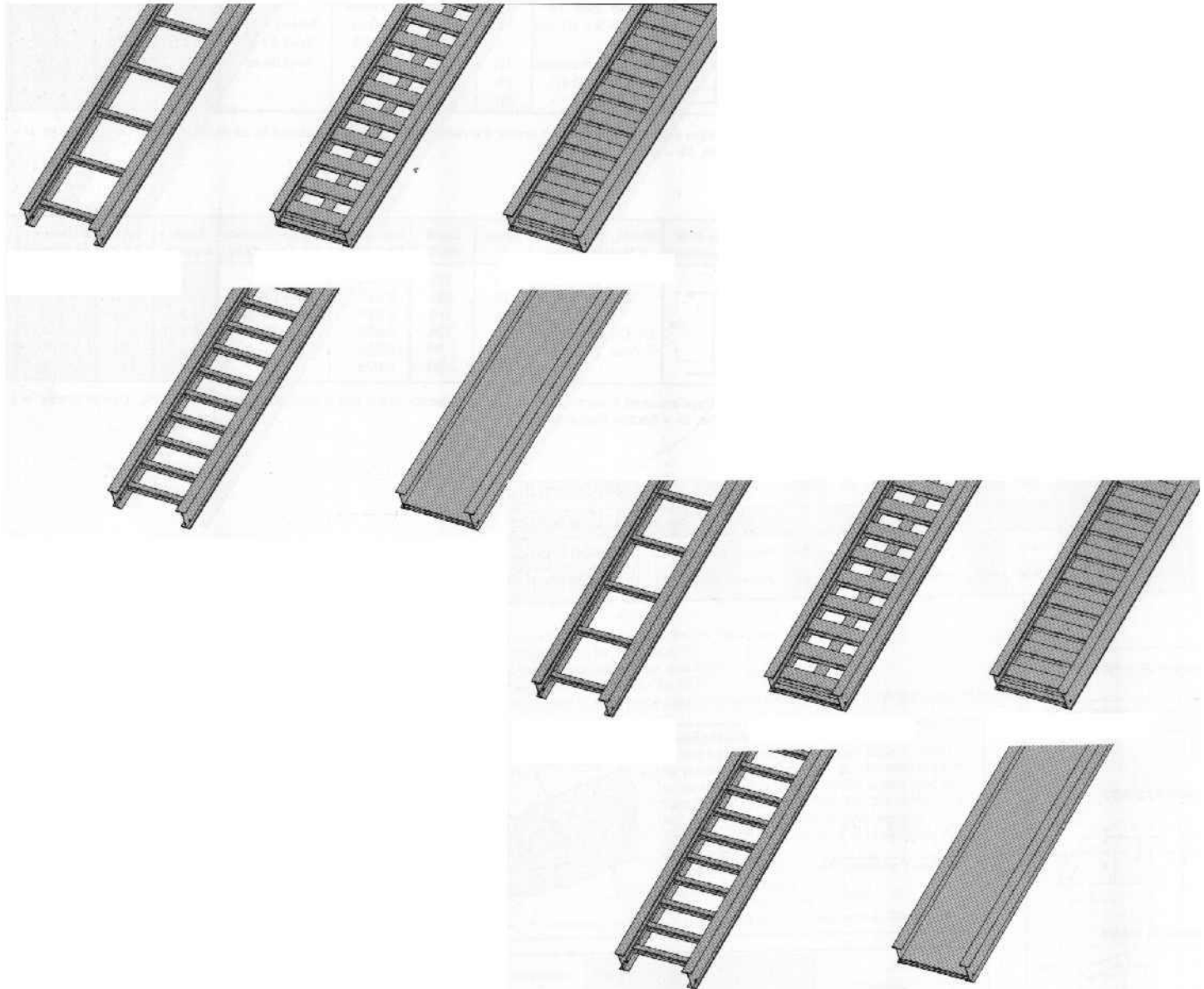
Standard Length: 12 Feet or 20 Feet

H.D.G.A.F. ELECTRAY LADDER					
NEMA CLASS	NEMA LOAD SPAN	TRAY PREFIX	SIDERAIL HEIGHT	LOAD	FLANGE
8A	50 LB./FT.	S 9 B	4"	3"	.75"
	8 FT. SPAN	S 9BC	4.5"	3.5"	.75" *
8B	75LB./FT	S 9 B	4"	3"	.75"
	8 FT.SPAN	S 9 P	6"	5"	.75"
8C	100 LB./FT.	S 9 CD	4.5"	3.5"	1.75" *
	8 FT. SPAN	S 9 P	6"	5"	.75"
12A	50 LB./FT.	S 9 B	4"	3"	.75"
	12 FT. SPAN	S 9 PD	6"	5"	.75" *
12B	75 LB./FT.	S 9 P	6"	5"	.75"
	12 FT. SPAN	S 9 B	4"	3"	.75"
12C	100 LB./FT.	S 9 BC	4.5"	3.5"	.75" *
	12 FT. SPAN	S 9 PD	6"	5"	.75" *
16A	50 LB./FT.	S 9 CD	4.5"	3.5"	1.75" *
	16 FT. SPAN	S 9 EB	6.25"	5.25"	1.75"
16B	75 LB./FT.	S 9 EC	6.25"	5.25"	1.75" *
	16 FT. SPAN	S 9 EB	6.25"	5.25"	1.75"
16C	100 LB./FT.	S 9 CD	4.5"	3.5"	1.75" *
	16 FT. SPAN	S 9 EB	6.25"	5.25"	1.75" *
20A	50 LB./FT.	S 9 CD	4.5"	3.5"	1.75" *
	20 FT. SPAN	S 9 EB	6.25"	5.25"	1.75" *
20B	75 LB./FT.	S 9 EB	6.25"	5.25"	1.75" *
	20 FT. SPAN	S 9 EC	6.25"	5.25"	1.75" *
20C	100 LB./FT.	S 9 EC	6.25"	5.25"	1.75" *
	20 FT. SPAN	S 9 ED	6.25"	5.25"	1.75" *

H.D.G.A.F. = Hot Dipped Galvanized After Fabrication / A.S.T.M. A - 123 or BS 729 / NEMA Standard VE - 1

Material available in other finish : Steel, FRP/GRP, PVC Coated

# NEMA Standard VE-1 Cable Ladder System



### Finishes

/G/DG, /SS, /AL, /F

## FLEXIBLE EXPANSION COUPLERS

Ordering Code

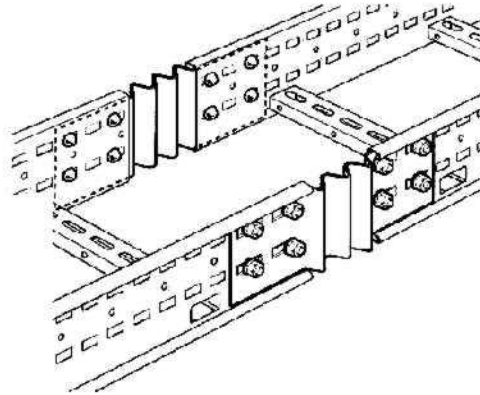
ST-LLFE/ FINISH

ST-HLFE/ FINISH

ST-XHLFE/ FINISH

ST-HLLFE/ FINISH

ST-XHLLFE/ FINISH



## BENDABLE CONNECTORS

Ordering Code

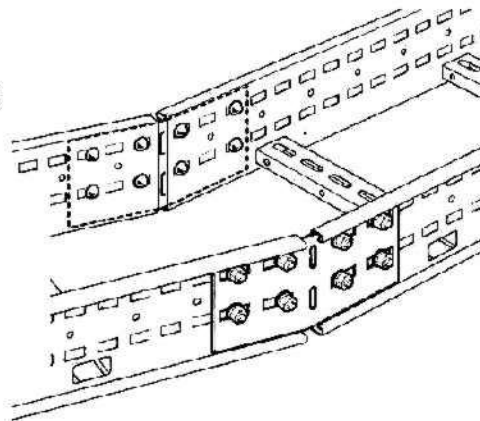
ST-LLBC/ FINISH

ST-HLBC/ FINISH

ST-XHLBC/ FINISH

ST-HLLBC/ FINISH

ST-XHLLBC/ FINISH



## VERTICAL HINGED CONNECTORS

Ordering Code

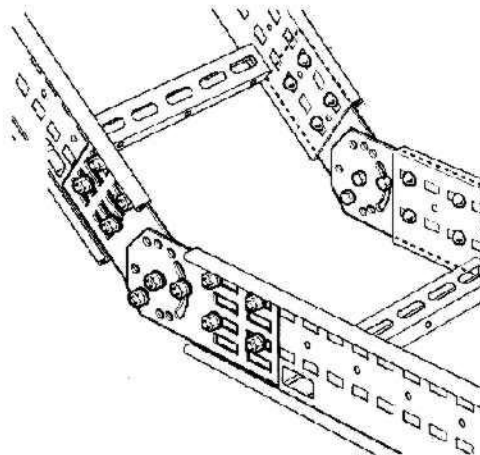
ST-LLVHC/ FINISH

ST-HLVHC/ FINISH

ST-XHLVHC/ FINISH

ST-HLLVHC/ FINISH

ST-XHLLVHC/ FINISH



Set comprises four plates (as illustrated) with fastenings.

## ARTICULATED RISERS

Ordering Code

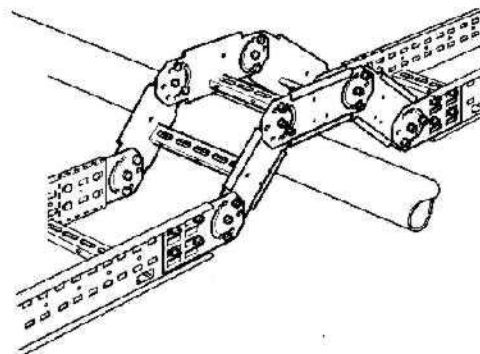
ST-LLAR/ FINISH

ST-HLAR/ FINISH

ST-XHLAR/ FINISH

ST-HLLAR/ FINISH

ST-XHLLAR/ FINISH



Set comprises three ladder sections and the necessary vertical hinged connectors (as illustrated) with fastenings.

## Ancillary Items



### Finishes

/G/ DG, /SS, /AL, /F

### HOLD DOWN CLIP

Ordering Code

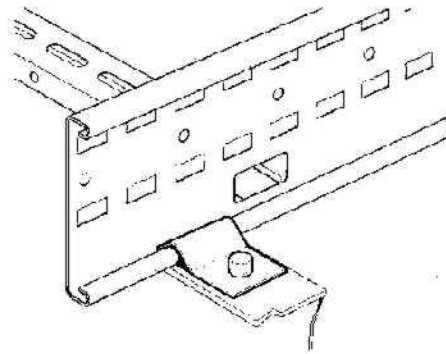
ST-LLF/ FINISH

ST-HLF/ FINISH

ST-XHLF/ FINISH

ST-HLLF/ FINISH

ST-XHLLF/ FINISH

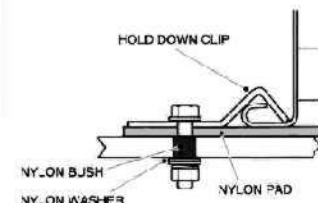
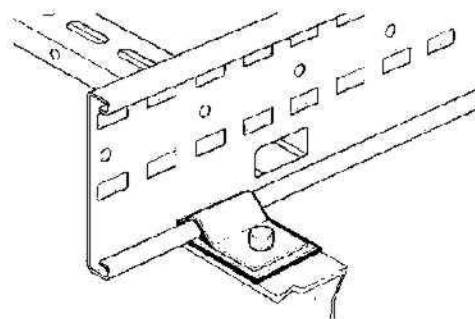


Supplied singly; use M10 fastening

### INSULATED HOLD DOWN CLIP

Ordering Code

ST-HDC/ IN FINISH

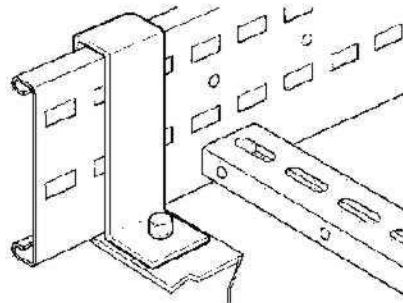


Supplied singly with insulating pad, nylon bush and washer; use M10 fastening

### HOLD DOWN BRACKET

Ordering Code

ST-HDB/ FINISH

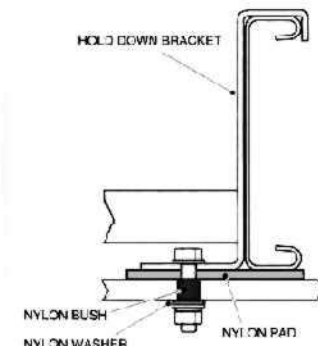
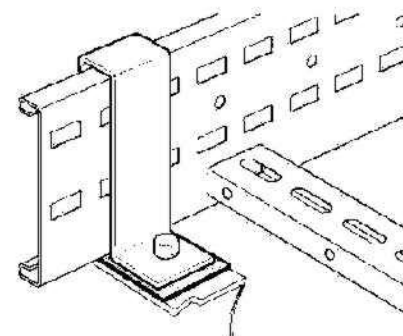


Supplied singly; use M10 fastening (not included).

### INSULATED HOLD DOWN BRACKET

Ordering Code

ST-HDB / IN FINISH

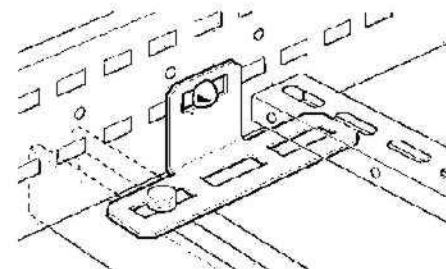


Supplied singly with insulating pad, nylon bush and washer; use M10 fastening

### BOLTABLE HOLD DOWN BRACKET

Ordering Code

ST-BHDB / FINISH



Supplied singly with bracket to adder fastening.

## Ancillary Items



### Finishes

/G/DG,/SS,/AL,/F

### BOLTABLE ANGLED HOLD DOWN BRACKET

Ordering Code

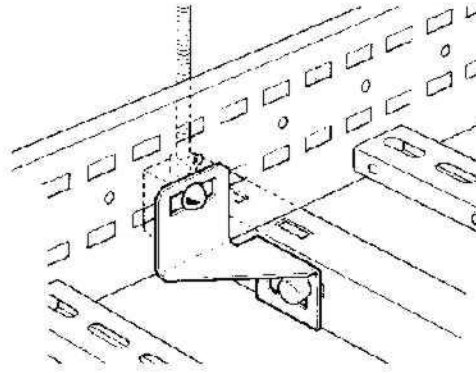
ST-LLB/ FINISH

ST-HLB/ FINISH

ST-XHLB/ FINISH

ST-HLLB/ FINISH

ST-XHLLB/

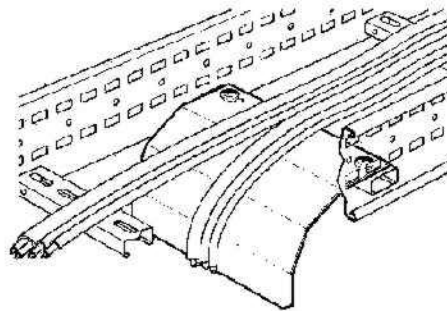


Supplied in handed pairs with bracket to ladder fastening.

### DROPOUT PLATES

Ordering Code

ST-DP/ FINISH



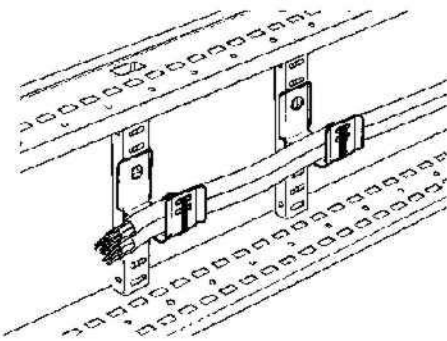
Supplied with fastenings.

### CABLE SUPPORT BRACKET

Ordering Code

ST-CSB/ FINISH

/ WIDTH / FINISH



Supplied with fastening; cable tie

### STRAIGHT DIVIDER

Ordering Code

ST-DV/ FINISH

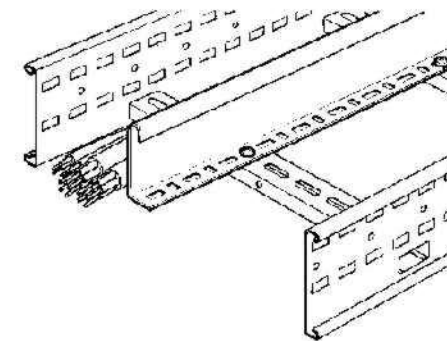
ST-DV/ FINISH

ST-DV/ FINISH

ST-DV/ FINISH

ST-DV/ FINISH

ST-DV/ FINISH



2.5m,3.0m  
Supplied with fastenings.

### CURVED DIVIDER

Ordering Code

ST-CUR/ FINISH

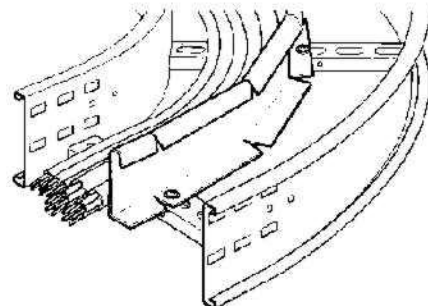
ST-CUR/ FINISH

ST-CUR/ FINISH

ST-CUR/ FINISH

ST-CUR/ FINISH

ST-CUR/ FINISH



1.0m long.  
Supplied with fastenings.

## Ancillary Items



### Finishes

/G / DG, / SS, / AL, / F

## TEE BRACKETS

Ordering Code

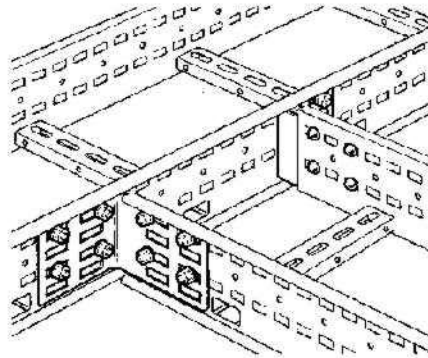
ST-LLTB/ FINISH

ST-HLTB/ FINISH

ST-XHLTB/ FINISH

ST-HLLTB/ FINISH

ST-XHLLTB/ FINISH



Supplied in pairs with fastenings.

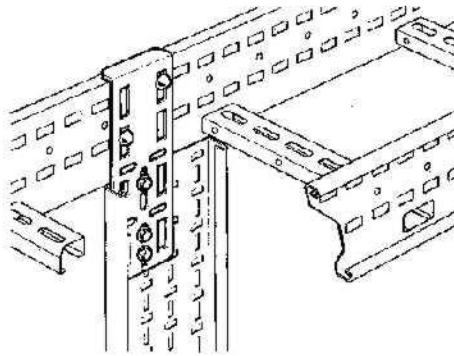
For connecting ST-LL to ST-LL use 90° End Connector ST-LLB, See page 31

For connecting to larger ladders use ST-LLB/-,

## RAIL TO RAIL DROPOUT PLATES

Ordering Code

ST-M/ FINISH

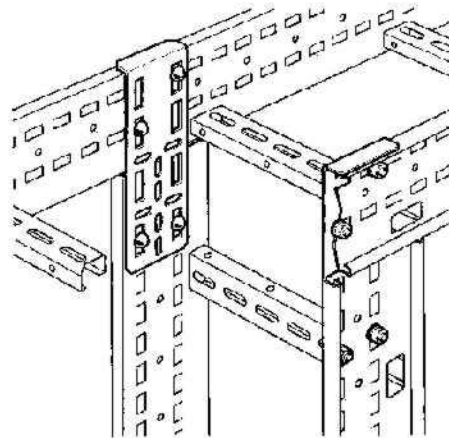


Supplied in pairs with fastenings.

## CABLE SUPPORT BRACKET

Ordering Code

ST-CSB/ FINISH



## SHORT REDUCER BRACKETS

Ordering Code

ST-R/ FINISH

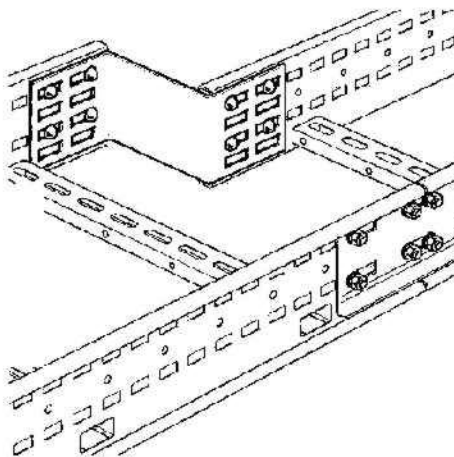
ST-R/ FINISH

ST-R/ FINISH

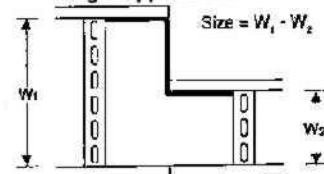
ST-R/ FINISH

ST-R/ FINISH

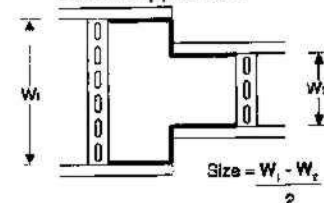
Sizes 150,300,450,600 and 750mm are available



### Single Application



### Double Application



Supplied singly with fastenings.



## Ancillary Items



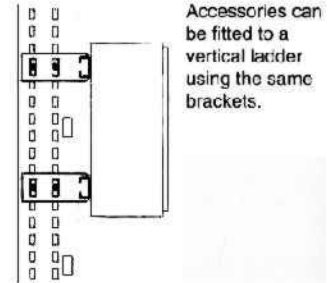
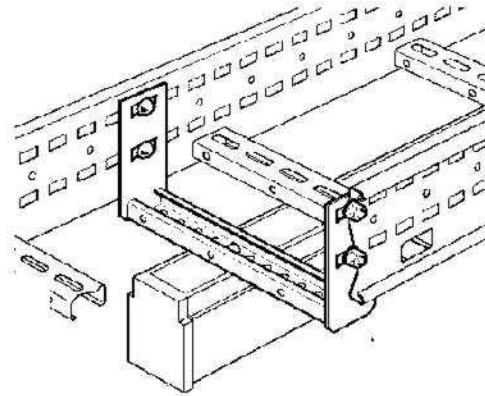
### Finishes

/G / DG, / SS, / AL, / F

### ANCILLARY MOUNTING BRACKETS

Ordering Code

ST-AMB/ WIDTH / FINISH



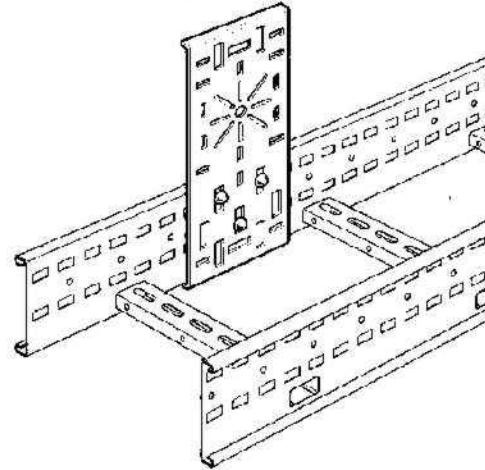
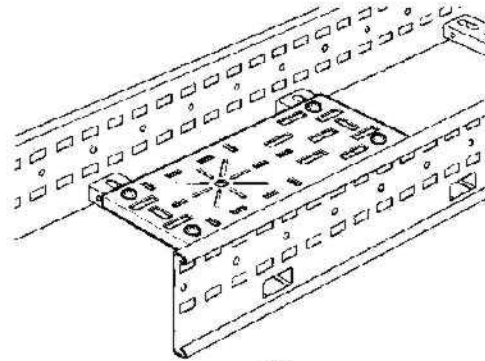
Accessories can be fitted to a vertical ladder using the same brackets.

Supplied singly with bracket to ladder fastenings.

### ANCILLARY MOUNTING PLATE

Ordering Code

ST-MP/ FINISH

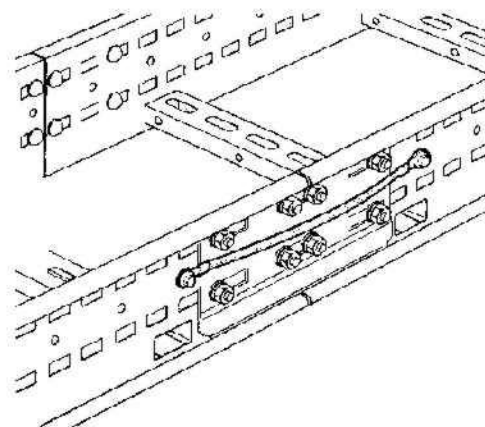


Supplied with plate to ladder fastenings.

### EARTH CONTINUITY CONNECTOR

Ordering Code

ST-LFEB



Copper braid and copper lugs, both in electroplated finish.  
Length between centres: 320mm  
Conductor area: 16mm<sup>2</sup>.

## STRAIGHT COVERS

Ordering Code  
ST-CV/ WIDTH / FINISH

## ACCESSORY COVERS

Ordering Code  
(Acc)ST-CV/ WIDTH / FINISH

## CLOSED COVERS FOR Inside & Outside Risers

Inside Risers Ordering Code  
\*ST-IRCVC/ WIDTH(s) / ANGLE / RAD / FINISH  
Inside Risers Ordering Code  
\*ST-ORCVC/ WIDTH(s) / ANGLE / RAD / FINISH

## VENTILATED COVERS FOR Inside & Outside Risers

Inside Risers Ordering Code  
\*ST-IRCVV/ WIDTH(s) / ANGLE / RAD / FINISH  
Inside Risers Ordering Code  
ST-ORCVV/ WIDTH(s) / ANGLE / RAD / FINISH

## STRAIGHT CLOSED COVERS

Ordering Code  
ST-LLCC/ WIDTH / FINISH  
ST-HLLCC/ WIDTH / FINISH  
ST-XHLLCC/ WIDTH / FINISH

## STRAIGHT VENTILATED COVERS

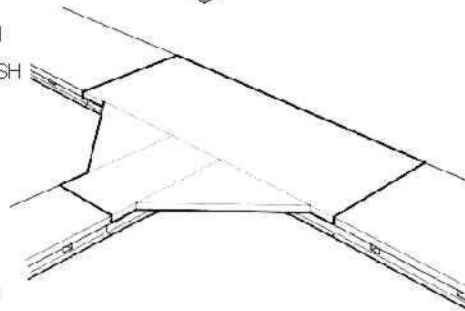
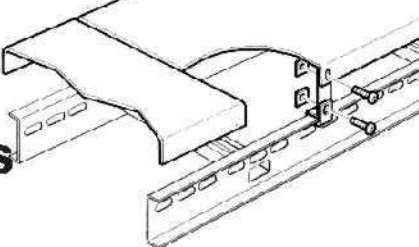
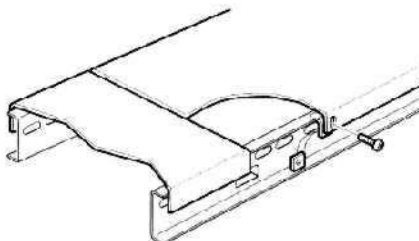
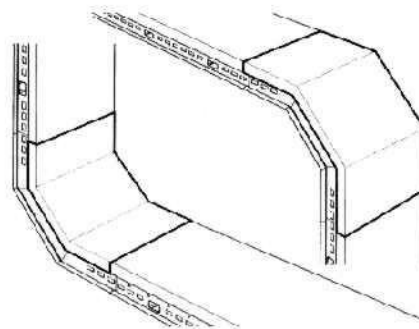
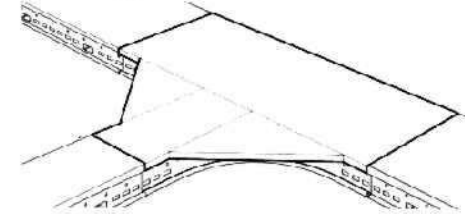
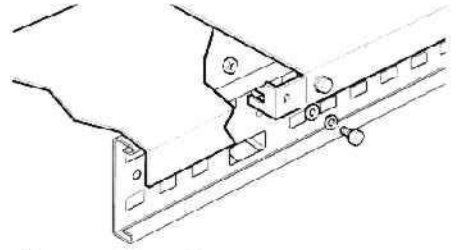
Ordering Code  
ST-LLCV/ WIDTH / FINISH  
ST-HLLCV/ WIDTH / FINISH  
ST-XHLLCV/ WIDTH / FINISH

## ACCESSORY CLOSED COVERS

Ordering Code  
ST-LL(Acc)ST-CC/ WIDTH / FINISH  
ST-HLL(Acc)ST-CC/ WIDTH(s) / ANGLE / RAD / FINISH  
ST-XHLL(Acc)ST-CC/ WIDTH(s) / ANGLE / RAD / FINISH

## ACCESSORY VENTILATED COVERS

Ordering Code  
ST-LL(Acc)ST-CV/ WIDTH / FINISH  
ST-HLL(Acc)ST-CV/ WIDTH(s) / ANGLE / RAD / FINISH  
ST-XHLL(Acc)ST-CV/ WIDTH(s) / ANGLE / RAD / FINISH



### Finishes

/ G / PG / DG / SS / E / AL / F

Straight and Accessory Covers (except for Inside and Outside Risers - see below) are suitable for either closed or ventilated installation.  
600mm wide and above are overlap jointed and dimpled for rigidity.  
Supplied with fastenings.  
Straight Covers are 2.5m, 3.0m long.

The ordering code for Accessory Covers should be completed with the inclusion of the accessory reference where indicated.

#### Example:

ST-HL 90° Flat Bend Cover, 300 wide, 300 radius with a hot dip galvanized finish- ST-HLFBC300/90/300/G

Supplied with fastenings.

The ordering code for Inside and Outside Riser Covers should be completed with the inclusion of the ladder reference where indicated \*.

#### Example:

A Closed Cover for a ST-HL 90° Inside Riser, 300 wide, 300 radius with a hot dip galvanized finish- ST-HLIRCC300/90/300/G

Straight Closed and Ventilated Covers up to 450mm: 3.0m long.  
600mm and above: 1.5m long.  
600mm and above have an interlock joint for rigidity.  
Supplied with fastenings.

Supplied with fastenings.

The ordering code for Accessory Covers should be completed with the inclusion of the accessory reference where indicated.

#### Example:

A Closed Cover for an Unequal Tee, allowing a 150mm branch off a 300mm run, with a hot dip galvanized finish- ST-UTCC300/150/G

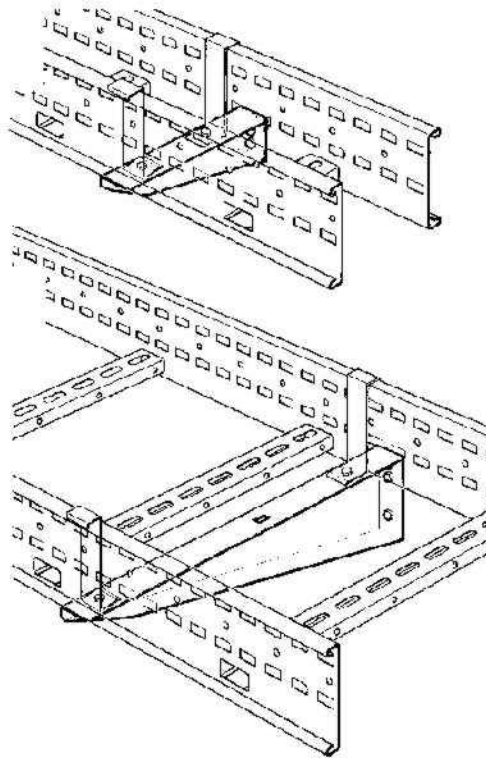
## Finishes

/G / DG, / SS, / AL, / F

## HEAVY DUTY CANTILEVER ARMS

Ordering Code

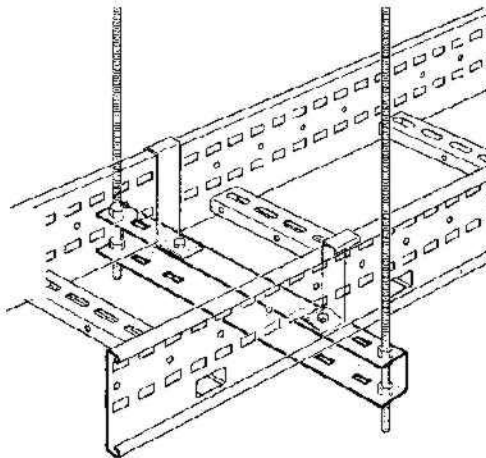
ST-HCA/ WIDTH / FINISH



## HEAVY DUTY TRAPEZE HANGERS

Ordering Code

ST-HTH/ WIDTH / FINISH



## HANGER ROD BRACKETS

Ordering Code

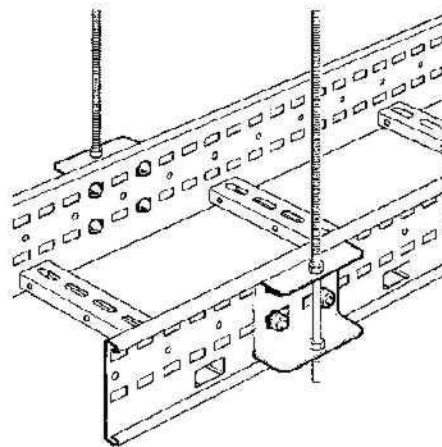
ST-LLRB/ FINISH

ST-HLRB/ FINISH

ST-XHLRB/ FINISH

ST-HLLRB/ FINISH

ST-XHLLRB/ FINISH



## Finishes

/G / DG, / SS, / AL, / F

## WALL SUPPORT BRACKETS

### Ordering Code

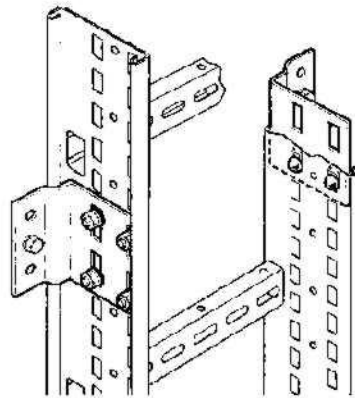
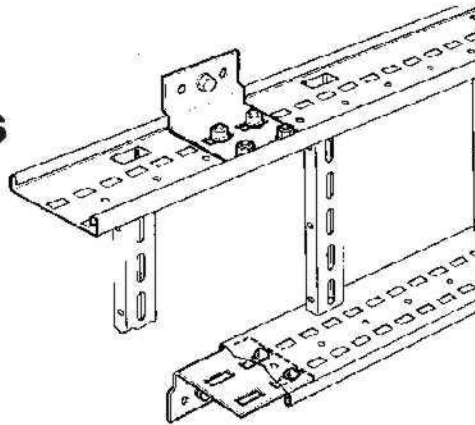
ST-LLWSB/ FINISH

ST-HLWSB/ FINISH

ST-XHLWSB/ FINISH

ST-HLLWSB/ FINISH

ST-XHLLWSB/ FINISH



## 90° END CONNECTORS

### Ordering Code

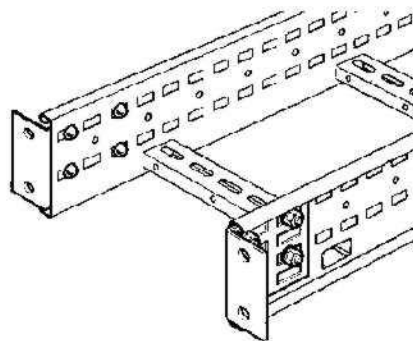
ST-LLB/ FINISH

ST-HLB/ FINISH

ST-XHLB/ FINISH

ST-HLLB/ FINISH

ST-XHLLB/ FINISH



## STOP ENDS

### Ordering Code

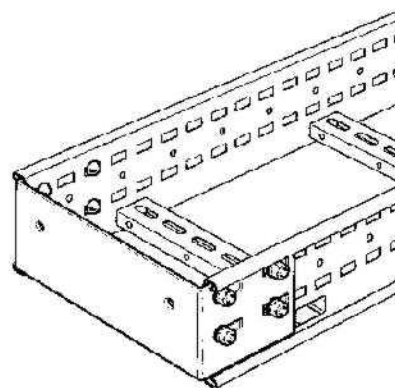
ST-LLS/ WIDTH / FINISH

ST-HLS/ WIDTH / FINISH

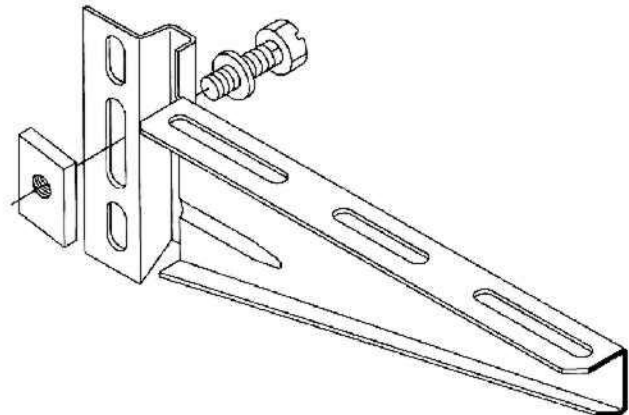
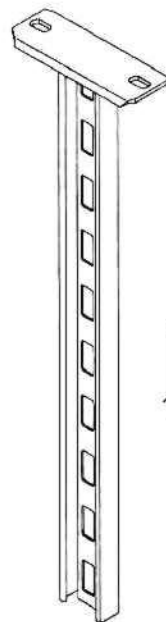
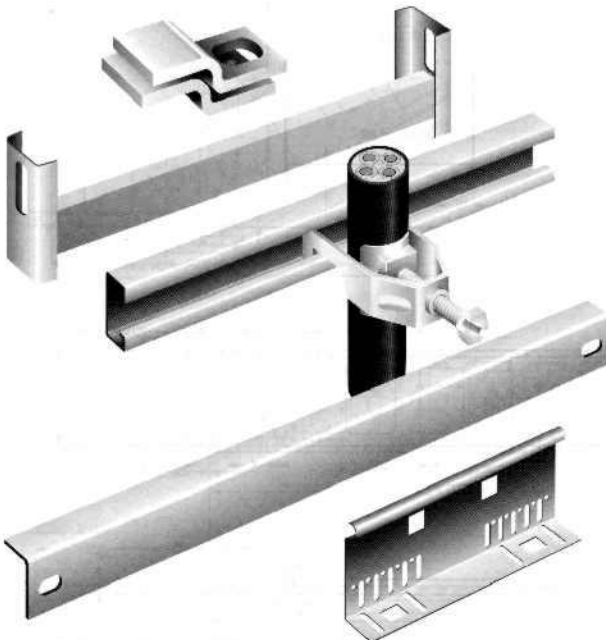
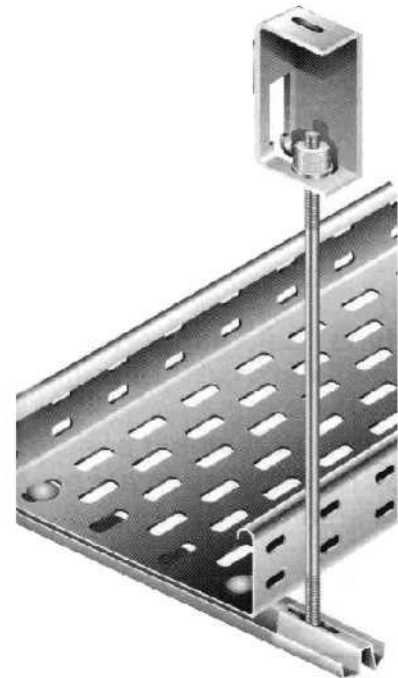
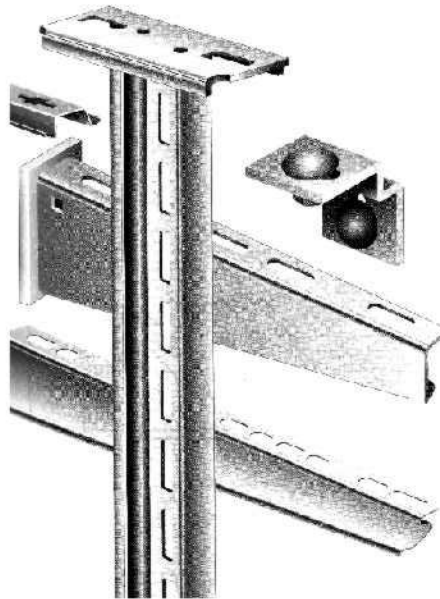
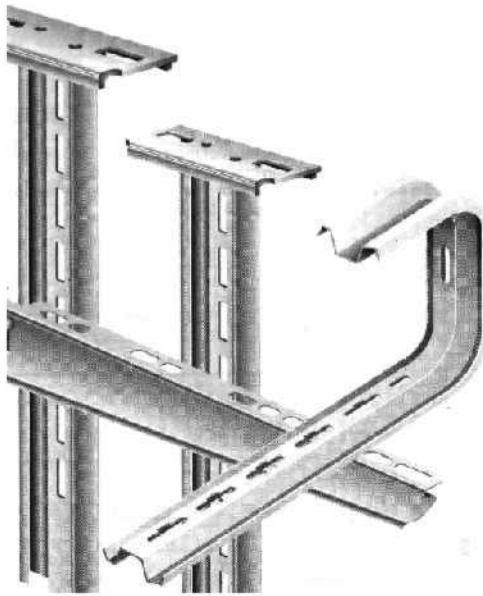
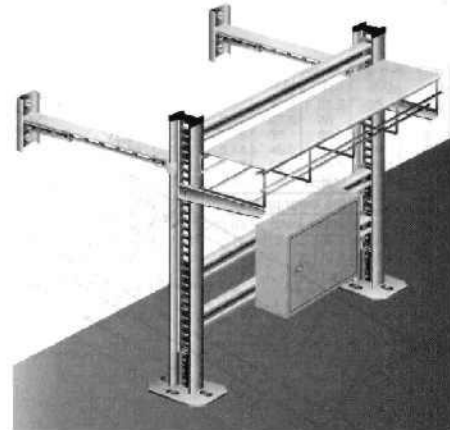
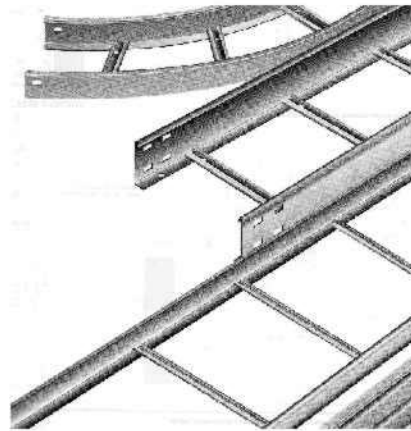
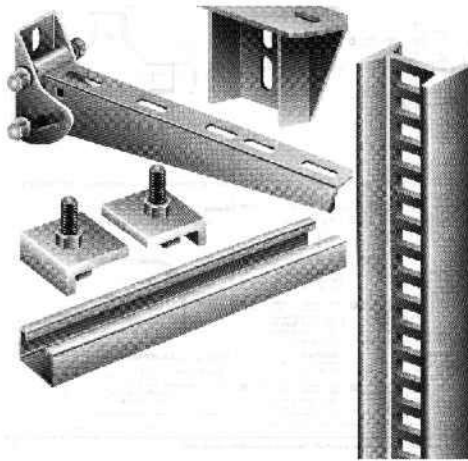
ST-XHLS/ WIDTH / FINISH

ST-HLLS/ WIDTH / FINISH

ST-XHLLS/ WIDTH / FINISH

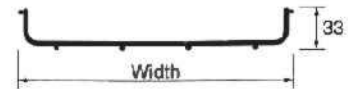
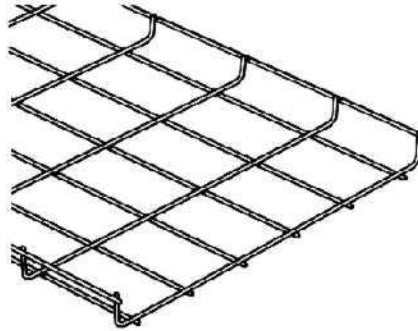


# Supports



## ST-W30 Trays

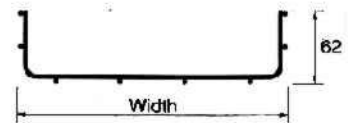
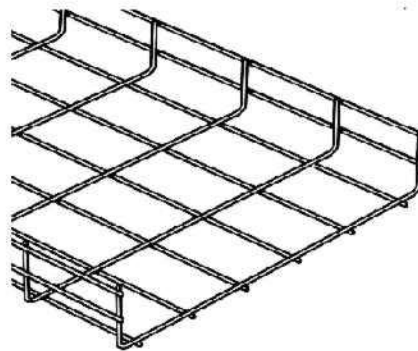
Component	Nominal
References	Width
ST-W30/100/B	100
ST-W30/200/B	200
ST-W30/300/B	300



Nominal flange height: 30mm  
Standard length: 3.0m  
Rod diameter: 4.4mm

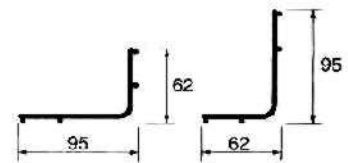
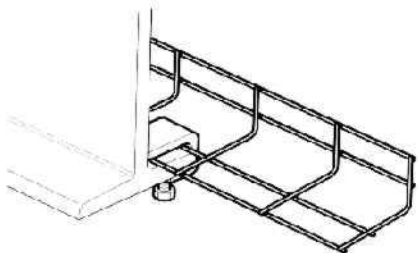
## ST-W60 Trays

Component	Nominal
References	Width
ST-W60/100/B	100
ST-W60/150/B	150
ST-W60/200/B	200
ST-W60/300/B	300
ST-W60/450/B	450
ST-W60/600/B	600



Nominal flange height: 60mm  
Standard length: 3.0m  
Rod diameters:  
Tray widths 100 - 150, 4.4mm  
Tray widths 200 - 600, 4.9mm

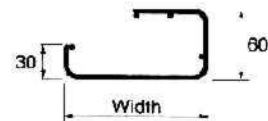
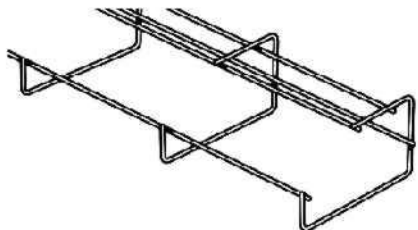
## SINGLE SIDE TRAY ST-W60M/B



Standard length: 3.0m  
Rod diameter: 4.4mm  
See page 55 for fixing clamp ST-WC6/B

## CEILING TRAY

Component	Nominal
References	Width
ST-WCT/75/B	75
ST-WCT/100/B	100



Standard length: 2.0m  
Rod diameter: 4.5mm

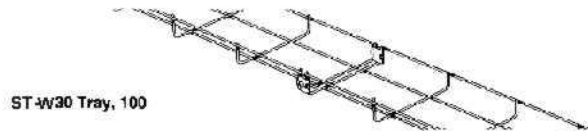
### FINISHES

- /B Bichromate zinc plated  
(see note 1)
- /SS Stainless steel  
(see note 2)
- /G Hot dip galvanized  
(see note 3)

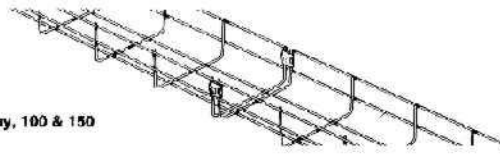
### NOTES:

1. The references given are for bichromate (/B) finish. Flextray the component reference should be changed to /SS for stainless steel Fastrack.
2. The standard grade of stainless steel used for Flextray is AISI 304 except where indicated.
3. Hot dip galvanized finish is used for some brackets; /C trays to special order only.
4. Pre-galvanized steel (/PG) is used for some brackets.

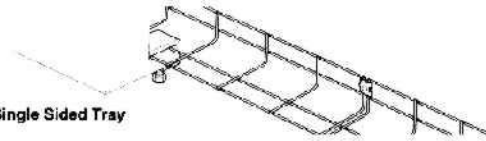
# Coupling of Flex Trays



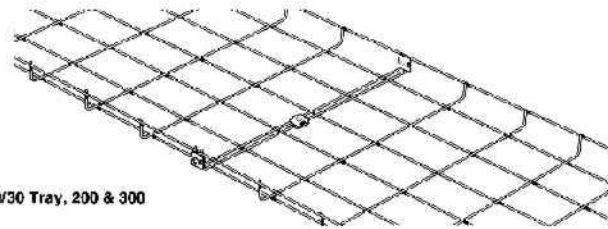
ST-W30 Tray, 100



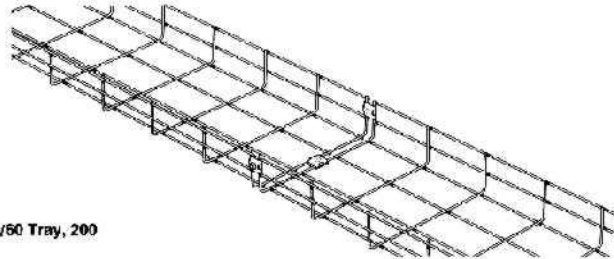
ST-W80 Tray, 100 & 150



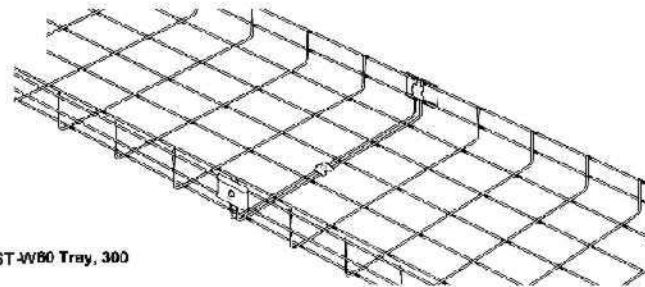
ST-W60M Single Sided Tray



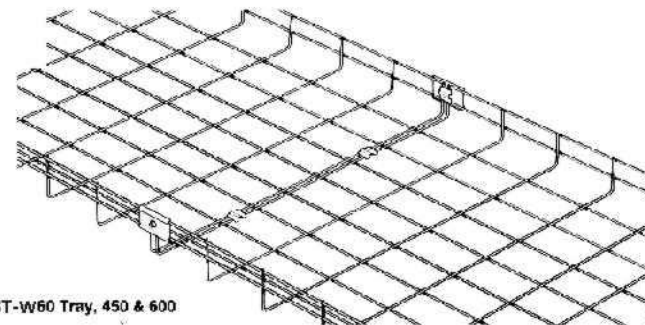
ST-W30 Tray, 200 & 300



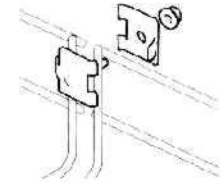
ST-W60 Tray, 200



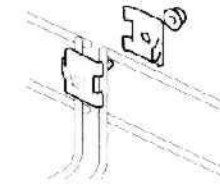
ST-W80 Tray, 300



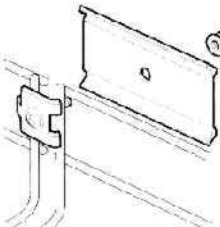
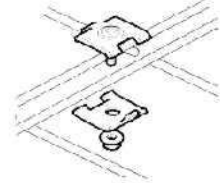
ST-W80 Tray, 450 & 600



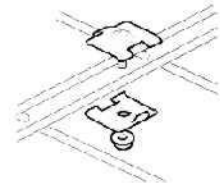
JOINT CLAMP ST-WC1/B  
OR  
CLAMP BOLT ST-WC2/B and  
CLAMP PLATE ST-WC3/B



JOINT CLAMP ST-WC1/B  
OR  
CLAMP BOLT ST-WC2/B and  
CLAMP PLATE ST-WC3/B

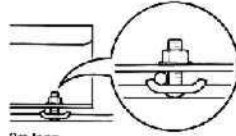
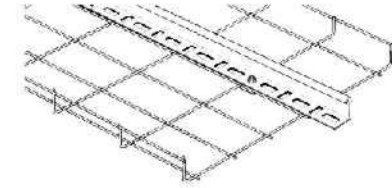


JOINT CLAMP ST-WC1/B  
OR  
CLAMP BOLT ST-WC2/B and  
CLAMP PLATE ST-WC5/B



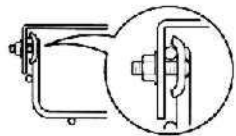
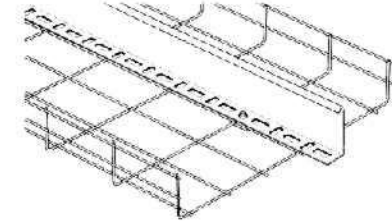
JOINT CLAMP ST-WC1/B  
OR  
CLAMP BOLT ST-WC2/B and  
CLAMP PLATE ST-WC5/B

# Ancillary Items, Supports, Brackets and Clamps



3m long.

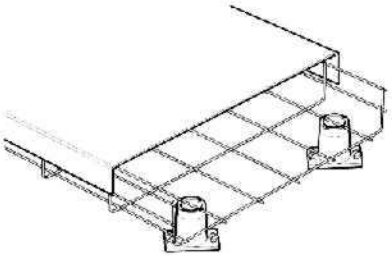
Fit with Clamp Bolt ST-KC2/B (supplied separately) every metre.  
/SS Items made from 316S31 grade steel



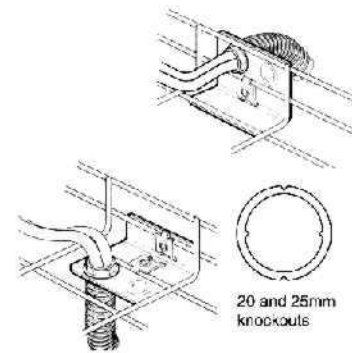
3m long.

Fit with Clamp Bolt ST-KC2/B (supplied separately) six per cover (2 per metre).  
/SS Items made from 316S31 grade steel

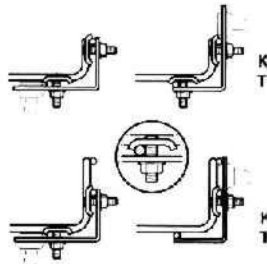
Cover flange to be cut at tray joint.



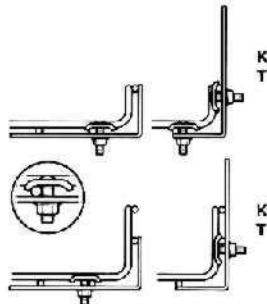
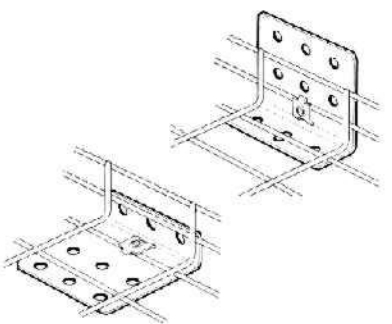
Foot clips onto tray and can be glued or screwed to floor using M6 bolts or No. 10 Woodscrews. (Fasteners not supplied).



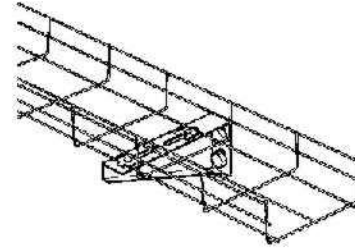
20 and 25mm knockouts



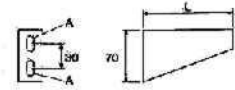
Fit with Clamp Bolt ST-KC2/B (supplied separately).  
/SS Items made from 316S31 grade steel



Fit with Clamp Bolt ST-KC2/B (supplied separately).  
/SS Items made from 316S31 grade steel.



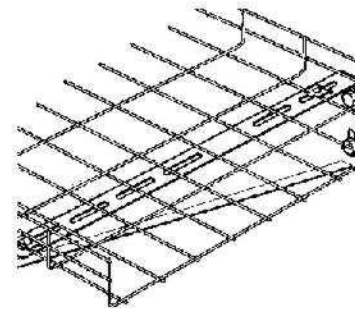
Component Reference	L
ST-WHCA100/G	120
ST-WHCA150/G	170



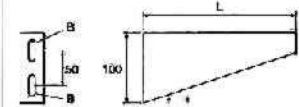
Slot size  
A = 20x10.5



KC2/B  
CLAMP BOLT

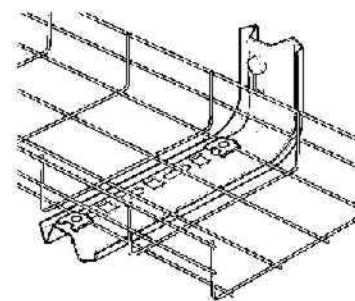


Component Reference	L
ST-WHCA200/G	220
ST-WHCA300/G	320
ST-WHCA400/G	420
ST-WHCA450/G	470
ST-WHCA600/G	620

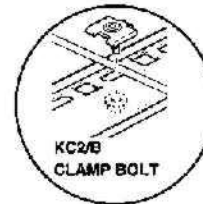


Slot size  
B = 30x10.5

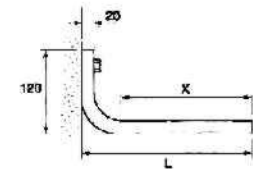
For trays up to 300mm wide.  
For direct wall mounting of trays wider than 300mm use ST-WHCA/-cantilever arms detailed above.



Component Reference	L	X
ST-WDM100/PG	130	90
ST-WDM150/PG	180	140
ST-WDM200/PG	230	190
ST-WDM300/PG	330	290



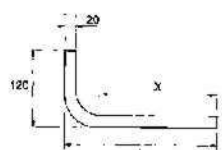
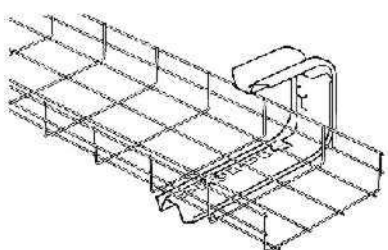
KC2/B  
CLAMP BOLT



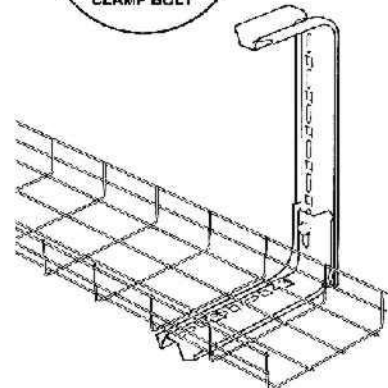
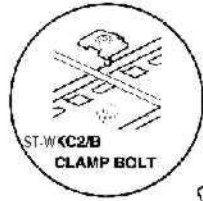
For fixing use M10 setscrew and washer or suitable M10 anchor bolt.



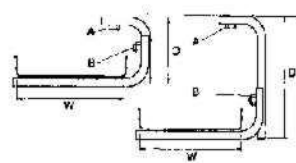
# Supports, Brackets and Clamps



Component Reference	L	X
ST-WOM100/PG	130	90
ST-WOM150/PG	180	140
ST-WOM200/PG	230	190
ST-WOM300/PG	330	290
ST-WOM400/PG	430	390
ST-WOM500/PG	530	490
ST-WOM600/PG	630	590



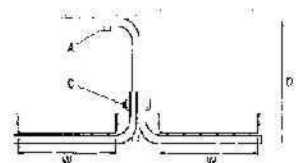
### SINGLE SIDED



For fixing details see below.

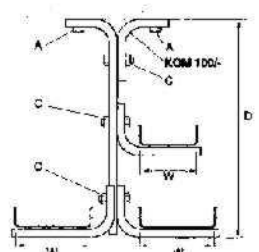
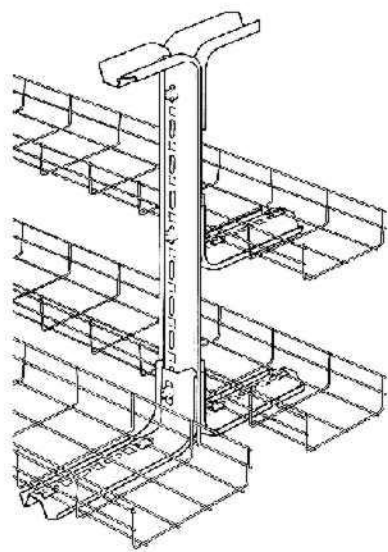
1. Minimum drop D = 150 (using ST-WOM100/)
2. For drop D < 430 (i.e. ST-WOM400/), maximum tray width W = 300
3. For drop D between 430 and 630 (ST-WOM500/ and ST-WOM600/), maximum tray width W = 200

### DOUBLE SIDED



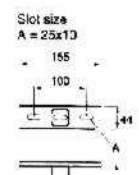
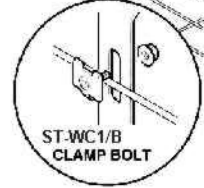
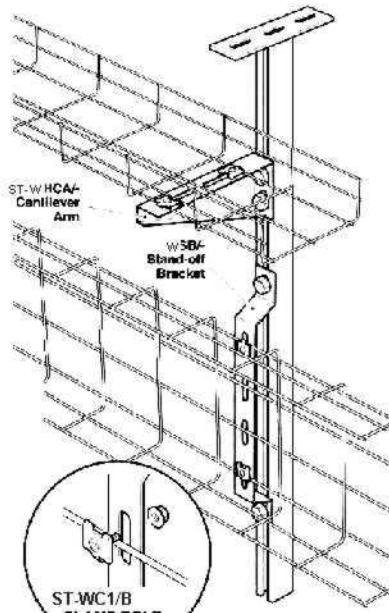
For fixing details see below.

1. For drop D ≤ 430 (i.e. ST-WOM400/ or smaller), maximum tray width W = 300.

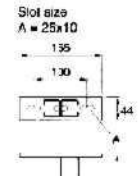
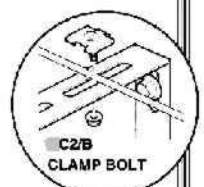
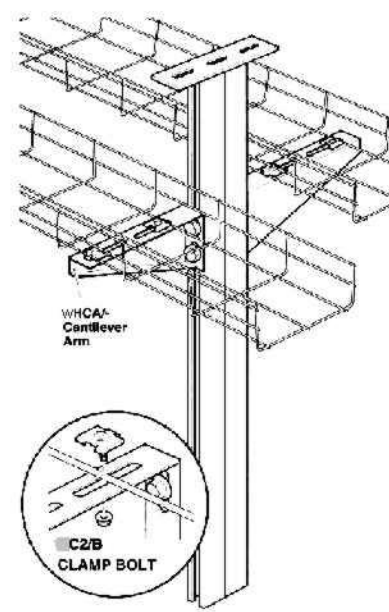
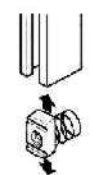


2. For drop D between 430 and 600 reinforce fixing to structure using ST-WOM100/ as shown, maximum tray width W = 200 (ST-WOM200/)

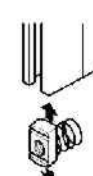
**Fixing details:**  
For fixing use:-  
A. M10x40 setscrew and washer or suitable M10 anchor bolt.  
B. M10x30 setscrew, nut and washer.  
C. M10x80 setscrew, nut and washer.



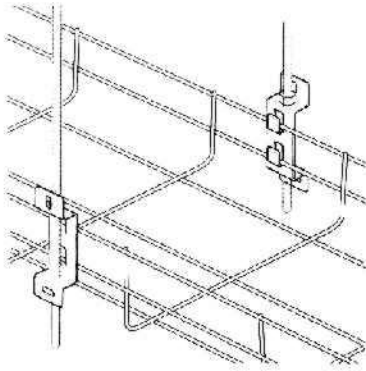
For fixing to support use 2 x M10 bolts, washers and channel nuts orientated as shown.



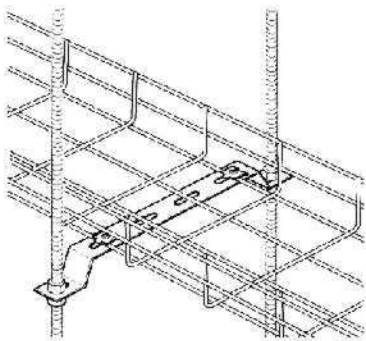
For fixing to support use 2 x M10 bolts, washers and channel nuts orientated as shown.



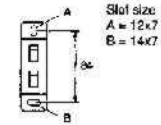
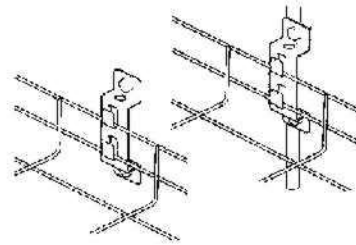
# Supports, Brackets and Clamps



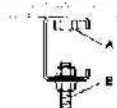
Use M8 threaded rod and nuts.



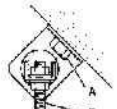
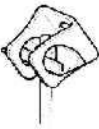
Use M10 threaded rod.



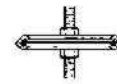
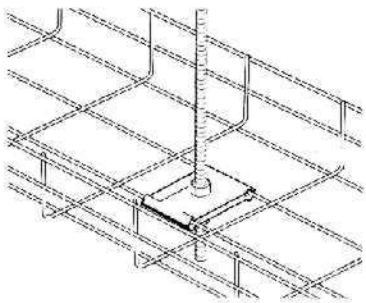
For use with ST-W60/-tray  
When mounting to 41mm channel  
use M6x25mm setscrews.



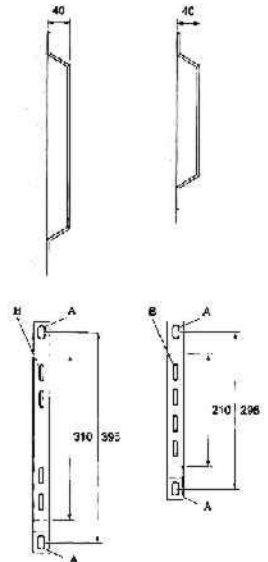
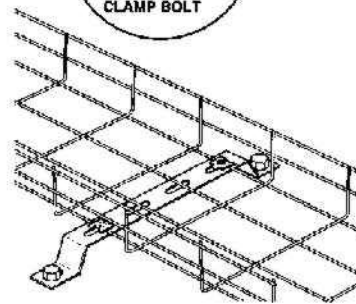
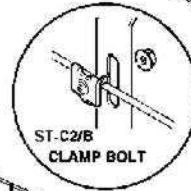
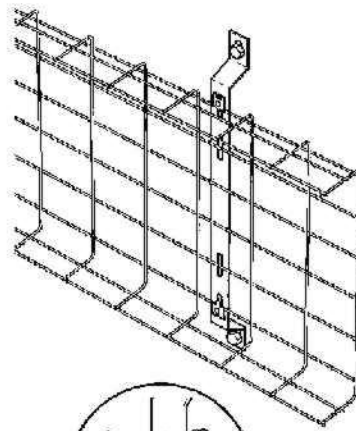
For fixing use:-  
A M10 bolt or suitable M10 anchor bolt.  
B M10 threaded rod, 2 nuts and  
2 flat washers.



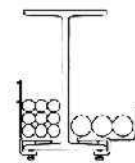
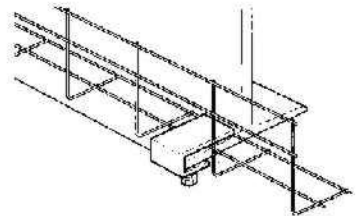
For fixing use:-  
A M10 bolt or suitable M10 anchor bolt.  
B M10 threaded rod, 2 nuts and  
2 flat washers.



Use in pairs with M10 threaded rod.  
Fit M10 nut above and below plate.



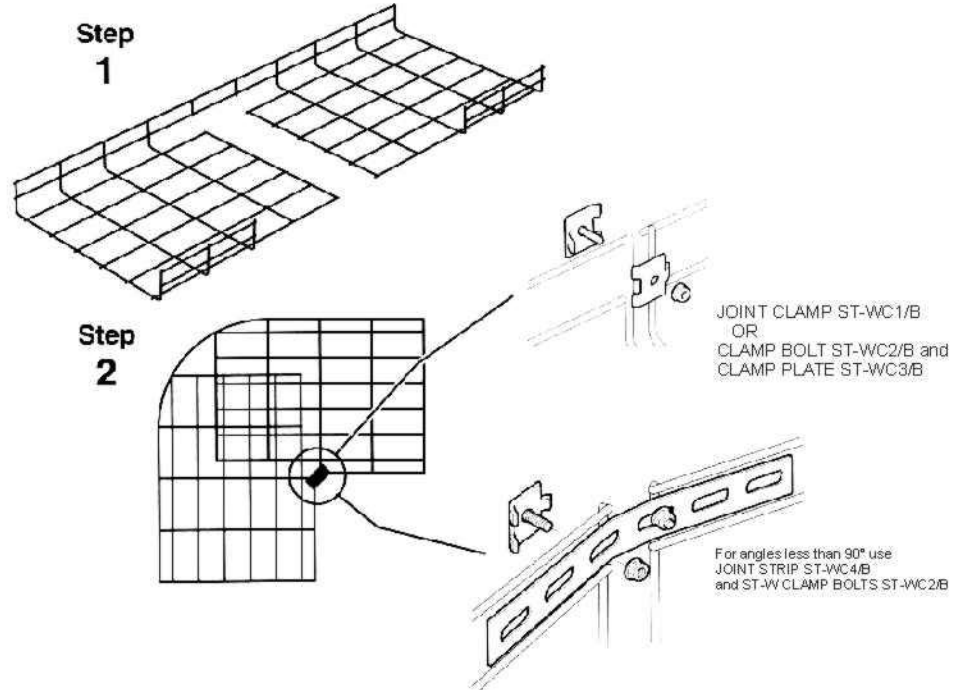
Slot size  
A = 25x12  
H = 30x7



Clamps should be fitted every 1.0m.

CONNECTORS REQUIRED  
FOR ONE 90° TIGHT BEND  
1-ST-WC1/B

CONNECTORS REQUIRED  
FOR ONE TIGHT BEND < 90°  
1-ST-WC4/B, 2-ST-WC2/B

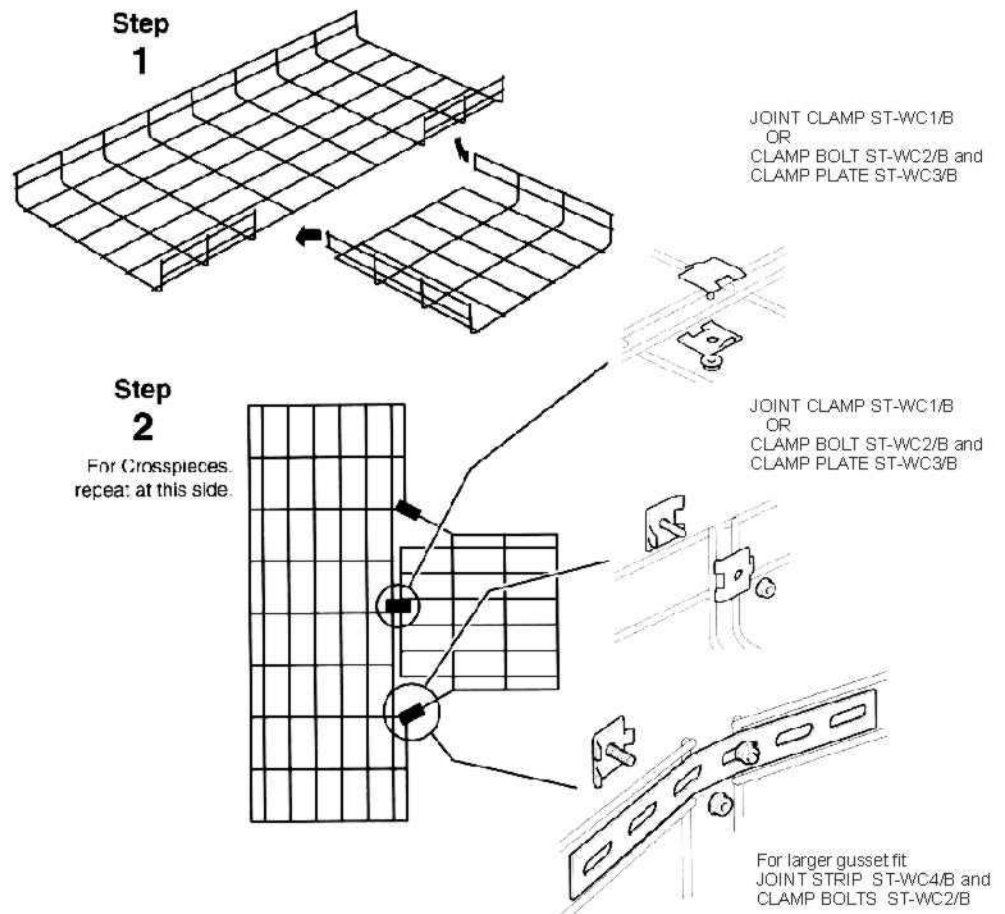


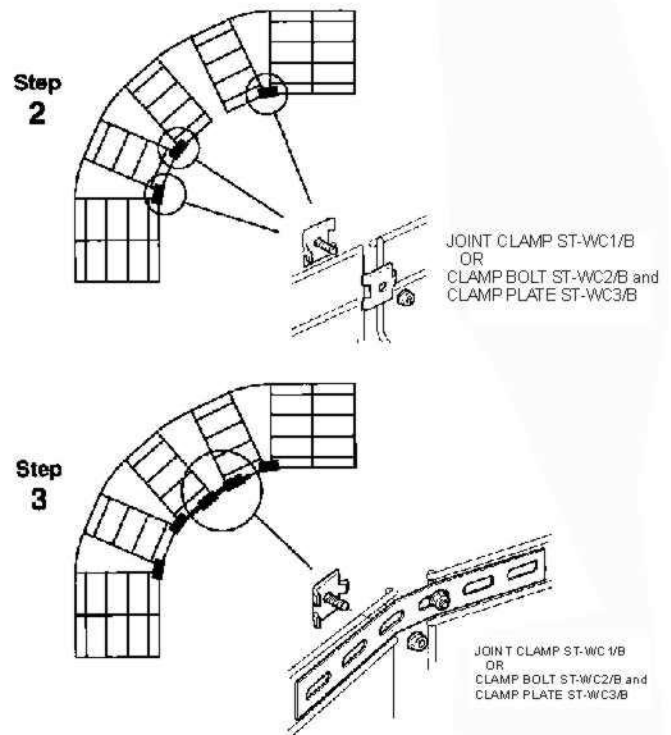
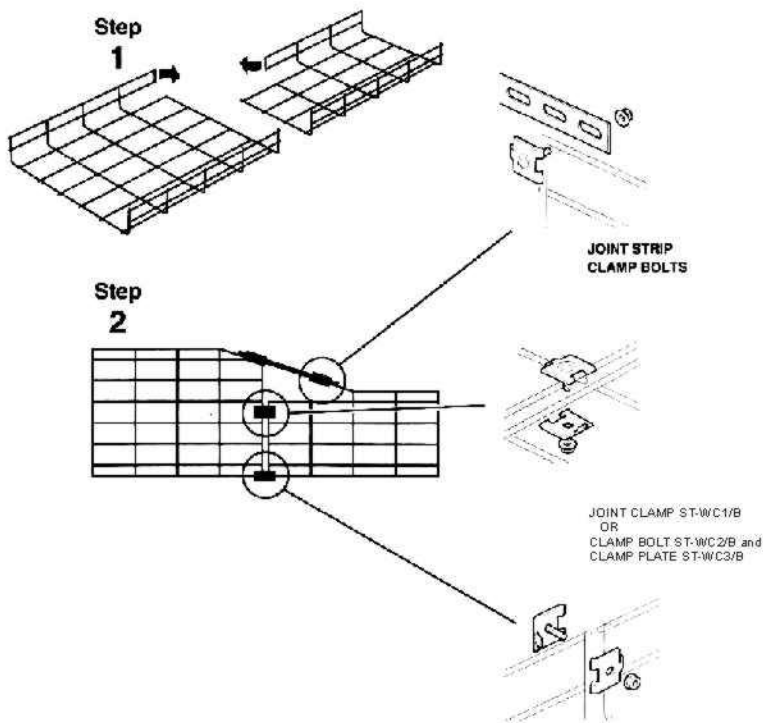
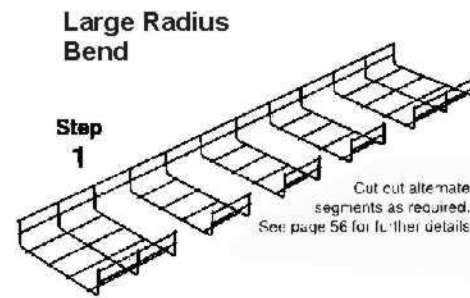
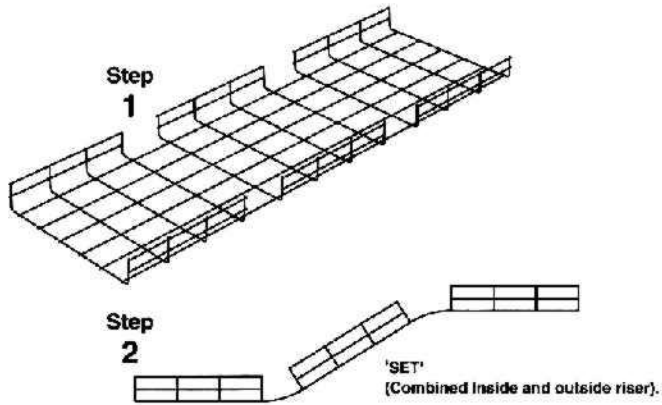
CONNECTORS REQUIRED  
FOR ONE TEE  
3 - ST-WC2/B, 3- ST-WC3/B

**For larger gussets**  
5 - ST-WC2/B, 1- ST-WC3/B

CONNECTORS REQUIRED  
FOR ONE CROSSPIECE  
6 - ST-WC2/B, 6- ST-WC3/B

**For larger gussets**  
10 - ST-WC2/B, 2- ST-WC3/B, 2- ST-WC4/B





## CONNECTORS REQUIRED FOR ONE LARGE RADIUS BEND

Tray type	Connectors required		
ST-W30/100/B	3 ST-WC2/B,	1 ST-WC3/B,	1 ST-WC4/B
ST-W30/200/B	5 ST-WC2/B,	3 ST-WC3/B,	1 ST-WC4/B
ST-W30/300/B	7 ST-WC2/B,	5 ST-WC3/B,	1 ST-WC4/B
ST-W30/100/B	3 ST-WC2/B,	1 ST-WC3/B,	1 ST-WC4/B
ST-W30/150/B	4 ST-WC2/B,	2 ST-WC3/B,	1 ST-WC4/B
ST-W30/200/B	5 ST-WC2/B,	3 ST-WC3/B,	1 ST-WC4/B
ST-W30/300/B	7 ST-WC2/B,	5 ST-WC3/B,	1 ST-WC4/B
ST-W30/450/B	9 ST-WC2/B,	7 ST-WC3/B,	1 ST-WC4/B
ST-W30/600/B	12 ST-WC2/B,	10 ST-WC3/B,	1 ST-WC4/B

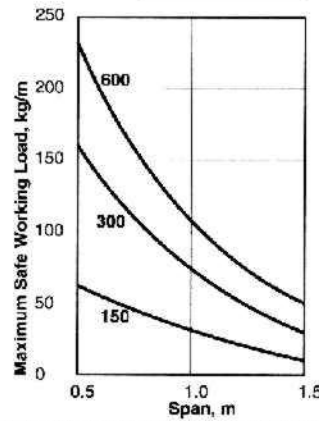
# Loading Graphs

## CABLE TRAY

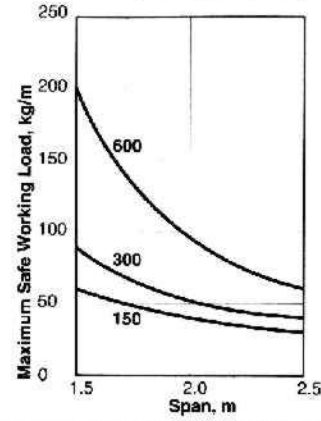
On wider ST-MRF and ST-SRF trays the maximum safe working load can be increased by fitting an appropriate fishplate across the underside of each tray-to-tray joint.

### SINGLE FLANGE TRAYS

#### ST-S

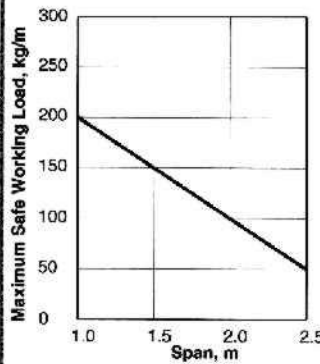


#### ST-H

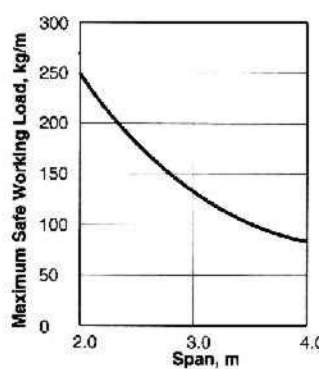


## CABLE LADDER

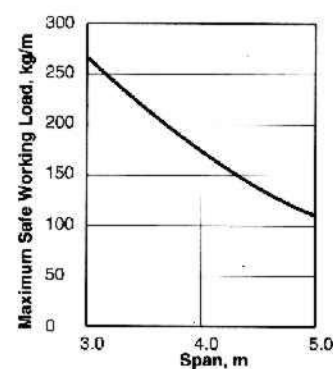
#### ST-LL



#### ST-GHL

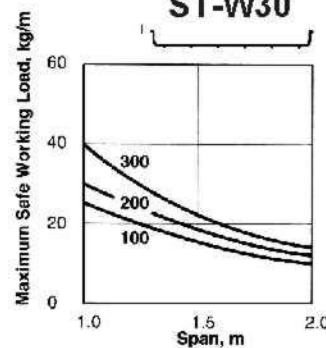


#### ST-HL

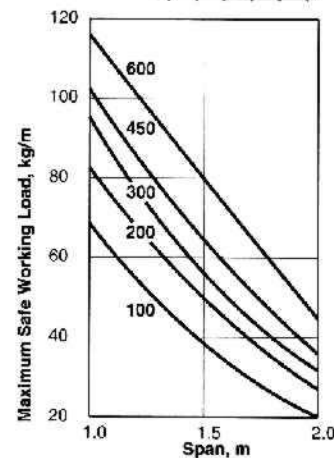


## FLEX TRAY

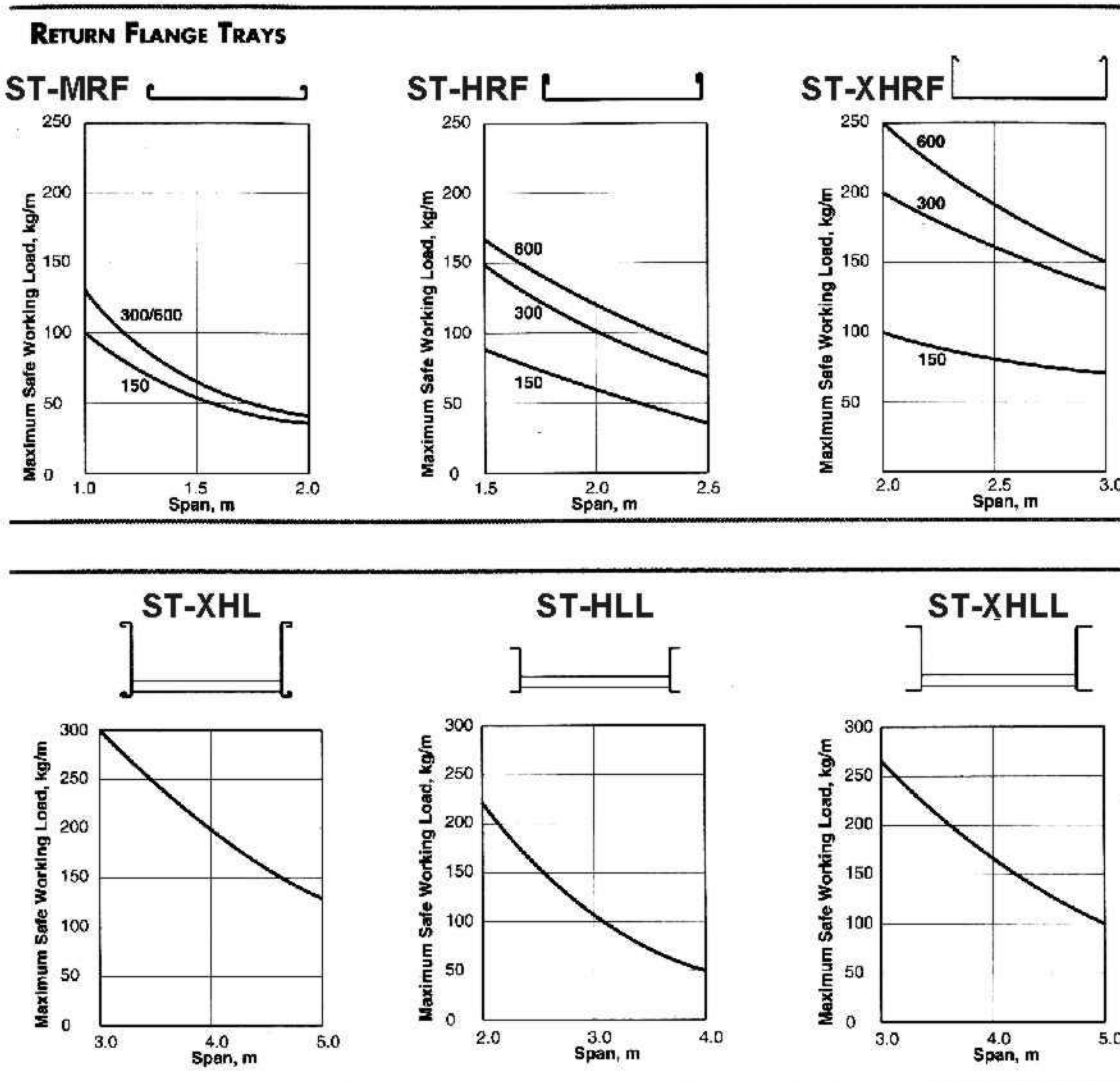
#### ST-W30



#### ST-W60



# Loading Graphs



The graphs show the maximum load for Tray, Ladder and FLEX TRAY Installed at a support spacing within its recommended range.

When the graph line is above the intersection of the required load and span lines, the support equipment is suitable for use within those load and span conditions.

Example

