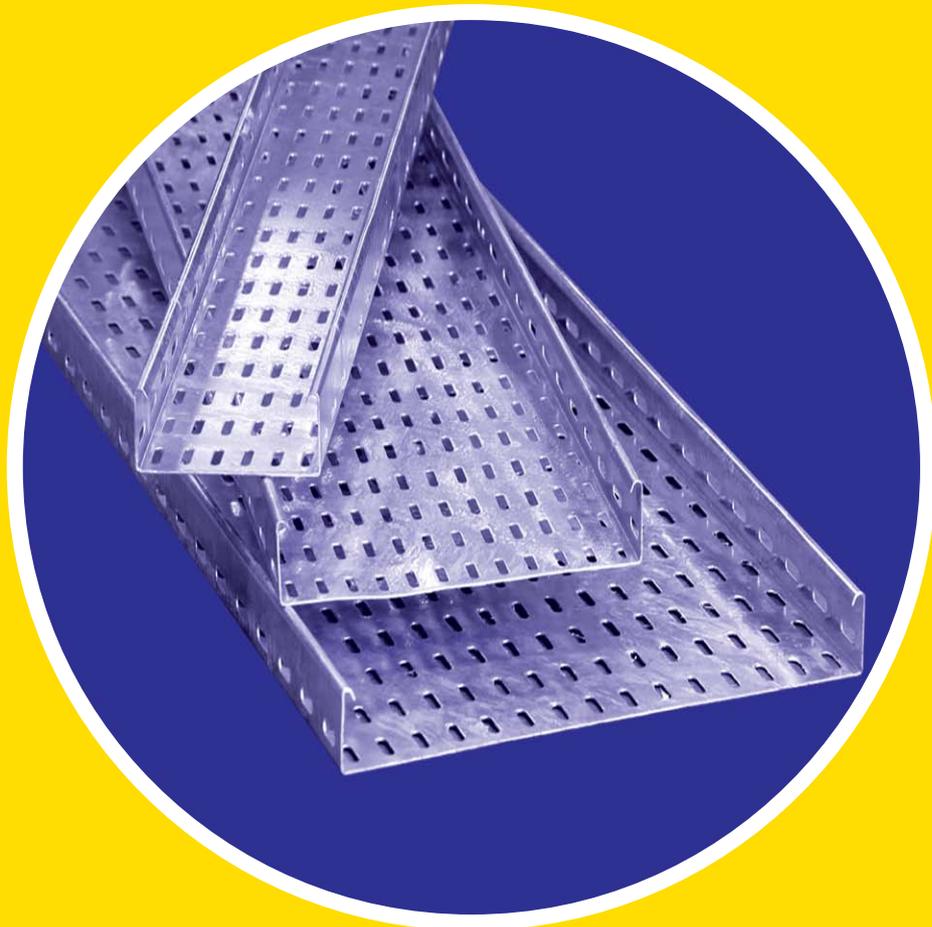


POWER SOLUTION INDUSTRIES



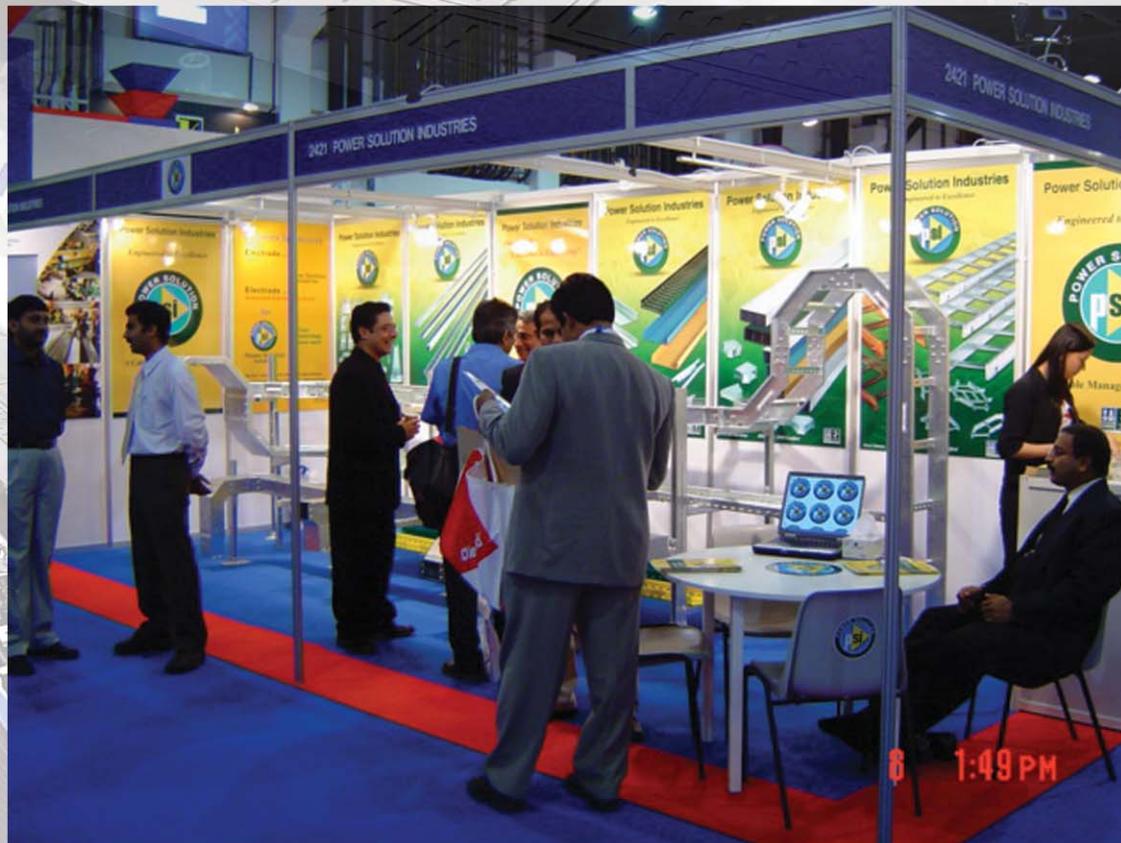
CABLE TRAY SYSTEMS



A CABLE MANAGEMENT SYSTEM

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LIGHT DUTY STRAIGHT FLANGE CABLE TRAY	2
HEAVY DUTY STRAIGHT FLANGE CABLE TRAY	4
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CABLE TRAY COVERS	12
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ISO 9001 : 2000 Certified

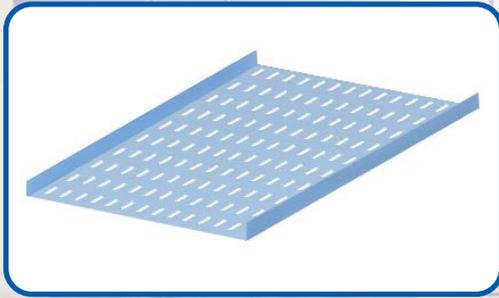


QUALITY ASSURANCE

Power Solution Industries quality plan conforms comprehensively to ISO 9001:2000. The quality assessment and reviews are carried out by DET NORSE VERITAS.

The organization defines its quality objectives at the various levels of the company in order to achieve continual improvement in quality management system.

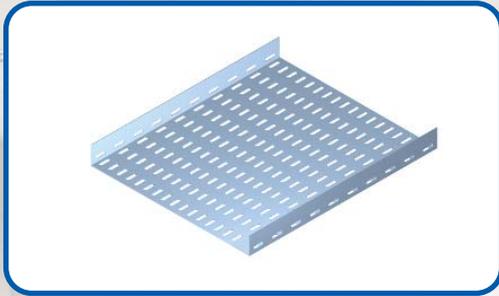
CABLE TRAY SYSTEMS - OVERVIEW



LIGHT DUTY STRAIGHT FLANGE CABLE TRAY

LDT - Cable Trays are produced with straight flanges and smaller side height for light duty applications. Ease of installation and accessibility.

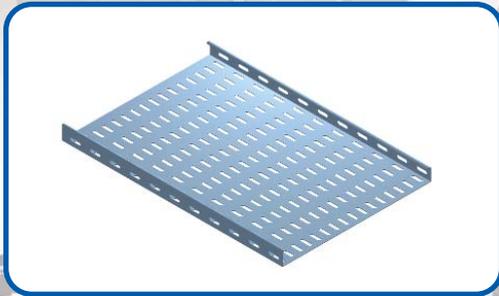
**SIDE HEIGHT: 15 mm upto 300 mm
20 mm above 300 mm**



HEAVY DUTY STRAIGHT FLANGE CABLE TRAY

PHDT - Cable Trays are produced with straight flanges with larger provision of cable depth. Ease of installation and accessibility.

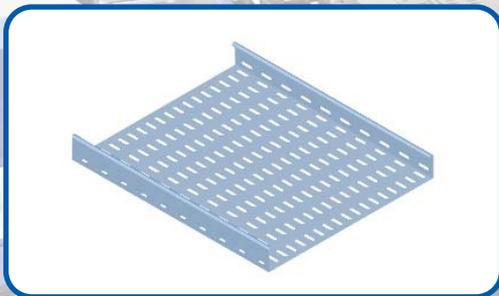
SIDE HEIGHT: 35 mm



MEDIUM DUTY INSIDE RETURN FLANGE CABLE TRAY

MDT - Cable Trays are produced with inside return flanges to provide strength to the component and better load bearing capacity.

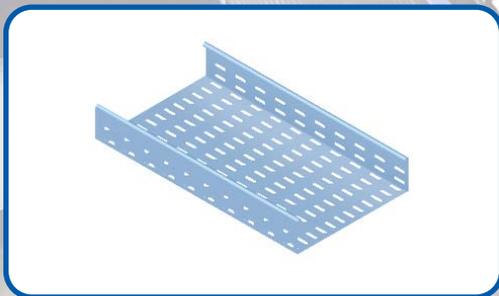
SIDE HEIGHT: 25 mm



HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAY

HDT - Cable Trays are produced with inside return flanges with larger depth for better cable management and increased load bearing capacity.

SIDE HEIGHT: 50 mm



EXTRA HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAY

XDT - Cable Trays are produced with inside return flanges for extra heavy duty applications and extra load bearing capacity.

SIDE HEIGHT: 75 mm



LIGHT DUTY STRAIGHT FLANGE CABLE TRAYS

ORDER PATTERN

To select the required component, please specify the width & finish. Angles can be mentioned wherever necessary.

EXAMPLE: For 75mm wide Cable Tray.

LDT / COMPONENT / WIDTH / FINISH (WITHOUT ANGLE)

LDT / CT / 75 / HDG

EXAMPLE: For 75mm wide Elbow Horizontal 90°

LDT / COMPONENT / WIDTH / ANGLE / FINISH (WITH ANGLE)

LDT / EH / 75 / 90 / HDG

STANDARD FINISHES

HDG Hot dip Galvanized to BS EN ISO 1461:1999 (Formerly BS 729)

PG Pre-galvanized to BS EN 10142 & 10143

PC Powder Coating to suit clients requirements

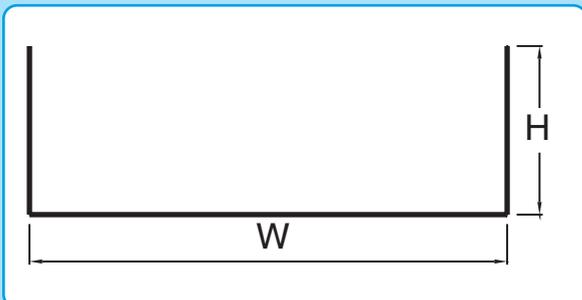
SS Stainless steel finish to required grades

FOR STRAIGHT LENGTHS AND ACCESSORIES

Width (W)	Thickness (T)
All dimensions are in mm	
50 to 150	1.0
225 to 300	1.2
450 to 600	1.5
750 to 900	2.0

PSI - Light Duty Straight Flange Cable Trays are made in a standard length of 3 mtrs but can be produced in different lengths on request.

PSI - Light Duty Straight Flange Cable Tray accessories are made to standard radius of 300 mm but can be produced in 450 mm, 600mm and 900 mm as required.



LIGHT DUTY STRAIGHT FLANGE CABLE TRAY

LDT / CT / WIDTH / FINISH

LIGHT DUTY STRAIGHT FLANGE ELBOW HORIZONTAL - 30°/45°/60°/90°

LDT / EH / WIDTH / ANGLE / FINISH

LIGHT DUTY STRAIGHT FLANGE UN-EQUAL ELBOW - 30°/45°/60°/90°

LDT / EH / W1 / W2 / ANGLE / FINISH

LIGHT DUTY STRAIGHT FLANGE TEE HORIZONTAL

LDT / TH / WIDTH / FINISH

LIGHT DUTY STRAIGHT FLANGE UNEQUAL TEE

LDT / UTH / W1/W2/W3 / FINISH

LIGHT DUTY STRAIGHT FLANGE EXTERNAL RISER - 30°/45°/60°/90°

LDT / ER / WIDTH / ANGLE / FINISH

LIGHT DUTY STRAIGHT FLANGE INTERNAL RISER - 30°/45°/60°/90°

LDT / IR / WIDTH / ANGLE / FINISH

LIGHT DUTY STRAIGHT FLANGE ADJUSTABLE RISER

LDT / AR / WIDTH / FINISH

LIGHT DUTY STRAIGHT FLANGE CROSS HORIZONTAL

LDT / CH / WIDTH / FINISH

LIGHT DUTY STRAIGHT FLANGE REDUCER STRAIGHT

LDT / RS / W1 / W2 / FINISH

LIGHT DUTY STRAIGHT FLANGE REDUCER LEFT

LDT / RL / W1 / W2 / FINISH

LIGHT DUTY STRAIGHT FLANGE REDUCER RIGHT

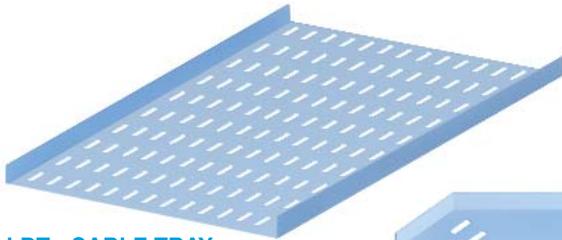
LDT / RR / W1 / W2 / FINISH

LIGHT DUTY FISH PLATE

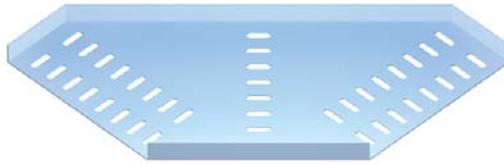
LDT / FP / WIDTH / FINISH

For special gauges, sizes and design, consult our sales team.

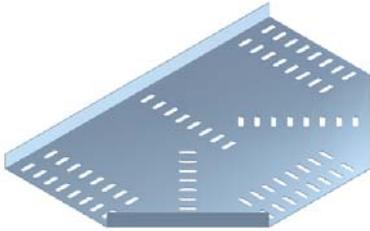
A CABLE MANAGEMENT SYSTEM



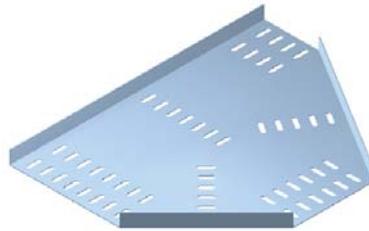
LDT - CABLE TRAY



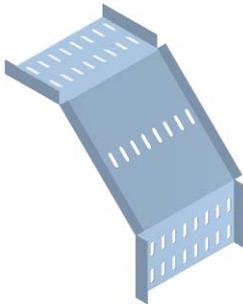
LDT - ELBOW HORIZONTAL



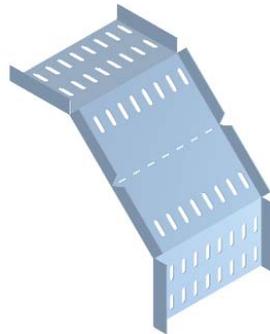
LDT - TEE HORIZONTAL



LDT - UNEQUAL TEE



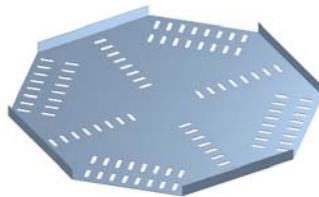
LDT - EXTERNAL RISER



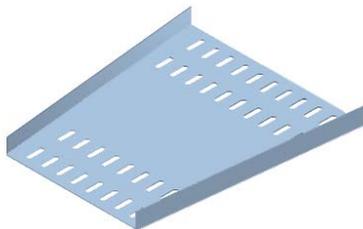
LDT - ADJUSTABLE RISER



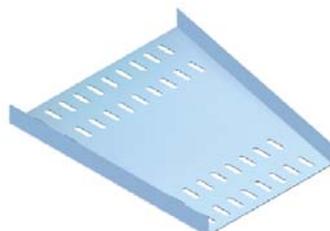
LDT - INTERNAL RISER



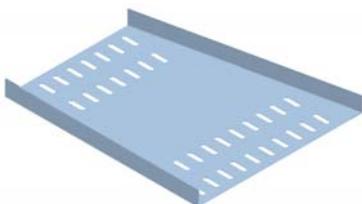
LDT - CROSS HORIZONTAL



LDT - REDUCER STRAIGHT



LDT - REDUCER RIGHT



LDT- REDUCER LEFT



LDT- FISH PLATE

For Unequal Elbow, please specify widths W1 & W2 starting from left hand side.

For Unequal Tee, please specify widths in anti- clockwise direction as W1, W2, W3 starting from left hand side.

For Unequal Cross please specify widths in anti- clockwise direction as W1, W2, W3,W4 starting from top.

LDT / UCH / W1/W2/W3/W4 / FINISH

For Reducers consider W1 as the larger size & W2 as the smaller side.

Reducing Connectors can also be used for reduction depending on the site application.

Reducer Left can be used where cable trays have the limitation of run on the right hand side.

Bonding Jumpers are used for the Earthing Connectivity.

Reducer Right can be used where cable trays have the limitation of run on the left hand side.

PSI - Cable Tray accessories are produced in single piece and carries no welding. This design gives the component extra strength, rigidity and ease of installation.

CONNECTORS

LDT cable tray & accessories are connected by Fish Plates. Roofing bolt M6 x 12 , nuts & washers are used for fastening.

FISH PLATE

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

HEAVY DUTY STRAIGHT FLANGE CABLE TRAY

ORDER PATTERN

To select the required component, please specify the component, width, finish. Angles can be mentioned wherever necessary.

EXAMPLE: For 100 mm wide Cable Tray
PHDT / COMPONENT / WIDTH / FINISH (WITHOUT ANGLE)
PHDT / CT / 100 / HDG

EXAMPLE: For 100 mm wide Elbow Horizontal
PHDT / COMPONENT / WIDTH / ANGLE / FINISH (WITH ANGLE)
PHDT / EH / 100 / A / HDG

STANDARD FINISHES

HDG Hot dip Galvanized to BS EN ISO 1461:1999
(Formerly BS 729)

PG Pre-galvanized to BS EN 10142 & 10143

PC Powder Coating to suit clients requirements

SS Stainless steel finish to required grades

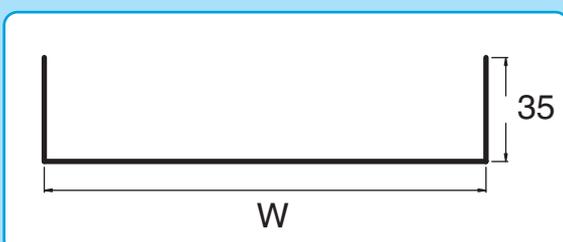
FOR STRAIGHT LENGTHS AND ACCESSORIES

Width (W)	Thickness (T)
All dimensions are in mm	
50 to 150	1.0
225 to 300	1.2
450 to 600	1.5
750 to 900	2.0

PSI - Heavy Duty Straight Flange Cable Trays are produced in a standard length of 3 mtrs but can be produced in different lengths on request.

PSI - Heavy Duty Straight Flange Cable Tray accessories are produced to standard radius of 300 mm but can be produced in 450 mm, 600mm and 900 mm as required.

Fish Plates are recommended for the trays & accessories above 200mm widths for better load bearing capacity.



HEAVY DUTY STRAIGHT FLANGE CABLE TRAY

PHDT/ CT / WIDTH / Finish

HEAVY DUTY STRAIGHT FLANGE ELBOW HORIZONTAL - 30°/45°/60°/90°

PHDT/ EH / WIDTH / ANGLE / FINISH

HEAVY DUTY STRAIGHT FLANGE ADJUSTABLE ELBOW

PHDT/ AEH / WIDTH / FINISH

HEAVY DUTY STRAIGHT FLANGE TEE HORIZONTAL

PHDT/ TH / WIDTH / FINISH

HEAVY DUTY STRAIGHT FLANGE UN-EQUAL TEE

PHDT / UTH / W1/W2/ W3/ FINISH

HEAVY DUTY STRAIGHT FLANGE EXTERNAL RISER - 30°/45°/60°/90°

PHDT / ER / WIDTH / ANGLE / FINISH

HEAVY DUTY STRAIGHT FLANGE INTERNAL RISER - 30°/45°/60°/90°

PHDT/ IR / WIDTH / ANGLE / FINISH

HEAVY DUTY STRAIGHT FLANGE ADJUSTABLE RISER

PHDT/ AR / WIDTH / FINISH

HEAVY DUTY STRAIGHT FLANGE CROSS HORIZONTAL

PHDT/ CH / WIDTH / FINISH

HEAVY DUTY STRAIGHT FLANGE REDUCER STRAIGHT

PHDT/ RS / W1 / W2 / FINISH

HEAVY DUTY STRAIGHT FLANGE REDUCER RIGHT

PHDT/ RR / W1 / W2 / FINISH

HEAVY DUTY STRAIGHT FLANGE REDUCER LEFT

PHDT/ RL / W1 / W2 / FINISH

HEAVY DUTY STRAIGHT FLANGE CONNECTORS

PHDT/ SC / FINISH

STRAIGHT CONNECTOR

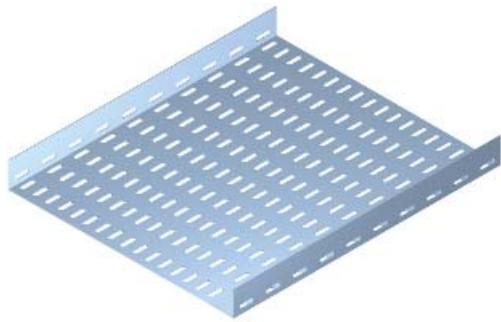
Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

INTERNAL CONNECTOR

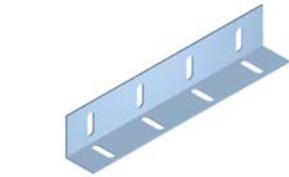
Width (mm)	Thickness (mm)
50 to 150	2.0

- Internal Connectors are produced up to the width of 150 mm only.
- For special guages, sizes or design, consult our sales team or factory.

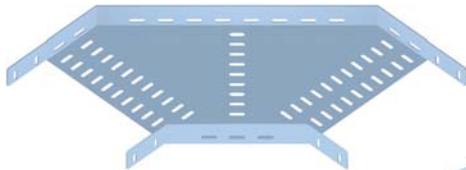
A CABLE MANAGEMENT SYSTEM



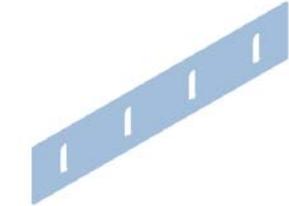
PHDT - CABLE TRAY



STRAIGHT CONNECTOR



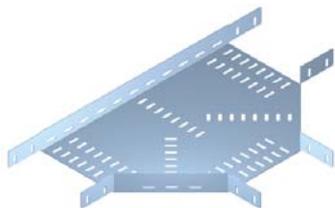
PHDT - ELBOW HORIZONTAL



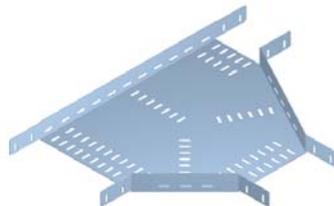
INTERNAL CONNECTOR



PHDT - ADJUSTABLE ELBOW



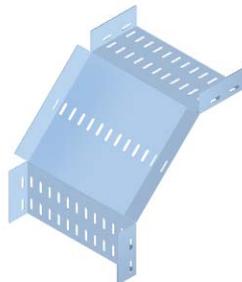
PHDT - TEE HORIZONTAL



PHDT - UNEQUAL TEE



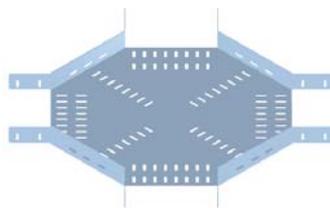
PHDT - INTERNAL RISER



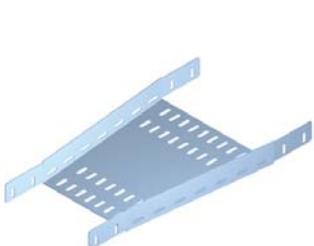
PHDT - EXTERNAL RISER



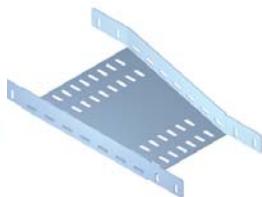
PHDT - ADJUSTABLE RISER



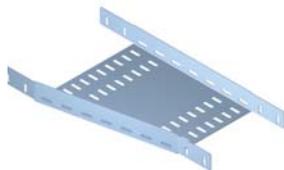
PHDT - CROSS HORIZONTAL



PHDT - REDUCER STRAIGHT



PHDT - REDUCER RIGHT



PHDT - REDUCER LEFT

For Unequal Elbow, please specify widths W1 & W2 starting from left hand side.

PHDT/ UEH / W1/ W2/ ANGLE / FINISH

For Unequal Tee, please specify widths in anti-clockwise direction as W1, W2, W3 starting from left hand side.

For Unequal Cross specify the widths as W1,W2,W3,W4 in anti-clockwise direction starting from the top .

PHDT / UCH / W1/W2/W3/W4 / FINISH

Extra long Adjustable riser can also be produced on request

PHDT/ XLAR / WIDTH / FINISH

For Reducers consider W1 as the larger size & W2 as the smaller size.

Reducing Connectors can also be used for reduction depending on the site application.

Thickness for Unequal Tee, Unequal Cross and Reducers to be considered of the larger size of the accessories.

Reducer Right can be used where cable trays have the limitation of run on the left hand side

Reducer Left can be used where cable trays have the limitation of run on the right hand side

PSI - Cable Tray accessories are produced with integral connectors for the ease of installation. No external connectors are required.

PSI - Cable Tray accessories are produced in single piece and carries no welding. This design gives the component extra strength, rigidity and ease of installation.

Bonding Jumpers are used for the Earthing Connectivity. Refer page 14.

CONNECTOR

PHDT Cable Trays are joined together by straight & internal connectors. Connectors are supplied with one set of M6 x 12 roofing bolt, nut and washer. To be ordered separately. Load graphs are provided based on Straight Connectors

MEDIUM DUTY INSIDE RETURN FLANGE CABLE TRAY

ORDER PATTERN

To select the required component, please specify the component, width, finish. Angles can be mentioned wherever necessary.

EXAMPLE: For 150 mm wide Cable Tray
MDT / COMPONENT / WIDTH / FINISH (WITHOUT ANGLE)
MDT / CT / 150 / HDG

EXAMPLE: For 150 mm wide Elbow Horizontal
MDT / COMPONENT / WIDTH / ANGLE / FINISH (WITH ANGLE)
MDT / EH / 150 / A / HDG

STANDARD FINISHES

- HDG Hot dip Galvanized to BS EN ISO 1461:1999 (Formerly BS 729)
- PG Pre-galvanized to BS EN 10142 & 10143
- PC Powder Coating to suit clients requirements
- SS Stainless steel finish to required grades

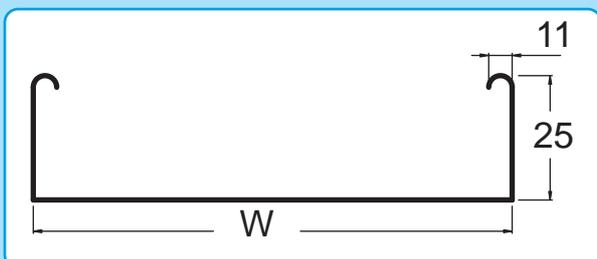
FOR STRAIGHT LENGTHS AND ACCESSORIES

Width (W)	Thickness (T)
All dimensions are in mm	
50 to 150	1.0
225 to 300	1.2
450 to 600	1.5
750 to 900	2.0

PSI - Medium Duty Inside Return Flange Cable Trays are produced in a standard length of 3 mtrs but can be produced in different lengths on request.

PSI - Medium Duty Inside Return Flange Cable Tray accessories are produced to standard radius of 300 mm but can be produced in 450 mm, 600mm and 900 mm as required.

Fish Plates are recommended for the trays & accessories above 200mm widths for better load bearing capacity.



MEDIUM DUTY INSIDE RETURN FLANGE CABLE TRAY

MDT/ CT / WIDTH / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE ELBOW HORIZONTAL - 30°/45°/60°/90°

MDT/ EH / WIDTH / ANGLE / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE ADJUSTABLE ELBOW

MDT/ AEH / WIDTH / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE TEE HORIZONTAL

MDT/ TH / WIDTH / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE UN-EQUAL TEE

MDT / UTH / W1/W2/ W3/ FINISH

MEDIUM DUTY INSIDE RETURN FLANGE INTERNAL RISER - 30°/45°/60°/90°

MDT/ IR / WIDTH / ANGLE / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE EXTERNAL RISER - 30°/45°/60°/90°

MDT/ ER / WIDTH / ANGLE / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE ADJUSTABLE RISER

MDT/ AR / WIDTH / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE CROSS HORIZONTAL

MDT/ CH / WIDTH / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE REDUCER STRAIGHT

MDT/ RS / W1/ W2 / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE REDUCER RIGHT

MDT/ RR / W1/ W2 / FINISH

MEDIUM DUTY INSIDE RETURN FLANGE REDUCER LEFT

MDT/ RL / W1/ W2 / FINISH

MEDIUM DUTY CONNECTORS

MDT/ SC / FINISH

STRAIGHT / FLANGE CONNECTOR

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

- Select an appropriate connector to suit your requirements
- Bonding Jumpers are used for the Earthing Connectivity. Refer pag

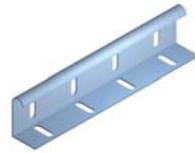
A CABLE MANAGEMENT SYSTEM



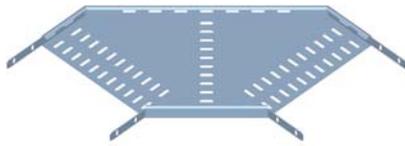
MDT - CABLE TRAY



STRAIGHT CONNECTOR



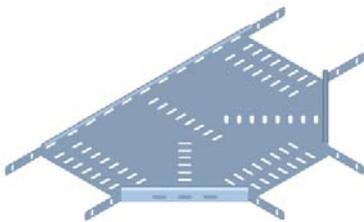
FLANGE CONNECTOR



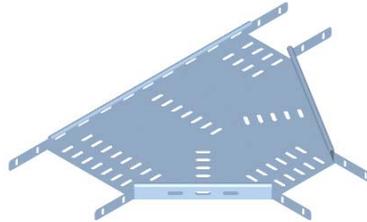
MDT - ELBOW HORIZONTAL



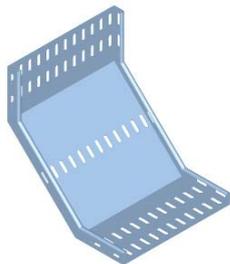
MDT - ADJUSTABLE ELBOW



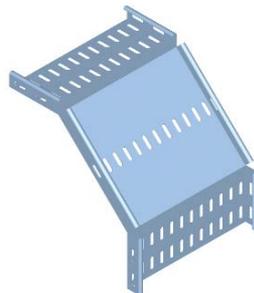
MDT - TEE HORIZONTAL



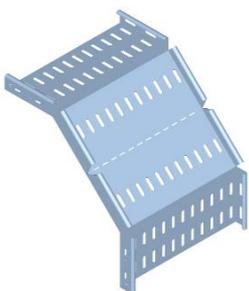
MDT - UN-EQUAL TEE



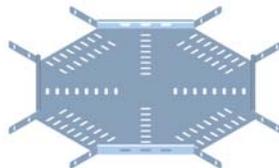
MDT - INTERNAL RISER



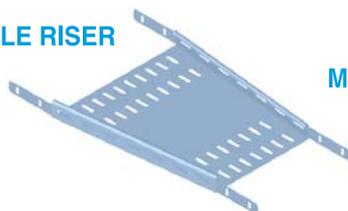
MDT - EXTERNAL RISER



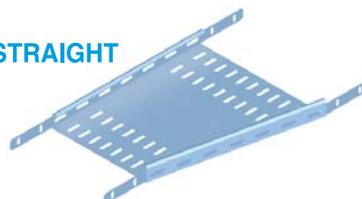
MDT - ADJUSTABLE RISER



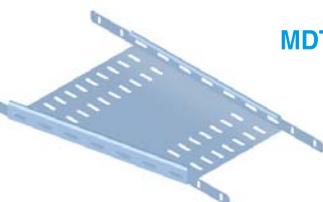
MDT - CROSS HORIZONTAL



MDT - REDUCER STRAIGHT



MDT - REDUCER LEFT



MDT - REDUCER RIGHT

For Unequal Elbow, please specify widths W1 & W2 starting from left hand side.

MDT/UEH / W1/ W2/ ANGLE / FINISH

For Unequal Tee, please specify widths in anti-clockwise direction as W1, W2, W3 starting from left hand side.

For Unequal Cross specify the widths as W1,W2,W3,W4 in anti-clockwise direction starting from the top.

MDT / UCH / W1/W2/W3/W4 / FINISH

Extra long Adjustable riser can also be produced on request.

MDT/ XLAR / WIDTH / FINISH

For Reducers consider W1 as the larger size & W2 as the smaller side.

Reducing Connectors can also be used for reduction depending on the site application.

Thickness for Unequal Tee, Unequal Cross and Reducers to be considered of the larger size of the accessory.

Reducer Right can be used where cable trays have the limitation of run on the left hand side

Reducer Left can be used where cable trays have the limitation of run on the right hand side

PSI - Cable Tray accessories are produced with integral connectors for the ease of installation. No external connectors are required.

CONNECTORS

MDT Cable Trays are joined together by straight & flange connectors. Connectors are supplied with one set of M6 x 12 roofing bolt, nut and washer. Load graphs provided in the manual are based on MDT/SC. To be ordered separately.

Flange connectors are provided for extra strength. Flange connectors wrap up the trays from outside and increases the load bearing capacity of the tray. MDT / FC / Finish

HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAY

ORDER PATTERN

To select the required component, please specify the component, width, finish. Angles can be mentioned wherever necessary.

EXAMPLE: For 225 mm wide Cable Tray
HDT / COMPONENT / WIDTH / FINISH (WITHOUT ANGLE)
HDT / CT / 225 / HDG

EXAMPLE: For 225 mm wide Elbow Horizontal
HDT / COMPONENT / WIDTH / ANGLE / FINISH (WITH ANGLE)
HDT / EH / 225 / A / HDG

STANDARD FINISHES

- HDG Hot dip Galvanized to BS EN ISO 1461:1999 (Formerly BS 729)
- PG Pre-galvanized to BS EN 10142 & 10143
- PC Powder Coating to suit clients requirements
- SS Stainless steel finish to required grades

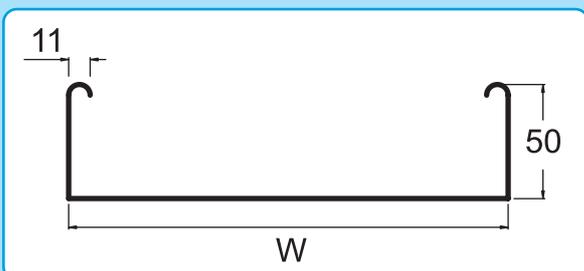
FOR STRAIGHT LENGTHS AND ACCESSORIES

Width (W)	Thickness (T)
All dimensions are in mm	
75 to 150	1.0
225 to 300	1.2
450 to 600	1.5
750 to 900	2.0

PSI - Heavy Duty Inside Return Flange Cable Trays are produced in a standard length of 3 mtrs but can be produced in different lengths on request.

PSI - Heavy Duty Inside Return Flange Cable Tray accessories are produced to standard radius of 300 mm but can be produced in 450 mm, 600mm and 900 mm as required.

Fish Plates are recommended for the trays & accessories above 200mm widths for better load bearing capacity.



HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAY

HDT/ CT / WIDTH / FINISH

HEAVY DUTY INSIDE RETURN FLANGE ELBOW HORIZONTAL - 30°/45°/60°/90°

HDT/ EH / WIDTH / ANGLE / FINISH

HEAVY DUTY INSIDE RETURN FLANGE ADJUSTABLE ELBOW

HDT/ AEH / WIDTH / FINISH

HEAVY DUTY INSIDE RETURN FLANGE TEE HORIZONTAL

HDT/ TH / WIDTH / FINISH

HEAVY DUTY INSIDE RETURN FLANGE UN-EQUAL TEE

HDT / UTH / W1/W2/ W3/ FINISH

HEAVY DUTY INSIDE RETURN FLANGE INTERNAL RISER - 30°/45°/60°/90°

HDT/ IR / WIDTH / ANGLE / FINISH

HEAVY DUTY INSIDE RETURN FLANGE EXTERNAL RISER - 30°/45°/60°/90°

HDT/ ER / WIDTH / ANGLE / FINISH

HEAVY DUTY INSIDE RETURN FLANGE ADJUSTABLE RISER

HDT/ AR / WIDTH / FINISH

HEAVY DUTY INSIDE RETURN FLANGE CROSS HORIZONTAL

HDT/ CH / WIDTH / FINISH

HEAVY DUTY INSIDE RETURN FLANGE REDUCER STRAIGHT

HDT/ RS / W1/ W2 / FINISH

HEAVY DUTY INSIDE RETURN FLANGE REDUCER RIGHT

HDT/ RR / W1/ W2 / FINISH

HEAVY DUTY INSIDE RETURN FLANGE REDUCER LEFT

HDT/ RL / W1/ W2 / FINISH

HEAVY DUTY CONNECTORS

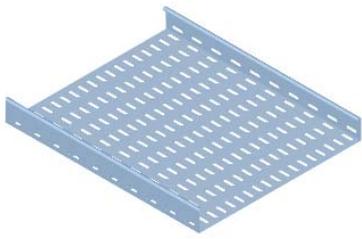
HDT/ SC / FINISH

STRAIGHT / FLANGE CONNECTOR

Width (mm)	Thickness (mm)
75 to 300	1.5
450 to 900	2.0

- Select an appropriate connector to suit your requirements
- Bonding Jumpers are used for the Earthing Connectivity. Refer page 14
- For Cover & Clamp details refer page 12

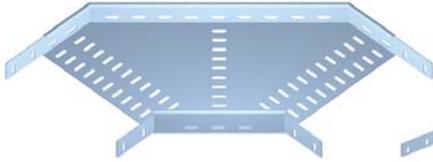
A CABLE MANAGEMENT SYSTEM



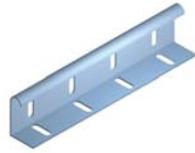
HDT - CABLE TRAY



STRAIGHT CONNECTOR



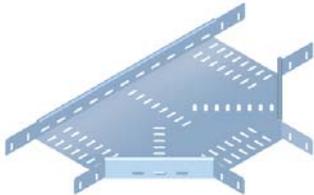
HDT - ELBOW HORIZONTAL



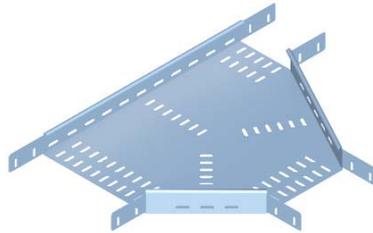
FLANGE CONNECTOR



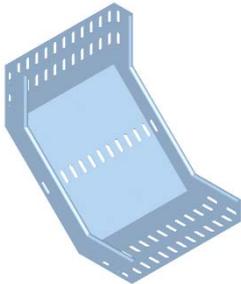
HDT - ADJUSTABLE ELBOW



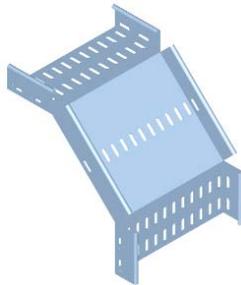
HDT - TEE HORIZONTAL



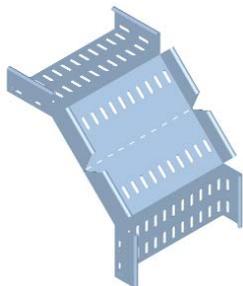
HDT - UNEQUAL TEE



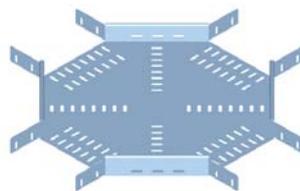
HDT - INTERNAL RISER



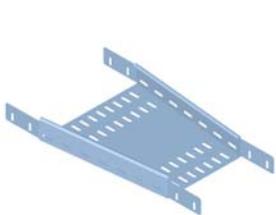
HDT - EXTERNAL RISER



HDT - ADJUSTABLE RISER



HDT - CROSS HORIZONTAL



HDT - REDUCER STRAIGHT



HDT - REDUCER RIGHT



HDT - REDUCER LEFT

For Unequal Elbow, please specify widths W1 & W2 starting from left hand side.

HDT/UEH / W1/ W2/ ANGLE / FINISH

For Unequal Tee, please specify widths in anti-clockwise direction as W1, W2, W3 starting from left hand side.

For Unequal Cross specify the widths as W1,W2,W3,W4 in anti-clockwise direction starting from the top.

HDT / UCH / W1/W2/W3/W4 / FINISH

Extra long Adjustable riser can also be produced on request

HDT/ XLAR / WIDTH / FINISH

For Reducers consider W1 as the larger size & W2 as the smaller size

Reducing Connectors can also be used for reduction depending on the site application.

Thickness for Unequal Tee, Unequal Cross and Reducers to be considered of the larger size of the accessory.

Reducer Right can be used where cable trays have the limitation of run on the left hand side

Reducer Left can be used where cable trays have the limitation of run on the right hand side

PSI - Cable Tray accessories are produced with integral connectors for the ease of installation. No external connectors are required.

CONNECTORS

HDT Cable Trays are joined together by straight & flange connectors. Connectors are supplied with one set of M6 x 12 roofing bolt, nut and washer. Load graphs provided in the manual are based on HDT/SC. To be ordered separately.

Flange connectors are provided for extra strength. Flange connectors wrap up the trays from outside and increases the load bearing capacity of the tray.

EXTRA HEAVY DUTY INSIDE RETURN FLANGE TRAY

ORDER PATTERN

To select the required component, please specify the component, width, finish. Angles can be mentioned wherever necessary.

EXAMPLE: For 450 mm wide Cable Tray
XDT / COMPONENT / WIDTH / FINISH (WITHOUT ANGLE)
XDT / CT / 450 / HDG

EXAMPLE: For 450 mm wide Elbow Horizontal
XDT / COMPONENT / WIDTH / ANGLE / FINISH (WITH ANGLE)
XDT / EH / 450 / A / HDG

STANDARD FINISHES

- HDG Hot dip Galvanized to BS EN ISO 1461:1999 (Formerly BS 729)
- PG Pre-galvanized to BS EN 10142 & 10143
- PC Powder Coating to suit clients requirements
- SS Stainless steel finish to required grades

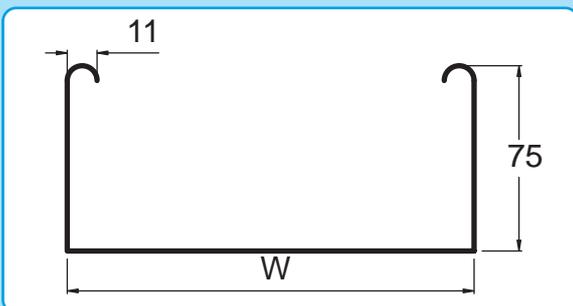
FOR STRAIGHT LENGTHS AND ACCESSORIES

Width (W)	Thickness (T)
All dimensions are in mm	
100 to 300	1.5
450 to 900	2.0

PSI - Extra Heavy Duty Inside Return Flange Cable Trays are produced in a standard length of 3 mtrs but can be produced in different lengths on request.

PSI - Extra Heavy Duty Inside Return Flange Cable Tray accessories are produced to standard radius of 300 mm but can be produced in 450 mm, 600mm and 900 mm as required.

Fish Plates are recommended for the trays & accessories above 200mm widths for better load bearing capacity.



EXTRA HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAY

XDT/ CT / WIDTH / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE ELBOW HORIZONTAL - 30/45/60/90

XDT/ EH / WIDTH / ANGLE / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE ADJUSTABLE ELBOW

XDT/ AEH / WIDTH / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE TEE HORIZONTAL

XDT/ TH / WIDTH / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE UN-EQUAL TEE

XDT / UTH / W1/W2/ W3/ FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE INTERNAL RISER - 30/45/60/90

XDT/ IR / WIDTH / ANGLE / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE EXTERNAL RISER - 30/45/60/90

XDT/ ER / WIDTH / ANGLE / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE ADJUSTABLE RISER

XDT/ AR / WIDTH / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE CROSS HORIZONTAL

XDT/ CH / WIDTH / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE REDUCER STRAIGHT

XDT/ RS / W1/ W2 / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE REDUCER RIGHT

XDT/ RR / W1/ W2 / FINISH

EXTRA HEAVY DUTY INSIDE RETURN FLANGE REDUCER LEFT

XDT/ RL / W1/ W2 / FINISH

EXTRA HEAVY DUTY CONNERTORS

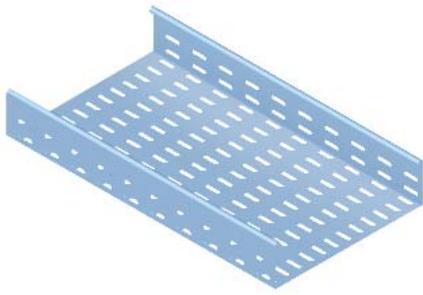
XDT / SC / FINISH

STRAIGHT / FLANGE CONNECTOR

Width (mm)	Thickness (mm)
100 to 300	1.5
450 to 900	2.0

- Select an appropriate connector to suit your requirements
- Bonding Jumpers are used for the Earthing Connectivity. Refer page 14.
- For Cover & Clamp details refer page 12.

A CABLE MANAGEMENT SYSTEM



XDT - CABLE TRAY



STRAIGHT CONNECTOR



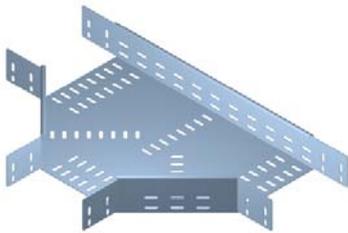
FLANGE CONNECTOR



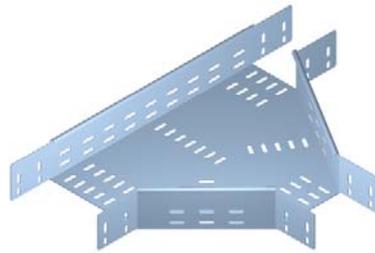
XDT - ELBOW HORIZONTAL



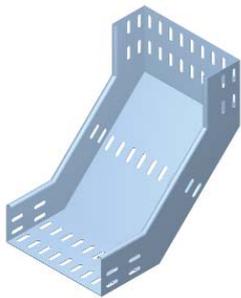
XDT - ADJUSTABLE ELBOW



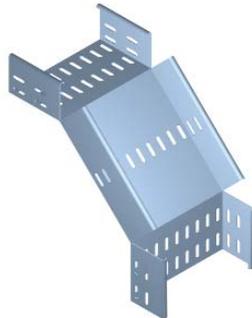
XDT - TEE HORIZONTAL



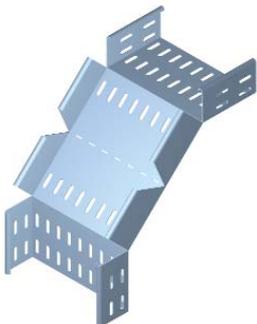
XDT - UNEQUAL TEE



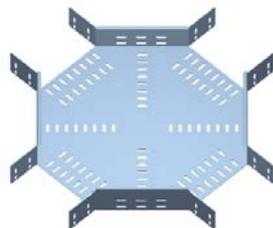
XDT - INTERNAL RISER



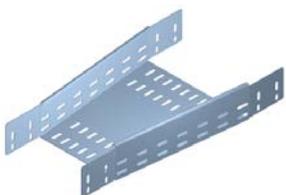
XDT - EXTERNAL RISER



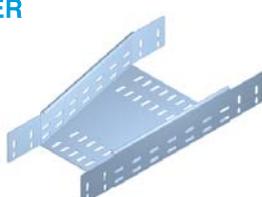
XDT - ADJUSTABLE RISER



XDT - CROSS HORIZONTAL



XDT - REDUCER STRAIGHT



XDT - REDUCER RIGHT



XDT - REDUCER LEFT

For Unequal Elbow, please specify widths W1 & W2 starting from left hand side.

XDT/ UEH / W1/ W2/ ANGLE / FINISH

For Unequal Tee, please specify widths in anti-clockwise direction as W1, W2, W3 starting from left hand side.

For Unequal Cross specify the widths as W1,W2,W3,W4 in anti-clockwise direction starting from the top.

XDT / UCH / W1/W2/W3/W4 / FINISH

Extra long Adjustable riser can also be produced on request.

XDT/ XLAR / WIDTH / FINISH

For Reducers consider W1 as the larger size & W2 as the smaller size.

Reducing Connectors can also be used for reduction depending on the site application.

Thickness for Unequal Tee, Unequal Cross and Reducers to be considered of the larger size of the accessory.

Reducer Right can be used where cable trays have the limitation of run on the left hand side.

Reducer Left can be used where cable trays have the limitation of run on the right hand side.

PSI - Cable Tray accessories are produced with integral connectors for the ease of installation. No external connectors are required.

CONNECTORS

XDT Cable Trays are joined together by straight & flange connectors. Connectors are supplied with one set of M6 x 12 roofing bolt, nut and washer. Load graphs provided in the manual are based on XDT/SC. To be ordered separately.

Flange connectors are provided for extra strength. Flange connectors wrap up the trays from outside and increases the load bearing capacity of the tray. XDT / FC / Finish

CABLE TRAY COVERS

ORDER PATTERN

To select the required cover, please specify the component, width, finish. Angles can be mentioned wherever necessary.

EXAMPLE: For 450 mm wide Cable Tray Ventilated Cover
TYPE / COMPONENT COVER / WIDTH / FINISH (WITHOUT ANGLE)
TYPE / CTVC / 450 / HDG

EXAMPLE: For 450 mm wide Elbow Horizontal Closed Cover
TYPE / COMPONENT COVER / WIDTH / ANGLE / FINISH (WITH ANGLE)
TYPE / EHCC / 450 / A / HDG

STANDARD FINISHES

- HDG Hot dip Galvanized to BS EN ISO 1461:1999 (Formerly BS 729)
- PG Pre-galvanized to BS EN 10142 & 10143
- PC Powder Coating to suit clients requirements
- SS Stainless steel finish to required grades

COVERS FOR STRAIGHT LENGTHS AND ACCESSORIES

Range / Width (W)	Thickness (T)	Side Height (H)
All dimensions are in mm		
50 to 300	1.0	11
450 to 600	1.2	11
750 to 900	1.5	11

VENTILATED COVER CLAMP

Ventilated cover clamp VCC is supplied for Ventilated cover arrangement with the set of M6 x 12 roofing bolt, nut & washer. To be ordered separately.

CLOSED COVER CLAMP

Screw type closed cover clamp CCC is supplied for closed cover arrangement with the set of M6 x 12 roofing bolt, nut & washer. CCC-P is a push type option & requires no bolts. To be ordered separately.

Covers can be used as closed or ventilated by using an appropriate clamps. Necessary holes are provided on the covers for clamping.

Covers can be produced with louvers also on request.

CABLE TRAY CLOSED COVER

TYPE/ CTCC / WIDTH / FINISH

CABLE TRAY VENTILATED COVER

TYPE/ CTVC / WIDTH / FINISH

ELBOW HORIZONTAL CLOSED COVER

TYPE / EHCC / WIDTH / ANGLE / FINISH

ELBOW HORIZONTAL VENTILATED COVER

TYPE / EHVC / WIDTH / ANGLE / FINISH

TEE HORIZONTAL CLOSED COVER

TYPE/ THCC / WIDTH / FINISH

TEE HORIZONTAL VENTILATED COVER

TYPE/ THVC / WIDTH / FINISH

CROSS HORIZONTAL CLOSED COVER

TYPE/ CHCC / WIDTH / FINISH

CROSS HORIZONTAL VENTILATED COVER

TYPE/ CHVC / WIDTH / FINISH

INTERNAL RISER CLOSED COVER

TYPE/ IRCC / WIDTH / ANGLE / FINISH

INTERNAL RISER VENTILATED COVER

TYPE/ IRVC / WIDTH / ANGLE / FINISH

EXTERNAL RISER CLOSED COVER

TYPE/ ERCC / WIDTH / ANGLE / FINISH

EXTERNAL RISER VENTILATED COVER

TYPE/ ERVC / WIDTH / ANGLE / FINISH

UN-EQUAL TEE CLOSED COVER

TYPE/ UTHCC / W1 / W2 / W3 / ANGLE / FINISH

UN-EQUAL TEE VENTILATED COVER

TYPE/ UTHVC / W1 / W2 / W3 / ANGLE / FINISH

REDUCER STRAIGHT CLOSED COVER

TYPE/ RSCC / W1 / W2 / FINISH

REDUCER STRAIGHT VENTILATED COVER

TYPE/ RSVC / W1 / W2 / FINISH

REDUCER RIGHT CLOSED COVER

TYPE/ RRCC / W1 / W2 / FINISH

REDUCER RIGHT VENTILATED COVER

TYPE/ RRVC / W1 / W2 / FINISH

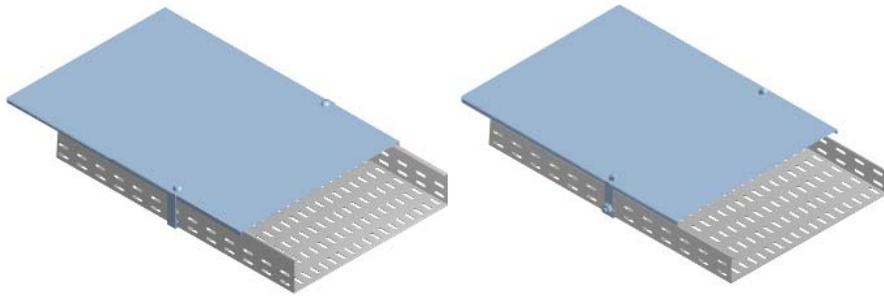
REDUCER LEFT CLOSED COVER

TYPE/ RLCC / W1 / W2 / FINISH

REDUCER LEFT VENTILATED COVER

TYPE/ RLVC / W1 / W2 / FINISH

A CABLE MANAGEMENT SYSTEM

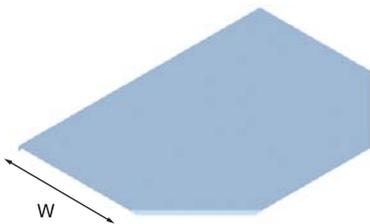


CABLE TRAY CLOSED COVERS

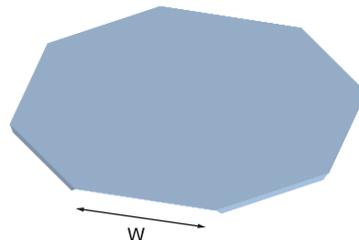
CABLE TRAY VENTILATED COVERS



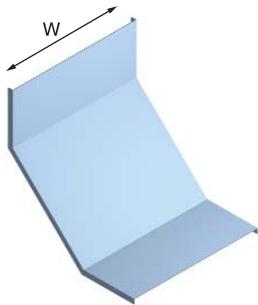
ELBOW HORIZONTAL COVER



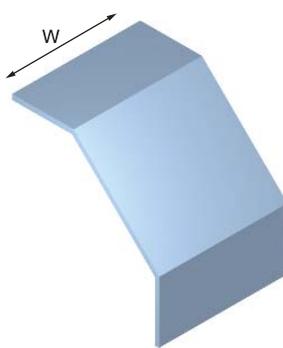
TEE HORIZONTAL COVER



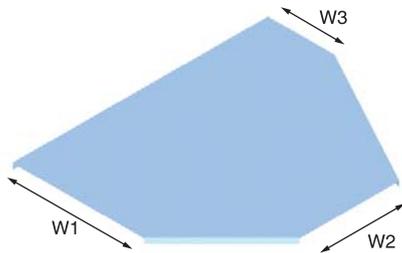
CROSS HORIZONTAL COVER



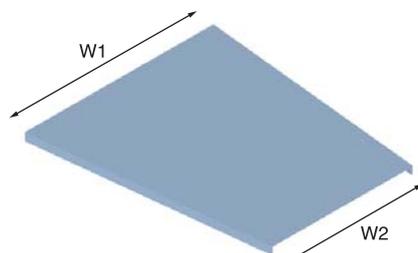
INTERNAL RISER COVER



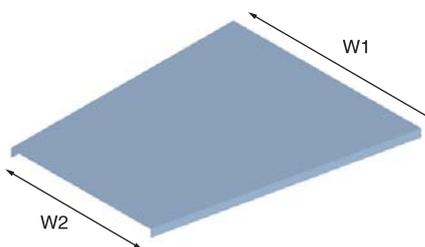
EXTERNAL RISER COVER



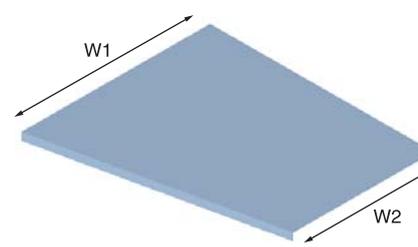
UN-EQUAL TEE COVER



REDUCER STRAIGHT COVER



REDUCER RIGHT COVER



REDUCER LEFT COVER

COVER CLAMPS

TYPE/CCC



Screw type closed cover clamp

TYPE/CCC-P



Push type closed cover clamp

TYPE/VCC



Ventilated cover clamp

For Unequal Elbow Cover, please specify widths W1 & W2 starting from left hand side.

TYPE/ UEHCC / W1/ W2/ ANGLE / FINISH

TYPE/ UEHVC / W1/ W2/ ANGLE / FINISH

For Unequal Cross Cover specify the widths as W1,W2,W3,W4 in anti-clockwise direction starting from the top.

TYPE / UCHCC / W1/W2/W3/W4 / FINISH

TYPE / UCHVC / W1/W2/W3/W4 / FINISH

For Unequal Tee Cover, please specify widths in anti- clockwise direction as W1, W2, W3 starting from left hand side.

Extra long Adjustable Riser Cover can also be produced on request

TYPE / XLARCC / WIDTH / FINISH

TYPE / XLARVC / WIDTH / FINISH

For special sizes, design, consult our sales team.

Light Duty Straight Flange Cable Tray	: LDT
Heavy Duty Straight Flange Cable Tray	: PHDT
Medium Duty Inside Return Flange Cable Tray	: MDT
Heavy Duty Inside Return Flange Cable Tray	: HDT
Extra Heavy Duty Inside Return Flange Cable Tray	: XDT

CABLE TRAY FITTINGS

ORDER PATTERN

To select the required component, please specify the component, type, width & finish.

EXAMPLE: For 450mm wide Box Connector for XDT COMPONENT / TYPE / WIDTH / FINISH

BXC / XDT / 450 / HDG

EXAMPLE: For XDT Barrier Straight COMPONENT / TYPE / WIDTH / FINISH

BS / XDT / HDG

STANDARD FINISHES

HDG Hot dip Galvanized to BS EN ISO 1461:1999 (Formerly BS 729)

PG Pre-galvanized to BS EN 10142 & 10143

PC Powder Coating to suit clients requirements

SS Stainless steel finish to required grades

Cable tray fittings are produced to suit standard and complexed installations of the cable tray system.

For special sizes, gauges, flanges, consult our sales team, factory.

For special design & finishes consult our sales team, factory.

BONDING JUMPER

AREA : 4 mm²

LENGTH : 112 mm from center to center

Bonding Jumper for Cable Tray earthing connectivity is produced from braided tinned copper with M6 copper lugs on both sides. Roofing bolts M6 x 12 , nuts & washers are used for fastening. To be ordered separately.

BLIND END

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

Roofing bolt M6 x 12, nuts and washers are used for fastening.

BLIND END

BE/Type/Width/Finish

REDUCING CONNECTOR

RC/Type/W1-W2/Finish

ADJUSTABLE VERTICAL CONNECTOR

AVC/Type/Finish

BOX CONNECTOR

BXC/Type/Width/Finish

DROP OUT

DOT/Width/Finish

FISH PLATE

FP/Width/Finish

BARRIER STRAIGHT

BS/Type/Finish

HOLD DOWN CLAMP

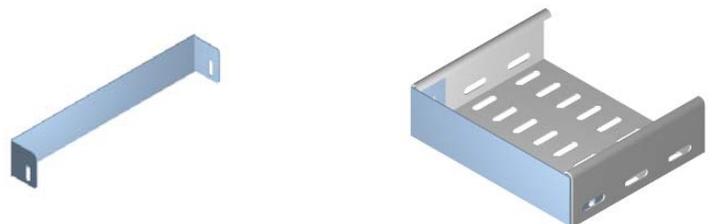
HDC/Type/Finish

BONDING JUMPER

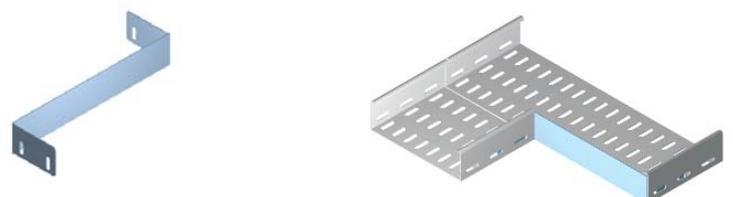
BJT



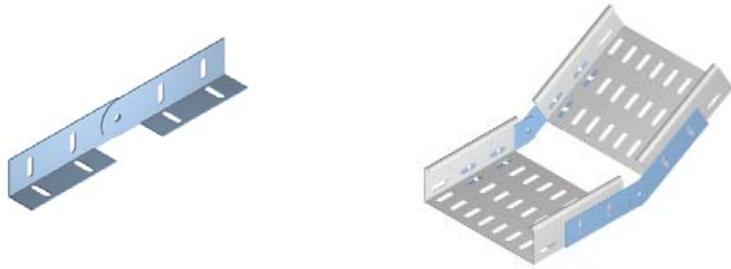
BONDING JUMPER



BLIND END



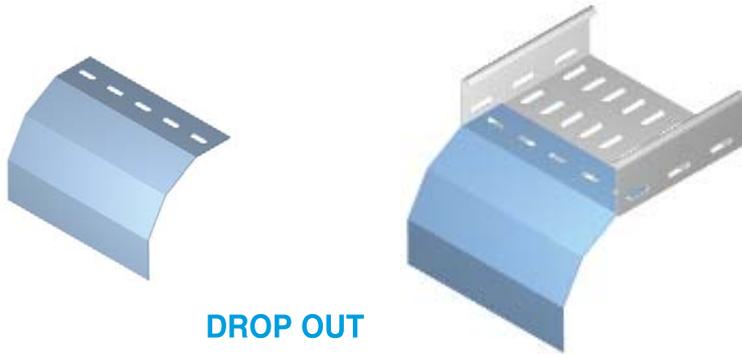
REDUCING CONNECTOR



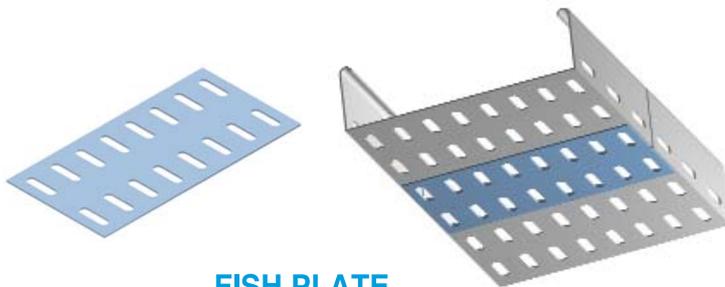
ADJUSTABLE VERTICAL CONNECTOR



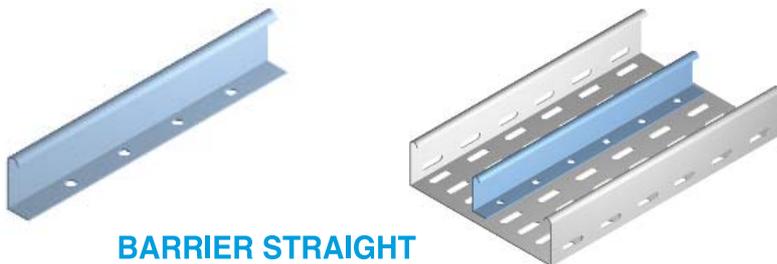
BOX CONNECTOR



DROP OUT



FISH PLATE



BARRIER STRAIGHT



HOLD DOWN CLAMP

REDUCING CONNECTOR

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

Roofing bolt M6 x 12, nuts and washers are used for fastening.

ADJUSTABLE VERTICAL CONNECTOR

Adjustable Vertical Connectors are produced to standard 2mm thickness. Roofing bolt M6 12, nuts and washers are used for fastening.

BOX CONNECTOR

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

Roofing bolt M6 x 12, nuts and washers are used for fastening.

DROP OUT

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

Roofing bolt M6 x 12, nuts and washers are used for fastening.

FISH PLATE

Width (mm)	Thickness (mm)
50 to 300	1.5
450 to 900	2.0

Roofing bolt M6 x 12, nuts and washers are used for fastening.

BARRIER STRAIGHT

All barrier straights are produced to standard length of 3 mtr and 1.5 mm thickness. Roofing bolt M6 x 12, nuts and washers are used for fastening.

HOLD DOWN CLAMP

Hold Down Clamps are produced to standard thickness of 2mm and hexagonal bolt M8 x 20 nuts and washers are used for fastening.

CABLE TRAY LOAD GRAPHS

SAFE WORKING LOADS

The following Loading Charts are to give guidance on maximum safe working loads when using Cable Ladders & Trays (installed horizontally) produced by PSI. They are published in accordance with the requirements of the industry standard BS EN 61537:2001. Load tests simulated the conditions of a multiple span of at least 4 spans with the end spans reduced to 75% of the intermediate spans.

The graphical presentation links established maximum safe working loads at specified intermediate spans.

Loads below the drawn line are SAFE - loads above the drawn line are UNSAFE.

When using this information the installer should take into account:

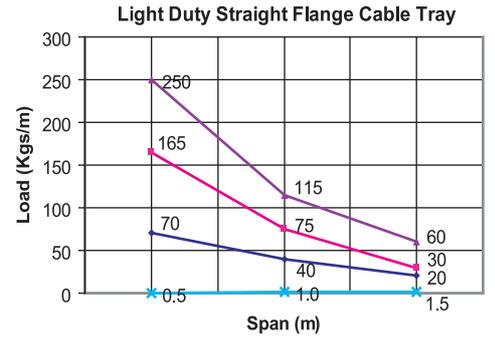
1. The guidance offered in our presentation of system design considerations should be studied
2. Loading is assumed to be uniformly distributed. If point loads are imposed or the installation is less than 4 spans our technical department should be consulted.
3. The graphs should not be extrapolated to shorter or longer spans than those shown.
4. The installer should be satisfied that supports are of adequate strength and that all connections are fully tightened
5. The loading information is given in good faith based on tests carried out with PSI products. However, PSI cannot be held responsible for a variation in performance of this product range.

WARNING!

PSI CABLE TRAYS & LADDERS ARE PART OF A CABLE MANAGEMENT SYSTEM. THEY SHOULD NEVER BE USED FOR OTHER STRUCTURAL PURPOSES AND MUST NOT BE USED AS WALKWAYS BY INSTALLATION OR MAINTENANCE PERSONNEL.

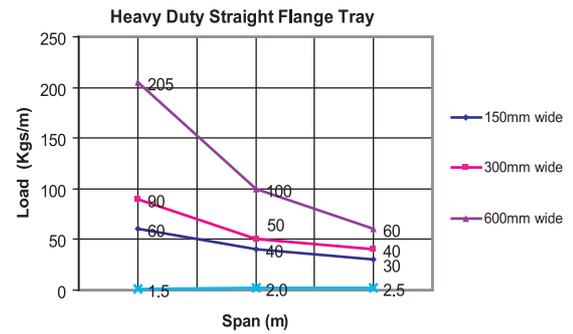
LDT

150	600	900	Span - between supports (m)
Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	
70	165	250	0.5
40	75	115	1.0
20	30	60	1.5



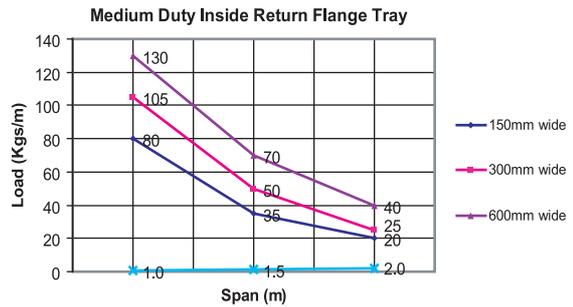
PHDT

150	300	600	Span - between supports (m)
Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	
60	90	205	1.5
40	50	100	2.0
30	40	60	2.5



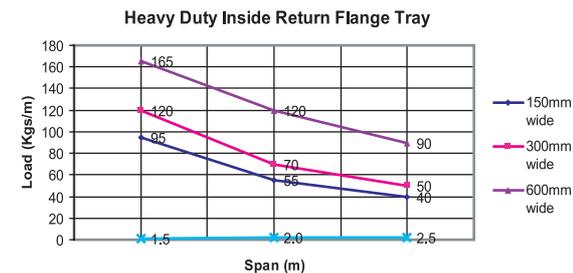
MDT

150	300	600	Span - between supports (m)
Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	
80	105	130	1.0
35	50	70	1.5
20	25	40	2.0



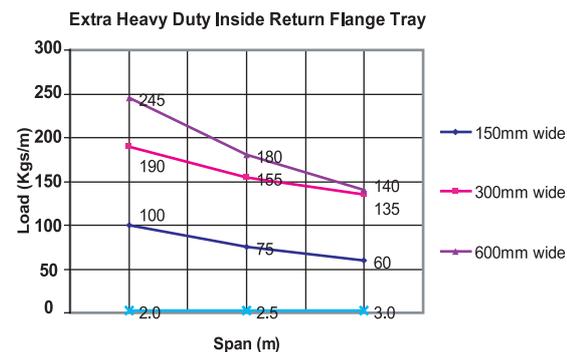
HDT

150	300	600	Span - between supports (m)
Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	
95	120	165	1.5
55	70	120	2.0
40	50	90	2.5



XDT

150	300	600	Span - between supports (m)
Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	Uniformly Distributed Load (Kgs/m)	
100	190	245	2.0
75	155	180	2.5
60	135	140	3.0

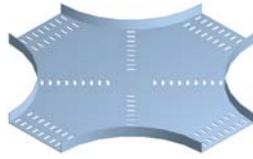


ROUND RADIAL ACCESSORIES

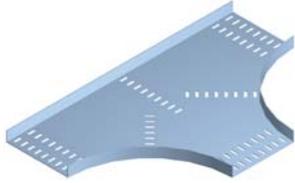
LIGHT DUTY STRAIGHT FLANGE CABLE TRAYS ROUND RADIAL ACCESSORIES



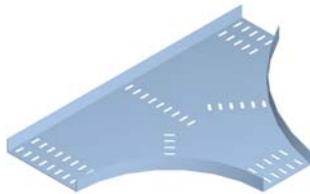
LDT - ELBOW HORIZONTAL



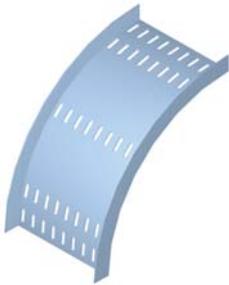
LDT - CROSS HORIZONTAL



LDT - TEE HORIZONTAL



LDT - UN EQUAL TEE HORIZONTAL



LDT - EXTERNAL RISER



LDT - INTERNAL RISER

LDT - ELBOW HORIZONTAL - 30° / 45° / 60° / 90°

LDT/ EHR / WIDTH / ANGLE / FINISH

LDT - UNEQUAL ELBOW HORIZONTAL - 30° / 45° / 60° / 90°

LDT / UEHR / W1/ W2 / ANGLE / FINISH

LDT - TEE HORIZONTAL

LDT / THR / WIDTH / FINISH

LDT - UN EQUAL TEE HORIZONTAL

LDT / UTHR / W1 / W2 / W3 / FINISH

LDT - INTERNAL RISER - 30° / 45° / 60° / 90°

LDT / IRR / WIDTH / ANGLE / FINISH

LDT - EXTERNAL RISER - 30° / 45° / 60° / 90°

LDT / ERR / WIDTH / ANGLE / FINISH

LDT - CROSS HORIZONTAL

LDT / CHR / WIDTH / FINISH

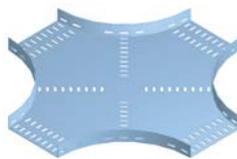
LDT - UNEQUAL CROSS HORIZONTAL

LDT / UCHR / W1/ W2 / W3/ W4 / FINISH

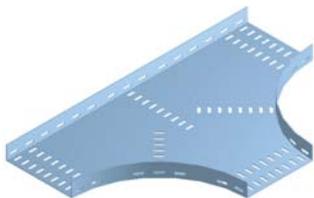
HEAVY DUTY STRAIGHT FLANGE CABLE TRAYS ROUND RADIAL ACCESSORIES



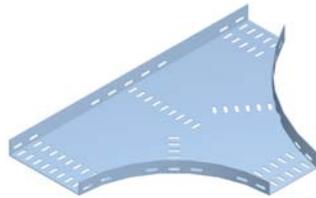
PHDT - ELBOW HORIZONTAL



PHDT - CROSS HORIZONTAL



PHDT - TEE HORIZONTAL



PHDT - UN EQUAL TEE HORIZONTAL



PHDT - EXTERNAL RISER



PHDT - INTERNAL RISER

PHDT - ELBOW HORIZONTAL 30° / 45° / 60° / 90°

PHDT / EHR / WIDTH / ANGLE / FINISH

PHDT UNEQUAL ELBOW - 30° / 45° / 60° / 90°

PHDT / UEHR / W1 / W2 / ANGLE / FINISH

PHDT - TEE HORIZONTAL

PHDT / THR / WIDTH / FINISH

PHDT - UN EQUAL TEE HORIZONTAL

PHDT / UTHR / W1 / W2 / W3 / FINISH

PHDT - INTERNAL RISER - 30° / 45° / 60° / 90°

PHDT / IRR / WIDTH / ANGLE / FINISH

PHDT - EXTERNAL RISER - 30° / 45° / 60° / 90°

PHDT / ERR / WIDTH / ANGLE / FINISH

PHDT - CROSS HORIZONTAL

PHDT / CHR / WIDTH / FINISH

LDT - UNEQUAL CROSS HORIZONTAL

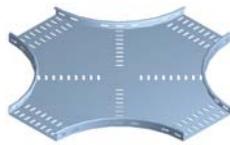
LDT / UCHR / W1 / W2 / W3 / W4 / FINISH

ROUND RADIAL ACCESSORIES

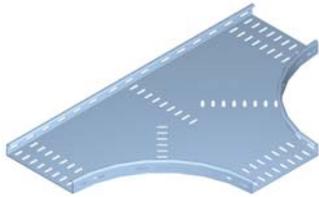
MEDIUM DUTY INSIDE RETURN FLANGE CABLE TRAYS ROUND RADIAL ACCESSORIES



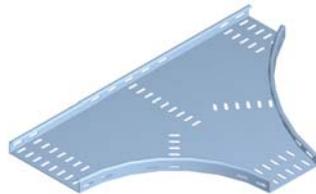
MDT - ELBOW HORIZONTAL



MDT - CROSS HORIZONTAL



MDT - TEE HORIZONTAL



MDT - UN EQUAL TEE
HORIZONTAL



MDT - EXTERNAL RISER



MDT - INTERNAL RISER

MDT - ELBOW HORIZONTAL 30° / 45° / 60° / 90°

MDT / EHR / WIDTH / ANGLE / FINISH

MDT UNEQUAL ELBOW - 30° / 45° / 60° / 90°

MDT / UEHR / W1 / W2 / ANGLE / FINISH

MDT - TEE HORIZONTAL

MDT / THR / WIDTH / FINISH

MDT - UN EQUAL TEE HORIZONTAL

MDT / UTHR / W1 / W2 / W3 / FINISH

MDT - INTERNAL RISER - 30° / 45° / 60° / 90°

MDT / IRR / WIDTH / ANGLE / FINISH

MDT - EXTERNAL RISER - 30° / 45° / 60° / 90°

MDT / ERR / WIDTH / ANGLE / FINISH

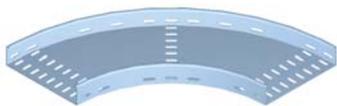
MDT - CROSS HORIZONTAL

MDT / CHR / WIDTH / FINISH

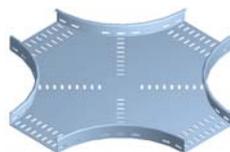
MDT - UNEQUAL CROSS HORIZONTAL

MDT / UCHR / W1 / W2 / W3 / W4 / FINISH

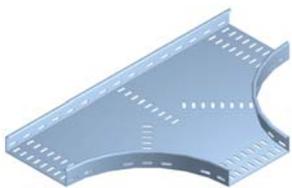
HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAYS ROUND RADIAL ACCESSORIES



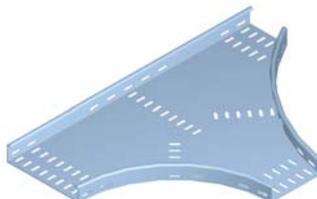
HDT - ELBOW HORIZONTAL



HDT - CROSS HORIZONTAL



HDT - TEE HORIZONTAL



HDT - UN EQUAL TEE
HORIZONTAL



HDT - EXTERNAL RISER



HDT - INTERNAL RISER

HDT - ELBOW HORIZONTAL 30° / 45° / 60° / 90°

HDT / EHR / WIDTH / ANGLE / FINISH

HDT - UNEQUAL ELBOW - 30° / 45° / 60° / 90°

HDT / UEHR / W1 / W2 / ANGLE / FINISH

HDT - TEE HORIZONTAL

HDT / THR / WIDTH / FINISH

HDT - UN EQUAL TEE HORIZONTAL

HDT / UTHR / W1 / W2 / W3 / FINISH

HDT - INTERNAL RISER - 30° / 45° / 60° / 90°

HDT / IRR / 75 / ANGLE / FINISH

HDT - EXTERNAL RISER - 30° / 45° / 60° / 90°

HDT / ERR / WIDTH / ANGLE / FINISH

HDT - CROSS HORIZONTAL

HDT / CHR / WIDTH / FINISH

HDT- UNEQUAL CROSS HORIZONTAL

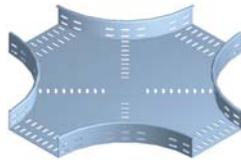
HDT / UCHR / W1 / W2 / W3 / W4 / FINISH

ROUND RADIAL ACCESSORIES

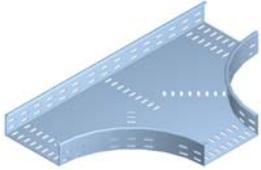
EXTRA HEAVY DUTY INSIDE RETURN FLANGE CABLE TRAYS ROUND RADIAL ACCESSORIES



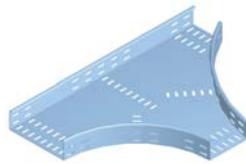
LDT - CROSS HORIZONTAL



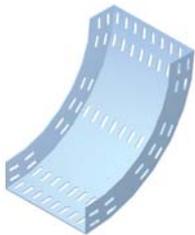
XDT - CROSS HORIZONTAL



XDT - TEE HORIZONTAL



XDT - UN EQUAL TEE
HORIZONTAL



XDT - INTERNAL RISER



XDT - EXTERNAL RISER

XDT - ELBOW HORIZONTAL 30° / 45° / 60° / 90°

XDT / EHR / WIDTH / ANGLE / FINISH

XDT - UNEQUAL ELBOW - 30° / 45° / 60° / 90°

XDT / UEHR / W1 / W2 / ANGLE / FINISH

XDT - TEE HORIZONTAL

XDT / THR / WIDTH / FINISH

XDT - UN EQUAL TEE HORIZONTAL

XDT / UTHR / W1 / W2 / W3 / FINISH

XDT - INTERNAL RISER - 30° / 45° / 60° / 90°

XDT / IRR / WIDTH / ANGLE / FINISH

XDT - EXTERNAL RISER - 30° / 45° / 60° / 90°

XDT / ERR / WIDTH / ANGLE / FINISH

XDT - CROSS HORIZONTAL

XDT / CHR / WIDTH / FINISH

XDT - UNEQUAL CROSS HORIZONTAL

XDT / UCHR / W1 / W2 / W3 / W4 / FINISH



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POWER SOLUTION INDUSTRIES LLC

Dubai

P.O Box 113403, Dubai, UAE,
Tel: 00971-4-3331988, Fax: 00971-4-3331989

Riyadh

P.O Box 245458, Riyadh 11312, K.S.A
Tel: 00966-1-2422511, Fax: 00966-1-2445080

E-mail: sales@powersolutionme.com
www.powersolutionme.com