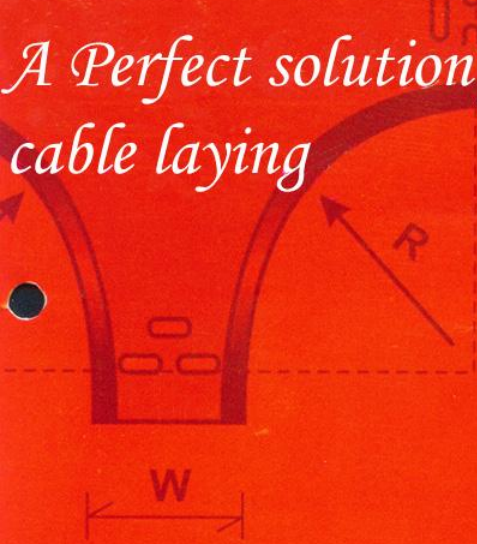




# Premier Cable Trays

*A Perfect solution for your  
cable laying*



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## **MADHUR ENGINEERING WORKS**

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Plot No.224 B, Sector C, Urla Industrial Complex, Raipur 493 221 (C.G.)

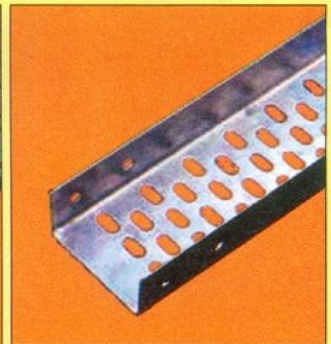
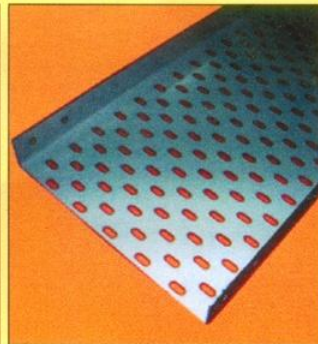
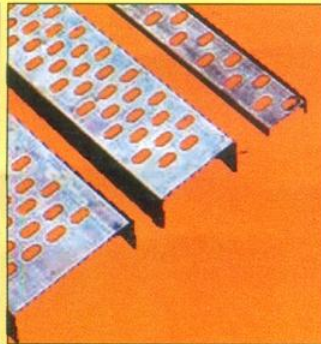
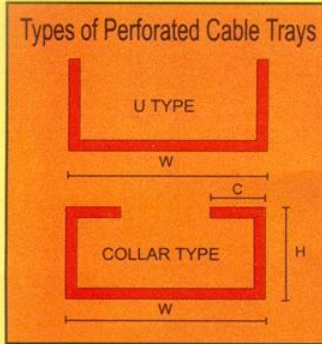
Tel. : 0771-2324175, 4050653 (O), Fax : 0771 - 2322069

E-mail : [info@madhurengineering.com](mailto:info@madhurengineering.com)

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# PERFORATED TYPE CABLE TRAYS (PTCT)



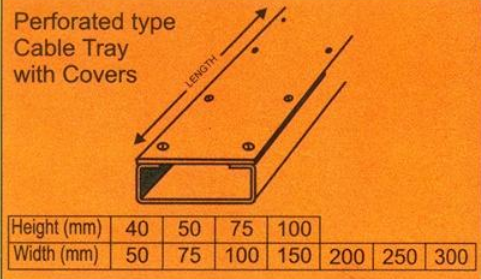
Perforated Type Cable Trays (PTCT) are used for instrumentation, control as well as power cables. This type of cable trays provide ventilation and at the same time protecting the cables.

PTCTs are fabricated out of :

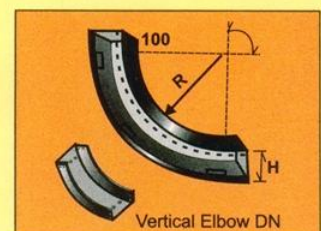
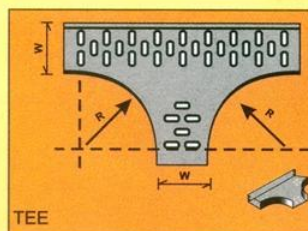
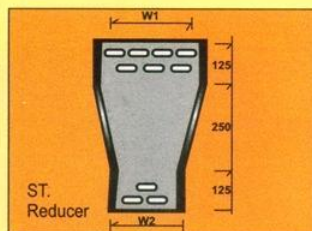
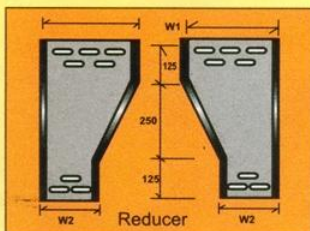
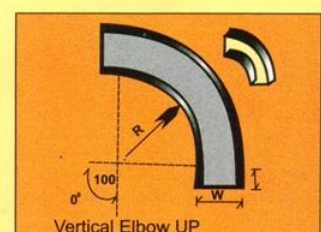
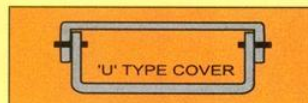
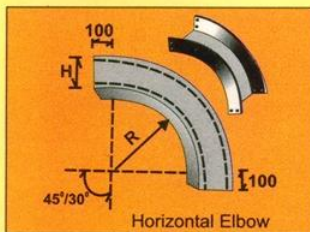
Mild steel conforming to I.S. 1079 : 1994/ I.S. 513 : 1994,

Aluminum conforming to IS 737 : 1986

Stainless Steel conforming to grade 304 & 316.

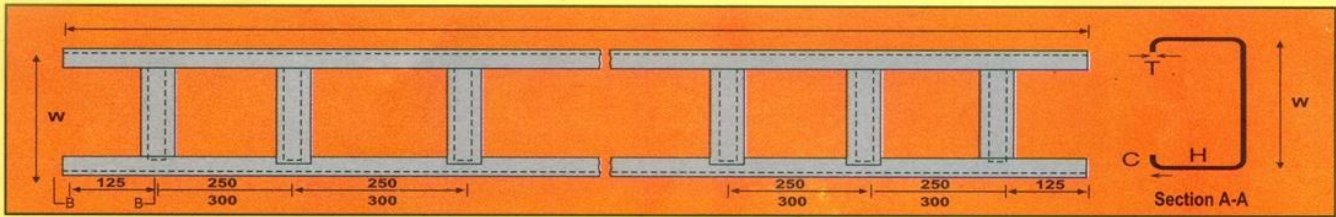


Perforation Details	Tray Width (W)	Tray Height (H)	Tray Collar (C)	Tray Length (L)	Thickness (T)	Types of Raw Material	Finish
Slot size: 20 x 10mm	50mm to 1000mm.	20mm to 100mm	15mm to 25mm	2500mm	1.25mm to 2.0mm	Mild steel (M.S) or Aluminum (Al) or Stainless Steel (S.S)	◇ Hot dip Galvanized
Width wise: 10mm gap.							◇ Pre Galvanized Sheet (GI)
Length wise: 20,30 c/c gap							◇ Powder Coated ◇ Enamel Painted

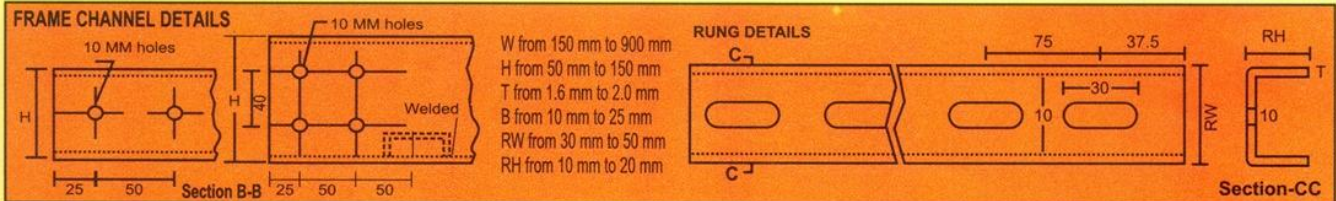




# LADDER TYPE CABLE TRAYS (LTCT)



LADDER TYPE CABLE TRAY



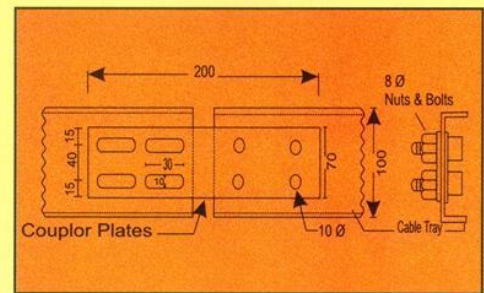
Ladder Type Cable Tray (LTCT) provides maximum ventilation and load carrying strength. Used in applications with intermediate support with long spans, for power & control cables.

LTCTs are fabricated out of :

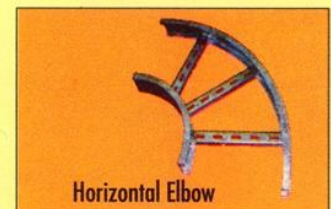
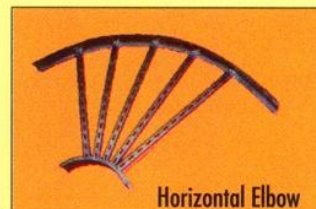
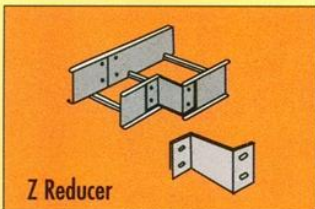
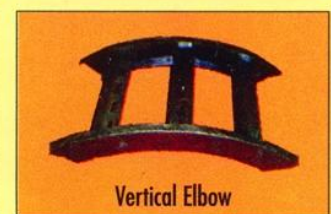
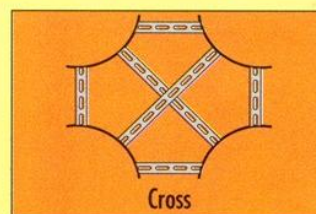
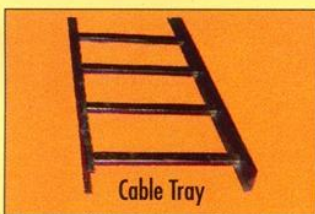
Mild steel conforming to I.S. 1079; 1994/ I.S. 513; 1994,

Aluminium conforming to IS 737 : 1986

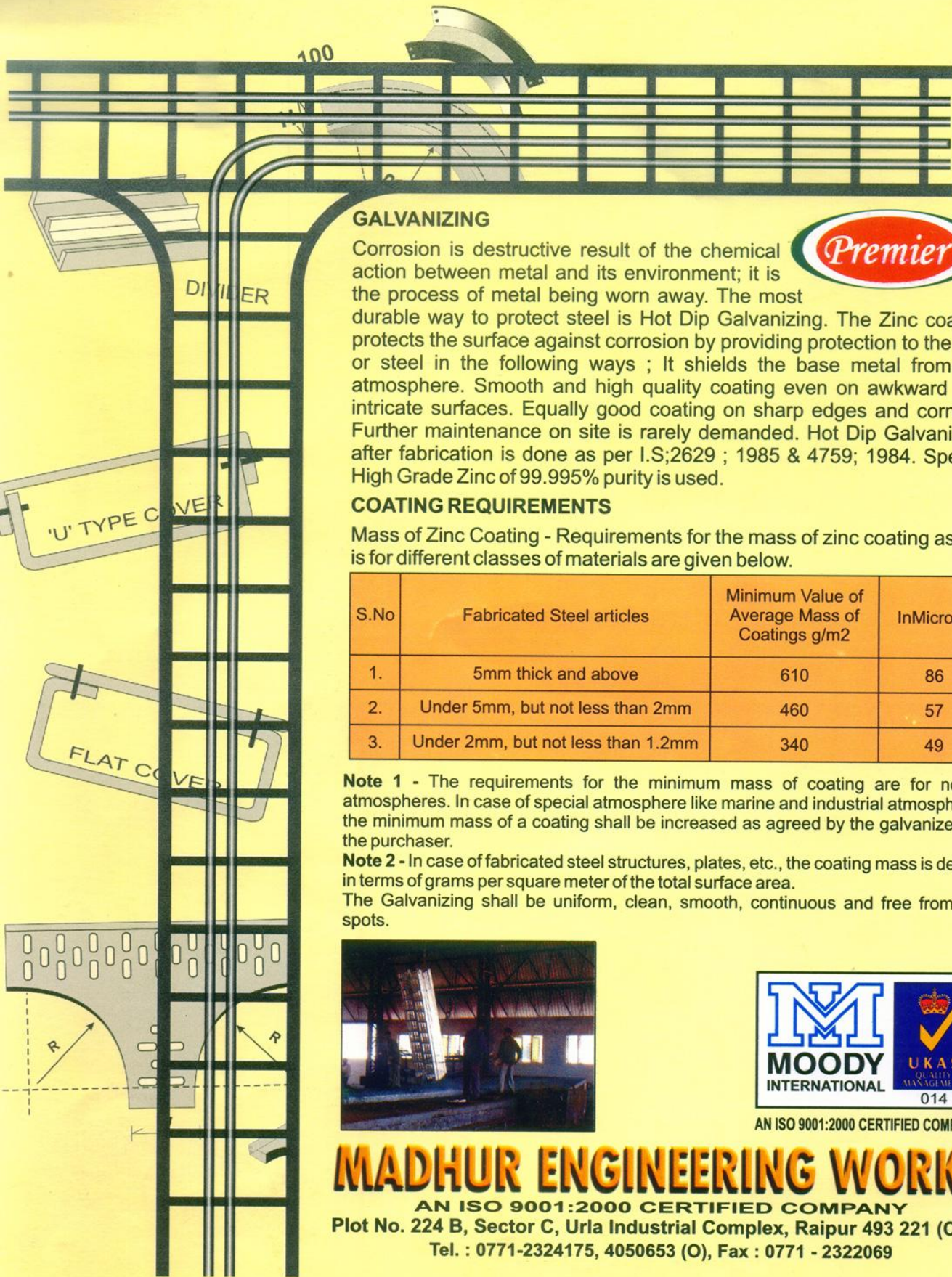
Stainless Steel conforming to grade 304 & 316



Tray Width (W)	Frame Channel (H)	Collar (C)	Tray Length (L)	Thickness (T)	Rung Slot Size	Rung Size	Rungs Interval	Finish
150mm to 1000mm	50mm to 120mm	15mm to 45mm	2500mm	1.6mm to 2.0mm	30x10mm With spacing 10mm/15mm gap	35x15mm 35x20mm 50x20mm	250mm or 300mm	<ul style="list-style-type: none"> <li>◆ Hot dip Galvanized</li> <li>◆ Powder Coated</li> <li>◆ Enamel Painted</li> </ul>



Radius :	Types of Bends :	Degrees :
300/450/600/1000 mm or as per the choice of customers.	Horizontal, Vertical (Inside/Outside), Tees (Equal & Un-equal), Crosses, Reducers.	30, 45, 60, 90 for Bends.



## GALVANIZING

Corrosion is destructive result of the chemical action between metal and its environment; it is the process of metal being worn away. The most durable way to protect steel is Hot Dip Galvanizing. The Zinc coating protects the surface against corrosion by providing protection to the iron or steel in the following ways ; It shields the base metal from the atmosphere. Smooth and high quality coating even on awkward and intricate surfaces. Equally good coating on sharp edges and corners. Further maintenance on site is rarely demanded. Hot Dip Galvanizing after fabrication is done as per I.S;2629 ; 1985 & 4759; 1984. Special High Grade Zinc of 99.995% purity is used.



## COATING REQUIREMENTS

Mass of Zinc Coating - Requirements for the mass of zinc coating as per is for different classes of materials are given below.

S.No	Fabricated Steel articles	Minimum Value of Average Mass of Coatings g/m <sup>2</sup>	InMicrons
1.	5mm thick and above	610	86
2.	Under 5mm, but not less than 2mm	460	57
3.	Under 2mm, but not less than 1.2mm	340	49

**Note 1** - The requirements for the minimum mass of coating are for normal atmospheres. In case of special atmosphere like marine and industrial atmospheres, the minimum mass of a coating shall be increased as agreed by the galvanizer and the purchaser.

**Note 2** - In case of fabricated steel structures, plates, etc., the coating mass is defined in terms of grams per square meter of the total surface area. The Galvanizing shall be uniform, clean, smooth, continuous and free from acid spots.



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