



## **VNS CABLE SUPPORT SYSTEMS.**

VNS, A total solution in cable support system, provides a wide range in Cable Trays, Ladders & Metal Trunkings which are designed to meet the needs of Wiring Installations at sites.

VNS Cable Support System is designed & manufactured under strict quality control by using the latest fully automated machines with the state of art Powder Coating & Hot dipped Galvanizing which makes the products at the highest quality to meet the relevant International Standards such as BS 4678:Part1:1971 & IEC 61084. The Accessories of the Cable Support Systems makes the system completely Interchangeable & ensure fast & easy Installations at sites.

VNS uses the highest quality of Galvanized Iron Steel with Hot dipped galvanizing which ensures the strength and protection from the corrosion. For the Cable Support System which are powder coated, The High grade Polyester powder coating with minimum of 50 micron thickness is applied to ensure the protection against the corrosion.

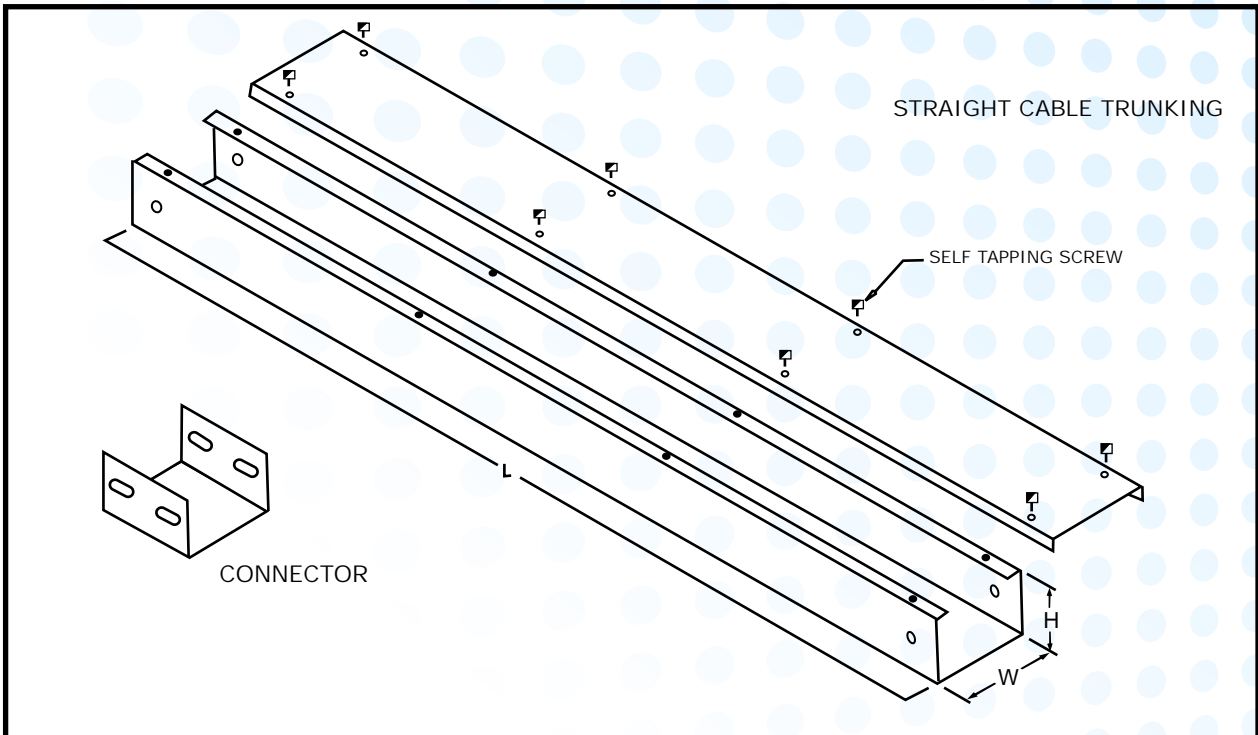
VNS offers the wide range of material to suite the site conditions & ensures that all the material used conforms to relevant International Standards. The Material for options are,

1. Galvanised Iron Steel
2. Cold Rolled Steel
3. Hot Rolled Steel
4. Stainless Steel
5. Aluminium

The Colour & Finishes options for Material

1. White Colour : Pattern – Glossy, Matt or Structure
  2. Grey Colour : Pattern – Glossy, Matt or Structure
  3. Orange Colour : Pattern – Glossy, Matt or Structure
  4. Biege Colour : Pattern – Glossy, Matt or Structure
  5. Blue Colour : Pattern – Glossy, Matt or Structure
  6. Black Colour : Pattern – Glossy, Matt or Structure
  7. Hot Dipped Galvanising
- \*\* Other Colours available on request.

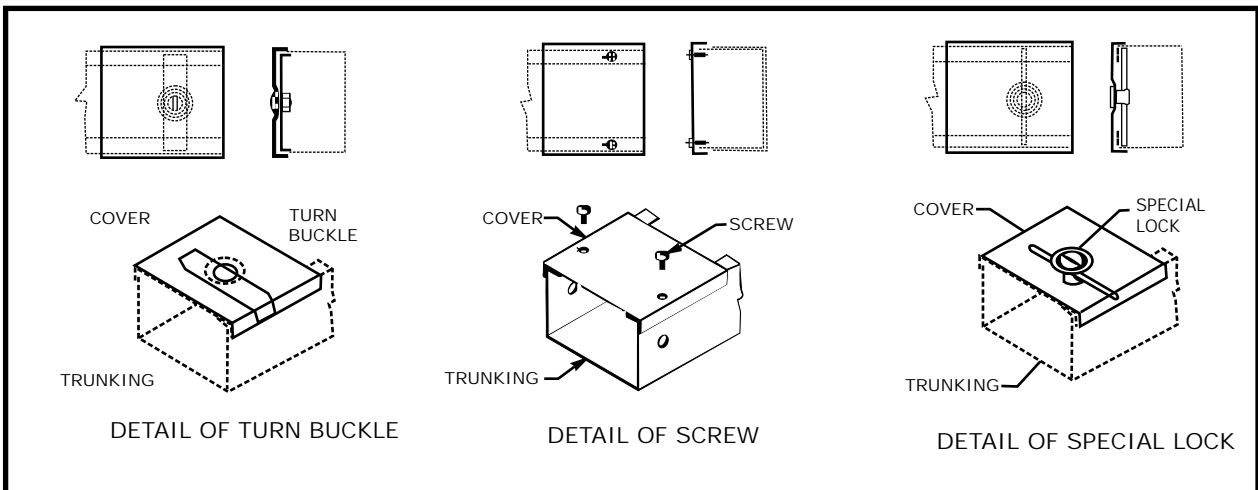
# CABLE TRUNKING & ACCESSORIES



## MATERIAL & FINISHING

- 1 Galvanised Iron to BS2989 : 1982 & Original Finishing
- 2 Hot Roll Steel to JISG 3131 SPHC & HDG to BS729 : 1971 or ASTM A123
- 3 Mild Steel to JISG 3131 SPHC & Epoxy Coated
- 4 Hot Roll Steel to BS149 : Part 1 : 1983 & HDG to BS729 : 1971 or ASTM A123 & Epoxy

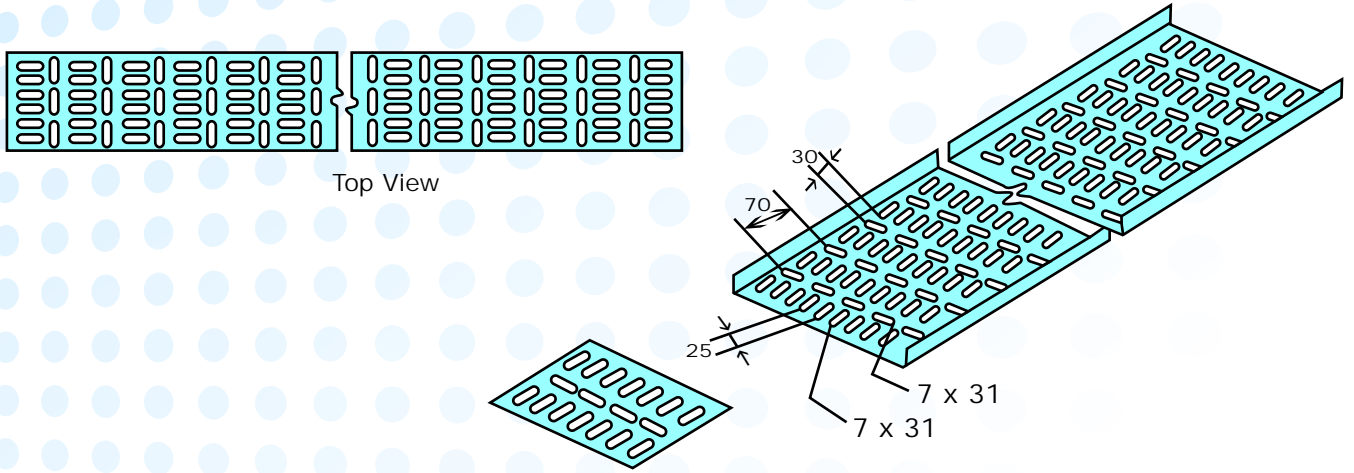
PRODUCT STANDARD LIST			
Width (W)	High (H)	Width (W)	Thickness
50	25 - 50	2500	1.5 mm
75	50 - 75	2500	1.5 mm
100	50 - 100	2500	1.5 mm
150	50 - 100	2500	1.5 mm
200	100	2500	1.5 mm
250	100	2500	1.5 mm
300	100	2500	1.5 mm
450	100	2500	1.5 mm



\* Units in mm

Other sizes are available on request.

# STRAIGHT EDGE PERFORATED CABLE TRAY (CTS)



## RECOMMENDED MATERIAL AND TYPE OF FINISHING

Materials	Types of Finishing
Galvanised Iron BS EN 10143:1993	Original finish / Hot Dipped Galvanised
CR (Cold rolled steel) BS 1449:Part1:1991 or JIS G3141	Epoxy powder coated or hot-dip galvanised after fabrication to BS EN ISO 1461:1999
Stainless Steel Grade AISI 304, 316 or 316L	Original finish

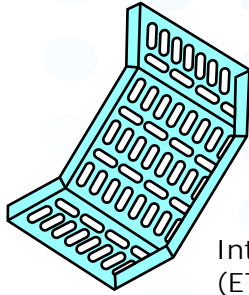
## STANDARD SIZES OF EPOXY POWDER COATED & HOT-DIP GALVANISED CABLE TRAY

Width (mm) (W)	Thickness							Flange height (mm)
	0.6mm	0.8mm	1.0mm	1.2mm	1.4mm	1.6mm	2.0mm	
50	Yellow	Yellow	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	12
75	Yellow	Yellow	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	12
100	Yellow	Yellow	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	15
150	Yellow	Yellow	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	15
200	White	Yellow	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	20
250	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	20
300	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	25
350	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	25
400	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	25
450	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	25
500	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	25
550	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	25
600	White	White	Diagonal	Diagonal	Diagonal	Diagonal	Diagonal	30
750	White	White	White	White	White	Diagonal	Diagonal	30
800	White	White	White	White	White	White	Diagonal	30
900	White	White	White	White	White	White	White	30
1000	White	White	White	White	White	White	White	30

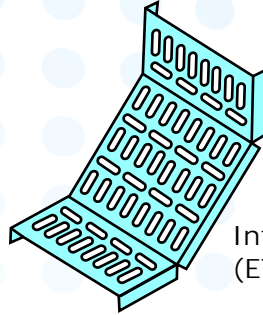
Indication of the gauge of Epoxy powder coated materials
  Indication of the gauge of Hot-dip galvanised materials

# CABLE TRAY & ACCESSORIES

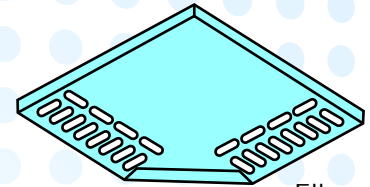
## STRAIGHT EDGE PERFORATED CABLE TRAY ACCESSORIES



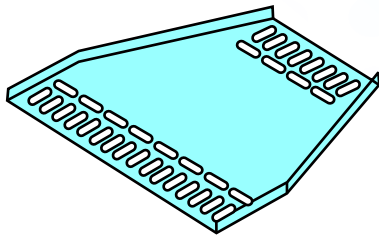
Internal Riser (ETIR)



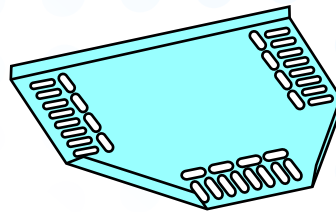
Internal Riser (ETER)



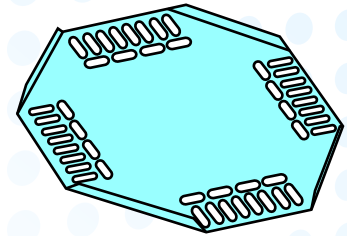
Elbow (ETFE)



Reducer (ETR)



Tee (ETET)



Cross (ETEC)

## INSTRUCTION FOR REFERENCE NUMBER, EXAMPLE :

**CTS / 50 / T1.2 / 2BLU**

CTS - Straight Edge Perforated  
 CTMD - Medium Perforated  
 HD - Heavy Duty Perforated

Size (width) - 50 mm

Gauge - T1.2  
 (Thickness)

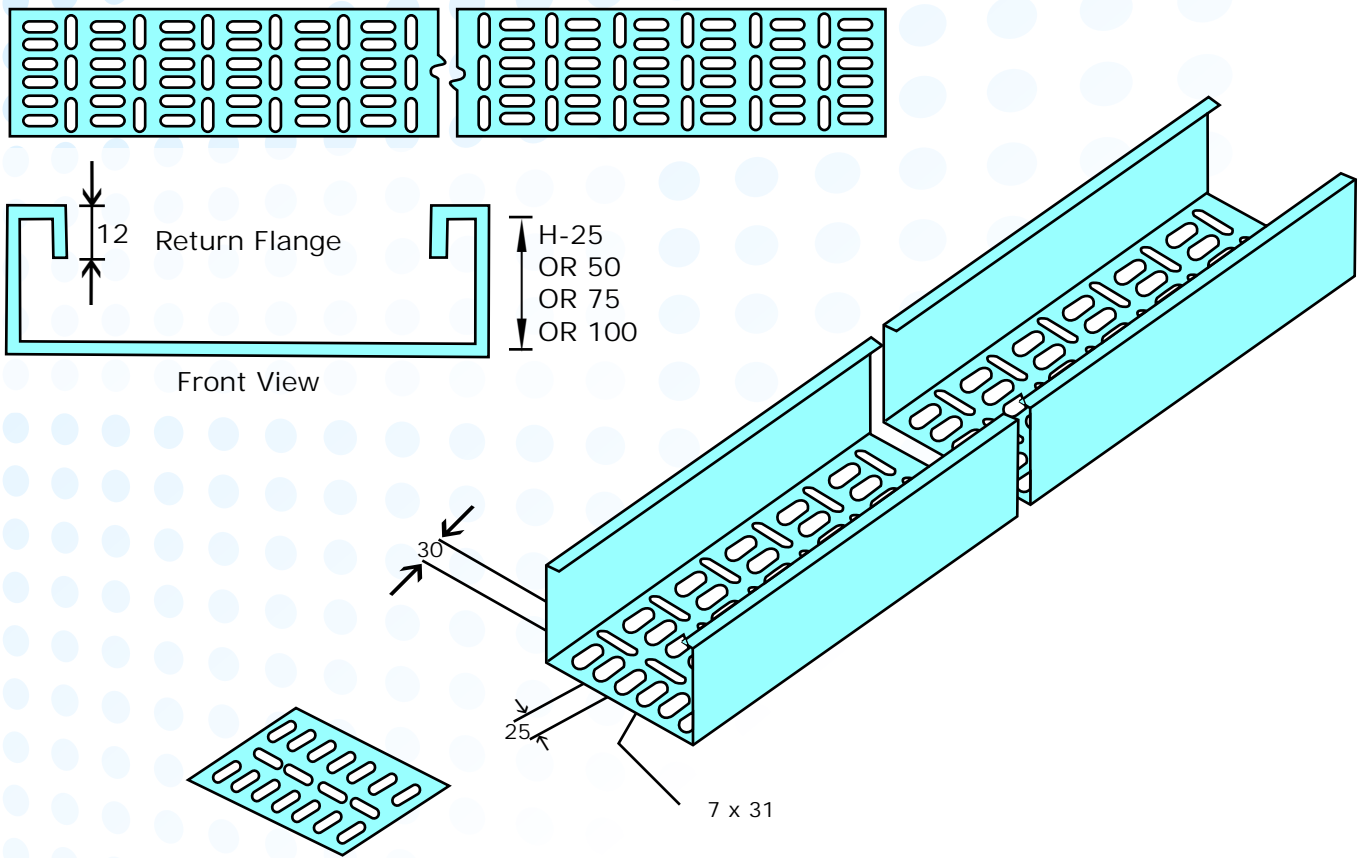
Finished & Material  
 1 - Galvanised iron (Original finish)  
 2 - CR (Epoxy powder coated or hot-dip galvanised)  
 3 - Stainless Steel (Original finish)

### COLOURS

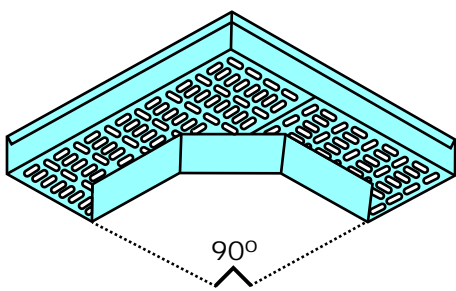
WHI - White	GRY - Grey
ORG - Orange	GEN - Green
BLU - Blue	BLK - Black
RED - Red	HDG - Hot Dip Galvanised
IB - Ivory Beige	

\* Non standard colours available on request

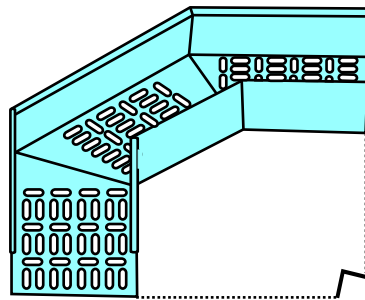
# MEDIUM/HEAVY DUTY 'C' FLANGE PERFORATED CABLE TRAY (CTMD/CTHD)



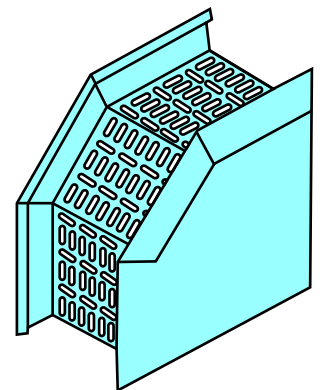
## 'C' FLANGE PERFORATED CABLE TRAY ACCESSORIES



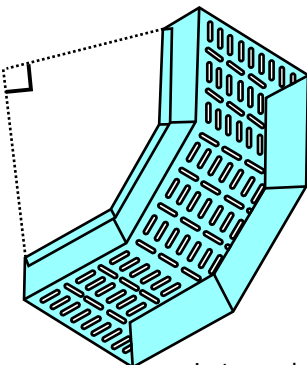
90° Bend



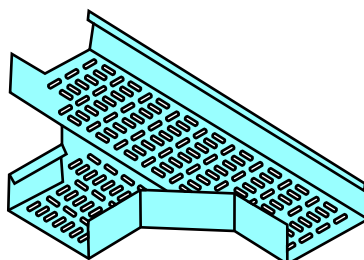
90° Elbow



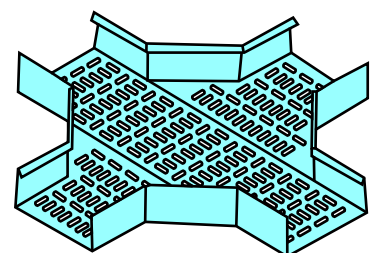
External Riser



Internal Riser

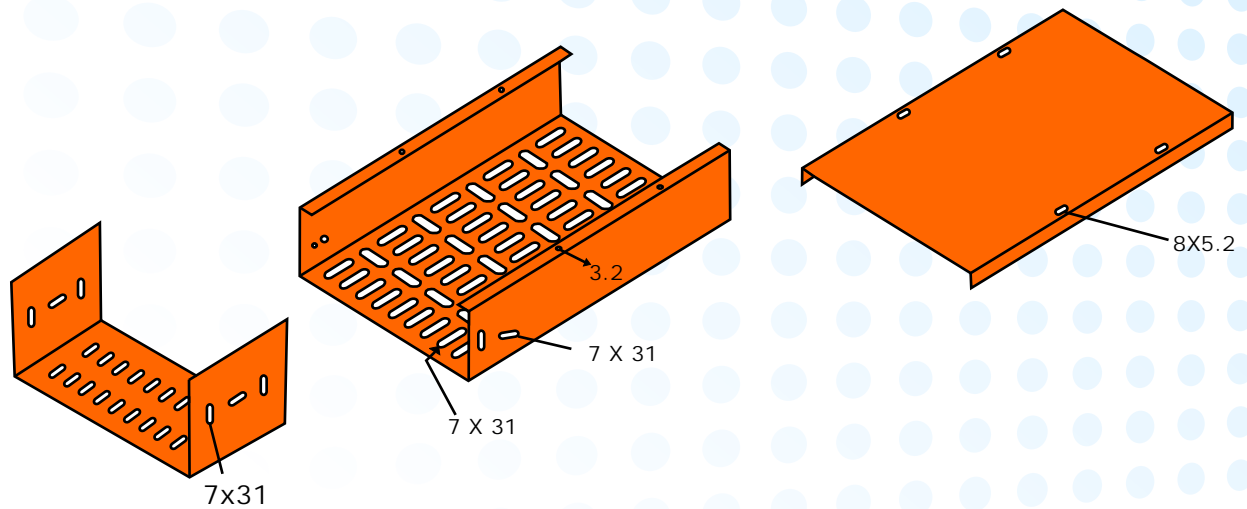


Tee



Cross

# ROUGH TYPE PERFORATED CABLE TRAY (WITH COVER)CTRC



## RECOMMENDED MATERIAL AND TYPE OF FINISHING

Materials	Types of Finishing
Galvanised Iron BS EN 10143:1993	Original finish / Hot Dipped Galvanised
CR (Cold rolled steel) BS 1449:Part1: 1991 or JIS G3141	Epoxy powder coated or hot-dip galvanised after fabrication to BS EN ISO 1461:1999
Stainless Steel Grade AISI 304, 316 or 316L	Original finish

## INSTRUCTION FOR REFERENCE NUMBER, EXAMPLE :

CTRC / 50 / T 2.00 / 2 ORG

Size (width) - 50 mm

Gauge - T 2.00  
(Thickness)

Finished & Material

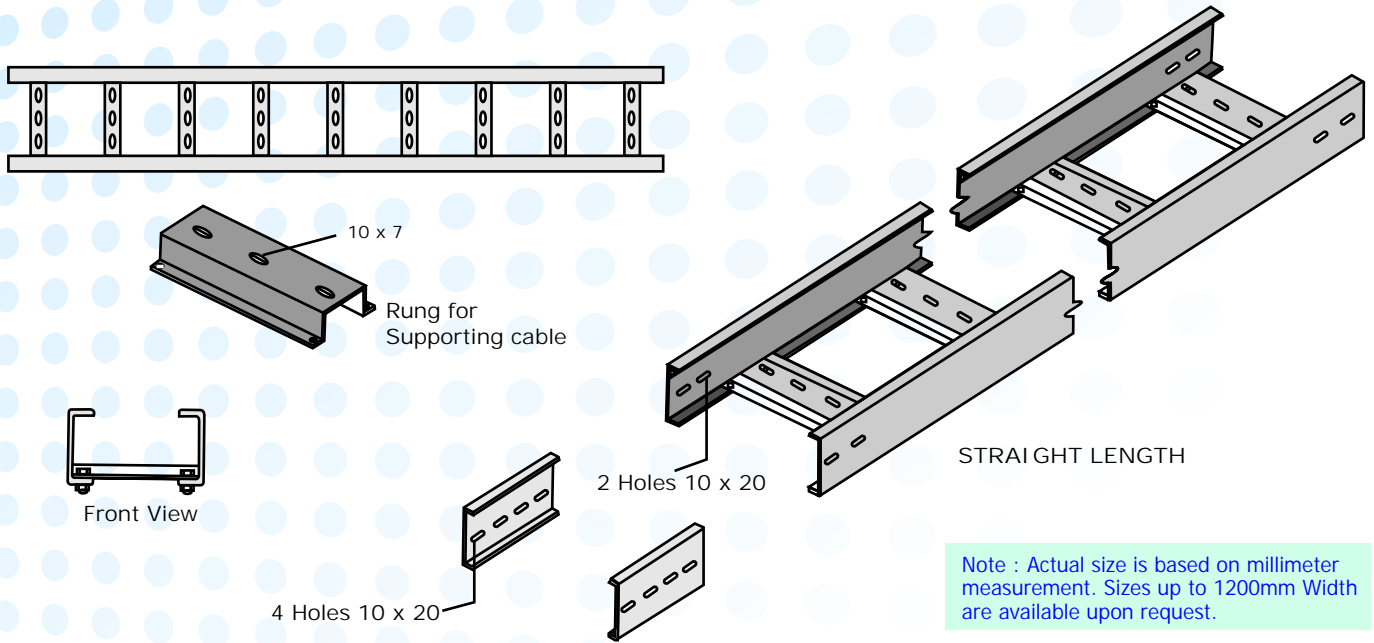
- 1 - Galvanised Iron (Original finish)
- 2 - CR (Epoxy powder coated or hot-dip galvanised)
- 3 - Stainless Steel (Original finish)

**COLOURS**

WHI - White	GRY - Grey
ORG - Orange	GEN - Green
BLU - Blue	BLK - Black
RED - Red	HDG - Hot Dip Galvanised
IB - Ivory Beige	

*\* Non standard colours available on request*

# COMPLETE KNOCK DOWN TYPE CABLE LADDER (CKDCL)



Note : Actual size is based on millimeter measurement. Sizes up to 1200mm Width are available upon request.

Standard Length : 2.5 meter

Standard Materials : Galvanised Iron 1.5mm/2.0mm (side Rail) & 1.5mm (Rung)

Complete with : Joint Plate, Bolt and Nut, Copper Link

## RECOMMENDED MATERIAL AND TYPE OF FINISHING

Materials	Types of Finishing
Cold (Cold rolled steel) BS 1449:Part1:1999 or JIS G3141	Epoxy powder coated or hot-dip galvanised after fabrication to BS EN ISO 1461:1999
Galvanised Iron BS EN10152:1994	Original finish / Hot Dipped Galvanised
Stainless Steel Grade AISI 304, 316 or 316L	Original finish

## INSTRUCTION FOR REFERENCE NUMBER, EXAMPLE :

CKDCL/1000/T1.5/2 GRY

Size (width) - 1000 mm

Gauge (Thickness) - T 1.5 mm

Finished & Material

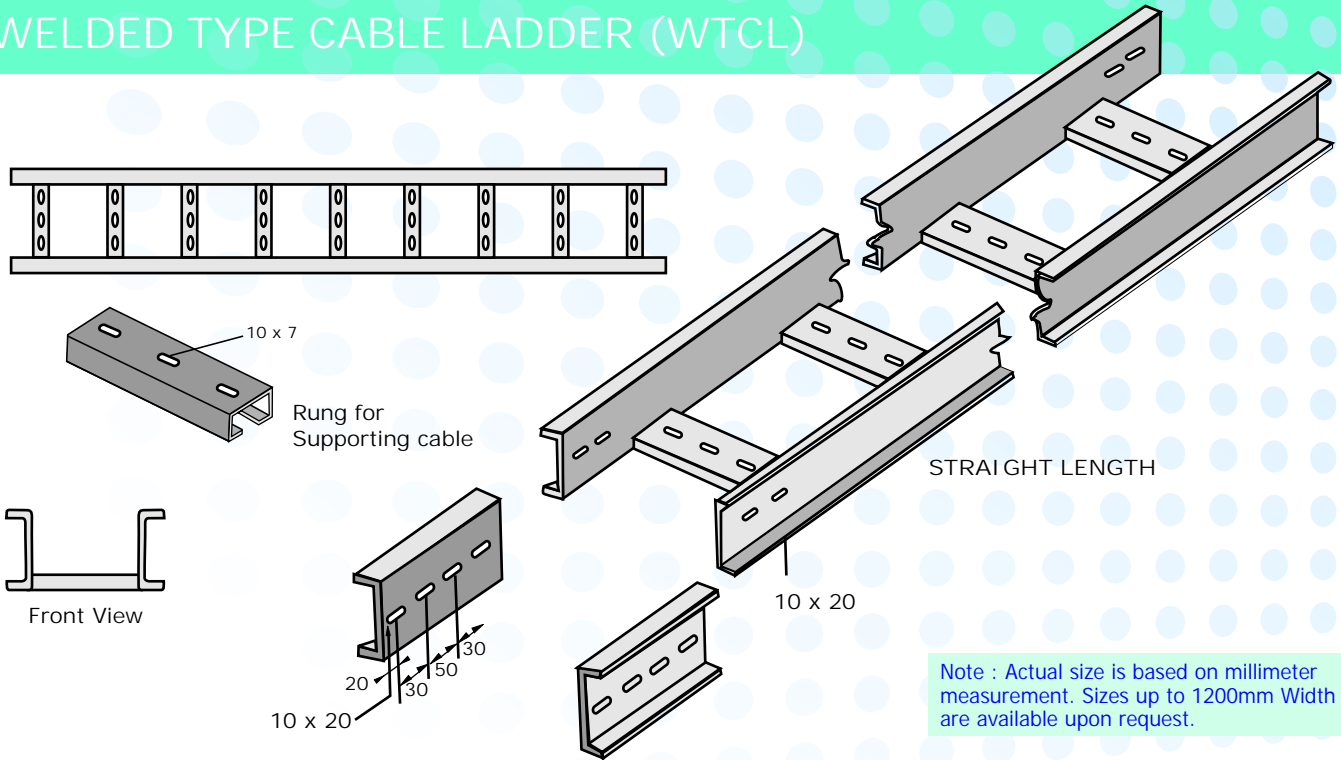
- 1 - Galvanised iron (Original finish)
- 2 - CR (Epoxy powder coated or hot-dip galvanised)
- 3 - Stainless Steel (Original finish)

**COLOURS**

WHI - White	GRY - Grey
ORG - Orange	GEN - Green
BLU - Blue	BLK - Black
RED - Red	HDG - Hot Dip Galvanised
IB - Ivory Beige	

*\* Non standard colours available on request*

# WELDED TYPE CABLE LADDER (WTCL)



- Standard Length : 2.5 meter
- Standard Materials : Galvanised Iron 1.5mm/2.0mm (side Rail) & 1.5mm (Rung)
- Complete with : Joint Plate, Bolt and Nut, Copper Link

## RECOMMENDED MATERIAL AND TYPE OF FINISHING

Materials	Types of Finishing
Cold (Cold rolled steel) BS 1449:Part1:1999 or JIS G3141	Epoxy powder coated or hot-dip galvanised after fabrication to BS EN ISO 1461:1999
Galvanised Iron BS EN10152:1994	Original finish / Hot Dipped Galvanised
Stainless Steel Grade AISI 304, 316 or 316L	Original finish

## INSTRUCTION FOR REFERENCE NUMBER, EXAMPLE :

WTCL / 1000 / T 1.5 / 2 GRY

Size (width) - 1000 mm

Gauge (Thickness) - T 1.5 mm

Finished & Material

- 1 - Galvanised iron (Original finish)
- 2 - CR (Epoxy powder coated or hot-dip galvanised)
- 3 - Stainless Steel (Original finish)

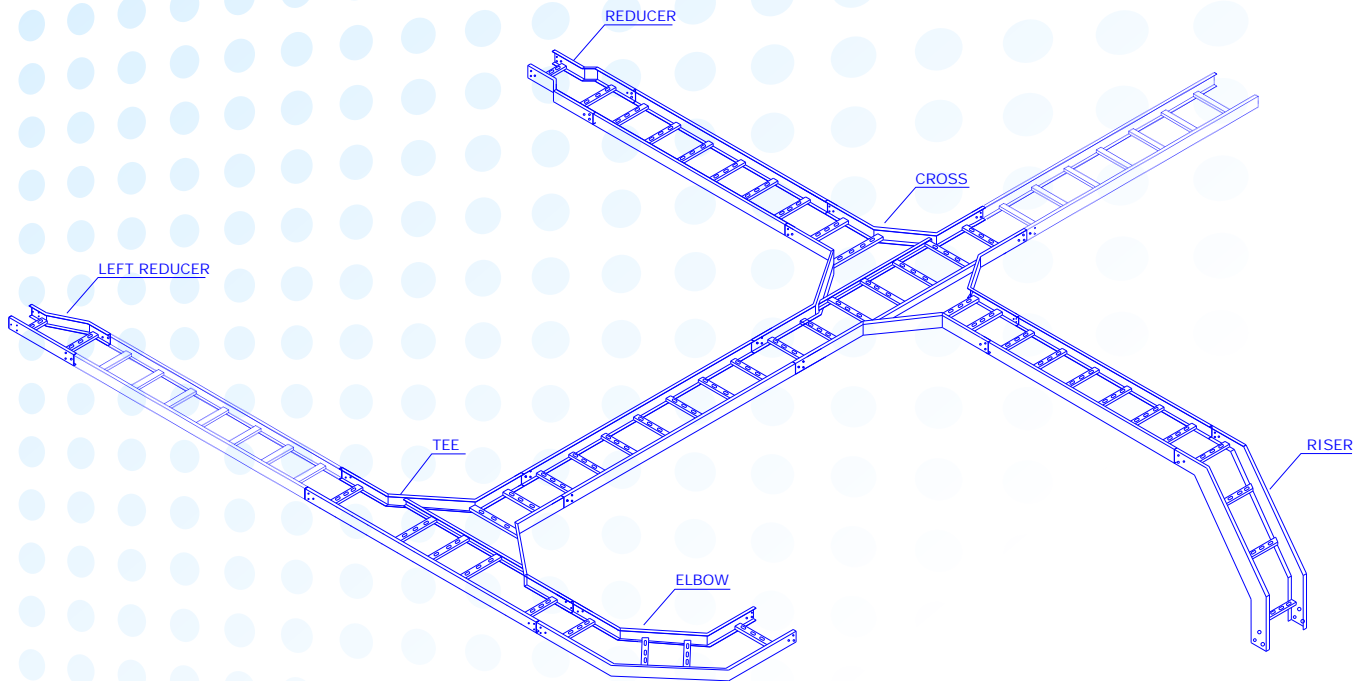
**COLOURS**

WHI - White	GRY - Grey
ORG - Orange	GEN - Green
BLU - Blue	BLK - Black
RED - Red	HDG - Hot Dip Galvanised
IB - Ivory Beige	

*\* Non standard colours available on request*



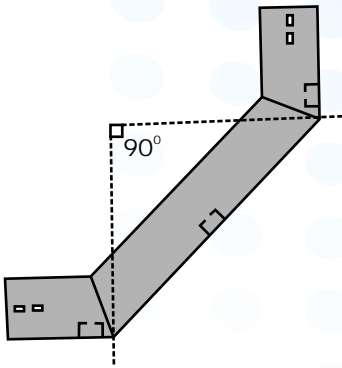
# CABLE LADDER SYSTEM



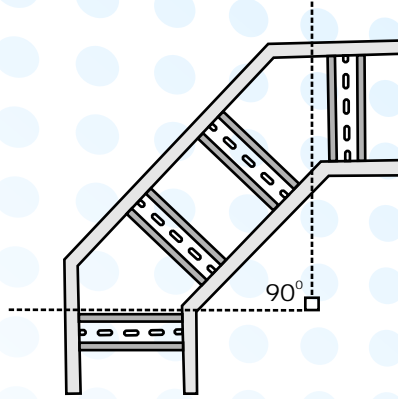
H	W	L	Thickness
50	150	2500	1.5
50	200	2500	1.5
50	250	2500	1.5
50	300	2500	1.5
75	150	2500	1.5
75	200	2500	1.5
75	250	2500	1.5
75	300	2500	1.5
100	150	2500	2.0
100	200	2500	2.0
100	250	2500	2.0
100	300	2500	2.0
100	400	2500	2.0
100	450	2500	2.0
100	500	2500	2.0
100	600	2500	2.0
100	750	2500	2.0
100	900	2500	2.0
100	1000	2500	2.0

H	W	L	Thickness
125	200	2500	2.0
125	250	2500	2.0
125	300	2500	2.0
125	400	2500	2.0
125	450	2500	2.0
125	500	2500	2.0
125	600	2500	2.0
125	750	2500	2.0
125	900	2500	2.0
125	1000	2500	2.0
150	200	2500	2.0
150	250	2500	2.0
150	300	2500	2.0
150	400	2500	2.0
150	450	2500	2.0
150	500	2500	2.0
150	600	2500	2.0
150	750	2500	2.0
150	800	2500	2.0
150	900	2500	2.0
150	1000	2500	2.0

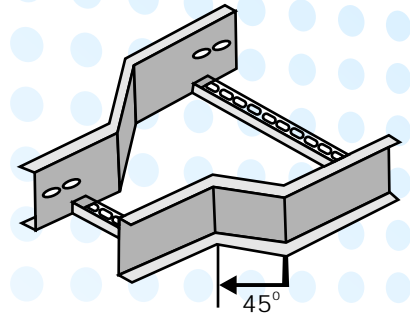
# CABLE LADDER ACCESSORIES



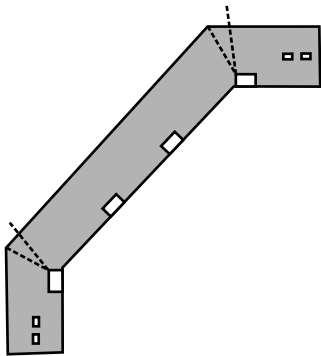
Internal Riser (CTIR)



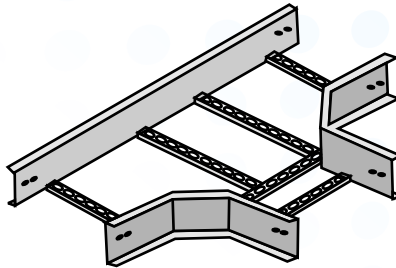
Elbow (CTELB)



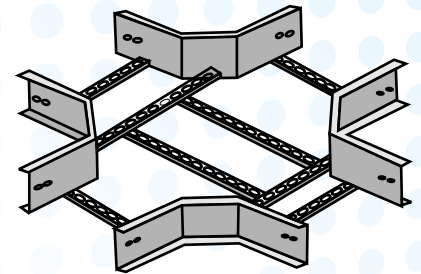
Reduce (CTLR)



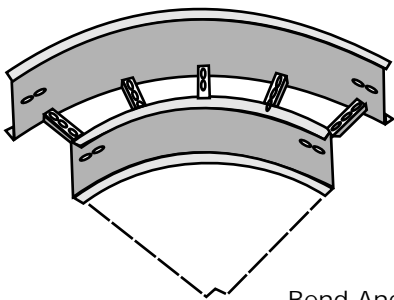
External Riser (CTEK)



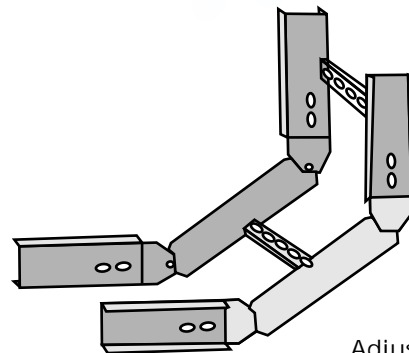
Tee (CTTE)



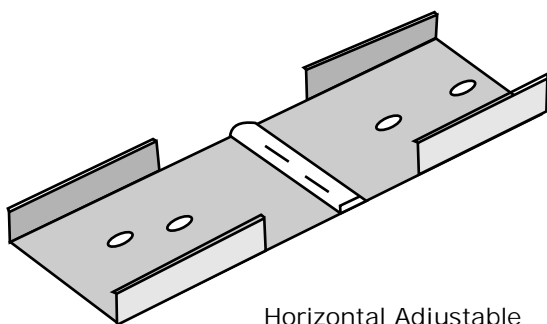
Cross (CTCR)



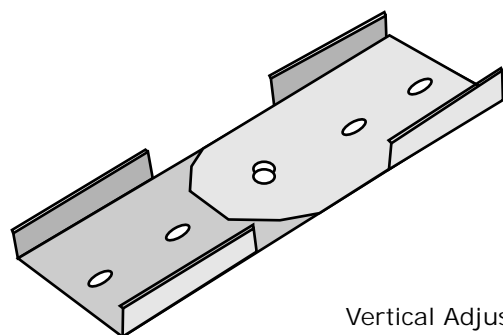
Bend Angle (CTBA)



Adjustable Risers



Horizontal Adjustable Ladder Joint



Vertical Adjustable Ladder Joint