



Cable Management System

Metal Raceway Product Range

Ventilated Type Trays:

(Standards, Load Capacity, Support Location and Electrical Grounding)

KMC Australia manufactures Ventilated type cable trays and the support system for the cable trays. It produces the full range of products, which includes the custom design accessories for all types of trays. All this accessories are very easy to erect and install at site, with which it saves the time and generates the profit. The cable tray management system has been developed to suit the demand of an ever-changing global market.

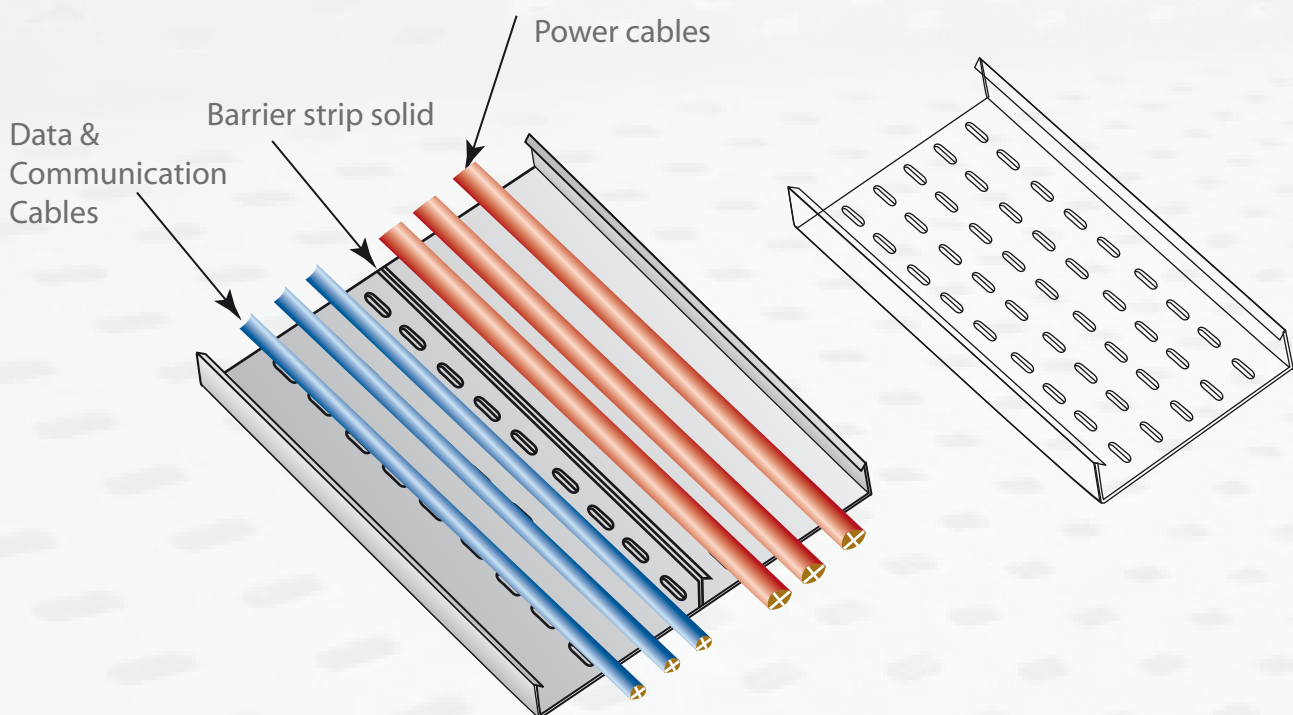
Ventilated cable trays have a standard height of Maximum of 100mm. and it is mostly used for the smaller type of cables. The standard height of our tray is 50mm and the length is 3meter. The maximum length we can offer for our cable tray is upto 6mtr.



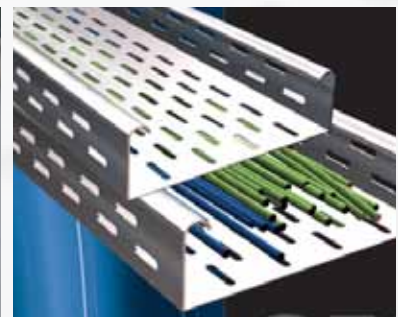
BS Standard:

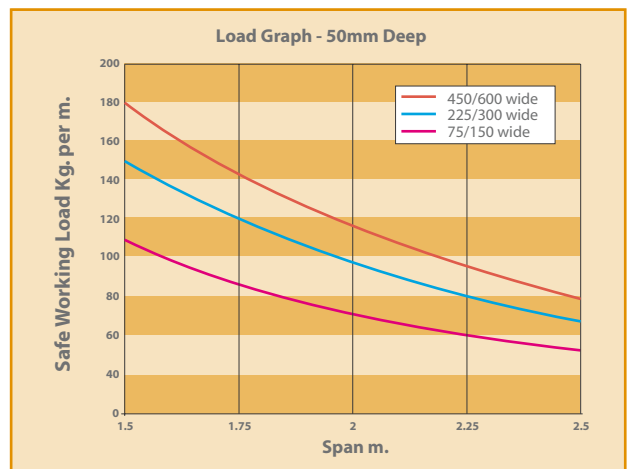
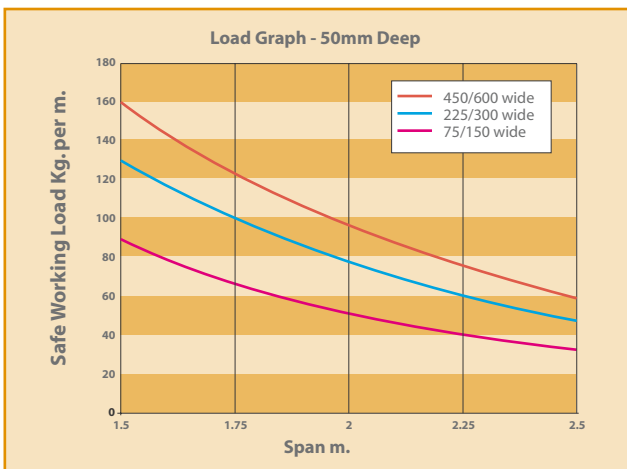
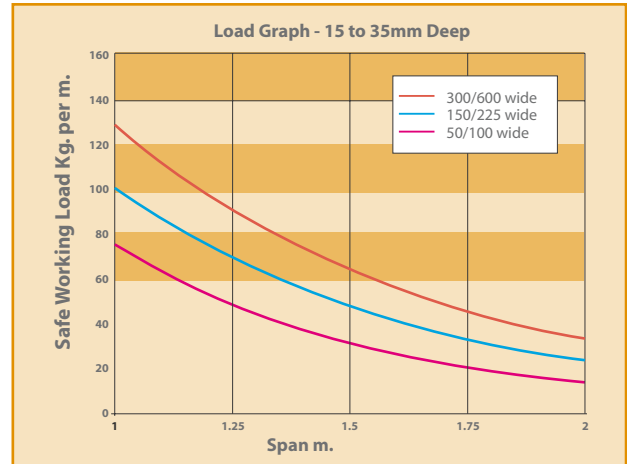
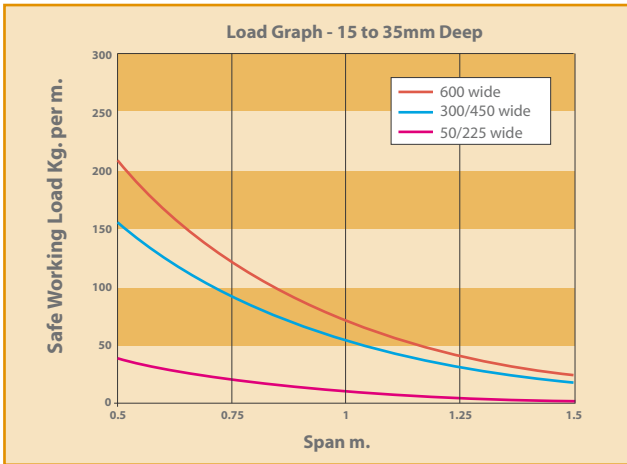
- Cable Trays are manufactured as per **BS EN 61537-2007**
- Manufacturing Steel Complying with **BS EN 10111: 1999** and Hot Dipped Galvanized after Fabrication is as per **BS EN ISO 1461 (Formerly BS 729) (HDG)**
- Pre Galvanized is as per **BS EN 10142 (PG)**
- Epoxy coated in RAL Colours to **BS 6920(EP)**
- Stainless Steel is as per **BS EN 10088 - 2 : 2001 (SS)**
- GPP is as per **BS 467 - Part 7 Class 1 (GRP/FRP)**

Ventilated cable tray is designed to carry both power cable & data communication cable. A barrier strip through the cable tray can use it. The barrier strip should be made of the same material as the ventilated cable tray.

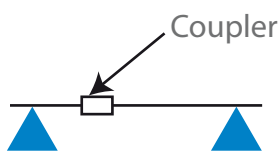


The following page you can find load carrying capacity of each cable trays with different types. All the technical details are subject to the standard and as per the specifications any deviation in the specification that may change the load carrying capacity.



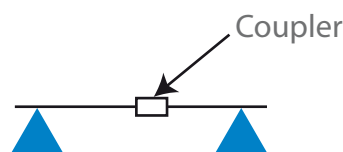


To ascertain the correct load as per the loading graph, it has to follow strictly as per our installation standard or as per **BS5950 - part V - 1987** (All safe loads are calculated as per the BS standard). It also depends how you install the splice plate (joining coupler) on a straight run. Installation has to be done as per below drawing to get the exact load as per standards..



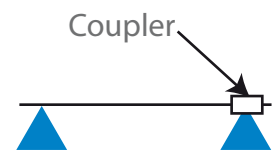
Can be fixed 100% load performance

(Placing the point of coupler at 1/5th of the span is the best solution for 100% performance)



Possible to fix 70% load performance

(The coefficient to be applied on the permissible load if coupler at 2nd position is 0.7)



Never fix the coupler

(Never put the support under the part of coupling)

Note:

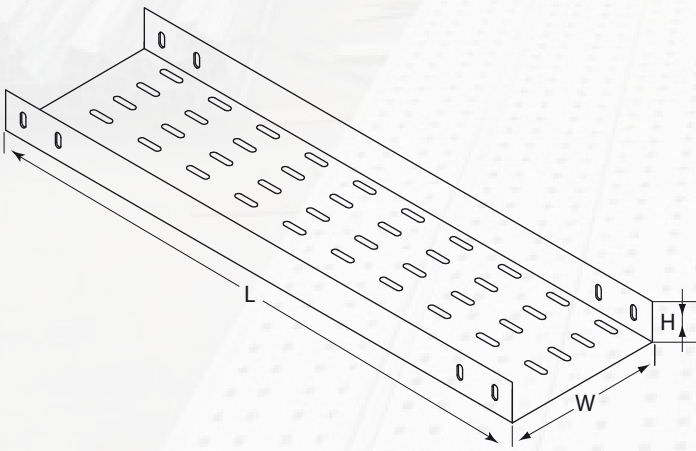
- Sizing Trays for Multiple-Conductor Cables , Sizing Trays for Single Conductor Cables, System Grounding, Equipment Grounding and Methods of Grounding. Please refer to cable ladder section.

- Please add the material code while placing the order for any of our product. For Example 100mm cable tray heavy duty with epoxy coating, the code as follows KTHT100EP

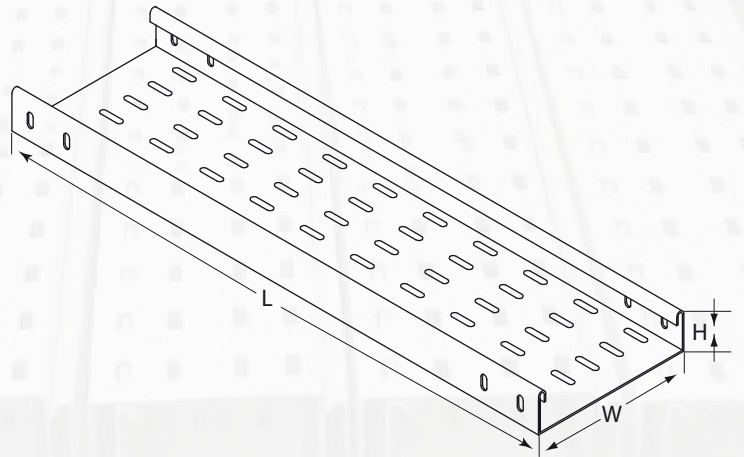
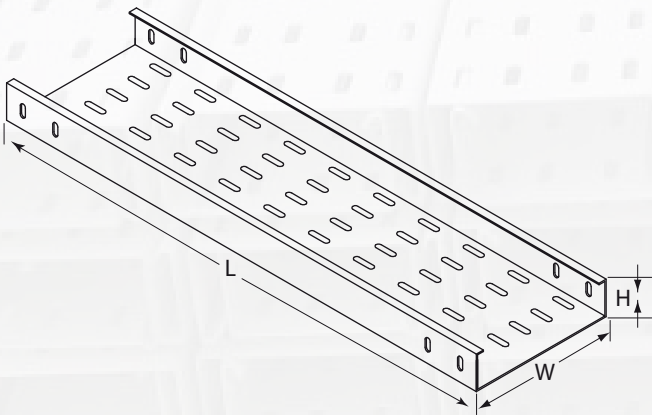
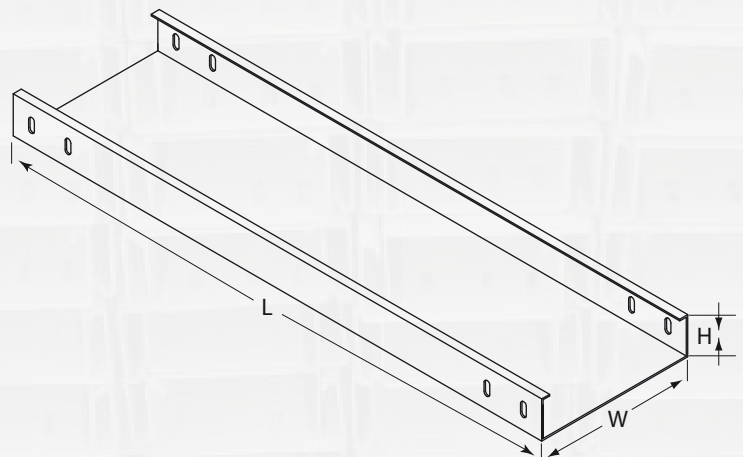
CABLE TRAY PART SELECTION CHART
Example 150mm Straight Cable Tray
KTC - F - 50 - 10 - C - 3 - H - G

Ref	Type	Height	Width	Thickness	Length	Finish	Material
KTC	- C	15mm	10(100)mm	A = 1.0mm	3(3000)	P (PG)	Galvanized (G)
	- D	25mm	15(150)mm	B = 1.2mm		H (HDG)	
	- F	35mm	22(225)mm	C = 1.5mm	6(6000)	A (AL)	Aluminium (A)
	- K	50mm	30(300)mm	D = 2mm		34(SS-304)	Stainless Steel (SS)
		60mm	45(450)mm	E = 2.5mm		36(SS-316L)	
		75mm	60(600)mm				
		100mm	75(750)mm				
			90(900)mm				



C - Type Flange Straight Cable Tray


W	=	Width
L	=	Length
H	=	Height

F-Type Flange Straight Cable Tray

D-Type Flange Straight Cable Tray

K-Type Flange Straight Cable Tray




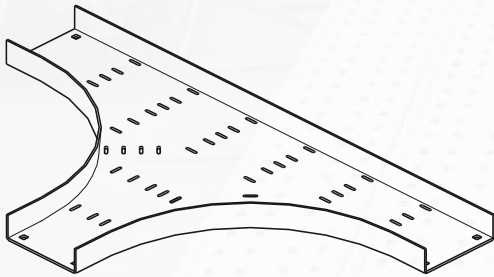
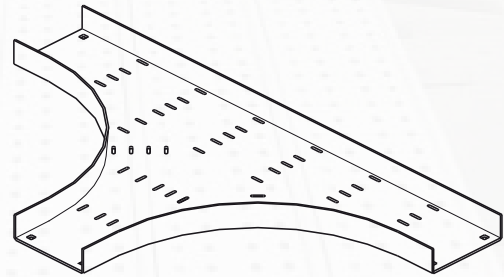
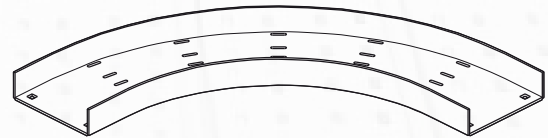
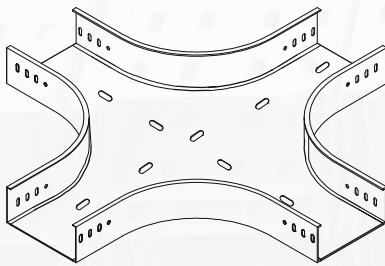
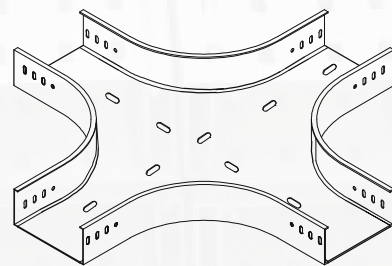
CABLE TRAY PART SELECTION CHART

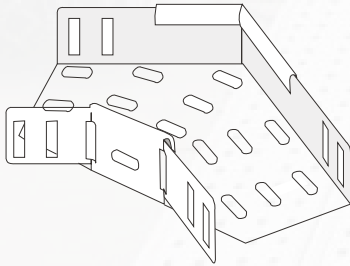
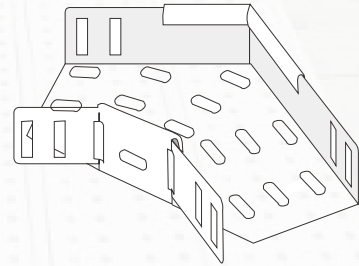
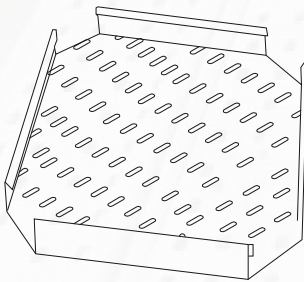
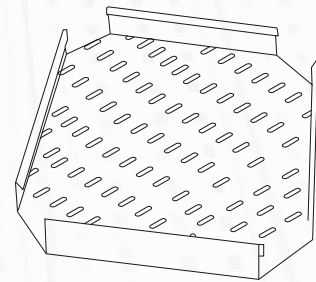
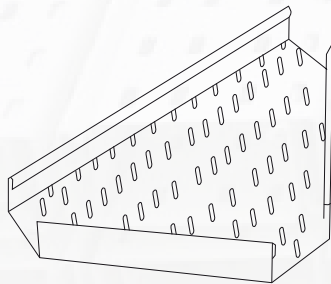
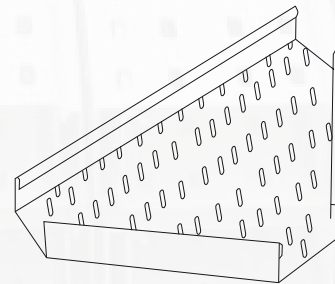
Example 150mm Cable Tray Radius Tee

KTA - F - R - 1 - 50 - 15 - C - H - G

Ref	Flange	Style	Type	Height	Width	Thickness	Finish	Material	
KTA	- C	R	TR (1)	VOR90 (20)	15mm	10(100)mm	A= 1.0mm	P (PG)	Galvanized (G)
			UTR (2)	VIR45 (21)	25mm	15(150)mm	B = 1.2mm	H (HDG)	
	- D	F	HB45R (3)	VOR45 (22)					35mm
			HB90R (4)	SR (23)					
	- F	H	HUCR (5)	RHR (23)	50mm	30(300)mm	D= 2mm	34(SS-304)	Stainless Steel (SS)
			HCR (6)	LHR (24)					
	- K	K	FB45 (7)	BC (25)	60mm	45(450)mm	E = 2.5mm	36(SS-316L)	
			FB90 (8)	BC90 (26)					
	C		FEC (9)	FTC (27)	75mm	60(600)mm			
			FUC (10)	RFTC (28)					
			FET (11)	FCC (29)	100mm	75(750)mm			
			FUT (12)	RFCC (30)					
			HB90 (13)	TC (31)	90(900)mm				
			HB45 (14)	RRC (32)					
			HUC (15)	SRC (33)					
			HEC (16)	LRC (34)					
			HUT (17)	OCR45 (35)					
			HET (18)	IRC45 (36)					
	VIR90 (19)	ORC90 (37)							
	IRC90 (38)	IRC90 (38)							

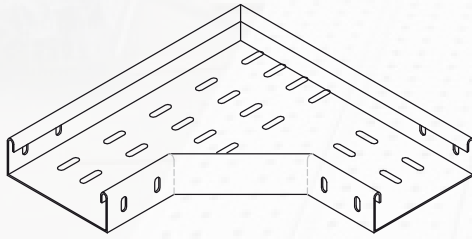


Cable Tray Accessories Style (R)**Tee (TR)****Un Equal Tee (UTR)****45° Deep Bend (HB45R)****90° Bend (HB90R)****Un Equal Cross Horizontal (HUCR)****Cross Horizontal (HCR)**

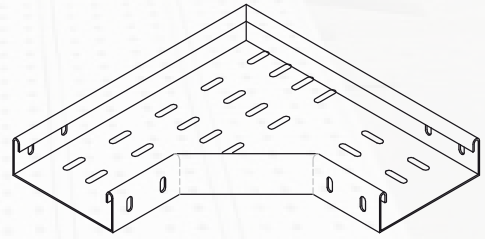
Cable Tray Accessories Style (F)**Flat Bend 45° (FB45)****Flat Bend 90° (FB90)****Flat Equal Cross(FEC)****Flat Unequal Cross(FUC)****Flat Equal Tee(FET)****Flat Unequal Tee (FUT)**



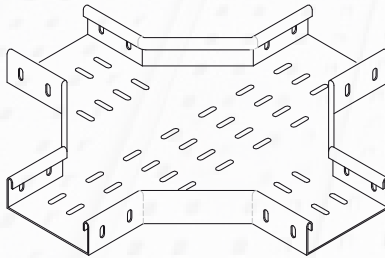
Cable Tray Accessories Style (H)



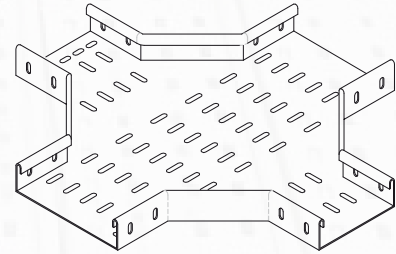
Horizontal Bend 90° (HB90)



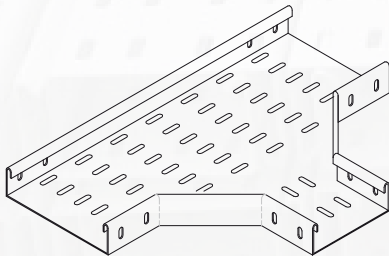
Horizontal Bend 45° (HB45)



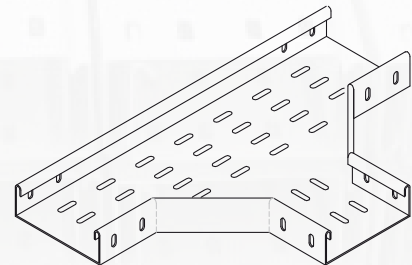
Horizontal Un Equal Cross (HUC)



Horizontal Equal Cross (HEC)

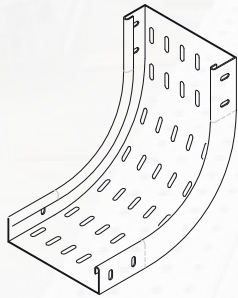
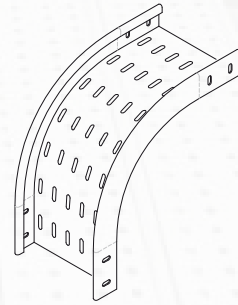
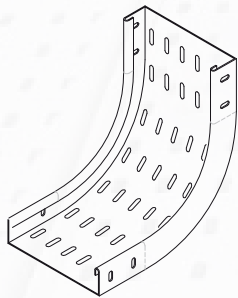
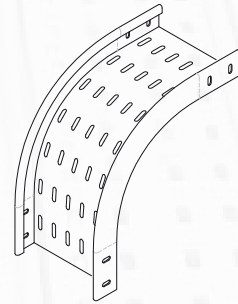
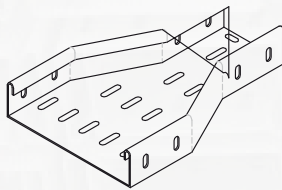
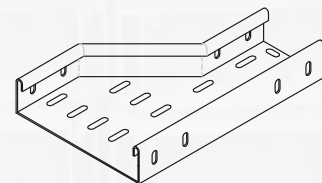
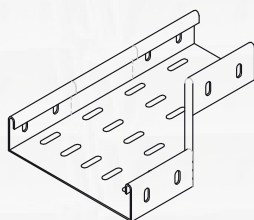


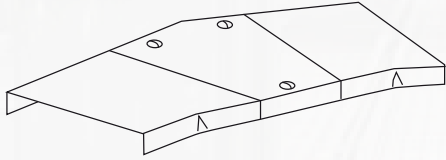
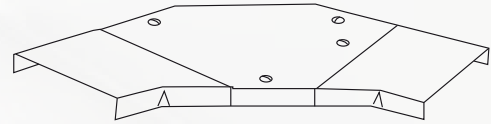
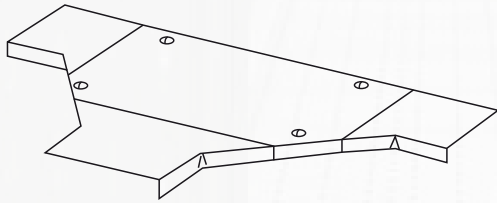
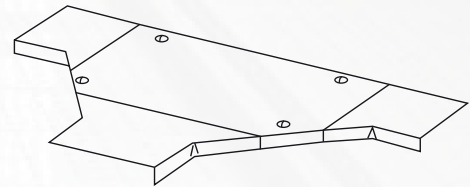
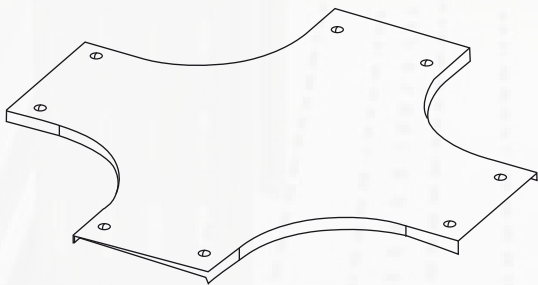
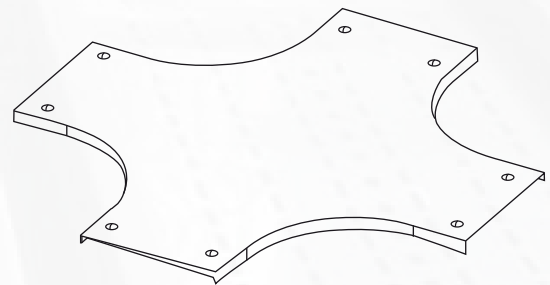
Horizontal Unequal Tee (HUT)

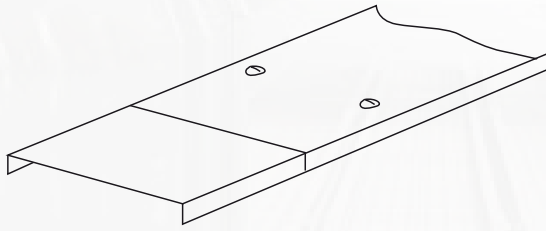
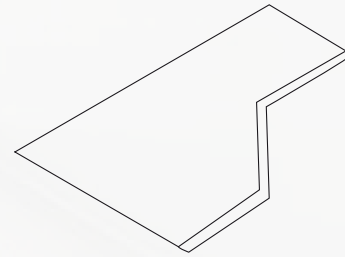
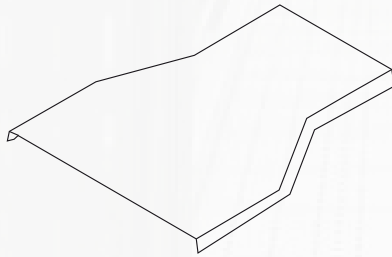
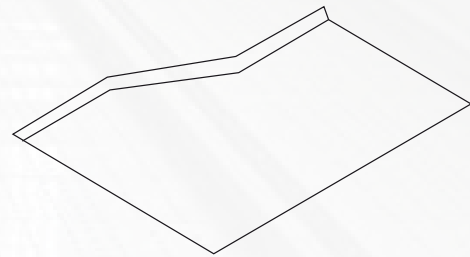
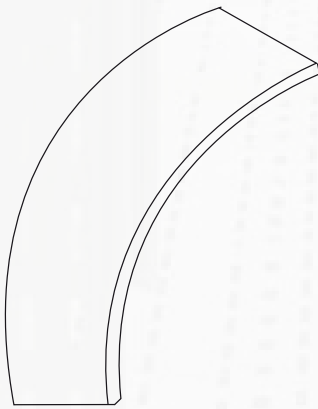
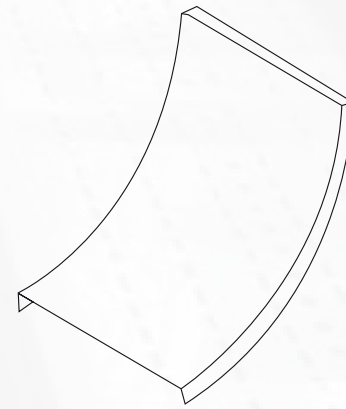
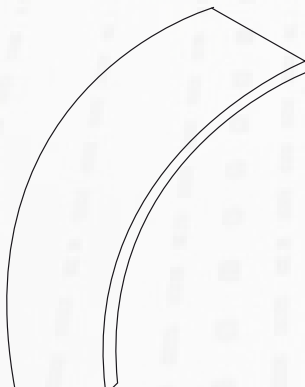


Horizontal Equal Tee (HET)



Cable Tray Accessories Style (K)**Vertical Inside Riser 90° (VIR90)****Vertical Outside Riser 90° (VOR90)****Vertical Outside Riser 45° (VIR45)****Vertical Outside Riser 45° (VOR45S)****Straight Reducer (SR)****Right Hand Reducer (RHR)****Left Hand Reducer (LHR)**

Cable Tray Accessories (C)**45° Bend Cover(BC)****90° Bend Cover(BC90)****TEE Cover(FTC)****Un Equal Tee Cover(RFTC)****Cross Cover (FCC)****Un Equal Cross Cover(RFCC)**

Cable Tray Accessories**Tray Cover (TC)****Right Hand Reducer Cover (RRC)****Straight Reducer Cover (SRC)****Left Hand Reducer Cover (LRC)****Outside Riser Cover (ORC45)****Inside Riser Cover (IRC45)****Outside Riser Cover (ORC90)****Inside Riser Cover (IRC90)**

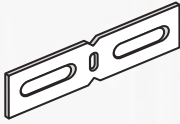
CABLE TRAY PART COUPLER CHART
Example Coupler & Separator 100mm Straight Coupler 50mm Height

Ref	Flange	Type	Width	Height	Thickness	Finish	Material	
KTA	- C	S2C (1)	10(100)mm	15mm	A = 1.0mm	P (PG)	Galvanized (G)	
		SP (2)	SJUL (12)	15(150)mm	25mm	B = 1.2mm	H (HDG)	
	- D	EC (3)	CC (13)	22(225)mm	35mm	C = 1.5mm	A (AL)	Aluminium (A)
		RC (4)	EP (14)	30(300)mm	50mm	D = 2mm	34(SS-304)	Stainless Steel (SS)
	- F	SC (5)	EPU (15)	45(450)mm	60mm	E = 2.5mm	36(SS-316L)	
		SJ (6)	VHJ (16)	60(600)mm	75mm			
	- K	HJ (7)	HHJ (17)	75(750)mm	100mm			
		HJL (8)	SZ (18)	90(900)mm				
		VJ (9)	SL (19)					
		FP (10)						

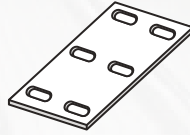


Cable Tray Coupler & Separator

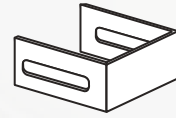
Coupler



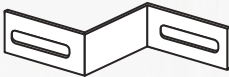
Straight 2 Hole Coupler (S2C)



Space Plate (SP)



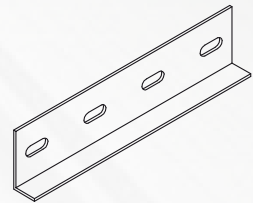
End Cap (EC)



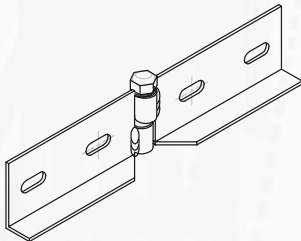
Reducing Coupler (RC)



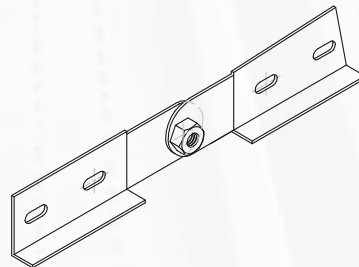
Standard Coupler (SC)



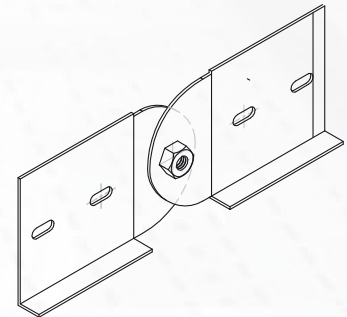
Straight Joint (SJ)



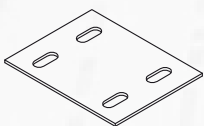
Horizontal Joint-50 (H) (HJ)



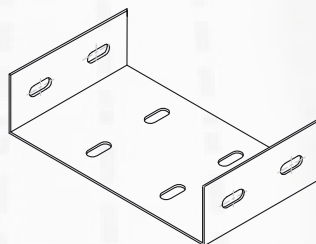
Vertical Joint - 50 (H) (HJL)



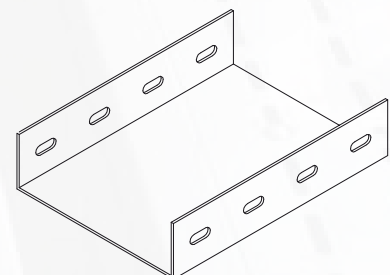
Vertical Joint (VJ)



Fish Plate (FP)

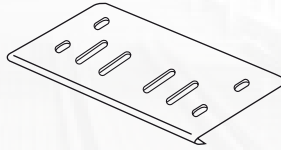
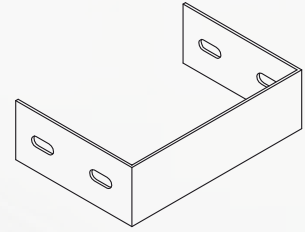
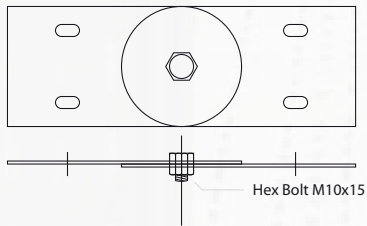
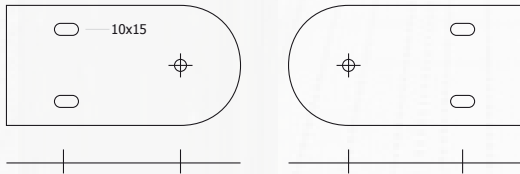
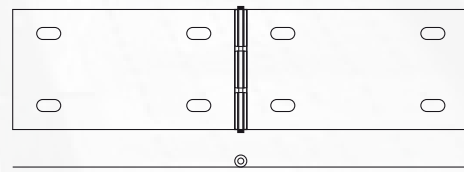
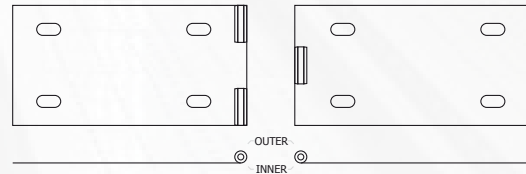
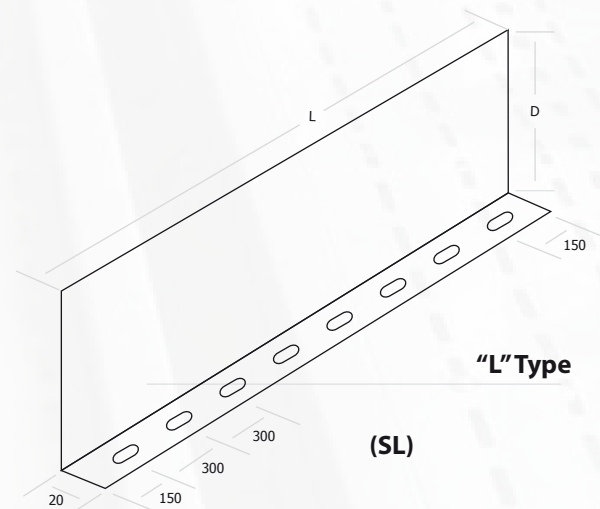
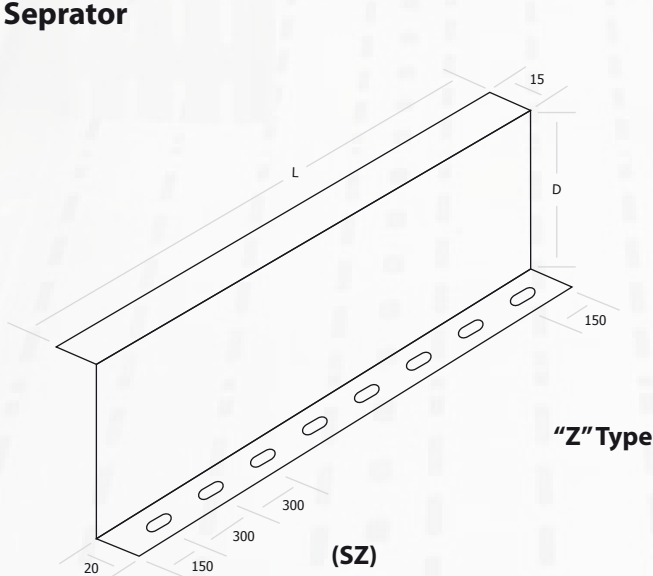


Joint (SJU)

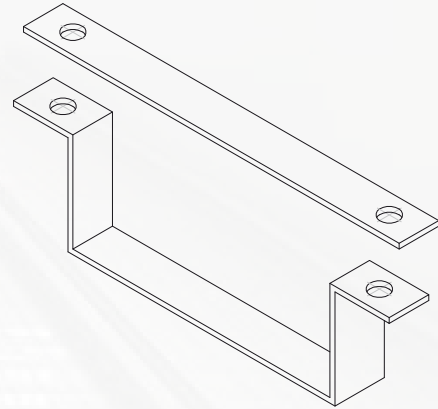
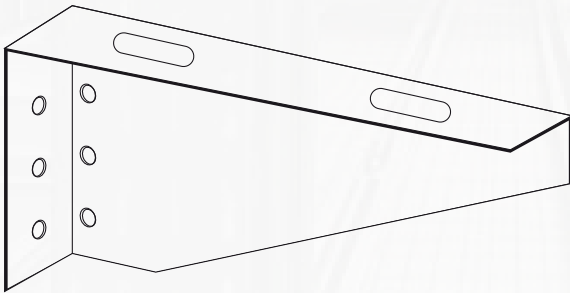


Joint 'U'type (SJUL)

Cable Tray Coupler & Seperator

Cover Clamp 'C' type (CC)

Edge Protector (EP)

End Plate (EPU)

Vertical Hinged Joint (VHJ)

Horizontal Hinged Joint (HHJ)
Seprator


Cable Tray Coupler & Separator

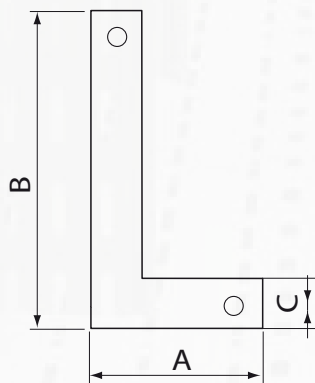


HD Canti Lever Arm (CLA)

HD Canti Lever Arm (CLA)			
Part No.	Length (mm)	Material	Finish
KTA-1HG	125mm	Galvanized (G)	P (PG)
KTA-2HG	175mm		H (HDG)
KTA-3HG	250mm	Aluminium (A)	A (AL)
KTA-4HG	325mm		A (AL)
KTA-5HG	475mm	Stainless Steel (SS)	34 (SS-304)
KTA-6HG	625mm		36 (SS-316L)
KTA-7HG	800mm		
KTA-8HG	950mm		

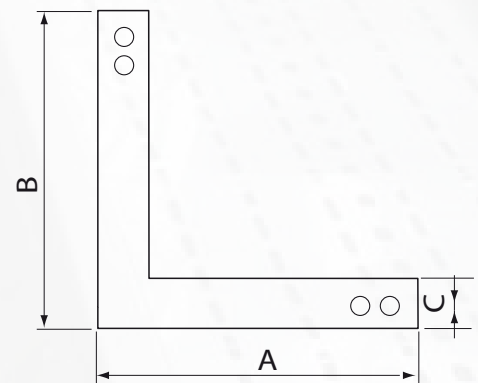
Tray Cover Clamp 'C' Type (CP)

Tray Cover Clamp 'C' Type (CP)			
Part No.	Size (mm)	Material	Finish
KTATC-1HG	100mm	Galvanized (G)	P (PG)
KTATC-2HG	150mm		H (HDG)
KTATC-3HG	225mm	Aluminium (A)	A (AL)
KTATC-4HG	300mm		A (AL)
KTATC-5HG	450mm	Stainless Steel (SS)	34 (SS-304)
KTATC-6HG	600mm		36 (SS-316L)
KTATC-7HG	750mm		
KTATC-8HG	900mm		



'L' Clamp 1 Hole (LC1)

A = 50mm, B = 100mm, C = 10mm



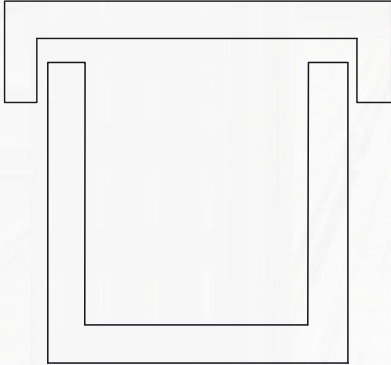
'L' Clamp 2 Hole (LC2)

A = 100mm, B = 100mm, C = 15mm

L Clamp 1 Hole (LC1)					
Part No.	A	B	C	Material	Finish
KTALC-1HG	50mm	100mm	10mm	Galvanized (G)	P (PG), H (HDG), A (AL)
				Aluminium (A)	34 (SS-304), 36 (SS-316L)
				Stainless Steel (SS)	

L Clamp 2 Hole (LC2)					
Part No.	A	B	C	Material	Finish
KTALC-2HG	100mm	100mm	15mm	Galvanized (G)	P (PG), H (HDG), A (AL)
				Aluminium (A)	34 (SS-304), 36 (SS-316L)
				Stainless Steel (SS)	

Cable Tray Coupler & Separator


U Type Cable Tray Clip

Part No.	Size (mm)	Material	Finish
KTAU-1HG	100mm	Galvanized (G) Aluminium (A) Stainless Steel (SS)	P (PG)
KTAU-2HG	150mm		H (HDG)
KTAU-3HG	225mm		A (AL)
KTAU-4HG	300mm		34 (SS-304)
KTAU-5HG	450mm		36 (SS-316L)
KTAU-6HG	600mm		
KTAU-7HG	750mm		
KTAU-8HG	900mm		

U Type Cable Tray Clip



Kruppsmetal Corporation Consists of these Products



KRUPPSSTRUT



KRUPPSFIBER



KRUPPSTRAY



KRUPPSTRUNKING



KRUPPSFLEX



KRUPPSENCLOSURE



KRUPPSLADDER



KRUPPSCONDUIT

Middle East Marketing Office:

Delta Group

Tel : +973 17280009 / 17280200

Fax : +973 17280449

Manama, Kingdom of Bahrain

E-mail: sales@deltaelectricals.com

Web: www.deltaelectricals.com

KRUPPSMETAL Corporation.

Barnet Street, Yarravilla, Victoria 3013
Australia.

Email: sales@kruppsmetal.net
www.kruppsmetal.net