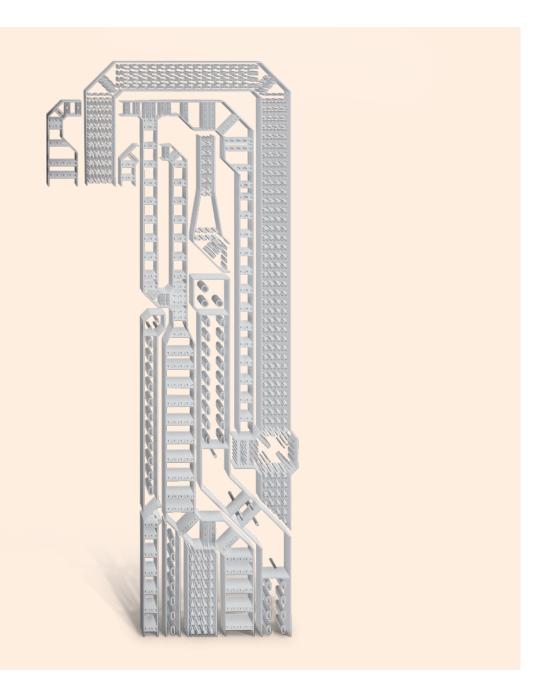
## Kam Tai

# Cable Containment & Supporting Systems

Cable Trunking • Cable Tray • Cable Ladder
Cable basket • Floor Trunking System
U-Channel & Supporting • Threaded Rod & Screw







**Cable Trunking** 



**Cable Tray** 



Cable Ladder



U - Channel

**29** 

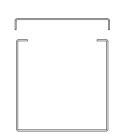
Cable & Pipe Clamps



**Finishes** 



## **Cable Trunking** 電線槽



### Type of cover:

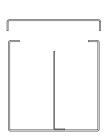
Spring Capped Fixed Cover (夾仔蓋)

KT + / standard code + / SF KT + / standard code + / QF

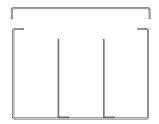
(肚臍蓋)

Turnbuckle Captive Screw Fixed Cover **Screw Fixed Cover** (螺絲蓋)

KT + /standard code + /SO



Two -Compartment (分雙格) KT + /standard code + / 2C



Three -Compartment (分三格) KT + /standard code + / 3C

#### **Technical Specification:**

- BS EN50085-1 or IEC61084-1
- Each length supplied with cover, coupler, tinned earth link and fixing screws.
- Standard length is 2.44m/Non standard thinckness and finishes available to clients order.
- Customize size is available for order upon request.

Materials Standard:

- Galvanized Steel Sheet to BS4678 Part 1:Class 3 Protection to BS EN10143/ BS EN10346 (Coating Mass 275g/m<sup>2</sup>). Standard product code +/GI
- Mild Steel Sheet to BS1449-1 or BS EN10149-1 finished in Hot-dipped Galvanized after Perforation to ISO1461 Standard product  $+/{\rm HDG}$
- Stainless Steel to Grade 304 or Grade 316 Standard code +/SS304 or +/SS316

Other Material or Coating:

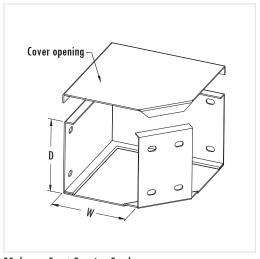
- Aluminum Steel Sheet
- Plastic Coated
- Epoxy / Polyester Powder Coated

Standard Size (mm) W x D	Available Material Thickness (mm)	Standard Code
50 x 50	1.0 / 1.2 / 1.4 / 1.6	5050
75 x 50	1.2 / 1.4 / 1.6	7550
75 x 75	1.2 / 1.4 / 1.6	7575
100 x 50	1.2 / 1.4 / 1.6	1050
100 x 75	1.2 / 1.4 / 1.6	1075
100 x 100	1.2 / 1.4 / 1.6	1010
150 x 50	1.2 / 1.4 / 1.6	1550
150 x 75	1.2 / 1.4 / 1.6 / 1.8	1575
150 x 100	1.2 / 1.4 / 1.6 / 1.8	1510
150 x 150	1.2 / 1.4 / 1.6 / 1.8	1515
200 x 50	1.2 / 1.4 / 1.6 / 1.8	2050
200 x 75	1.2 / 1.4 / 1.6 / 1.8	2075
200 x 100	1.2 / 1.4 / 1.6 / 1.8	2010
200 x 150	1.2 / 1.4 / 1.6 / 1.8	2015
200 x 200	1.4 / 1.6 / 1.8 / 2.0	2020
250 x 100	1.4 / 1.6 / 1.8 / 2.0	2510
250 x 150	1.4 / 1.6 / 1.8 / 2.0	2515
250 x 200	1.4 / 1.6 / 1.8 / 2.0	2520
250 x 250	1.4 / 1.6 / 1.8 / 2.0	2525
300 x 100	1.4 / 1.6 / 1.8 / 2.0	3010
300 x 150	1.4 / 1.6 / 1.8 / 2.0	3015
300 x 200	1.4 / 1.6 / 1.8 / 2.0	3020
300 x 300	1.4 / 1.6 / 1.8 / 2.0	3030
400 x 100	1.4 / 1.6 / 1.8 / 2.0	4010
400 x 150	1.4 / 1.6 / 1.8 / 2.0	4015
400 x 200	1.4 / 1.6 / 1.8 / 2.0	4020
400 x 250	1.4 / 1.6 / 1.8 / 2.0	4025
400 x 300	1.4 / 1.6 / 1.8 / 2.0	4030
400 x 400	1.4 / 1.6 / 1.8 / 2.0	4040

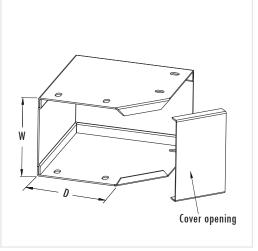
## **Trunking Fitting** 電線槽配件

Type of cover:

- -Turnbuckle Captive Screw Fixed Cover (肚臍蓋)/
- -Spring Capped fixed Cover(夾仔蓋)/
- -Screw Fixed Cover (螺絲蓋)

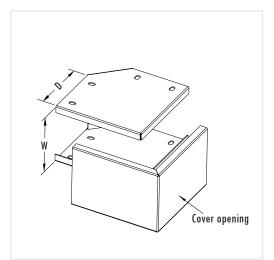


90 degree Front Opening Bend (90度 大面曲) B + / standard code

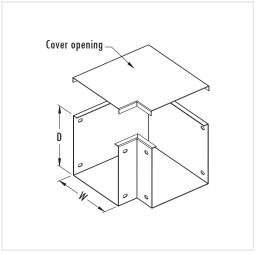


90 degree Internal Opening Bend (90度 内曲) IB + / standard code

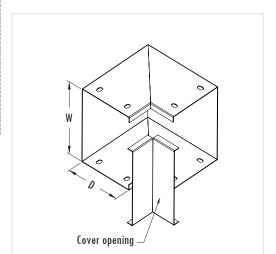
Standard Size (mm) W × D	Standard Code
50 x 50	5050
75 x 50	7550
75 x 75	7575
100 x 50	1050
100 × 75	1075
100 x 100	1010
150 × 50	1550
150 × 75	1575
150 x 100	1510
150 x 150	1515
200 × 50	2050
200 × 75	2075
200 × 100	2010
200 × 150	2015
200 × 200	2020
250 × 100	2510
250 × 150	2515
250 × 200	2520
250 × 250	2525
300 × 100	3010
300 × 150	3015
300 × 200	3020
300 × 300	3030
400 × 100	4010
400 × 150	4015
400 × 200	4020
400 × 250	4025
400 × 300	4030
400 × 400	4040
Thickness(mm) 1.0 / 1.2 / 1.	L



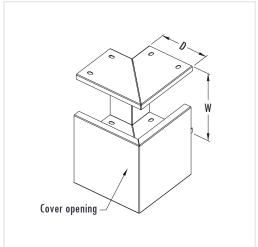
90 degree External Opening Bend (90度 外曲) EB + / standard code



90 degree Front Opening Elbow (90度 直角面曲) EBF + / standard code



90 degree Internal Opening Elbow (90度 直角内曲) EBI + / standard code



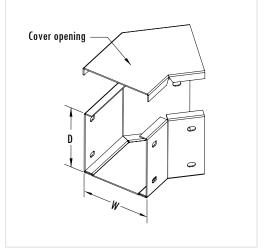
90 degree External Opening Elbow (90度 直角外曲) EBE + / standard code



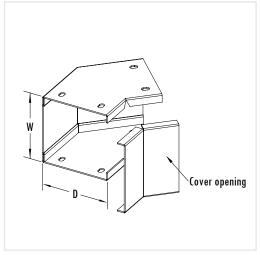
## **Trunking Fitting** 電線槽配件

Type of cover:

- -Turnbuckle Captive Screw Fixed Cover (肚臍蓋)/
- -Spring Capped fixed Cover(夾仔蓋)/
- -Screw Fixed Cover (螺絲蓋)

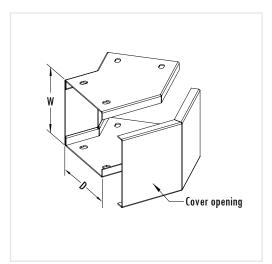


45 degree Front Opening Bend (45度 面曲) FB + / standard code

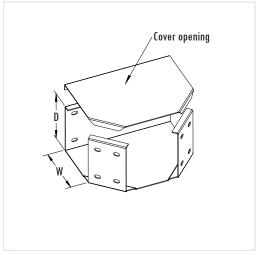


45 degree Internal Opening Bend (45度 內曲) FIB + / standard code

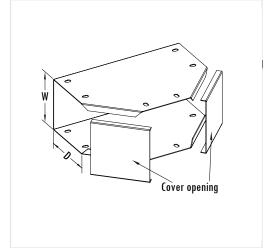
Standard Size (mm) W × D	Standard Code
50 x 50	5050
75 × 50	7550
75 × 75	7575
100 x 50	1050
100 x 75	1075
100 x 100	1010
150 x 50	1550
150 x 75	1575
150 × 100	1510
150 × 150	1515
200 x 50	2050
200 × 75	2075
200 × 100	2010
200 × 150	2015
200 × 200	2020
250 × 100	2510
250 x 150	2515
250 × 200	2520
250 × 250	2525
300 x 100	3010
300 × 150	3015
300 × 200	3020
300 × 300	3030
400 × 100	4010
400 x 150	4015
400 × 200	4020
400 × 250	4025
400 × 300	4030
400 × 400	4040
Thickness(mm) 1.0 / 1.2 / 1.	4 / 1.6 /1.8 / 2.0



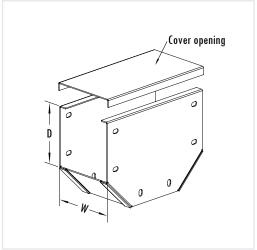
45 degree External Opening Bend (45度 外曲) FEB + / standard code



Front Opening Tee (大面**T**) T + / standard code



Internal Opening Tee (細蓋T) IT + / standard code



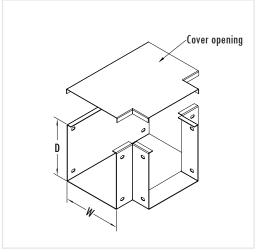
External Opening Tee (頂蓋T) ET + / standard code



## Trunking Fitting 電線槽配件

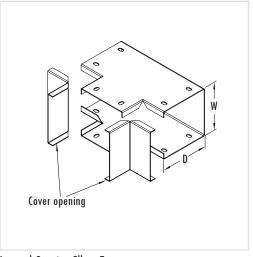
Type of cover:

- -Turnbuckle Captive Screw Fixed Cover (肚臍蓋)/
- -Spring Capped fixed Cover(夾仔蓋)/
- -Screw Fixed Cover (螺絲蓋)



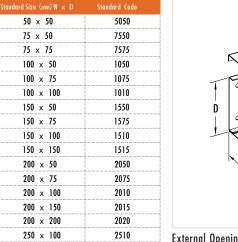
Front Opening Elbow Tee (直角大面T)

TTF + / standard code



Internal Opening Elbow Tee (直角細蓋T)

TTI + / standard code



2515

2520

2525

3010

3015

3020

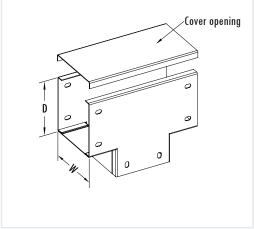
3030

4010 4015

4020

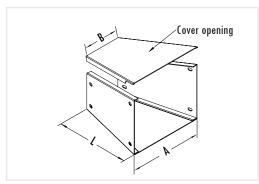
4025 4030

4040



External Opening Elbow Tee (直角頂蓋T)

TTE + / standard code



Reducer (直刁士) + / size A + / size B



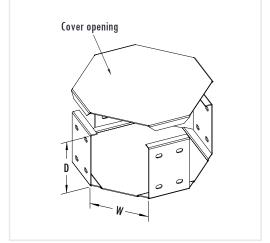




Left side (KTLH) (左斜)

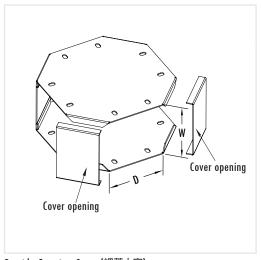
Centre (KTC) (直刁)

Right side (KTRH) (右斜)



Front Opening Cross (大面十字)

CR + / standard code



Outside Opening Cross (細蓋十字)

SC + / standard code

#### Product Code i.e.:

 $250~\times~150$ 

250 x 200

 $250 \times 250$ 

300 x 100

 $300 \times 150$ 

 $300 \times 200$ 

300 x 300 400 x 100

400 x 150 400 x 200

 $400 \times 250$ 

400 × 300 400 × 400

Thickness(mm) 1.0 / 1.2 / 1.4 / 1.6 /1.8 / 2.0

100 x 100mm, 1.4mm thk. galvanized steel, spring capped fixed cover trunking

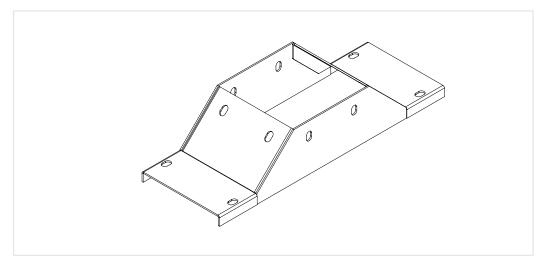
= KT/1010/SF/1.4/GI

100 x 100mm, 1.4mm thk. galvanized steel, spring capped fixed cover trunking, two-compartment

= KT/1010/SF/1.4/GI/2C

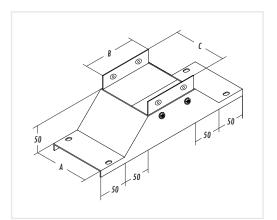


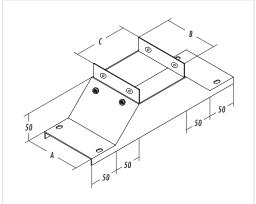
**Special Trunking Fitting** 特製配件



Cover Tee (直出蓋T)

Remark: for 2 compartment Cover Tee: Standard Product Code +/ 2





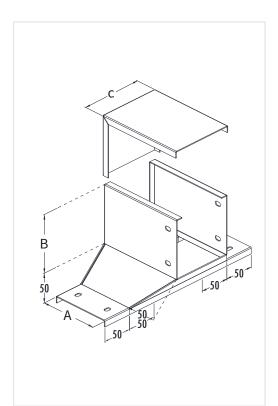
Type A

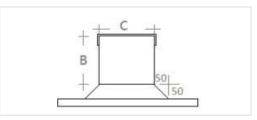
Type B

Size in mm A x B x C	Standard Product Code Type A	Standard Product Code Type B	
50 x 50 x 50	CTA222	CTB222	
75 x 50 x 50	CTA322	CTB322	
75 x 50 x 75	CTA323	CTB323	
75 x 75 x75	CTA333	CTB333	
100 x 50 x 50	CTA422	CTB422	
100 x 50 x 75	CTA423	CTB423	
100 x 50 x 100	CTA424	CTB424	
100 x 75 x 75	CTA433	CTB433	
100 x 75 x 100	CTA434	CTB434	
100 x 100 x 100	CTA444	CTB444	
150 x 75 x 75	CTA633	CTB633	
150 x 75 x 100	CTA634	CTB634	
150 x 100 x 100	CTA644	CTB644	
150 x 150 x150	CTA666	CTB666	
200 x 75 x 75	CTA833	CTB833	
200 x 100 x 100	CTA844	CTB844	
200 x 100 x 150	CTA846	CTB846	
200 x 100 x 200	CTA848	CTB848	
200 x 150 x 200	CTA868	CTB868	
200 x 200 x 200	CTA888	CTB888	
300 x 150 x 150	CTA1266	CTB1266	
300 x 200 x 200	CTA1288	CTB1288	
300 x 200 x 300	CTA12812	CTB12812	
300 x 300 x 300	CTA121212	CTB121212	

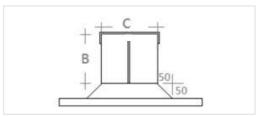


## **Special Trunking Fitting** 特製配件

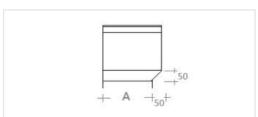




Front 正面 (Type A)



Front 正面 (Type B)



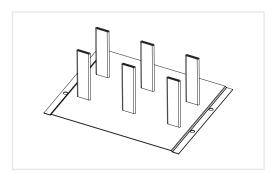
Change Face Cover Tee 轉面槽蓋T

Side 側面 (Type A or B)

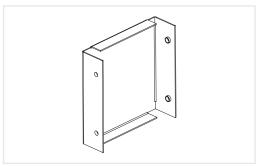
Size in mm A x B x C	Standard Product Code for 1/C 單格 Type A	Standard Product Code for 2/C
50 x 50 x 50	CFA222	CFB222
75 x 50 x 50	CFA322	CFB322
75 x 50 x 75	CFA323	CFB323
75 x 75 x75	CFA333	CFB333
100 x 50 x 50	CFA422	CFB422
100 x 50 x 75	CFA423	CFB423
100 x 50 x 100	CFA424	CFB424
100 x 75 x 75	CFA433	CFB433
100 x 75 x 100	CFA434	CFB434
100 x 100 x 100	CFA444	CFB444
150 x 75 x 75	CFA633	CFB633
150 x 75 x 100	CFA634	CFB634
150 x 100 x 100	CFA644	CFB644
150 x 100 x 150	CFA646	CFB646
150 x 150 x150	CFA666	CFB666
200 x 75 x 75	CFA833	CFB833
200 x 100 x 100	CFA844	CFB844
200 x 100 x 150	CFA846	CFB846
200 x 100 x 200	CFA848	CFB848
200 x 150 x 200	CFA868	CFB868
200 x 200 x 200	CFA888	CFB888
300 x 150 x 150	CFA1266	CFB1266
300 x 200 x 200	CFA1288	CFB1288
300 x 200 x 300	CFA12812	CFB12812
300 x 300 x 300	CFA121212	CFB121212



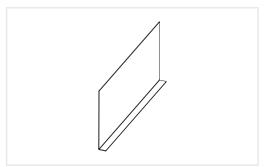
## Accessories 配件



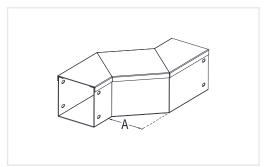
Pin Rack with Plastic Cover 線掛 DPR / (Size)



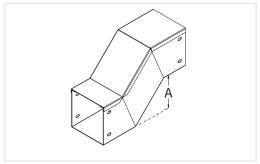
End Stop 槽尾封 EC / (Size)



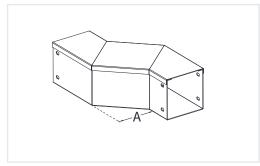
Divider (1mm) 槽隔片 DIV / (Size)



Horizontal Offset 水平之字(左) HOR / (Size)



Vertical Offset 高低之字 VO / (Size)



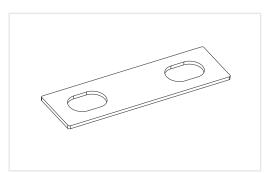
Horizontal offset 水平之字(右) Hor / (Size)



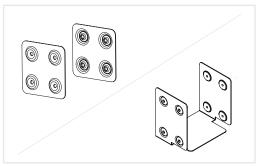
Flange Screw 槽駁螺絲 KFS / M5 Size or Other Size



Spring Cap 槽夾 S / (Size)



Copper Earth Link 水線片 COP / (Size)



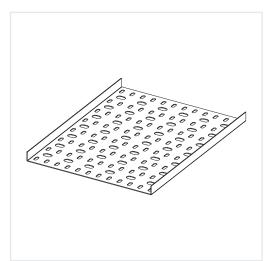
Trunking Coupler 槽駁片 or U-Shaped Connector U型駁口 C / (Size) or UC / (Size)

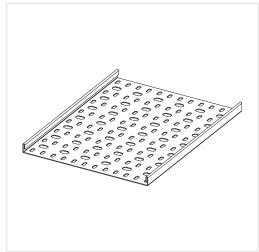


## Cable **Tray** 電纜托盤









#### CT Series 單摺邊

Light duty with single edge 13mm upstand to under 300mm (W) 20mm upstand to 300mm (W) or over Standard code CT / width / thickness

RCT Series 20/12 雙摺邊

Heavy duty with return edge 20mm upstand with 12mm return edge Standard code RCT / width / thickness

#### **Technical Specification:**

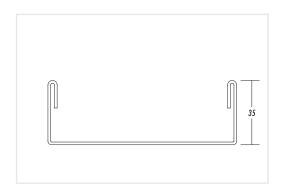
- BS EN61537 or IEC61537 to class 5
- Each length supplied with coupler, tinned earth link and fixing screws.
- Standard length is 2.44m/ Non standard thickness and finishes available to clients order.
- Customize size is available for order upon request.

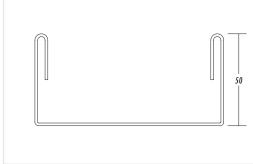
Materials Standard:

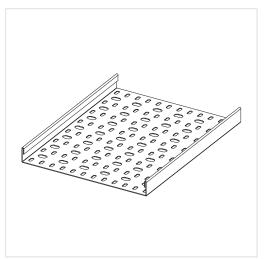
- Galvanized Steel Sheet to BS4678 Part 1: Class 3 Protection to BS EN10143 / BS EN10346 (Coating Mass 275g/m2) Standard product code +/GI
- Mild Steel Sheet to BS1449-1 or BS EN10149-1 finished in Hot-dipped Galvanized after Perforation to ISO1461 Standard product code  $+/{\rm HDG}$
- Stainless Steel to Grade 304 or Grade Standard product code  $\pm$ /SS304 or  $\pm$ / SS316

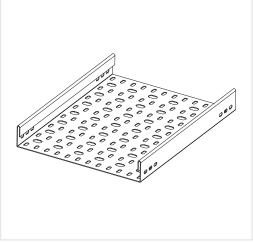
Other Material or Coating:

- Aluminum Steel Sheet
- Plastic Coated
- Epoxy / Polyester Powder Coated









#### HCT Series 35/15 雙摺邊

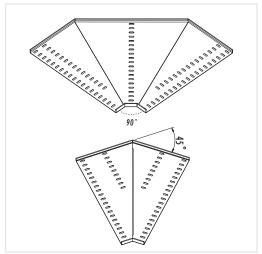
Heavy duty with return edge 35mm upstand with 15mm return edge Standard code HCT / width / thickness

#### HCT+ Series 50/25 雙摺邊

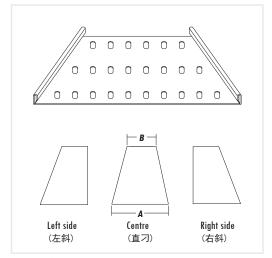
Extra Heavy duty with return edge 50mm upstand with 25mm return edge Standard code HCT / width / thickness-x



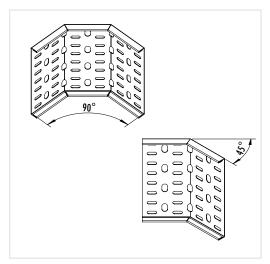
## **Tray Fitting** 電纜托盤配件



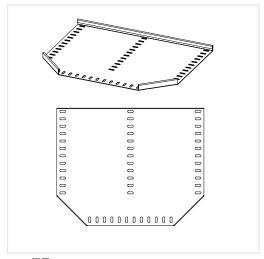
90 Deg / 45 Deg Bends 90度/45度大面曲 Basic Code CT Series - CTB, RCT Series - RCTB HCT Series - HCTB, HCT + Series HCTBx



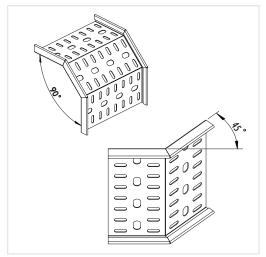
Reducer 直刁士 Basic Code CT Series - CTR, RCT Series - RCTR HCT Series - HCTR, HCT+ Series - HCTRx



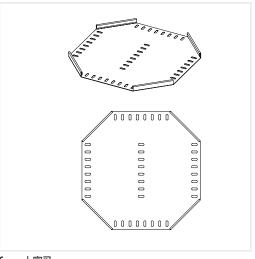
90 Deg / 45 Deg Internal Riser 90度/45度內曲 Basic Code CT Series - CTI, RCT Series - RCTI HCT Series - HCTI, HCT + Series HCTIx



Tees T三叉 Basic Code CT Series - CTT, RCT Series - RCTT HCT Series - HCTT, HCT + Series HCTTx



90 Deg / 45 Deg External Riser 90度/45度外曲 CT Series - CTE, RCT Series - RCTE HCT Series - HCTE, HCT + Series HCTEx

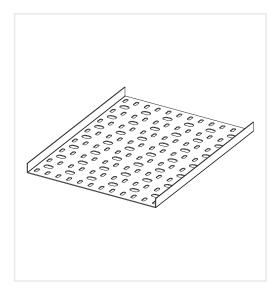


Cross 十字叉 Basic Code CT Series - CTC, RCT Series - RCTC HCT Series - HCTC, HCT + Series HCTCx

Notes: 窿的數量隨尺寸大小變化而有所增減!

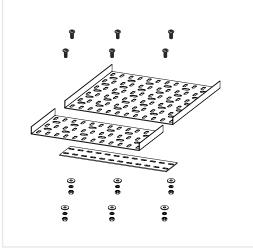
#### Cable Tray Standard Width and Thickness

Slotted Hole Detail C/C of each slots: 25mm Big slot size: 20 x11mm Small slot size: 20 x 8mm



Standard Product Code, i.e.:	
100mm x 1.2mm thk, single edge cable tray 2.44m, hot-dippe	e
galvanized after perforation	
= CT/100/1.2/HDG	

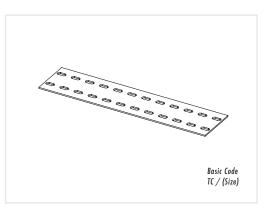
100mm x 1.2mm thk, single edge 90 degree bend, hot-dipped galvanized after perforation  $= CTB/100/90^{\circ}$ 



Bottom Jointing						
СТ	/	RCT	/	НСТ	Series	

Method

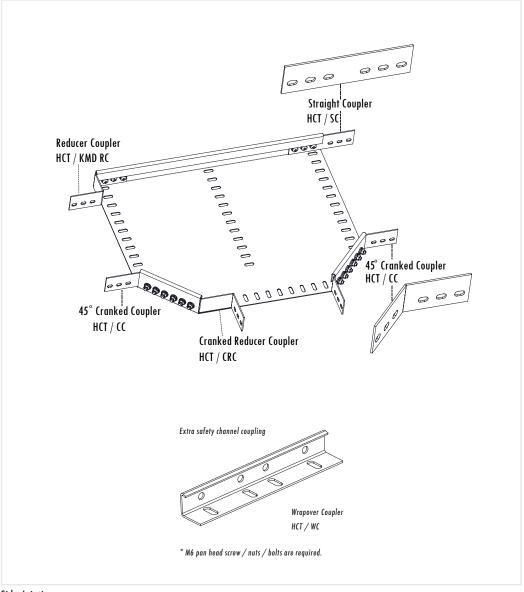
of Jointing



Standard Width (mm)	Available Material Thickness (mm)
50	1.2 / 1.5 / 1.6 / 2.0
75	1.2 / 1.5 / 1.6 / 2.0
100	1.2 / 1.5 / 1.6 / 2.0
150	1.2 / 1.5 / 1.6 / 2.0
200	1.2 / 1.5 / 1.6 / 2.0
225	1.2 / 1.5 / 1.6 / 2.0
250	1.2 / 1.5 / 1.6 / 2.0
300	1.2 / 1.5 / 1.6 / 2.0
350	1.2 / 1.5 / 1.6 / 2.0
400	1.2 / 1.5 / 1.6 / 2.0
450	1.2 / 1.5 / 1.6 / 2.0
500	1.2 / 1.5 / 1.6 / 2.0
550	1.2 / 1.5 / 1.6 / 2.0
600	1.2 / 1.5 / 1.6 / 2.0
650	1.2 / 1.5 / 1.6 / 2.0
700	1.2 / 1.5 / 1.6 / 2.0
750	1.2 / 1.5 / 1.6 / 2.0
800	1.2 / 1.5 / 1.6 / 2.0
850	1.2 / 1.5 / 1.6 / 2.0
900	1.2 / 1.5 / 1.6 / 2.0
950	1.2 / 1.5 / 1.6 / 2.0
1000	1.2 / 1.5 / 1.6 / 2.0
1050	1.2 / 1.5 / 1.6 / 2.0
1100	1.2 / 1.5 / 1.6 / 2.0
1150	1.2 / 1.5 / 1.6 / 2.0
1200	1.2 / 1.5 / 1.6 / 2.0

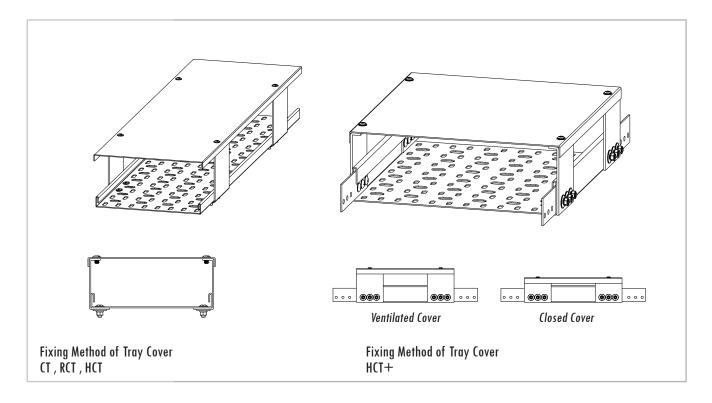
Tray Width	No.of Bolts Required
50	4
75	4
100	4
150	4
200	4
300	6
450	6
600	8
750	8
900	8
	_i

# Method of Jointing



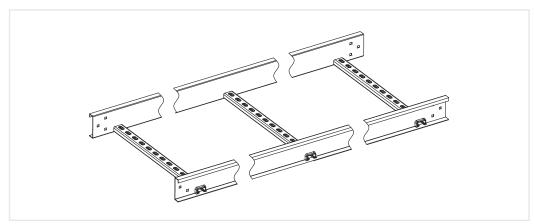
Side Jointing **HCT+** Series

Notes: 窿的數量隨尺寸大小變化而有所增減!





## Cable Ladder 電纜梯架



#### Technical Specification:

- BS EN61537 or IEC61537 to class 5
- Each length supplied with coupler, tinned earth link and fixing screws.
- Standard length is 2.44m/ Non standard thickness and finishes available to clients order.
- Customize size is available for order upon request.

#### Thickness of side member:

Ladder Width (mm):

- 1.5mm for KTCL50 or 2.0mm for KTCL100, KTCL 130

Size of slotted hole for rung:

- 30 x 15mm or special for client order Span of rung:
- 150mm for top, end & 300mm center

Fixed method of side member & rung:

- Welding for mild steel & stainless steel Crimp for aluminum alloy.

#### Materials Standard:

- Galvanized Steel Sheet to BS4678 Part 1: Class 3 Protection to BS EN10143 / BS EN10346 (Coating Mass 275g/m2) Standard product code +/GI

- Mild Steel Sheet to BS1449-1 or BS EN 10149-1 finished in Hot-dipped Galvanized after Perforation to ISO1461 Standard product code +/HDG
- Stainless Steel to Grade 304 or Grade 316 Standard product code +/SS304 or +/SS316

Other Material or Coating:

- Aluminum Steel Sheet
- Plastic Coated
- Epoxy / Polyester Powder Coated

Duty	Thk. (mm)	Side Member	Rung	Material
Light	Duty	13   25   50   50   Width		HDG GI EPC PC SS304 SS316
Heav	y Duty	25		HDG
KTCL 100	2.0	13 100 100 Width	41 — 21	GI EPC PC SS304 SS316
Extra He	avy Duty			
KTCL 130	2.0	-32-    130   Width-	41	HDG GI EPC PC SS304 SS316

### Standard Product Code, i.e.:

300 x 100mm cable ladder 2.44m, hot-dipped galvanized after perforation = KTCL100/300/HDG

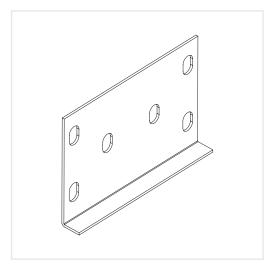
300 x 100mm cable ladder 90degree bend, hot-dipped galvanized after perforation

= KTCL100.B/300/90°

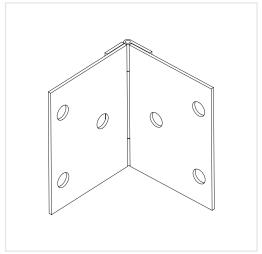
100, 150, 200, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 850, 900, 1000, 1050, 1100, 1150, 1200



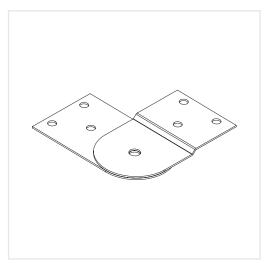
## Ladder Accessories 梯架配件



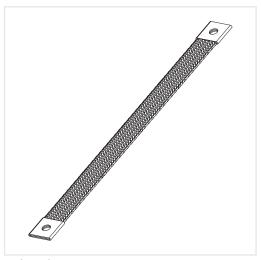
../SC Straight Coupler
KTCL 50 KTCL 100 / 130



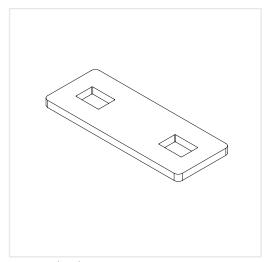
../HC Horizontal Hinged Coupler KTCL 50 KTCL 100 / 130



../VC Vertical Hinged Coupler KTCL 50 KTCL 100 / 130



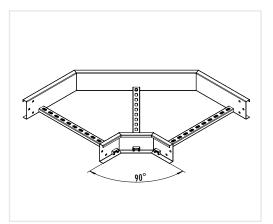
Earth Braid KTEB



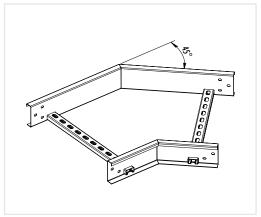
Copper Earth Link KTCL



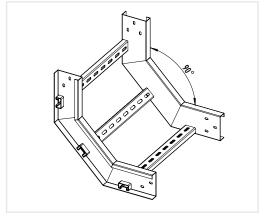
**Cable** Ladder **Fitting** 電纜梯架配件



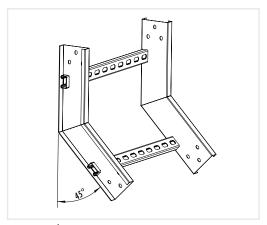
90° Bend KTCL 50 / 100 / 130 . B / Width / 90  $^{\circ}$ 



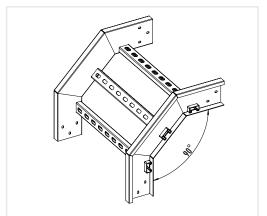
45° Bend KTCL 50 / 100 / 130 . B / Width / 45  $^\circ$ 



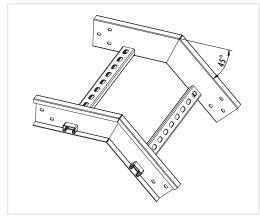
90° Internal Riser KTCL 50 / 100 / 130 . IR / Width / 90  $^{\circ}$ 



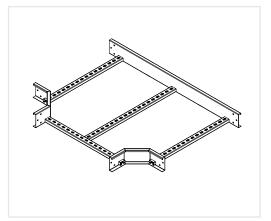
45° Internal Riser KTCL 50 / 100 / 130 . IR / Width /45  $^{\circ}$ 



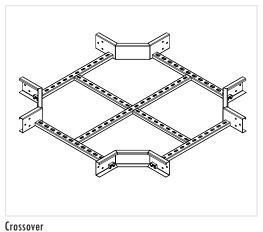
90° External Riser KTCL 50 / 100 / 130 . ER / Width / 90  $^{\circ}$ 



45° External Riser KTCL 50 / 100 / 130 . ER / Width /45  $^{\circ}$ 



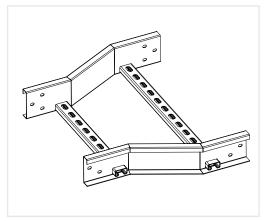
**Equal Tee** KTCL 50 / 100 / 130 . T / Width



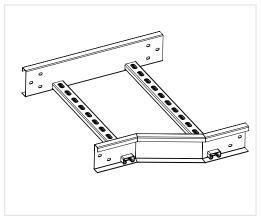
KTCL 50 / 100 / 130 . X / Width



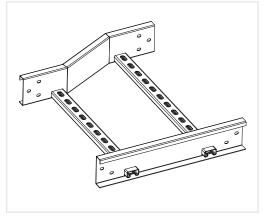
**Cable** Ladder **Fitting** 電纜梯架配件



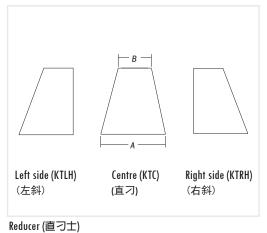
Centre Reducer KTCL 50 / 100 / 130 . CR / Width



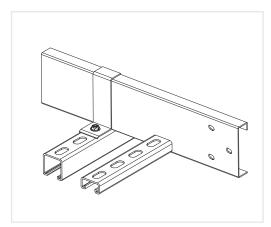
Left Hand Offset Reducer KTCL 50 / 100 / 130 . LHR / Width



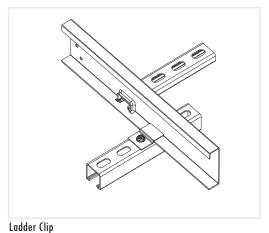
Right Hand Offset Reducer KTCL 50 / 100 / 130 . RHR / Width



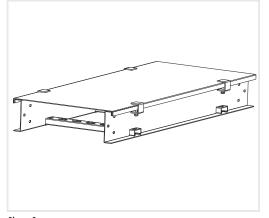
+ / size A + / size B



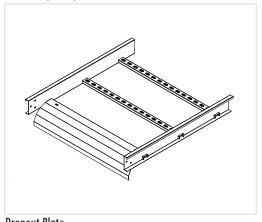
Hold Down Bracket KTCL 50 / 100 / 130 . HBD \*M10 Fixing is required



KTCLC \*M10 Fixing is required



Close Cover KTCL 50 / 100 / 130 . CC / Width

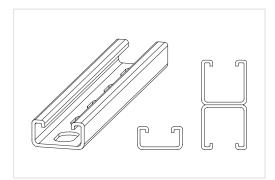


**Dropout Plate** KTCL . DP / Width



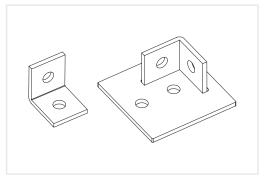
## **U-Channels** 承托骨架

This is a kind of universal strut system, allowing assembly of a wide variety of configurations quickly and easily. Plain, slotted, double or other combination of channels provide suitable configurations for different load and application requirements. The system is fully adjustable and reusable by a versatile range of fittings and accessories. Whilst the framing system is assembled, they will provide similar strength as welding connections. This system is designed for multi-purpose application without hot works.



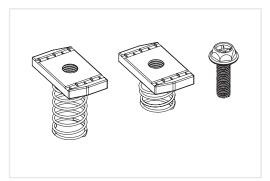
#### Channels

Manufactured from high quality mild steel, pre-galvanized steel or stainless steel comply to BS 6946 standard.



#### **Fittings**

Manufactured from steel bar comply to BS EN 10277 and shall be zinc plate to BS 7371-12, stainless steel 304 / 316 or hot-dipped galvanized to ISO 1461 finished available to order.



Long / short spring nut & hex head screw



Channel nut w/o spring & hex head screw

Manufactured from steel bar comply to BS EN 10277 and shall be zinc plate to BS 7371-12 or stainless steel 304 / 316 Available threaded size M6 / M8 / M10 / M12 / M16



## **Application Method**



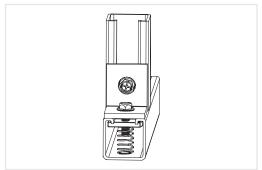
Insert channel nut anywhere along the continuous channel slots. Spring holds back nut in place.



A 90° twist to allow serrated edge of the channel nut to grip in-turned lips of the channel.



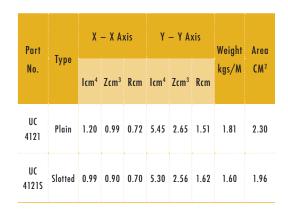
Place appropriate fitting over channel nut and insert bolt 3. for connection.



To tighten bolt with wrench for complete assembly.

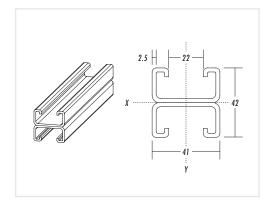


## U-Channels 承托骨架

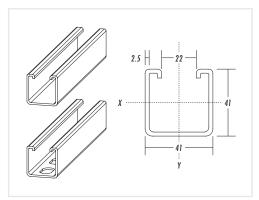


2.5
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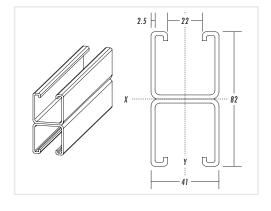
Part	T	χ	– X A:	xis	Y	– Y A:		Weight	Area
No.	Type	lcm <sup>4</sup>	Zcm³	Rcm	Icm <sup>4</sup>	Zcm³	Rcm	kgs/M	CM <sup>2</sup>
UCD 4121	Plain	5.68	3.13	1.13	10.74	5.20	1.55	3.62	4.46



Part	T	X	– X A:	xis	Y	— Ү Ах		Weight	Area
No.	Туре	Icm <sup>4</sup>	Zcm³	Rcm	Icm <sup>4</sup>	Zcm³	Rcm	kgs/M	CM <sup>2</sup>
UC 4141	Plain	7.36	3.15	1.48	9.28	4.5	1.65	2.66	3.30
UC 4141S	Slotted	6.15	2.92	1.43	9.25	4.46	1.74	2.50	3.00



Part	-	χ	— X A:	xis	Y	– Y A:		Weight	Area
No.	Type	lcm <sup>4</sup>	Zcm³	Rcm	m Icm <sup>4</sup> Zcm	Zcm³	Rcm	kgs/M	CM <sup>2</sup>
UCD 4141	Plain	36.30	8.85	2.33	18.52	8.96	1.66	5.30	6.60



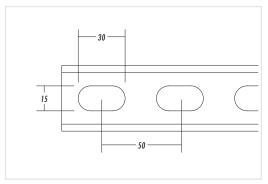
All U-channels supplied in standard length 3 meter. Special length is also available upon customer request.

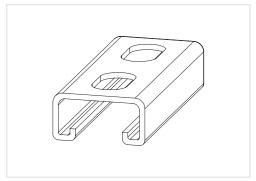
#### Materials Standard:

- Galvanized Steel Sheet to BS4678
   Part 1: Class 3 Protection to BS EN10143
   /BS EN10346 (Coating Mass 275g/m2)
- Mild Steel Sheet to BS1449-1 or BS
   EN 10149-1 finished in Hot-dipped
   Galvanized after Perforation to IS01461
- Stainless Steel to Grade 304 or Grade

Other Material or Coating:

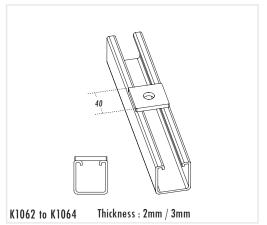
- Aluminum Steel Sheet
- Plastic Coated
- Epoxy / Polyester Powder Coated



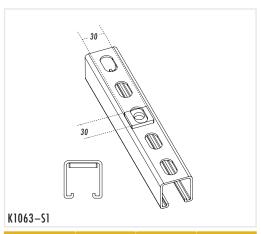


Standard slot size: 30mm x 15mm x 50mm pitch

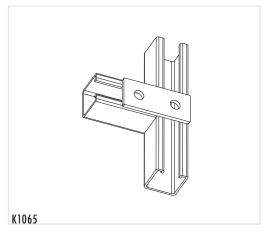


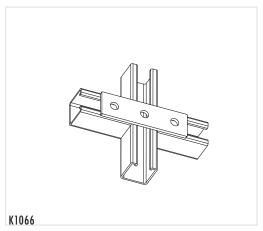


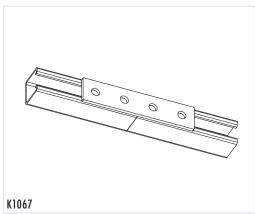
	Hole Size (mm)	Thread Size (mm)	Weight Each
1062	8	6	37
1062/A	10	8	36
1063	12	10	35
1064	14	12	34

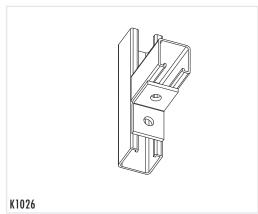


	Hole Size (mm)	Thread Size (mm)	Weight Each ( g )
1063-51/06	8	6	20
1063-51/08	10	8	19
1063-51/10	12	10	18
1063-51/12	14	12	17









#### Fitting specification (unless noted):

Holes: 13mm diameter

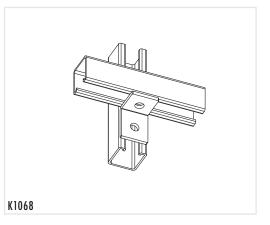
Hole spacing: 20mm from end and 48mm

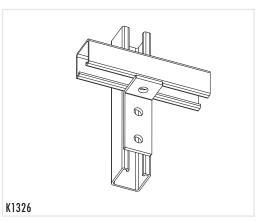
on center; Width: 40mm;

Thickness 5mm (Order hardware

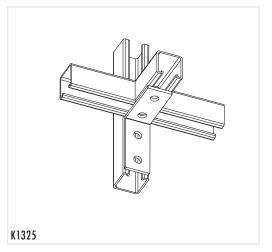
separately)

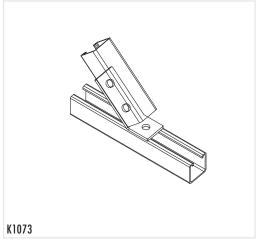
Standard Finishes: GI / HDG / SS304 /



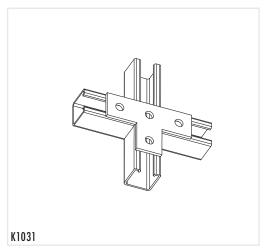


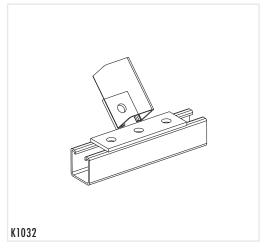


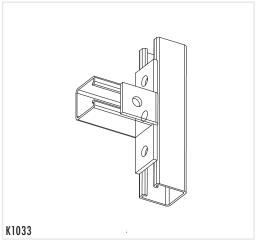


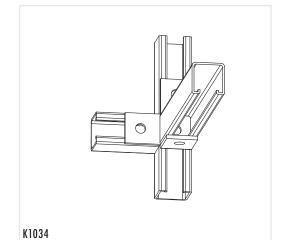


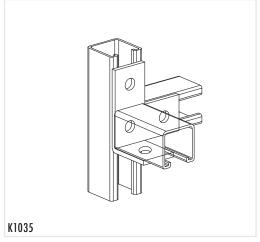












#### Fitting specification (unless noted):

Holes: 13mm diameter

Hole spacing : 20mm from end and 48mm  $\,$ 

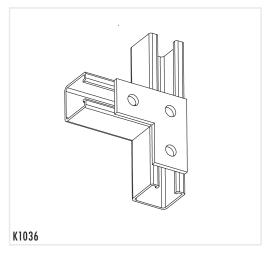
on center; Width: 40mm;

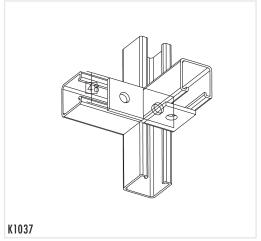
Thickness 5mm (Order hardware

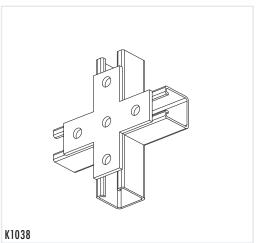
separately)

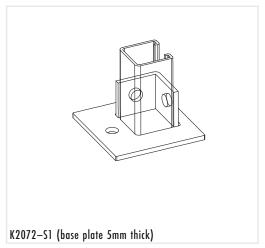
Standard Finishes: GI / HDG / SS304 /

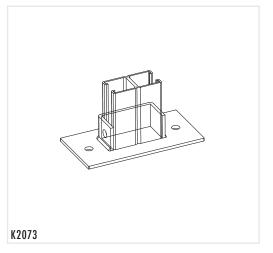


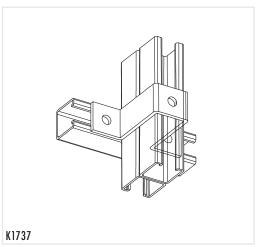


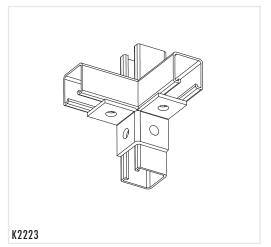


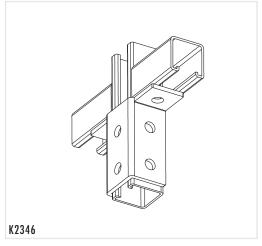












#### Fitting specification (unless noted):

Holes: 13mm diameter

Hole spacing: 20mm from end and 48mm

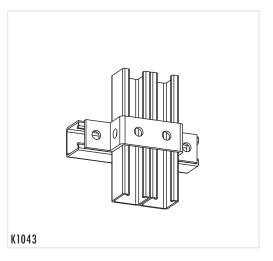
on center; Width: 40mm;

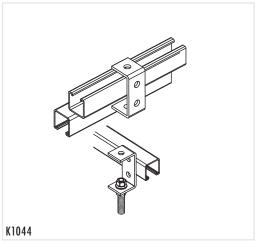
Thickness 5mm (Order hardware

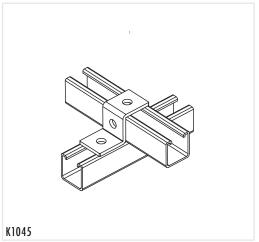
separately)

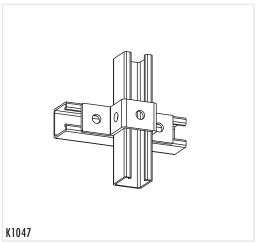
Standard Finishes: GI / HDG / SS304 /

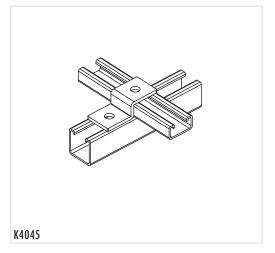


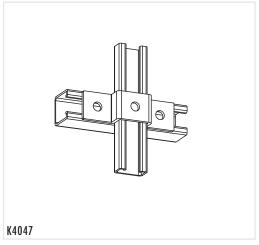


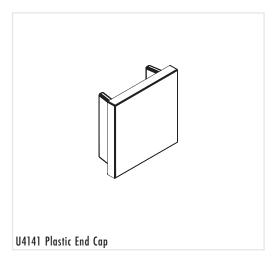








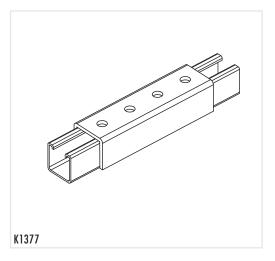


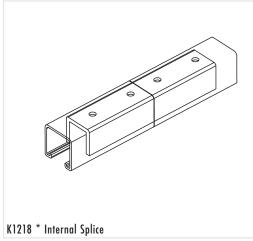


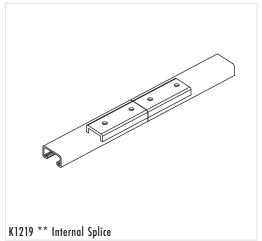


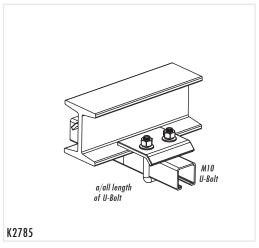
- \* U4141 is manufactured from PVC and finished in white color, for use with UC4141 and UC4141S channel.
- \*\* U4121 is manufactured from PVC and finished in white color, for use with UC4121 and UC4121S channel.

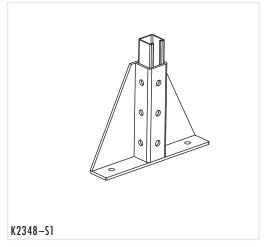


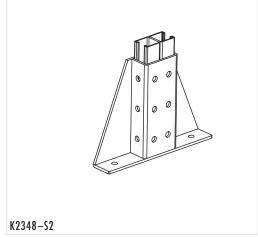












- \* K1218 for use with UC4141, and UCD4141 channel. N.B.4 No. M6 Pan head fixing screws are included.
- \*\* K1219 for use with UC4121, and UCD4121 channel. N.B.4 No. M6 Pan head fixing screws are included.

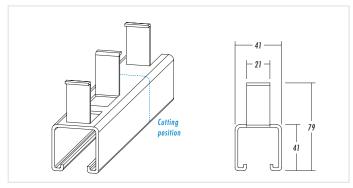


## **Concrete Inserts** 混凝土嵌件

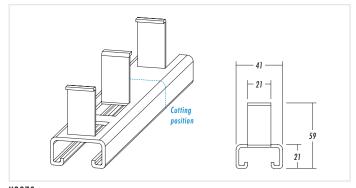
Concrete Inserts have the same general specifications as the similar single channel sections but are provided with anchor lugs spaced along their reveres side. They are supplied ready packed with polystyrene foam to avoid concerte entering the channel during pouring. The standard length is 6.0M.

Inserts should be fixed to the wooden shuttering by nailing through the foam filling (in the cut-out holes) and the concrete is then poured. When the shuttering is removed and the foam pulled out, each insert presents an open channel face, flush with the surface of the concrete and capable of accepting the range of brackets.

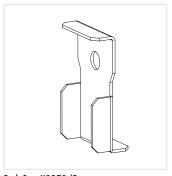
The following data is based upon tests carried out on inserts set into vibrated mix concrete blocks, maximum aggregate size 20mm, with a crushing strength of 30 N/ mm2 after 28 days.



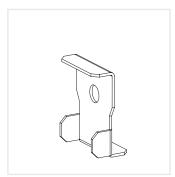
K3270



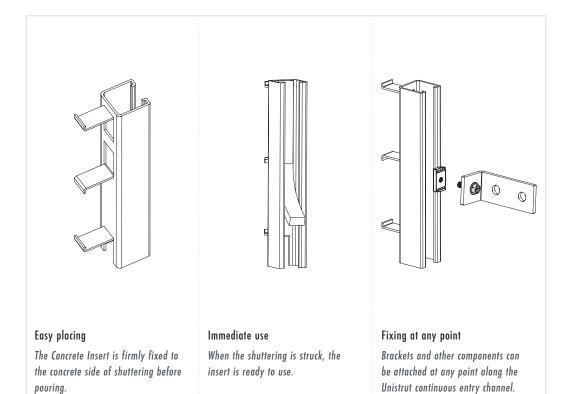
K3370



End Cap K3270/E



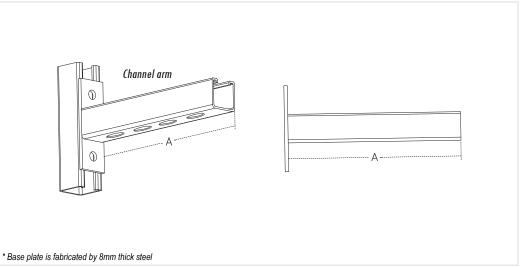
End Cap K3370/E



The Benefits

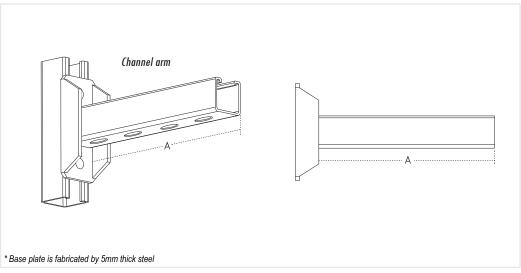


## **Cantilever Arms** 懸臂配件



#### K2663

Part No.	A mm	Recommended UDL kgf for vertical channel UC 4141	Weight each kg
K2663 / 150	150	680	0.80
K2663 / 300	300	356	1.17
K2663 / 450	450	240	1.59
K2663 / 600	600	181	2.03
K2663 / 750	750	143	2.53



#### K2664

Part No.	A mm	Recommended UDL kgf for vertical channel UC 4141	Weight each kg
K2664 / 150	150	680	0.91
K2664 / 300	300	475	1.40
K2664 / 450	450	300	1.69
K2664 / 600	600	225	2.23
K2664 / 750	750	180	2.58

#### Fitting specification (unless noted):

Holes: 13mm diameter

Hole spacing: 20mm from end and 48mm

on center;

Width: 40mm;

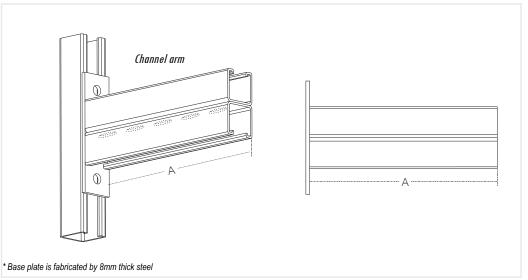
Thickness 5mm (Order hardware

separately)

Standard Finishes: GI / HDG / SS304 /

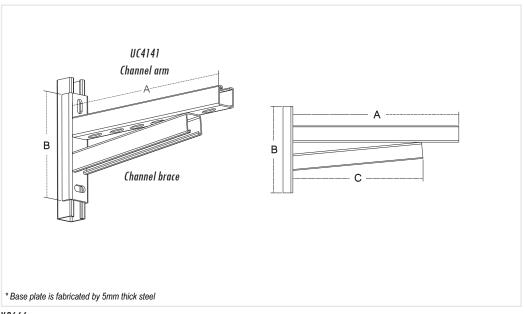


## **Cantilever Arms** 懸臂配件



#### K2665

KZUUJ				
Part No.	A mm	Recommended UDL kgf for vertical channel UCD 4141	Weight each kg	
K2665 / 300	300	609	2.13	
K2665 / 450	450	410	2.31	
K2665 / 600	600	309	3.72	
K2665 / 750	750	248	4.66	



#### K2666

Part No.	A mm	B mm	C mm	Recommended UDL kgf for vertical channel UC 4141	Weight each kg
K2666 / 700	700	270	585	460	3.82
K2666 / 900	900	330	748	460	4.78
K2666 / 1050	1050	380	906	460	5.67

#### Fitting specification (unless noted):

Holes: 13mm diameter

Hole spacing: 20mm from end and 48mm

on center;

Width: 40mm;

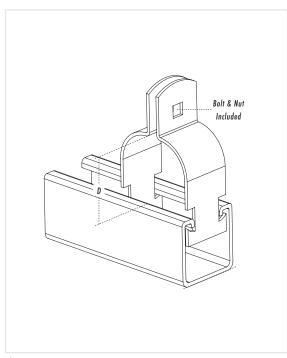
Thickness 5mm (Order hardware

separately)

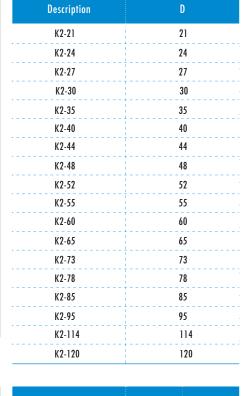
Standard Finishes: GI / HDG / SS304 /

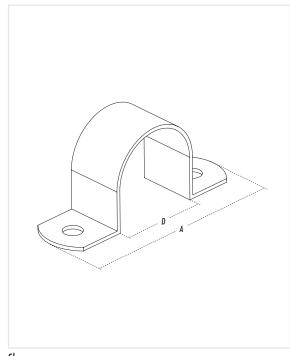


Cable & **Pipe Clamps** 電線及管道夾碼



Clamp Finish - ZP/HDG/SS304/SS316



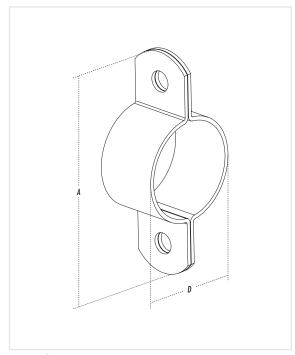


Description	D	A
K3 - 19	19	75
K3 - 27	27	83
K3 - 34	34	90
K3 - 48	48	114
K3 - 60	60	126
K3 - 76	76	162
K3 - 89	89	175
K3 - 102	102	188
K3 - 114	114	200
K3 - 140	140	230
K3 - 152	152	242
K3 - 168	168	258
K3 - 203	203	293

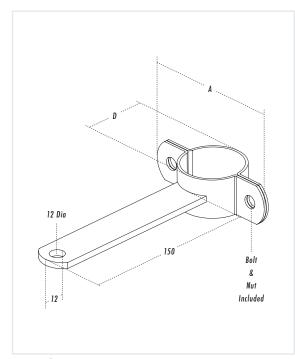
ClampFinish - HDG/SS304/SS316



Cable & **Pipe Clamps** 電線及管道夾碼



Hanger Clamp Finish - HDG/SS304/SS316



Hanger Clamp Finish - HDG/SS304/SS316

Description	D	A
K4 - 19	19	75
K4 - 27	27	83
K4 - 34	34	90
K4 - 48	48	114
K4 - 60	60	126
K4 - 76	76	162
K4 - 88	88	172
K4 - 102	102	188
K4 - 114	114	200
K4 - 127	127	213
K4 - 140	140	230
K4 - 152	152	242
K4 - 168	168	258
K4 - 178	178	268
K4 - 203	203	293

Description	D	A
K5 - 19	19	75
K5 - 27	27	83
K5 - 34	34	90
K5 - 48	48	114
K5 - 60	60	126
K5 - 76	76	162
K5 - 89	89	175
K5 - 102	102	188
K5 - 114	114	200
K5 - 127	127	213
K5 - 140	140	230
K5 - 152	152	242
K5 - 168	168	258
K5 - 203	203	293



#### Pre - Galvanized

Continuous hot dip zinc coated steel sheet to BS4678, part 1 class 3. The base material is flat rolled sheet in coils suitably treated and annealed then passed through bath of molten zinc. Minimum coating designation of G275 with a coating weight of 275 g/m2 including both sides which equates to a zinc coating of 15.2  $\mu m$  each side.

#### Hot Dip Galvanized (Post - Galvanized)

Hot dip galvanized is in accordance with BS729; 1971 or ISO 1460 / 1461. Details stated in the following table.

BS729: 1971 Material Thickness	Coating Weight (Minimum Average) g/m²	Average Zinc Thickness (Microns)
5mm thick and over	610	85
Under 5mm but not less than 2mm	460	65
Under 2mm but not less than 1mm	335	47
Iron castings	610	85
Centrifuged for threaded fasteners	305	43

#### ISO 1460 / 1461

ISO1461 coating minimum masses (related to thickness) on sample which are not centrifuged.

Article and its Thickness	(a) Local coating (m/A) (minimum)		(b) Mean coating (m/A) (minimum)	
mm	g/m2	μm	g/m²	μm
Steel > 6mm	505	70	610	85
Steel > 3mm to < 6mm	395	55	505	70
Steel > 1.5mm to < 3mm	325	45	395	55
Steel < 1.5	250	35	325	45
Castings > 6mm	505	70	575	80
Castings < 6mm	430	43	505	70

ISO 1461 coating minimum masses (related to thickness) on sample which are centrifuged.

Article and its Thickness	(a) Local coating (m/A) (minimum)		(b) Mean coating (m/A) (minimum)	
mm	g/m²	μm	g/m²	μm
Articles with threads				
>20mm diameter	325	45	395	55
> 6 - < 20mm diameter	250	35	325	45
< 6mm diameter	145	20	180	25
Other articles (including coating)				
< 3mm	325	45	395	55
< 3mm	250	35	325	45

- (a) Local coating mass: The value of coating mass obtained from a single gravimetric test.
- (b) Mean coating mass: The average value of the coating determined either by using a control sample selected according to clause 5 with tests according to ISO 1460 or by conversion of the mean coating thickness. (The average value of the local thickness either on one large article or on all the articles in the control sample).
- (c) Sampling: A control sample for thickness testing shall be taken randomly from each inspection lot selected for testing. The minimum number of articles from each inspection lot to form the control sample shall be according to the following table.

#### Control sample size related to lot size

Acceptance inspection shall be undertaken before the products leave the hot dip galvanizer's factory, unless otherwise specified at the time of ordering by the purchaser.

Number of articles in the lot	Minimum number or articles in the control sample
1 to 3	All
4 to 500	3
501 to 1200	5
1201 to 3200	8
3201 to 10000	13
> 10000	20



#### **Finishes**

#### Plascoat PPA571

PPA571 is a long lasting and tough coating for exterior application. It is Halogen Free, low smoke during combustion and non toxic. Technical specification shown as below.

Appearance		Smooth	
Coverage	(100% efficiency)	min. 250 micron	
Tensile Strength	ISO 527	12 MPa	
Elongation at Break	ISO 527	800%	
Hardness	Shore A	95	
	Shore D	44	
Electrical Dielectric Strength	IEC 243 (1988)	14.5 KV/mm	
Breakdown Voltage	IEC 243 (1988)	40 rms KV	
Salt Spray	ISO 7253 (ASTN B117)	Result after 1000 hours	
	Steel	— Scribed Loss of adhesion less than 10mm from scribe.	
	— Unscribed	Under film corrosion 2-3mm, No loss of adhesion	
Chemical Resistance	Dilute Acids & Alkali	Good	
Adhesion	PSL. TM/9	A-1	
Weathering	QUV ISO 4892	2000 hours - No significant change in colour or loss of glos	
	Florida 45° facing South	3 years — No significant change in colour or loss of gloss	
Burning characteristics			
— Ignitability	BS476: Pt5: 1979	P-not easily ignitable	
— Surface spread of flame	BS476: Pt7: 1979	Class 1	
— Fire Propagation	BS476: Pt6: 1984	I = 0.2	

#### **Epoxy Powder Coated**

Epoxy Powder Coating is a thermoset type powder coatings generally for interior use, providing very good decorative properties with excellent chemical resistance. These costings are not ideally suited to prolonged exterior exposure or for use at elevated temperatures. They are available in a range of glosses and colours and in a variety of texture finishes.

#### Polyester Power Coated

Polyester Powder Coating is ideal for use on metallic building components such as aluminum profiles, sections and sheet, agricultural equipment, garden furniture and leisure products etc. The primary characteristic of polyester powder coating is its supreme colour and gloss-retention on external exposure.

#### Other Finishes

Upon client request, stainless steel 304, 316 and Glass Reinforced Plastic material (GRP) will be supplied.