

SECTION 04:

UNIKLIP® CABLE TRAY SYSTEMS



UniKlip® is our patented fast-fitting solution for cable tray installation. Based on the reliable strength and quality of Unitrunk, UniKlip® Cable Tray System has been engineered with enhanced speed of installation and ease of use, to provide a commercial advantage in a market where time efficiency is imperative.

Unitrunk's UniKlip® System for Cable Tray includes light, medium and heavy duty profile with UniKlip® and UniBolt perforations (also compatible with traditional means of installation if required).

The UniKlip® range is produced in pre-galvanized mild steel to BS EN 10346. It is compatible with tray widths up to and including size 600mm.

Fittings (and couplers) will be supplied with UniKlips and/or UniBolts depending on the size and finish of the fitting. Please refer to table on pg. 19 for further information.

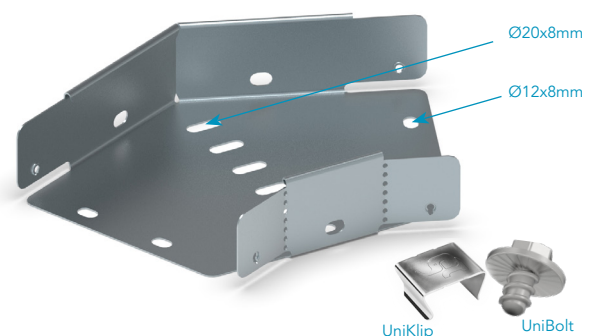
Our cable trays are fully compliant with BS EN 61537 and have been rigorously tested in accordance with the standard. They also meet the earth continuity requirements set out in BS EN 61537.

Available in various materials and finishes:

-  Zinc Magnesium* coated steel (BS EN 10346)
-  Pre-galvanized structural steel (BS EN 10346)
-  Hot dip galvanized mild steel (BS EN 10111 and Galvanising BS EN 1461)
-  Deep galvanized structural steel (BS EN 10025-5 and Galvanising BS EN 1461)**
-  Stainless steel grade 1.4404 (316L marine, BS EN 10088-2)**

* Zinc Magnesium coating provides high corrosion protection, comparable to GA finish.

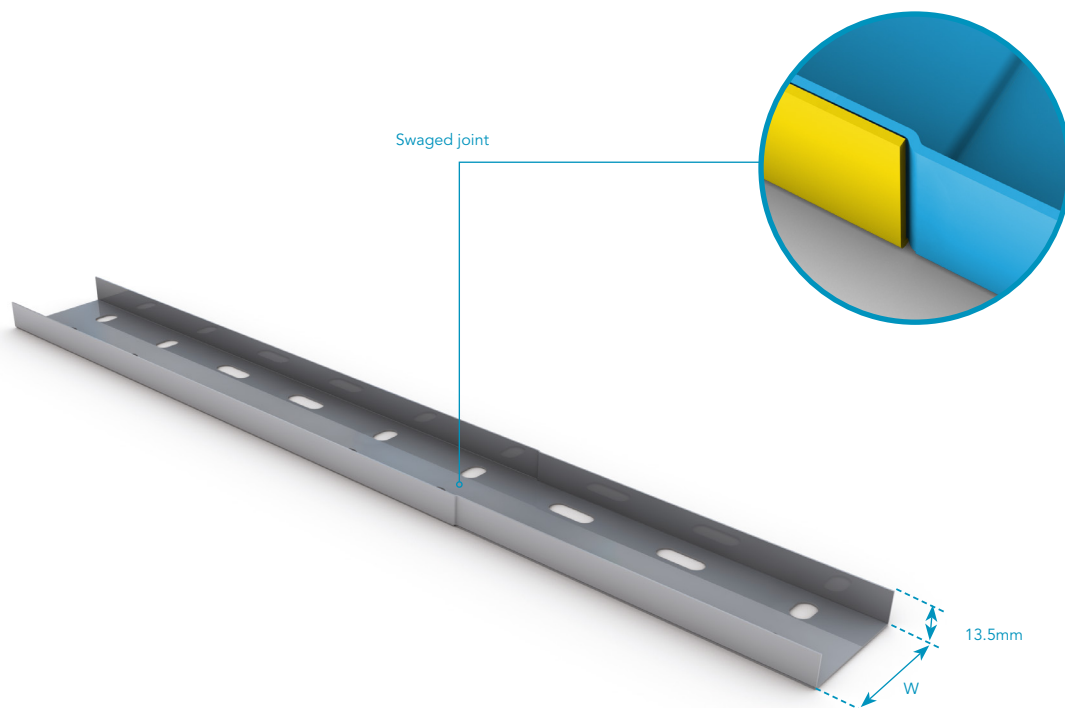
**GA, GX and SS finishes are only compatible with nut and bolt fixings.



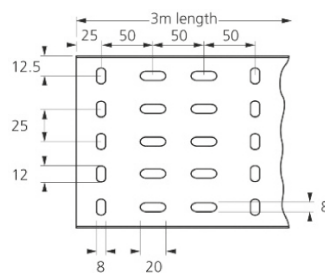
Light Duty Cable Tray

(in accordance with BS 61537)

Light duty tray lengths are available up to and including KLLD225T. They are manufactured with one swaged end for ease of coupling and to eliminate the need for couplers. A range of gauges is available on request.

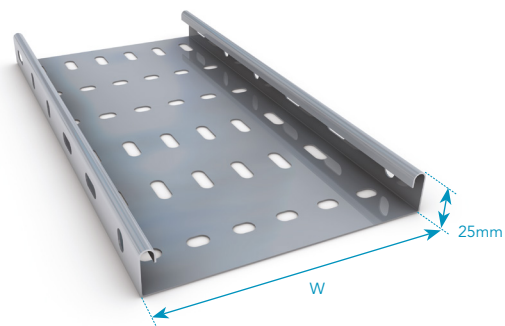


Part Code	W (mm)
KLLD50T	50
KLLD75T	75
KLLD100T	100
KLLD150T	150
KLLD225T	225



Medium Duty Cable Tray (in accordance with BS EN 61537)

Part Code	Tray Width (mm)
KLMR50T	50
KLMR75T	75
KLMR100T	100
KLMR150T	150
KLMR225T	225
KLMR300T	300
KLMR450T	450
KLMR600T	600
KLMR750T	750
KLMR900T	900



UniKlip®



Part Code

KLIP4

Supplied in packs of 4.

UniBolt



Part Code

UNIBOLT4

Supplied in pack of 4.

Tray Divider



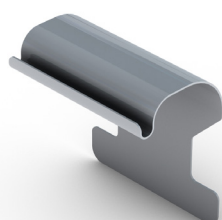
Part Code

KLMR/DF

Length (mm)

3000

Tray to Channel Klip

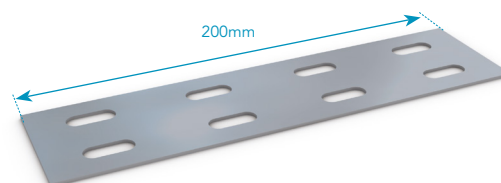


Part Code

CHTR 25

Sold individually.

Fish Plate



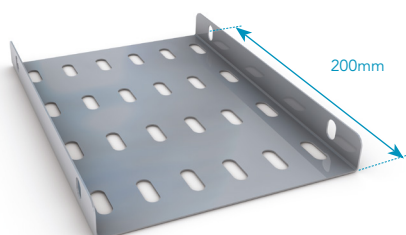
Part Code

FP 150-600

Length (mm)

200

Fish Plate Coupler



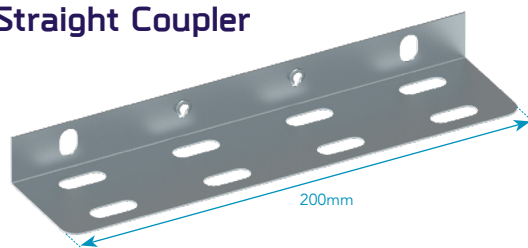
Part Code

KLMR/FPC 50-600

Length (mm)

200

Straight Coupler



Part Code

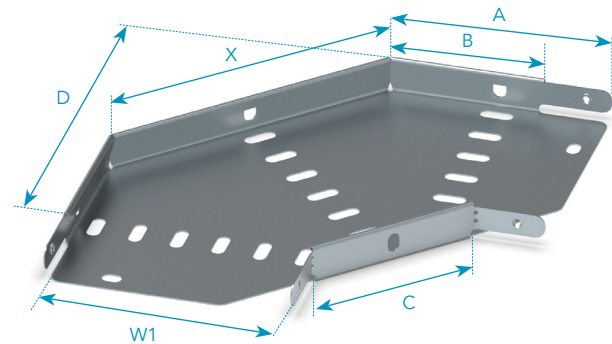
KLMR/SC

Length (mm)

200

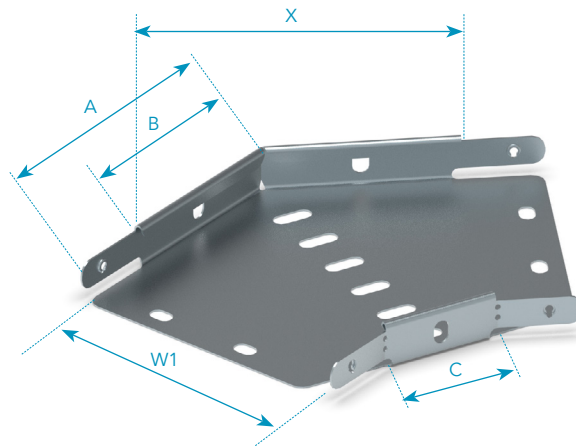
Sold in pairs. Couplers are required for length to length assembly.

Flat 90° Bend



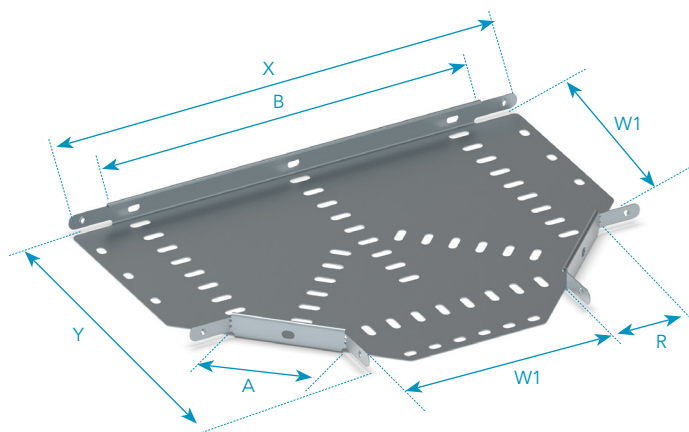
Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Connection
KLMR50FB90	50	49.5	75	103	92	52	105.5	125.5	Quickfix
KLMR75FB90	75	74.5		123	103	62		150.5	
KLMR100FB90	100	99.5		144	113	73		175.5	
KLMR150FB90	150	149.5		186	134	93		225.5	
KLMR225FB90	225	224.5		248	165	124		300.5	
KLMR300FB90	300	299.5	100	331	206	166	141	400.5	
KLMR450FB90	450	449.5		455	268	228		550.5	
KLMR600FB90	600	599.5		579	330	290		700.5	
MR750FB90	750	749.5	150	744	413	373	211.5	900.5	Nut & Bolt
MR900FB90	900	899.5		868	475	435		1050.5	

Flat 45° Bend



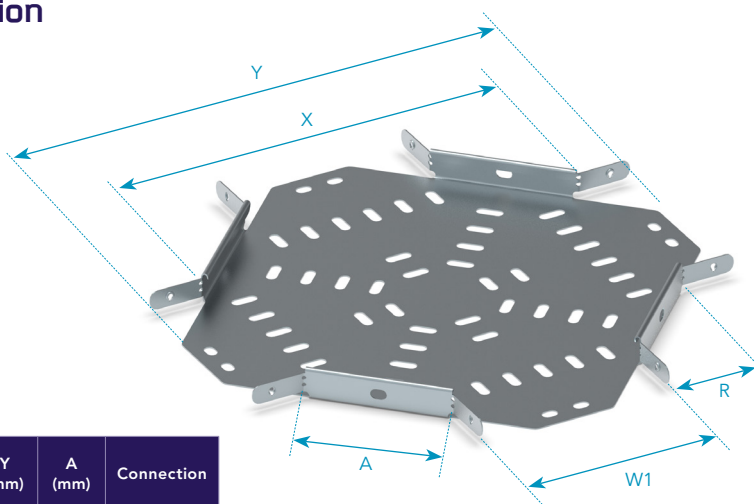
Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	A (mm)	B (mm)	C (mm)	Connection
KLMR50FB45	50	49.5	75	97	92	52	58.5	Quickfix
KLMR75FB45	75	74.5		117	103	63		
KLMR100FB45	100	99.5		136	113	73		
KLMR150FB45	150	149.5		174	132	94		
KLMR225FB45	225	224.5		231	165	125		
KLMR300FB45	300	299.5	100	100	308	206	77.5	
KLMR450FB45	450	449.5		423	268	228		
KLMR600FB45	600	599.5		537	330	290		
MR750FB45	750	749.5	150	691	413	373	116.1	Nut & Bolt
MR900FB45	900	899.5		805	475	435		

Flat Equal Tee



Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	B (mm)	Y (mm)	A (mm)	Connection
KLMR50ET	50	49.5	75	281.5	204	157.4	104	Quickfix
KLMR75ET	75	74.5		306.5	229	191.4		
KLMR100ET	100	99.5		331.5	254	216.4		
KLMR150ET	150	149.5		381.5	304	266.4		
KLMR225ET	225	224.5		456.5	379	341.4		
KLMR300ET	300	299.5		531.5	454	416.4		
KLMR450ET	450	449.5		681.5	604	566.7		
KLMR600ET	600	599.5		831.5	754	716.7		
MR750ET	750	749.5	150	1131.5	1054	942	210.5	Nut & Bolt
MR900ET	900	899.5		1281.5	1204	1092		

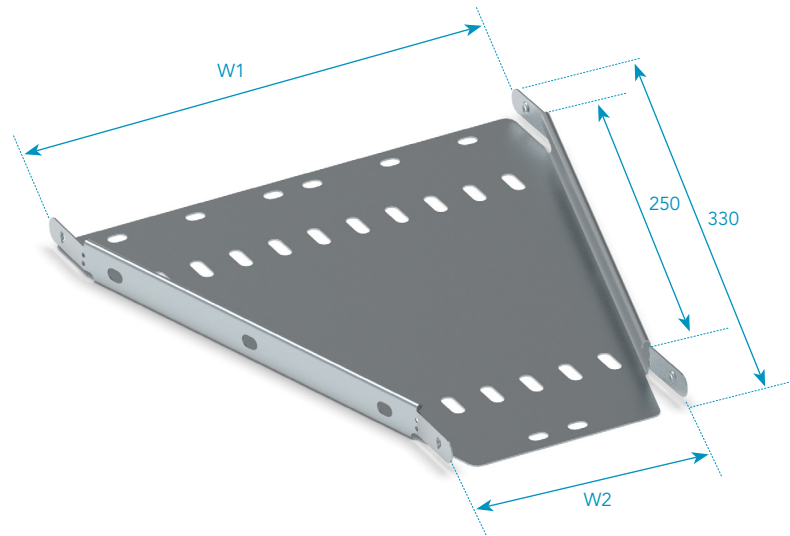
Flat 4 Way Equal Intersection



Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	Y (mm)	A (mm)	Connection
KLMR50FW	50	49.5	75	201	178	106.5	Quickfix
KLMR75FW	75	74.5		226	213		
KLMR100FW	100	99.5		251	249		
KLMR150FW	150	149.5		301	319		
KLMR225FW	225	224.5		376	425		
KLMR300FW	300	299.5		451	531		
KLMR450FW	450	449.5		601	744		
KLMR600FW	600	599.5		751	955		
MR750FW	750	749.5	150	1051	1277	212.4	Nut & Bolt
MR900FW	900	899.5		1201	1490		

R: Radius

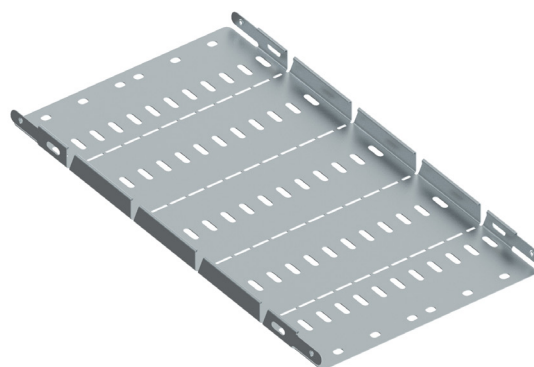
Reducer



Product Code	W1 (mm)	W2 (mm)	Connection
KLMR100-50SR	99.5	49.5	Quickfix
KLMR150-50SR	149.5	49.5	
KLMR225-100SR	224.5	99.5	
KLMR225-150SR	224.5	149.5	
KLMR300-100SR	299.5	99.5	
KLMR300-150SR	299.5	149.5	
KLMR300-225SR	299.5	224.5	
KLMR450-225SR	449.5	224.5	
KLMR450-300SR	449.5	299.5	
KLMR600-300SR	599.5	299.5	
KLMR600-450SR	599.5	449.5	

Variable Riser

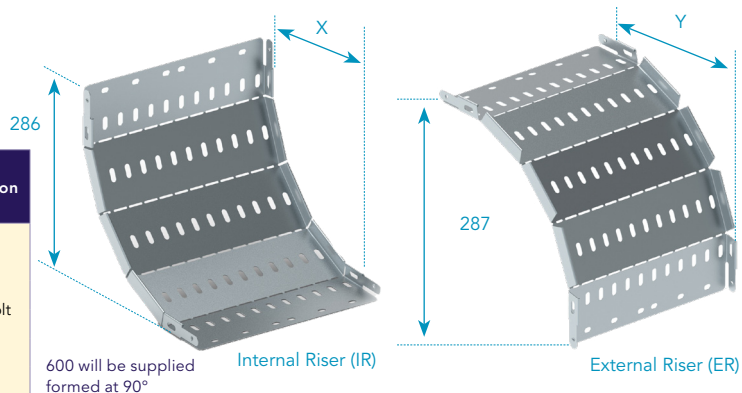
Product Code	Tray Width	W1	R (Radius mm)	X (mm)	Y (mm)	Connection
KLMR50VR	50	49.5	250	222	269	Quickfix
KLMR75VR	75	74.5				
KLMR100VR	100	99.5				
KLMR150VR	150	149.5				
KLMR225VR	225	224.5				
KLMR300VR	300	299.5				
KLMR450VR	450	449.5				
KLMR600VR	600	599.5				



(Fitting widths W. Sizes in mm)
Standard radius: 300mm.

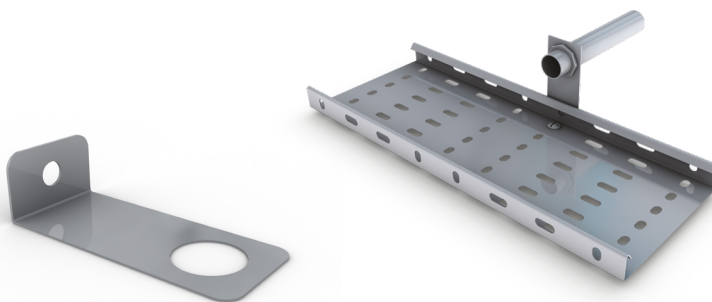
Internal/External Riser

Product Code	Tray Width	R (Radius mm)	X (mm)	Y (mm)	Connection
KLMR600IR90	600	250	222	-	Nut & Bolt
KLMR600ER90	600		-	269	
MR750IR90	750		222	-	
MR750ER90	750		-	269	
MR900IR90	900		222	-	
MR900ER90	900		-	269	



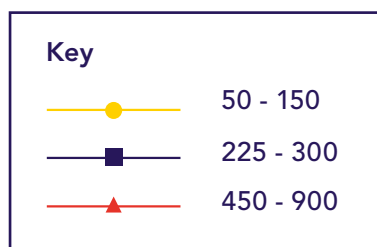
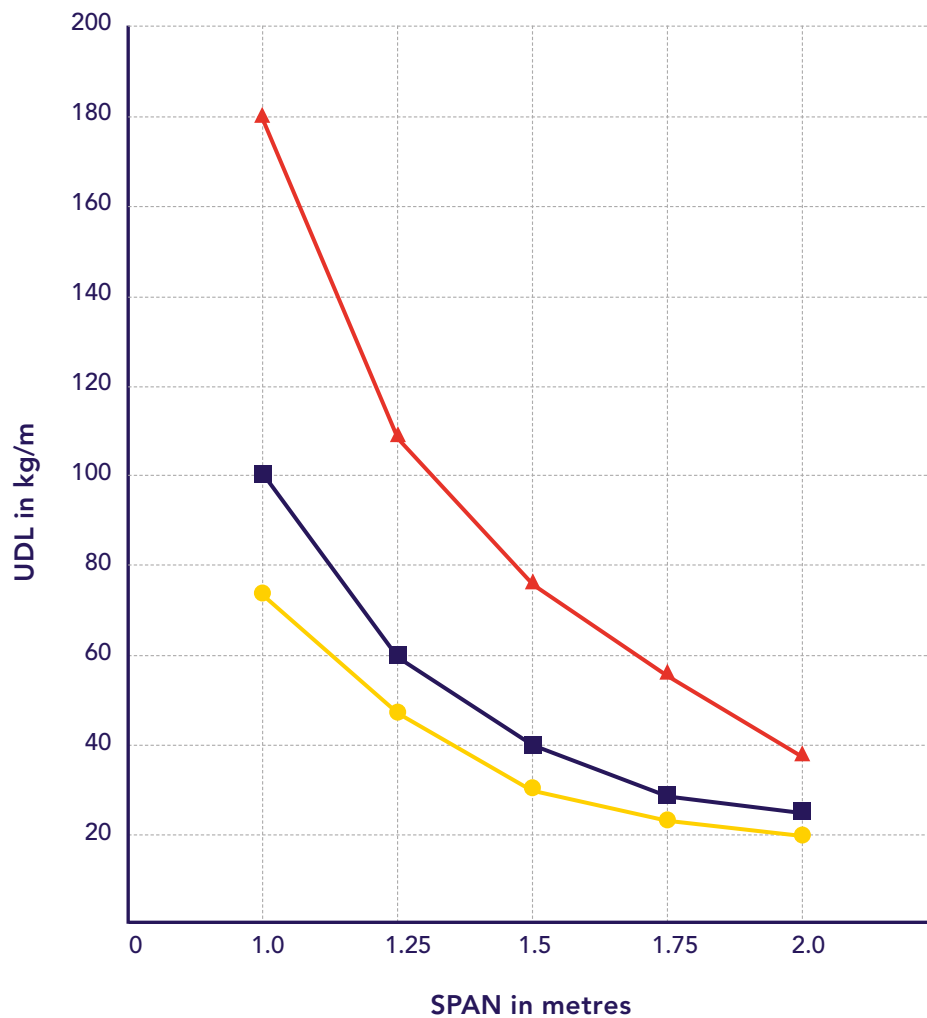
Conduit Take-off Plate

Part Code	Length (mm)
TRCB20	20
TRCB25	25



Suitable For Light/Medium/Heavy.

LOADING DATA FOR ALL UNITRUNK MR CABLE TRAY SYSTEMS



Heavy Duty Cable Tray (in accordance with BS 61537)

Part Code	Tray Width (mm)
KLHR50T	50
KLHR75T	75
KLHR100T	100
KLHR150T	150
KLHR225T	225
KLHR300T	300
KLHR450T	450
KLHR600T	600
KLHR750T	750
KLHR900T	900



UniKlip®



Part Code

KLIP4

Supplied in packs of 4.

UniBolt



Part Code

UNIBOLT4

Supplied in pack of 4.

Tray Divider



Part Code

KLMR/DF

Length (mm)

3000

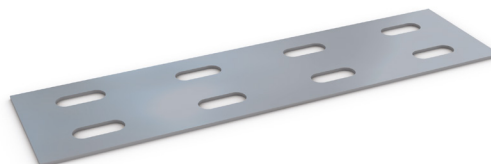
Tray to Channel Klip



Part Code

CHTR 50

Fish Plate



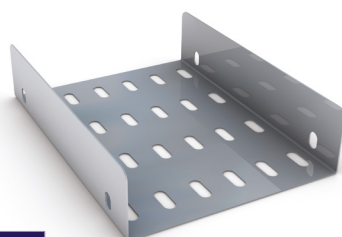
Part Code

FP 150-600

Length (mm)

200

Fish Plate Coupler



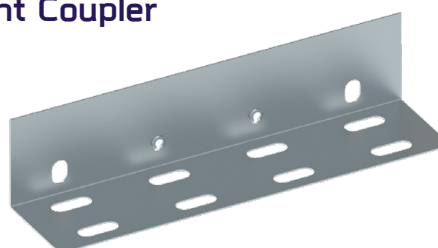
Part Code

KLHR/FPC 50-600

Length (mm)

200

Straight Coupler



Part Code

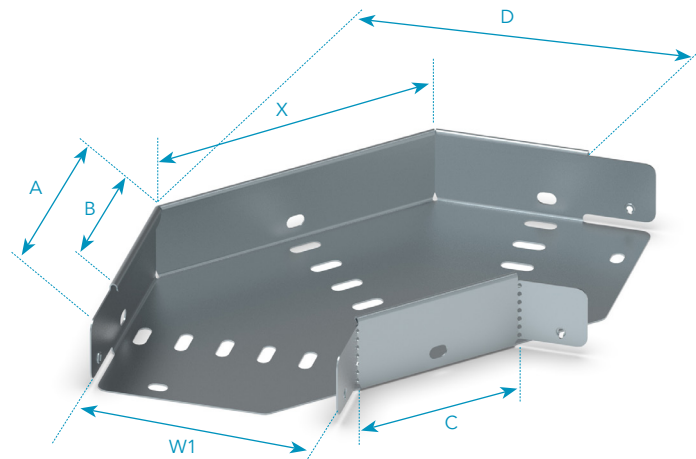
KLHR/SC

Length (mm)

200

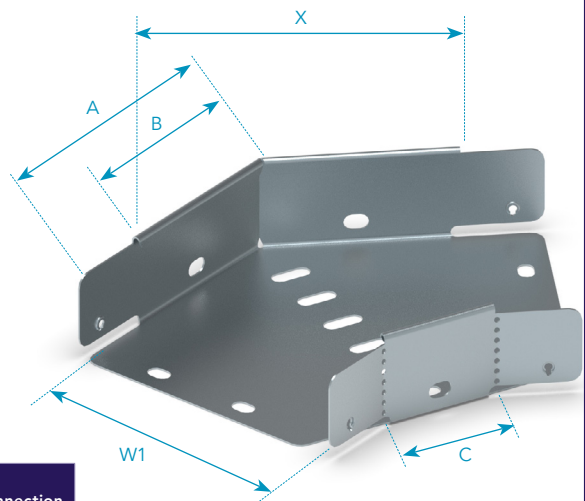
Sold in pairs. Couplers are required for length to length assembly.

Flat 90° Bend



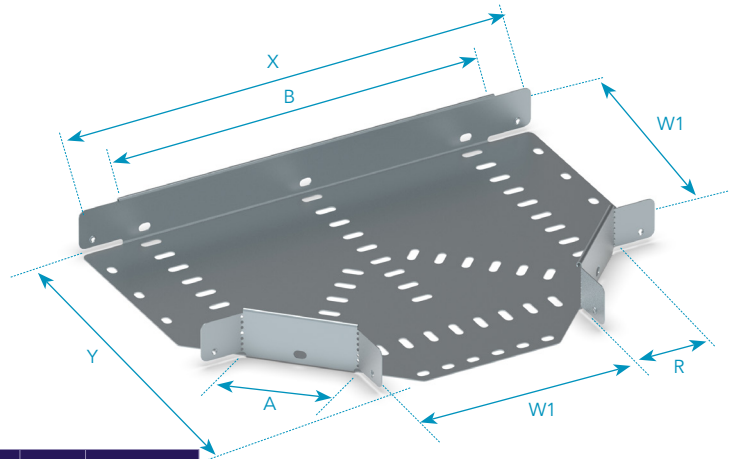
Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	Y (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Connection
KLHR50FB90	50	49.5	75	103	72	92	52	105.5	125.5	Quickfix
KLHR75FB90	75	74.5		123	97	103	62		150.5	
KLHR100FB90	100	99.5		144	122	113	73		175.5	
KLHR150FB90	150	149.5		186	172	134	93		225.5	
KLHR225FB90	225	224.5		248	247	165	124		300.5	
KLHR300FB90	300	299.5	100	331	329	206	166	141	400.5	Nut & Bolt
KLHR450FB90	450	449.5		455	479	268	228		550.5	
KLHR600FB90	600	599.5		579	629	330	290		700.5	
HR750FB90	750	749.5	150	744	794	413	373	211.5	900.5	Nut & Bolt
HR900FB90	900	899.5		868	944	475	435		1050.5	

Flat 45° Bend



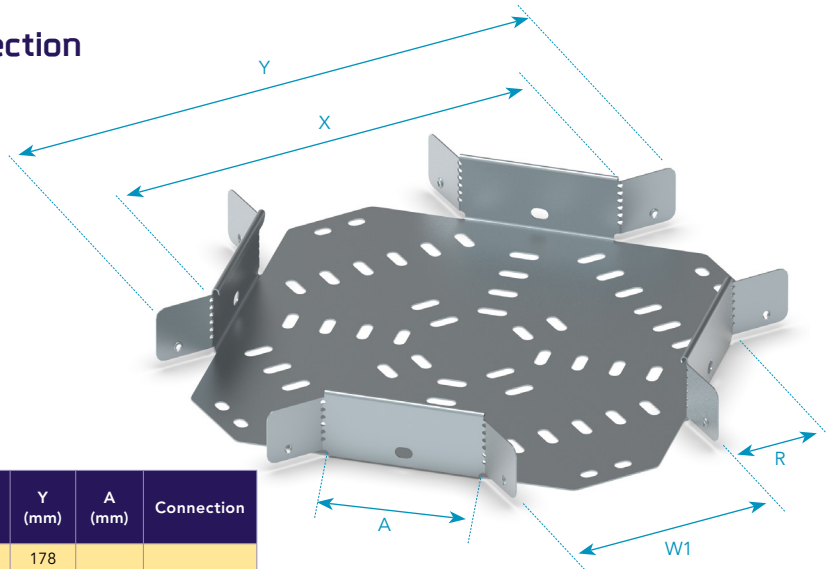
Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	A (mm)	B (mm)	C (mm)	Connection
KLHR50FB45	50	49.5	75	97	92	52	58.5	Quickfix
KLHR75FB45	75	74.5		117	103	63		
KLHR100FB45	100	99.5		136	113	73		
KLHR150FB45	150	149.5		174	132	94		
KLHR225FB45	225	224.5		231	165	125		
KLHR300FB45	300	299.5	100	308	206	166	77.5	Nut & Bolt
KLHR450FB45	450	449.5		423	268	228		
KLHR600FB45	600	599.5		537	330	290		
HR750FB45	750	749.5	150	691	413	373	116.1	Nut & Bolt
HR900FB45	900	899.5		805	475	435		

Flat Equal Tee



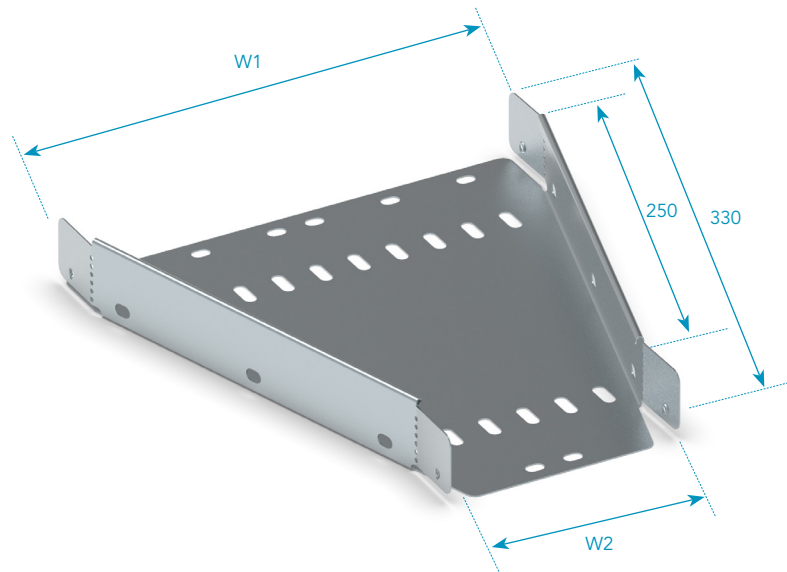
Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	B (mm)	Y (mm)	A (mm)	Connection
KLHR50ET	50	49.5	75	281.5	204	157.4	104	Quickfix
KLHR75ET	75	74.5		306.5	229	191.4		
KLHR100ET	100	99.5		331.5	254	216.4		
KLHR150ET	150	149.5		381.5	304	266.4		
KLHR225ET	225	224.5		456.5	379	341.4		
KLHR300ET	300	299.5		531.5	454	416.4		
KLHR450ET	450	449.5		681.5	604	566.7		
KLHR600ET	600	599.5	150	831.5	754	716.7	210.5	Nut & Bolt
HR750ET	750	749.5		1131.5	1054	942		Nut & Bolt
HR900ET	900	899.5		1281.5	1204	1092		

Flat 4 Way Equal Intersection



Product Code	Tray Width (mm)	W1 (mm)	R (Radius mm)	X (mm)	Y (mm)	A (mm)	Connection
KLHR50FW	50	49.5	75	201	178	106.5	Quickfix
KLHR75FW	75	74.5		226	213		
KLHR100FW	100	99.5		251	249		
KLHR150FW	150	149.5		301	319		
KLHR225FW	225	224.5		376	425		
KLHR300FW	300	299.5		451	531		
KLHR450FW	450	449.5		601	744		
KLHR600FW	600	599.5	150	751	955	212.4	Nut & Bolt
HR750FW	750	749.5		1051	1277		Nut & Bolt
HR900FW	900	899.5		1201	1490		

Reducer

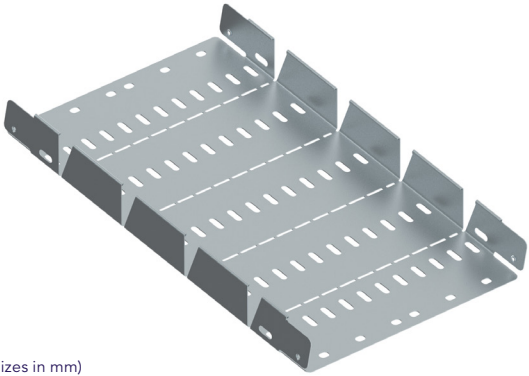


Product Code	W1 (mm)	W2 (mm)	Connection
KLHR100-50SR	99.5	49.5	Quickfix
KLHR150-50SR	149.5	49.5	
KLHR225-100SR	224.5	99.5	
KLHR225-150SR	224.5	149.5	
KLHR300-100SR	299.5	99.5	
KLHR300-150SR	299.5	149.5	
KLHR300-225SR	299.5	224.5	
KLHR450-225SR	449.5	224.5	
KLHR450-300SR	449.5	299.5	
KLHR600-300SR	599.5	299.5	
KLHR600-450SR	599.5	449.5	

Variable Riser

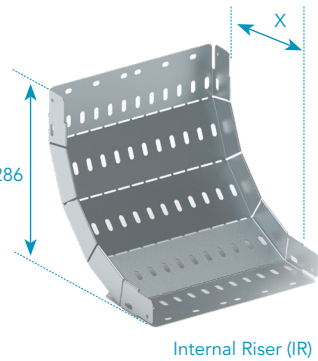
Product Code	Tray Width (mm)	R (Radius mm)	X (mm)	Y (mm)	Connection
KLHR50VR	50	250	197	294	Quickfix
KLHR75VR	75				
KLHR100VR	100				
KLHR150VR	150				
KLHR225VR	225				
KLHR300VR	300				
KLHR450VR	450				
KLHR600VR	600				

(Fitting widths W. Sizes in mm)
Standard radius: 300mm.

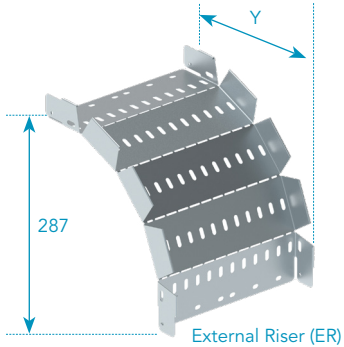


Internal/External Riser

Product Code	Tray Width (mm)	R (Radius mm)	X (mm)	Y (mm)	Connection
KLHR600IR90	600	250	197	-	Nut & Bolt
KLHR600ER90	600		-	294	
HR750IR90	750		197	-	
HR750ER90	750		-	294	
HR900IR90	900		197	-	
HR900ER90	900		-	294	



Internal Riser (IR)



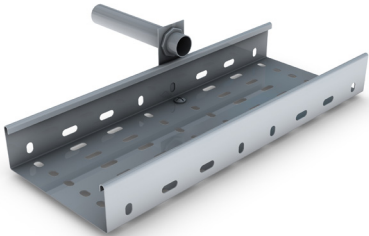
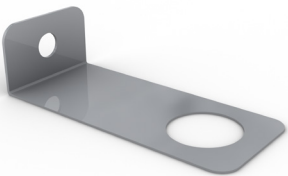
External Riser (ER)

600 will be supplied formed at 90°

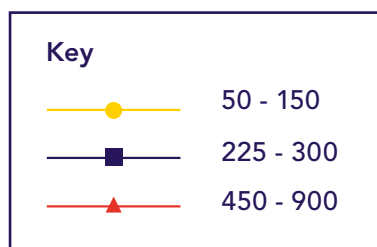
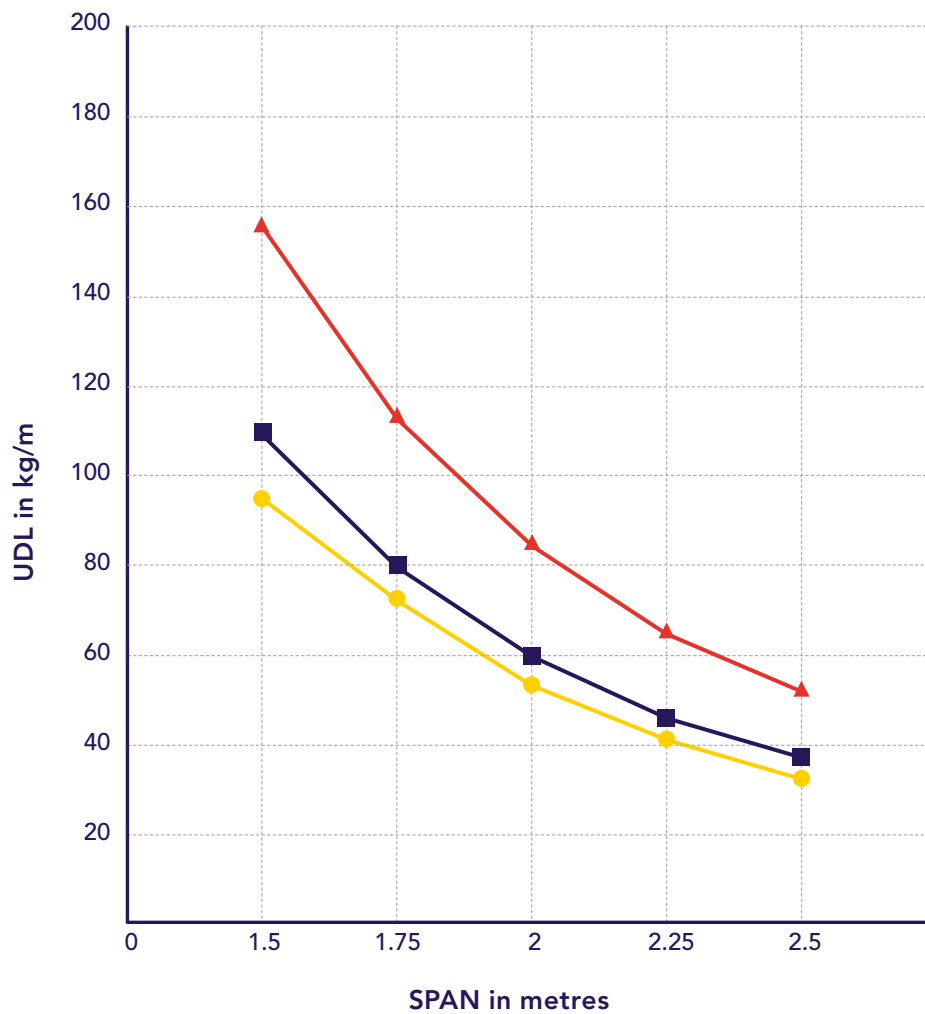
Conduit Take-off Plate

Part Code	Length (mm)
TRCB20	20
TRCB25	25

Suitable For Light/Medium/Heavy.



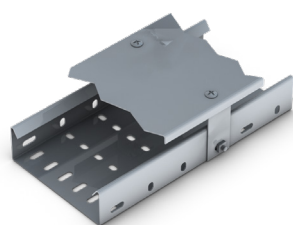
LOADING DATA FOR ALL UNITRUNK HR CABLE TRAY SYSTEMS



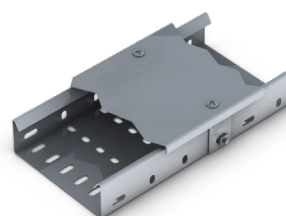
Covers & Brackets

The Unitrunk cable tray range is complimented by an extensive range of covers. Covers are available to suit the Unitrunk medium duty and Unitrunk heavy duty cable tray systems. Covers are used with cable tray to provide mechanical and environmental protection for cables and other items installed on the cable tray. Covers can be installed as either closed (non-ventilated, close-fitting) or ventilated (plain raised cover) depending on the type of cover fixing kit supplied with each cover.

Covers for straight cable tray are available in non-standard gauges to suit particular site installation requirements, consult our Sales Team for details. Ventilated covers for Unitrunk medium duty return flange cable tray have a ventilation gap of 21mm. Ventilated covers for Unitrunk heavy duty return flange cable tray have a ventilation gap of 24mm.

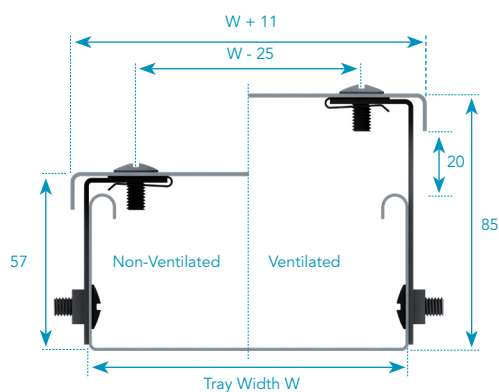


Straight Cable Tray
Ventilated (Raised) Cover

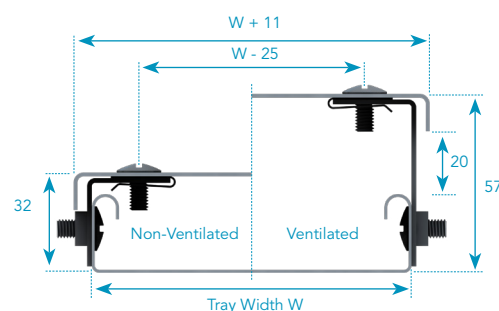


Straight Cable Tray Closed
(Non-Ventilated) Cover

Heavy Duty Cable Tray Covers



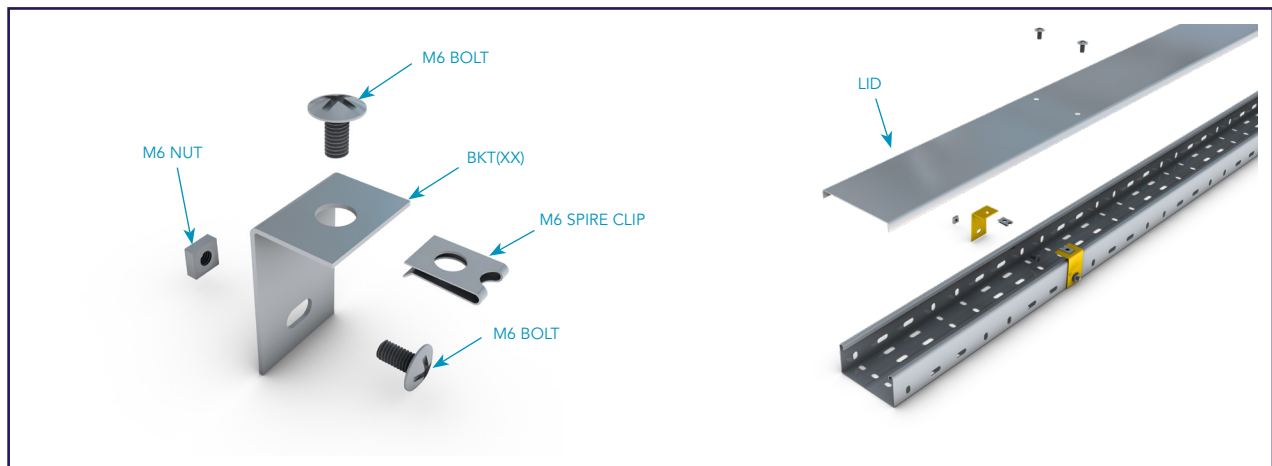
Medium Duty Cable Tray Covers



Covers Fixing Kits

Unitrunk cable tray covers are supplied complete kits with all necessary fixings. Each fixing kit comprises of a component lid, preformed mounting bracket, a corrosion resistant M6 spire clip, two M6 screws and one M6 nut.

The general method of assembly for the Unitrunk cable tray cover is as shown. This method is common to both medium and heavy duty cable trays and to cable tray fittings.



Cover Kit Code Guide

If you need specialist or bespoke products or you can't find the product specification you need, just call one of our regional offices or visit our website.

STEP 1: Product Finish

PG	Pre-Galvanised
*has no code prefix	

STEP 2: Ventilation

Part Code	Cover Type
UC	Unventilated Cover
VC	Ventilated Cover

STEP 3: Tray Side Wall

Part Code	Cover Type
MR	Medium Duty
HR	Heavy Duty

STEP 4: Tray Width

Part Code	Tray Width (mm)
50	50
75	75
100	100
150	150
225	225
300	300
450	450
600	600
750	750
900	900

STEP 5: Product Type

Part Code	Product Type
T	Cable Tray
FB90	Flat Bend 90°
FB45	Flat Bend 45°
ET	Equal Tee
FW	Fourway Intersection
ER90	External Riser 90°
IR90	Internal Riser 90°
ER45	External Riser 45°
IR45	Internal Riser 45°

Example Ordering

- Pregalvanised, Unventilated
- Medium
- Duty 100mm Wide
- Equal Tee

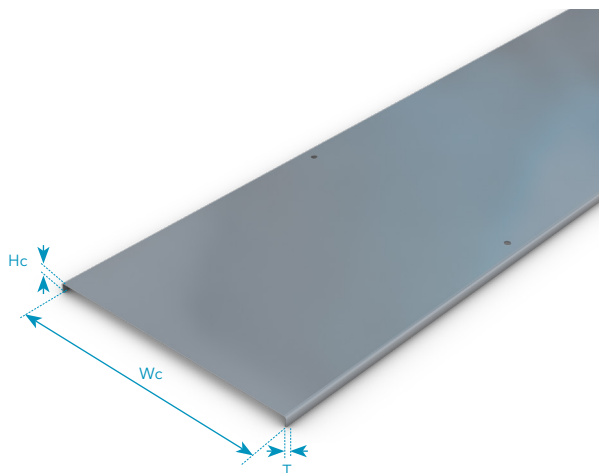
UCMR100ET

Straight Tray Covers

Unitrunk straight tray covers are 3m in length and are available in widths of 50mm to 900mm as standard. Covers are common for both closed and ventilated applications.

Straight Tray Covers - Dimensions & Weights

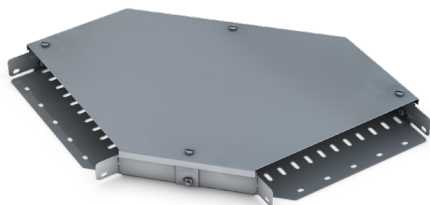
Part Code	Tray Width (mm)	Cover Width (mm)	Height HC (mm)	Weight (kg)
CR50T	50	61	11.9	2.51
CR75T	75	86	11.9	3.17
CR100T	100	111	11.9	3.92
CR150T	150	161	11.9	5.43
CR225T	225	236	11.9	7.70
CR300T	300	311	12.2	9.96
CR450T	450	461	12.5	18.13
CR600T	600	611	12.5	23.78
CR750T	750	761	12.5	29.47
CR900T	900	911	12.5	35.12



Weights shown are for standard pre-galvanised finish.

Cable Tray Fitting Covers

Unitrunk cable tray fitting covers are available in widths of 50mm to 900mm as standard. Covers are common for both closed and ventilated applications.



Cover Fixing Brackets

Covers for straight cable tray and cable tray fittings are supplied with the appropriate number of cover fixing kits as follows.

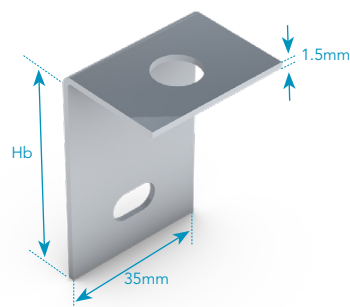
Each cover fixing kit is supplied with the appropriate cover mounting bracket for either a non-ventilated cover or ventilated cover based on the part number ordered.

(For dimensions of the cover mounting brackets please see table).

Cover Fixing Kit Requirements

Tray & Fitting Type	Width (mm)		
	50-150	225-450	600-900
Straight Tray	6	6	6
90° Flat Elbows	3	4	6
60° Flat Elbows	3	4	6
45° Flat Elbows	3	3	3
30° Flat Elbows	3	3	3
Inside Risers	4	4	4
Outside Risers	4	4	4
Equal Tees	3	4	5
Unequal Tees*	3	4	5
Equal Crosses	4	4	4
Reducers	4	4	4

*Based on largest branch size



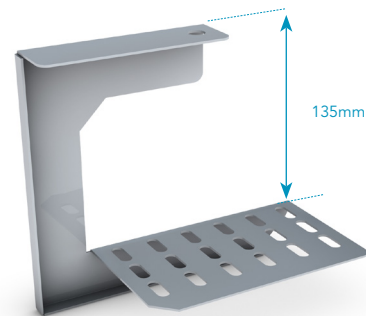
Cover Fixing Brackets - Dimensions

Part Code	Cover Type	Bracket Height HB (mm)
BKT28	Medium duty closed covers	28
BKT53	Medium duty ventilated covers	53
BKT53	Heavy duty closed covers	53
BKT78	Heavy duty ventilated covers	78

Tray Overhead Hangers

Part Code	Width (mm)
OH50-OH300	50 - 300

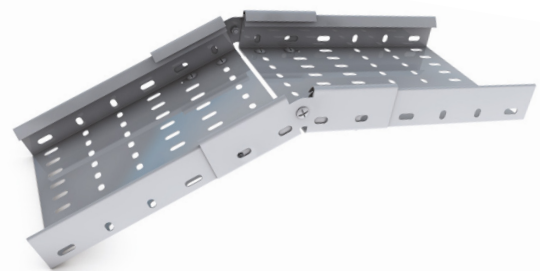
Suitable for Light/Medium/Heavy Duty Cable Tray.



Vertical Adjustable Coupler

Part Code	Type
KLMRVAC	Medium duty
KLHRVAC	Heavy duty

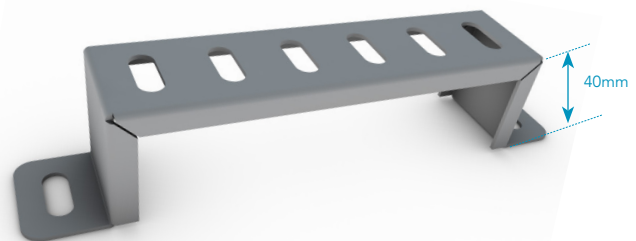
Sold in pairs to suit MR and HR Tray.



Stand-off Bracket

Size	50	75	100	150	225	300	450	600
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Part Code
SOB50-SOB600



UniKlip® Tray Fixings - PG & ZM Finish

The table below outlines which fixings are supplied with each fitting type. As also indicated, some couplers are provided with both UniKlip®s and UniBolts, offering installers enhanced flexibility. Additionally, these fixings are fully compatible with traditional nut and bolt fixings.

Width	Fitting Type	
	Medium Duty (MR)	Heavy Duty (HR)
50	UniBolt	UniBolt
75	UniBolt	UniBolt
100	UniBolt	UniBolt
150	UniBolt	UniBolt
225	UniBolt	UniBolt
300	UniBolt	UniBolt
450	UniBolt	UniBolt
600	UniBolt	Nut & Bolt
750	Nut & Bolt	Nut & Bolt
900	Nut & Bolt	Nut & Bolt
PG length coupling	UniKlip® & UniBolt	UniKlip® & UniBolt
ZM length coupling	UniBolt	UniBolt
other sidewall heights up to and including 1.2mm gauge will be supplied with UniBolts		

NB. Fittings in GA, GX and SS finish are supplied with standard nut and bolt fixings.



CLIENT



£23bn

Overall cost
of project

M&E Contractor:
MEH Alliance

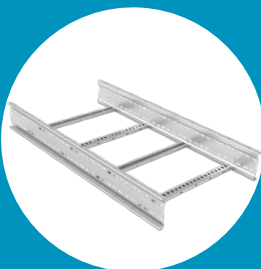
BACKGROUND

Marking a significant milestone in the revitalisation of the nuclear power industry, Hinkley Point C will make a major contribution to the UK's move to reduce carbon emissions. It is the first new nuclear power station to be built in the UK in over 20 years.

"HPC is a fantastic win for us, we have been excited about the scale and complexity of the project throughout the comprehensive tender process. We believe our industry experience, innovative product range, impressive manufacturing and distribution network secured our position as the perfect supply partner."

Alan Campbell, Group Sales Director
Unitrunk Group

PRODUCTS SUPPLIED



**SPEEDWAY®
LADDER**



**UNITRUNK
TRUNKING**



**UNIKLIP®
TRAY**