

A UNITRUNK INNOVATION



**3X FASTER**  
3 TIMES FASTER!  
Than your standard installation

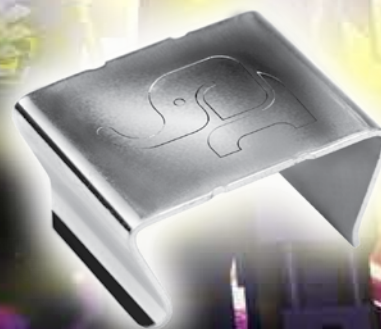
## RACE AHEAD OF YOUR COMPETITION

WITH OUR NEW KLIP SYSTEM FOR CABLE TRAY

Uniklip is the latest innovation to be added to our groundbreaking RIS (Rapid Installation Systems) range.

The new fast-fitting Klip system for cable tray that simply snaps together, removing the need for cutting, screwing and tightening components. Drastically reducing your installation times as it's 3 times faster!

Ask your local distributor about the new Uniklip system or alternatively log on to our website for more details and to get your **FREE** trial pack.



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See page 142 for more contact details

[unitrunk.co.uk](http://unitrunk.co.uk) [unitrunk.ie](http://unitrunk.ie)

UNITRUNK

# THE BIG UNITRUNK



Product Guide



## JOIN THE STAMPEDE

Total Cable Management Solutions

PRODUCT GUIDE V2







Welcome to your new Unitrunk Product Guide. You’ve got more choice than ever before and remember, if you need a bespoke product, just give us a call.

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Easy to use  
Product tab  
system

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Look out  
for the  
**RIS** mark  
on our  
products

**NEW!**

# SAVE TIME AND MONEY WITH RIS

RIS: Rapid Installation Systems from Unitrunk

You can slash the cost and time of installation by looking for our RIS logo. RIS, or Rapid Installation Systems, are designed by Unitrunk to make your life easier. The fast-fitting products let you complete jobs quicker than ever done before.

You'll save time on installation, you'll save money on labour costs, and you'll be ready to start your next job well ahead of schedule. And you'll never have to worry about quality – RIS products are engineered to the same exceptional standards as all Unitrunk products.



Forget about the fuss of conventional equipment. You don't need to worry about tools, cutting or filing with our new snap in-and-secure cable tray system.



You can rely on our new Magic Basket cable tray to give you choice, speed and versatility.



Add extra strength and durability to your ladder installation, while getting rid of joint-hinging and excess couplers.

**UNITRUNK RAPID INSTALLATION SYSTEMS**



A UNITRUNK INNOVATION



## HERE'S HOW UNIKLIP TRANSFORMED CABLE TRAY INSTALLATION...

When using conventional systems, installers had to cut, screw and tighten components at every stage of a job. The systems could be awkward and cumbersome, slowing installers down and dragging out installation time. But now it's different.

Uniklip arrived. This new system slashes installation time and saves money by being quick, practical and versatile. Uniklip launched earlier this year – and installers already love it. They're racing ahead of their competition by finishing jobs three-times faster than normal and saving up to 50% on overall costs.

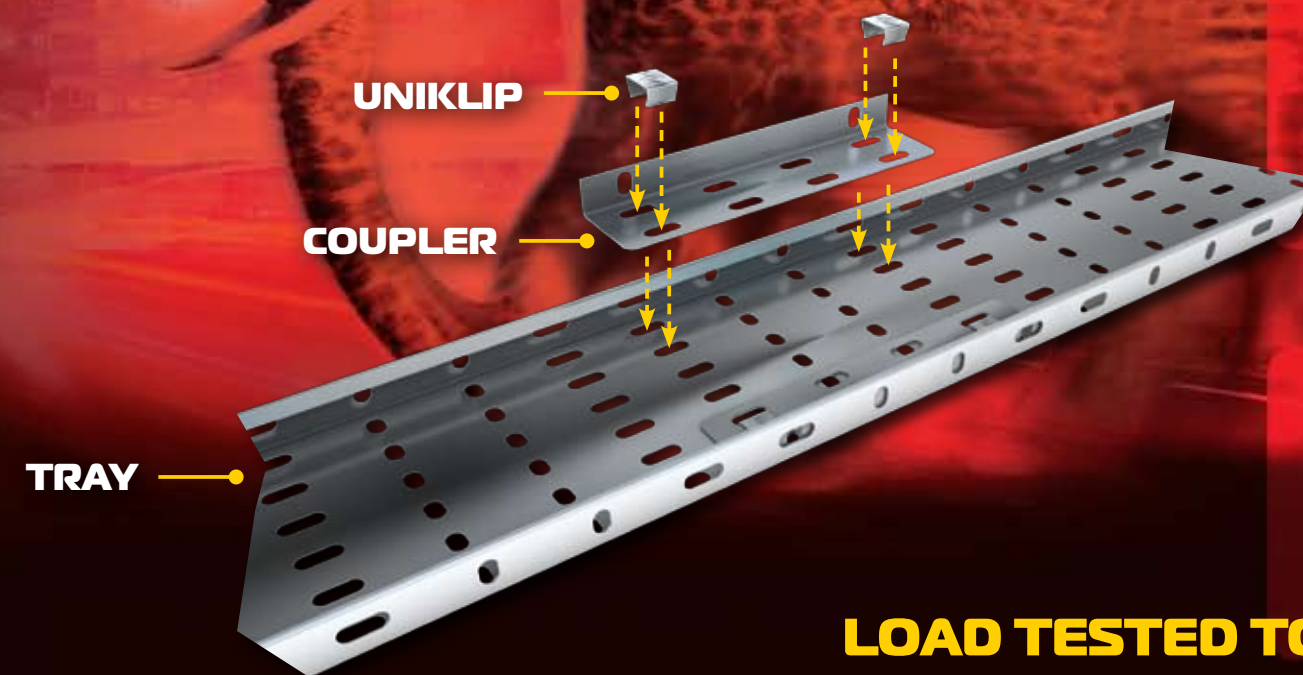
### ADVANTAGES

- 3 TIMES FASTER THAN STANDARD TRAY SYSTEMS
- SAVE TIME AND MONEY
- LESS FUSS
- SAME UNITRUNK STRENGTH AND SECURITY

## SO WHAT'S THE SECRET?

Uniklip's new snap and secure system is what makes cable tray so quick and easy to install. You can adjust and secure each section without the need for measuring or cutting. You just snap it securely into place wherever you need it. And it's as strong and reliable as any system.

The future of cable tray installation has changed – now every job can be completed for less and well ahead of schedule. Can you afford to be left behind?



**LOAD TESTED TO  
BS EN 61537 STANDARDS**

UNITRUNK RAPID INSTALLATION SYSTEMS

**NEW!**



**X3  
FACTOR**  
3 TIMES FASTER!  
Than your standard  
installation





# DISCOVER WHAT 3X FASTER LOOKS LIKE

visit: **unitrunk.co.uk** to watch Uniklip vs. a standard system in the Cheetah Challenge



Discover what happened when Uniklip faced the ultimate test. Two independent teams race to install cable tray, one team using Uniklip, the other using a standard system.

Both teams have two professional installers and both courses are identical (we even threw in some obstacles to push each team to the limit). Everyone was astounded by the results...

Unitrunk's new Uniklip Cable Tray System delivered the labour savings it promised, with installation cost at the site reduced by up to 50%. The new system is extremely easy to use and very quick to install.

Clive Wass, Contracts Supervisor,  
BP Electrical Solutions

## SPEED OF A CHEETAH, STRENGTH OF AN ELEPHANT

UNITRUNK RAPID INSTALLATION SYSTEMS

NEW!





# QUALITY COMES AS STANDARD

We work hard to make sure our entire range is safe, reliable and manufactured to exceed all relevant quality standard.

We are also delighted to have our **Rail Industry Link-Up** application approved and our certificate awarded (Supplier no. 22992).

## British Standards

Ref: Pre-galvanised steel  
**BS EN 10346: 2009**

Ref: Post galvanised products  
**BS EN ISO 1461: 2009**

Ref: Cable trunking and ducting systems  
**BS EN 50085-1: 2005**  
**BS EN 50085-2-1: 2006**

Ref: CR4 material  
**BS EN 10130: 2006**

Ref: Under floor flush floor or on floor  
**BS EN 50085-2-2: 2008**

Ref: Weatherproof trunking  
**BS EN 60529: 1992**

Ref: Cable tray, cable ladder and cable basket  
**BS EN 61537: 2007**

Easyway flush floor trunking has been tested in accordance with  
**BS6399 PART 1: 1996**  
(public occupancy class)

Ref: Stainless steel material  
**BS EN 10088-2: 2005**

## Recognition of Our Quality



## Quality Marks: Products & Materials



## Accreditations



Membership No. 1230

Unitrunk is an established quality manufacturer of steel cable management systems with 50 years experience and expertise. Our 70,000 sq.ft. production facility, along with the 55,000 sq.ft. production facility of sister company Vantrunk, are totally dedicated to the manufacture of cable management and support systems with both facilities ISO accredited.

# TRUST UNITRUNK





Unitrunk are a trusted and valued supplier delivering a great service with fast turnaround.



Eddie Quirke, Senior Branch Manager, Electric Center, Bristol

# DELIVERIES YOU CAN COUNT ON

**We'll be with you in 3 hours by road, 30 seconds by phone or 1 click online**

You're never far away from Unitrunk, so you can always pop in to your nearest depot or we'll deliver to your site. We can usually make same-day\* or next-day\*\* deliveries thanks to our huge delivery network. In fact, with distribution partners worldwide and so many depots across the UK and Ireland, we have an unbeatable delivery service that reaches every part of the globe.

\* In accordance with stock availability.  
\*\* Standard delivery terms are 48 hours from receipt of order.



# WORKING WITH YOU



# WHAT'S NEW

# FOR 2012

## BARRIER STRIP DIVIDER SYSTEM

Designed for Wire Mesh Tray Systems

**Barrier Strip Clamp**

Ref.TSGV

**Fast Fix Retaining Klip**

Ref.KS/GR

**Barrier Strip**

Ref.TSG

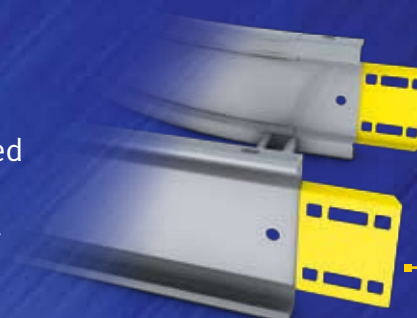


Simply snap on a KS/GR to the Wire Mesh Tray and clip in the TSG Divider. To stabilise the joint and eliminate any potential snagging issues, push the TSGV Stabilising Clamp down onto the TSG Barrier Strip Dividers.

## Cable Ladder Fitting Integral Coupler

Ref.SPECIAL

Fast fit, cost saving system reducing the number of couplers required. The coupler has a formed shape to increase strength and rigidity and reduces joint hinging.

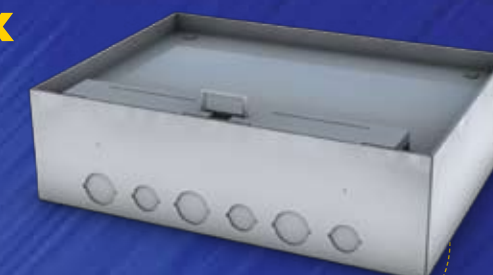


Integral Coupler

## Single Compartment Floorbox

Ref.SPECIAL

Single compartmental floor box to accept up to 15mm floor tile. 3 compartmental floor box is also available at 110mm deep to suit 15mm floor tile. The box has chain link fixing for lid.



## Double Depth Tees

Ref.DDT

Can be manufactured to enter at bottom or lid level. Gives full compartmental depth from trunking to Tee underpass.



## Adjustable Tray Extension

Ref.KLMRATE / KLHRATE





# ORDERING

## TRUNKING CODE SYSTEM EXPLAINED



### STEP 1: CHOOSE FINISH

(Please Note) This is only required if the product is **NOT pre-galvanised**. Choose from the range of finishes available for your product.



### STEP 2: CHOOSE PRODUCT

Choose the product and note the 'code prefix'.  
(for example in the standard trunking section: Gusset Bend Top Lid = GTB)



### STEP 3: CHOOSE SIZE

Choose the size of product you want and note the corresponding 'size code' from the Code Guide at the rear of each section.  
(for example: if the product is 50mm x 50mm the size code = 22)



### STEP 4: CHOOSE COMPARTMENTS

Choose the number of compartments required; check in the Code Guide if it's available and add this to your code.  
(for example: if you require 2 compartments add x2)



Pre-Galvanised



Galvanised After



Stainless Steel



Powder Coated



Galvanised After Manufacture  
Corten A Steel



Electro Zinc



PLEASE NOTE: As it is our policy to improve the design of Unitrunk products, goods supplied may vary in detail from those described or illustrated in this catalogue.



You can also view our complete product range online at

[unitrunk.co.uk](http://unitrunk.co.uk)



## SECTION 1

# STANDARD TRUNKING SYSTEMS

Unitrunk Cable Trunking is a complete range of trunking and fittings manufactured to standards as described in BS EN 50085-1:2005 and is manufactured throughout in best quality hot dipped galvanised sheet steel to BS EN 10346:2009 giving maximum protection from corrosion. Standard Cable Trunking is manufactured and stocked in 3 metre lengths (other lengths available on request please refer to our code guide at the back of this section).

- The Trunking has machine formed intumed, strengthening flanges.
- The lid incorporates a quick action metal locking device operated by a slotted stud. The slot indicates the position of the locking bar.
- Each length of Standard Trunking is supplied complete with lid, Coupling, Screws and Nuts. (note lid is secured using turnbuckle type fastener)
- Fittings are manufactured from galvanised sheet steel to match the Trunking.
- Bends, Elbows, Tees and Intersection Boxes are complete with integral couplings.
- Special fittings such as Off Sets, Risers, Unequal Tees and Bends can be made to order.
- All dimensions relate to the inside measurement.

ACCREDITED TO THE FOLLOWING STANDARDS

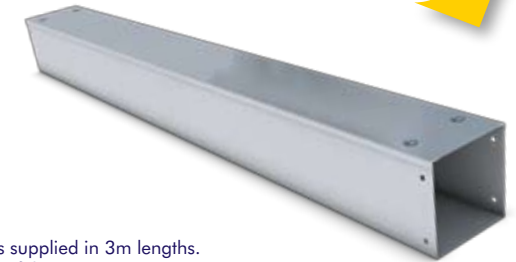


## STANDARD TRUNKING SYSTEMS

### Standard Trunking

Ref.TK22 50mm x 50mm  
Ref.TK33 75mm x 75mm  
Ref.TK42 100mm x 50mm  
Ref.TK44 100mm x 100mm  
Ref.TK66 150mm x 150mm

Please refer to our code guide at the back of this section for our full range of dimensions.  
**Bespoke sizes available on request**

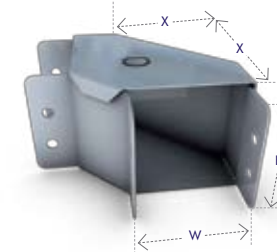


Unitrunk standard trunking is manufactured from pre-galvanised steel and is supplied in 3m lengths. Other sizes and finishes are available on request (See code guide at the end of this section).

### Gusset Bend Top Lid

Ref.GTB

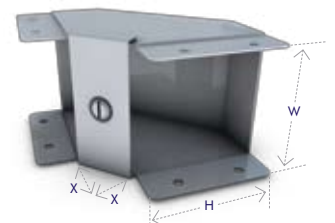
Code	W	H	X
22	50	50	86
33	75	75	115
42	100	50	137
44	100	100	137
66	150	150	190



### Gusset Bend Inside Lid

Ref.GIB

Code	W	H	X
22	50	50	30
33	75	75	30
42	100	50	30
44	100	100	30
66	150	150	45



### Gusset Bend Outside Lid

Ref.GOB

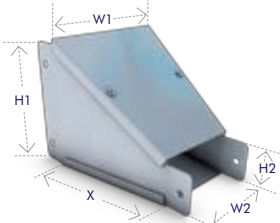
Code	W	H	X
22	50	50	30
33	75	75	30
42	100	50	30
44	100	100	30
66	150	150	45



### Reducer

Ref.RE

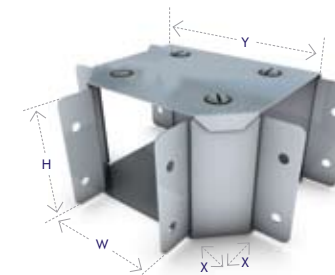
Code	W1	H1	W2	H2	X
33-22	75	75	50	50	150
42-22	100	50	50	50	150
44-33	100	100	75	75	150
66-44	150	150	100	100	150



### Gusset Tee Top Lid

Ref.GTT

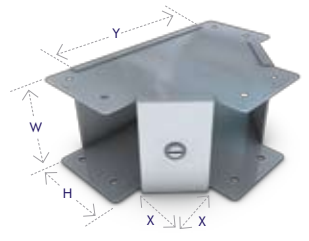
Code	W	H	X	Y
22	50	50	30	120
33	75	75	30	145
42	100	50	30	165
44	100	100	30	170
66	150	150	30	220



### Gusset Tee Inside Lid

Ref.GIT

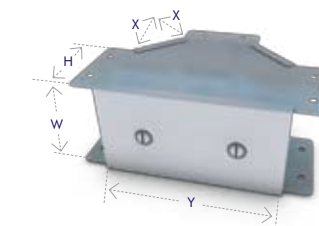
Code	W	H	X	Y
22	50	50	50	150
33	75	75	50	175
42	100	50	50	150
44	100	100	50	200
66	150	150	50	250



### Gusset Tee Outside Lid

Ref.GOT

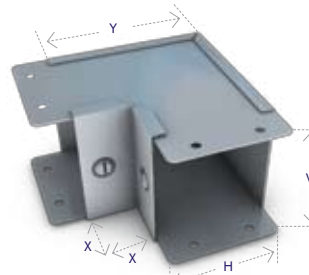
Code	W	H	X	Y
22	50	50	50	150
33	75	75	50	175
42	100	50	50	150
44	100	100	50	200
66	150	150	50	250



### Sharp Elbow Inside Lid

Ref.SIE

Code	W	H	X	Y
22	50	50	40	100
33	75	75	40	125
42	100	50	40	95
44	100	100	40	150
66	150	150	40	200

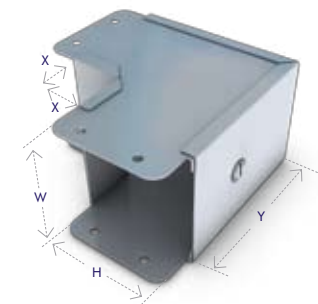




### Sharp Elbow Outside Lid

**Ref.SOE**

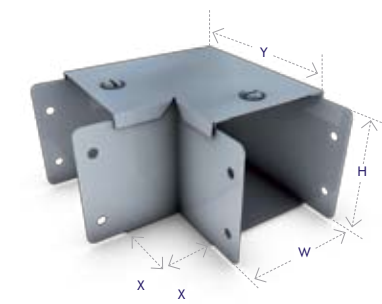
Code	W	H	X	Y
22	50	50	50	100
33	75	75	50	130
42	100	50	50	100
44	100	100	50	155
66	150	150	50	205



### Sharp Elbow Top Lid

**Ref.STE**

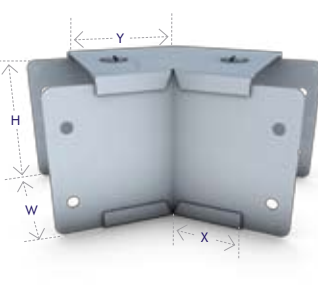
Code	W	H	X	Y
22	50	50	50	100
33	75	75	50	125
42	100	50	50	155
44	100	100	50	155
66	150	150	50	205



### 45° Elbow Top Lid

**Ref.TE**

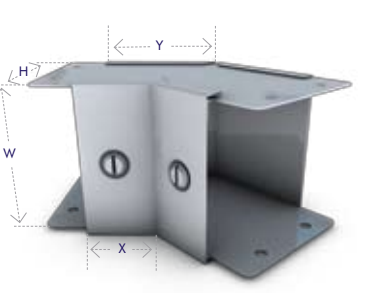
Code	W	H	X	Y
22	50	50	50	70
33	75	75	50	80
42	100	50	50	90
44	100	100	50	90
66	150	150	50	110



### 45° Elbow Inside Lid

**Ref.IE**

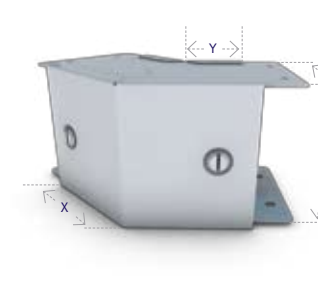
Code	W	H	X	Y
22	50	50	50	70
33	75	75	50	80
42	100	50	50	70
44	100	100	50	90
66	150	150	50	110



### 45° Elbow Outside Lid

**Ref.OE**

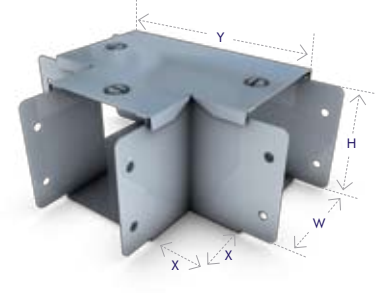
Code	W	H	X	Y
22	50	50	70	50
33	75	75	80	50
42	100	50	70	50
44	100	100	90	50
66	150	150	110	50



### Sharp Tee Top Lid

**Ref.STT**

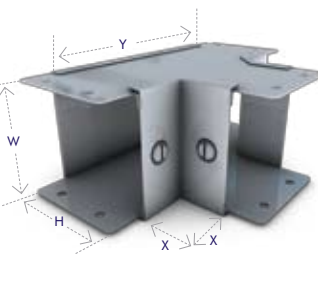
Code	W	H	X	Y
22	50	50	50	150
33	75	75	50	175
42	100	50	50	200
44	100	100	50	200
66	150	150	50	250



### Sharp Tee Inside Lid

**Ref.SIT**

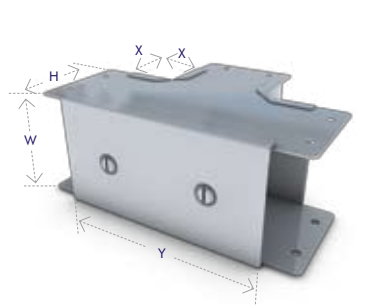
Code	W	H	X	Y
22	50	50	50	150
33	75	75	50	175
42	100	50	50	150
44	100	100	50	200
66	150	150	50	250



### Sharp Tee Outside Lid

**Ref.SOT**

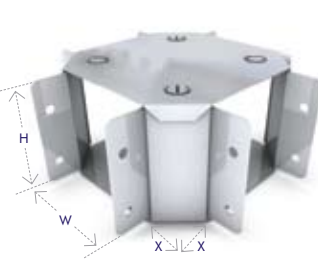
Code	W	H	X	Y
22	50	50	50	150
33	75	75	50	175
42	100	50	50	150
44	100	100	50	200
66	150	150	50	250



### Intersection Box

**Ref.ITB**

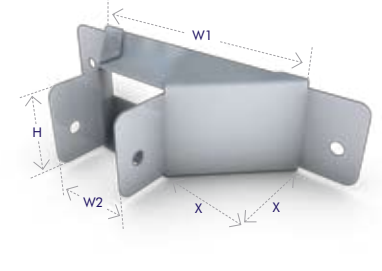
Code	W	H	X
22	50	50	30
33	75	75	30
42	100	50	30
44	100	100	30
66	150	150	50



### Flared Flange

**Ref.FF**

Code	W1	W2	H	X
22	145	50	50	50
33	175	75	75	50
42	200	100	50	50
44	200	100	100	50
66	250	150	150	50



### Adjustable Bends (Vertical) 0-35° Angle

**VAB/SIZE**

Can be formed as an internal or external joint.

Code eg: VAB22 (Adjustable Bend 50x5mm)



### Adjustable Bends (Horizontal) 0-35° Angle

**HAB/SIZE**

Code eg: HAB22 (Adjustable Bend 50x5mm)



### Adjustable Lengths Coupler 0-15° Angle

**Ref.TAC**



### Blank End

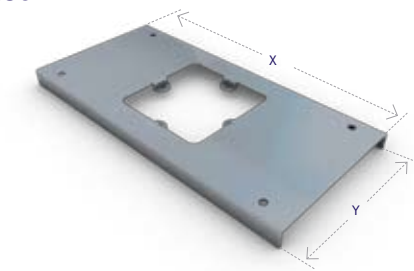
**Ref. BE22** 50mm x 50mm  
**Ref. BE33** 75mm x 75mm  
**Ref. BE42** 100mm x 50mm  
**Ref. BE44** 100mm x 100mm  
**Ref. BE66** 150mm x 150mm



### Socket Outlet Single

**Ref.STL1**

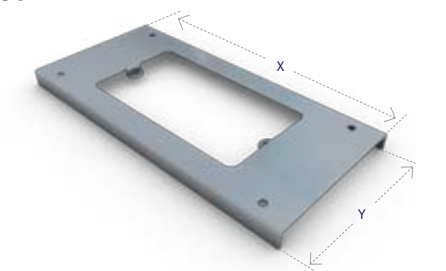
Code	X	Y
4	230	110
6	230	160



### Socket Outlet Double

**Ref.STL2**

Code	X	Y
4	230	110
6	230	160



### Cable Support

**Ref. CS22** 50mm x 50mm  
**Ref. CS33** 75mm x 75mm  
**Ref. CS42** 100mm x 50mm  
**Ref. CS44** 100mm x 100mm  
**Ref. CS66** 150mm x 150mm



### Trunking Coupling

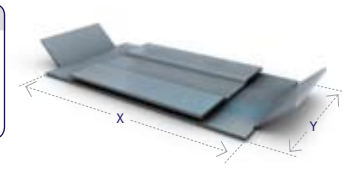
**Ref. TC22** 50mm x 50mm  
**Ref. TC33** 75mm x 75mm  
**Ref. TC42** 100mm x 50mm  
**Ref. TC44** 100mm x 100mm  
**Ref. TC66** 150mm x 150mm



### Fire Barrier Clip

**Ref.FB**

Code	X	Y
22	100	41
33	100	60
44	100	85
66	100	137



### Earth Link

**Ref.CES (Plain Copper)**  
**Ref. TCES (Tinned Copper)**



### Distribution Board Trunking

**Ref.TKDB**



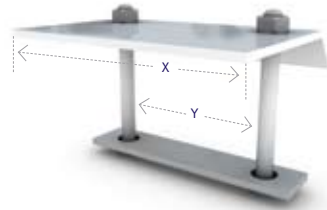
Trunking no longer requires cutting on site. Size manufactured to customer requirements, saving installation time.



Beam Clamp A

Ref.BCA22 50mm x 50mm

Code	X	Y
22	90	60

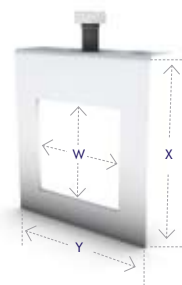


Window Beam Clamp

Ref.WBC22 50mm x 50mm

Code	X	Y	W
22	90	103	50

C/W M10 x 40 CPB (Bolt).



Galvanised Steel Lid

Ref. GSL2 50mm  
Ref.GSL3 75mm  
Ref.GSL4 100mm  
Ref.GSL6 150mm



Supplied in 3 metre lengths.

Dividing Fillets

Ref.DF2 50mm  
Ref.DF3 75mm  
Ref.DF4 100mm  
Ref.DF6 150mm



Supplied in 3 metre lengths.

Metal Retaining Strap

Ref. CR2 50mm (Width)  
Ref. CR3 75mm (Width)  
Ref. CR4 100mm (Width)  
Ref. CR6 150mm (Width)



Flanged Coupling

Ref.FC

Code
22
33
44
66



Sold in Pairs.

Plastic Cable Retaining Strap

Ref. CR2/3 50mm x 75mm  
Ref. CR4/6 100mm x 150mm

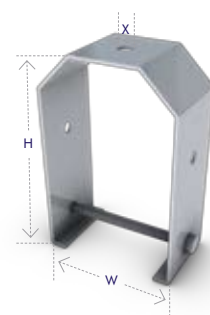


Hangar Bracket

Ref.HBL(x)

Code	H	W	X	X
22	85	55	10	20
33	135	85	10	20
44	165	115	10	20
66	245	165	10	20

Other sizes available on request.



Hangar Bracket (with Swing Bar)

Ref.HBL22SP(x) 50mm x 50mm

Code	W	H	X	X
22	55	85	10	20



Lid Fastener

Ref.LCS2 50mm  
Ref.LCS3 75mm  
Ref.LCS4 100mm



Available to suit 50mm, 75mm or 100mm widths.  
Note: For sizes over 100mm use LCS2 x2

CODE GUIDE

STEP 1 : CHOOSE PRODUCT FINISH



PRE-GALVANISED



STAINLESS STEEL



POWDER COATED

STEP 2: CHOOSE PRODUCT

CODE	PRODUCT NAME
TK	Trunking (3m lengths)
LT	Lighting Trunking (3/3.5/4.5/6m lengths)
GSL	Galvanised (Width Only)
TC	Trunking Coupling
DF	Dividing Fillet (loose) (Height Only)
GTB	Gusset Bend (Top Lid)
GIB	Gusset Bend (Inside Lid)
GOB	Gusset Bend (Outside Lid)
STE	Sharp Elbow (Top Lid)
SIE	Sharp Elbow (Inside Lid)
SOE	Sharp Elbow (Outside Lid)
GTT	Gusset Tee (Top lid)
GIT	Gusset Tee (Inside Lid)
GOT	Gusset Tee (Outside Lid)
STT	Sharp Tee (Top Lid)
SIT	Sharp Tee (Inside Lid)
SOT	Sharp Tee (Outside Lid)
ITB	Intersection Box
TE	45° Elbow (Top Lid)
IE	45° Elbow (Inside Lid)
OE	45° Elbow (Outside Lid)
RE	Reducer
FF	Flared Flange
BE	Blank End
FB	Fire Barrier Clip
LCS	Lid Clips (Strap and Stud)
FC	Flanged Coupling
CS	Cable Support
CES	Earth Link (Copper) x 10
TCES	Earth Link (Tinned Copper) x 10
CR	Cable Retainer Strap x 10
STL1	Socket Outlet (Single)
STL2	Socket Outlet (Double)
PES	PVC Edging Strip - per metre

STEP 3: CHOOSE SIZE

WIDTH	HEIGHT	SIZE CODE	STEP 4: COMPARTMENTS NO OF COMPARTMENTS POSSIBLE		
			X2	X3	X4
50	50	22	✓		
75	50	32	✓		
75	75	33	✓		
100	50	42	✓		
100	75	43	✓	✓	
100	100	44	✓	✓	
150	50	62	✓	✓	✓
150	75	63	✓	✓	✓
150	100	64	✓	✓	✓
150	150	66	✓	✓	✓
200	50	82	✓	✓	✓
200	75	83	✓	✓	✓
200	100	84	✓	✓	✓
200	150	86	✓	✓	✓
200	200	88	✓	✓	✓
225	50	92	✓	✓	✓
225	75	93	✓	✓	✓
225	100	94	✓	✓	✓
225	150	96	✓	✓	✓
225	225	99	✓	✓	✓
300	50	12X2	✓	✓	✓
300	75	12X3	✓	✓	✓
300	100	12X4	✓	✓	✓
300	150	12X6	✓	✓	✓
300	200	12X8	✓	✓	✓
300	225	12X9	✓	✓	✓
300	300	12X12	✓	✓	✓

STEP 5: GAUGE

Gauges conform to latest specifications. For specialist requirements a range of gauges are available on request.

Need something special or can't find what you're looking for?

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.

email: [bespoke@unitrunk.co.uk](mailto:bespoke@unitrunk.co.uk)



## UNITRUNK CASE STUDY

# TOP OF THE CLASS



Overall this project ran smoothly with both excellent products and services provided by Unitrunk. 

John McLain, Contracts Manager,  
Blackbourne Integrated M & E

Queen's University Belfast has a record of academic achievement which stretches back more than 150 years with 300 buildings and over 24,000 students. A new addition is The Library which brings together wide-ranging library, computing and media services in a single location, blending the best features of a traditional library with the latest technology. The highest quality services and support are fully integrated within the building, making it an exciting and essential part of the student experience at Queen's. Sustainability was a critical factor in the design and construction of The Library, in keeping with the University's environmental policy with the building meeting the highest environmental standards.

The Unitrunk cable trunking and cable tray act as the main arteries of this spectacular new library and carry cabling to a vast array of state-of-the-art systems present throughout the building. To meet the client design requirements all cable management products were concealed.



### PRODUCTS

- Standard Trunking
- MR Cable Tray
- HR Cable Tray



## SECTION 2

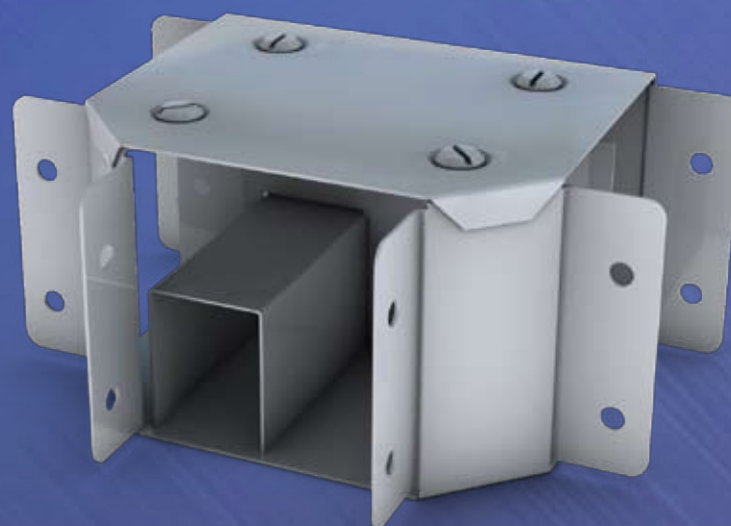
# MULTI-COMPARTMENT TRUNKING SYSTEMS

With Multi-Compartment Trunking, dividing fillets are normally supplied spot-welded in position, but can also be supplied loose for fixing on site by drilling and screwing. Spot welds can be treated with Norgalv paint as an extra on request. Purpose-made trunking can be supplied with conduit entries at pre-determined regular intervals in sides and in dividing fillets.

When trunking is mounted vertically or in the inverted position it is recommended that Cable Supports should be fitted.

Bends, Tees, Intersections, etc, can be supplied complete with Dividing Fillets In Tees with Top Lids and in Intersection Boxes, Cross-over Bridges are fitted. Several example assemblies in Tees and Bends with unequal compartments are shown in this section. Three, four or more compartment trunking is available.

ACCREDITED TO THE FOLLOWING STANDARDS



## MULTI-COMPARTMENT TRUNKING SYSTEMS

### HOW TO ORDER (Without going round the bend!)

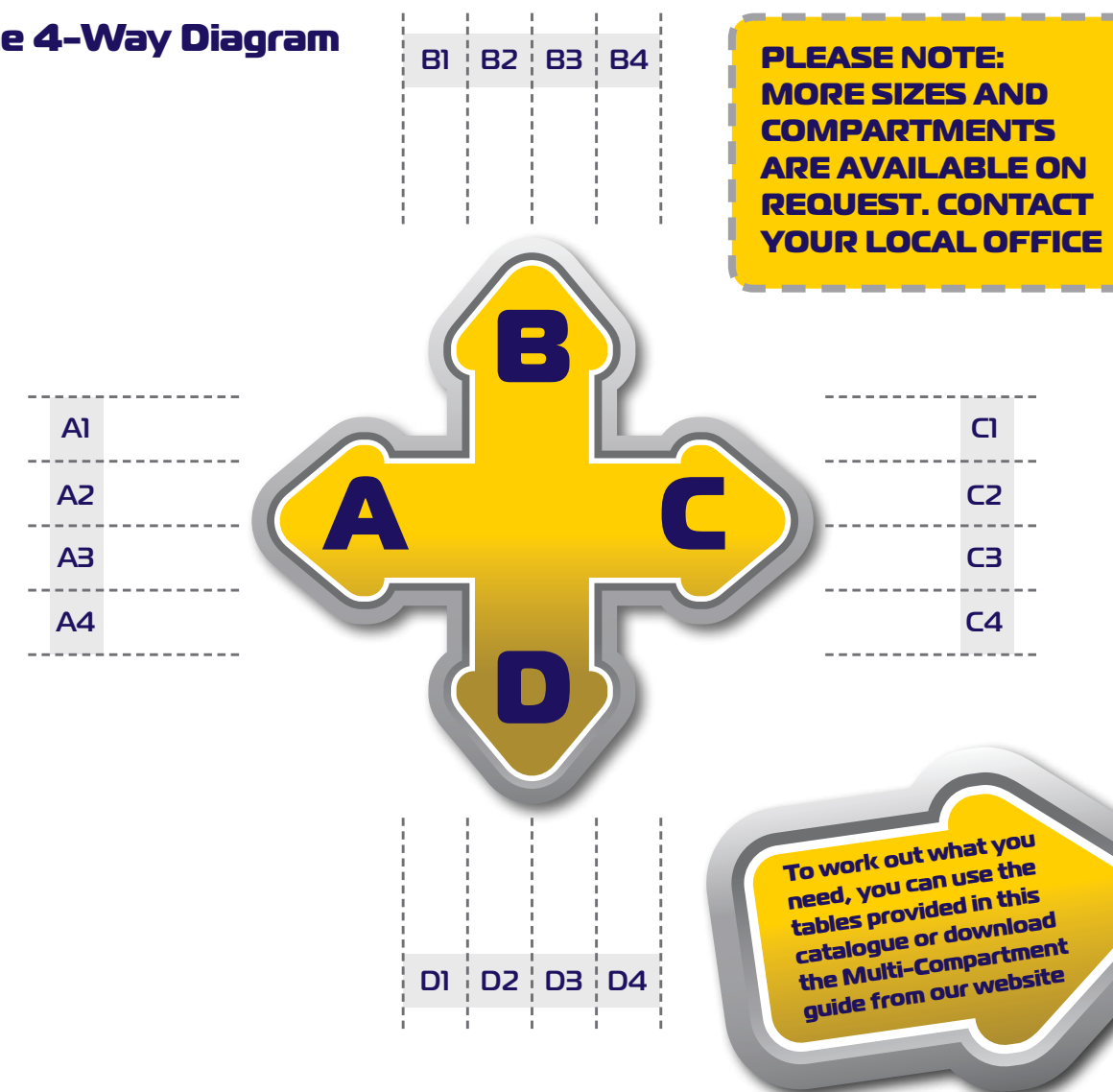
PLEASE NOTE: This section is to be used as an aid when ordering unequally divided and TOP LID and therefore directional Trunking Fittings. For INSIDE or OUTSIDE LID fittings all we need to know is the size of each compartment, therefore the steps below are only applicable for TOP LID Accessories.

#### STEP 1: Trunking Direction

Using the four-way diagram shown, decide what scenario best suits your situation. This will enable you to give information about the trunking sizes you are working with and the size of each trunking compartment. This information will then be used to fill in an Order table later in step 3.

PLEASE NOTE: A, B, C and D represent a plan view of trunking in four directions.

#### The 4-Way Diagram

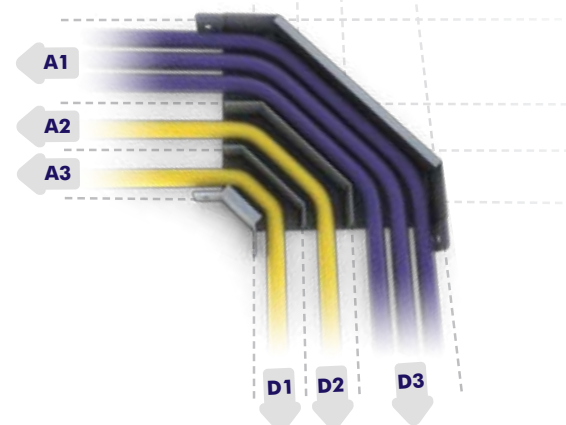




## STEP 2: Size of Trunking

Tell us what size of trunking you are using.

(Trunking Direction Example)



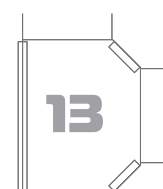
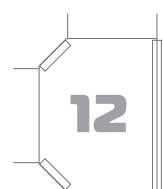
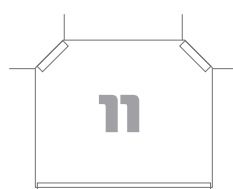
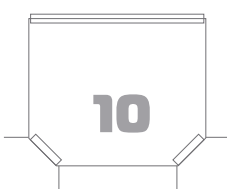
## STEP 3: Fitting

Select the appropriate fitting you require from the 'Fitting Key' shown at the bottom of this page.

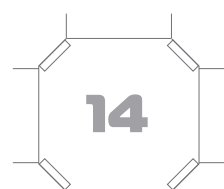
Each fitting has a unique number which should then be used to fill in the order table.

### Fitting Key CHOOSE FITTING NUMBER BELOW:

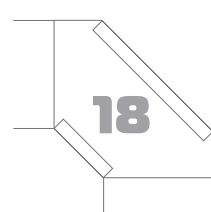
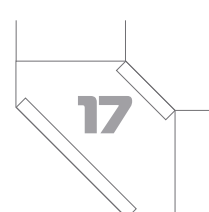
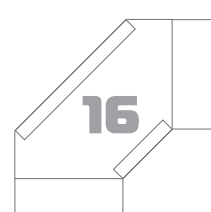
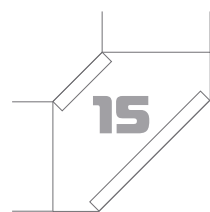
TEE:



INTERSECTION:



BEND:



## STEP 4: Compartment Size & Cable Run

State the compartment sizes and where the cabling will run from/to by filling in Table 2.

The remaining spaces should be left blank. For example, in this instance: Cable runs:

Compartment B2 goes to C1, and B4 goes to C2.

**Table 2** Trunking Compartment sizes & Cable runs

(Example)

		To... (State Measurements in mm)															
		A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
From... (State Measurements in mm)	A1																
	A2																
	A3																
	A4																
	B1																
	B2																
	B3																
	B4																
	C1																
	C2																
	C3																
	C4																
	D1																
	D2																
	D3																
	D4																



### (EXAMPLE: A)

Trunking Size 100 x 50 x 3 Compartments (code: TK42x3)

90° or 45° Top Lid Bend with smaller compartments to the inside.



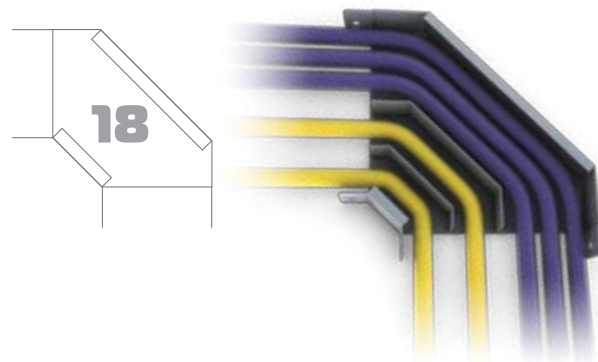
#### STEP 1 Trunking Direction



#### STEP 2 Size of Trunking

Trunking Size (mm x mm)	
A	100 X 50
D	100 X 50

#### STEP 3 Fitting



#### STEP 4 Compartment Size & Cable Run

From... (mm)	To... (mm)		
	D2	D3	D4
A1			50
A2		25	
A3	25		

### (EXAMPLE: B)

Trunking Size 150 x 50 x 2 Compartments (code: TK62x2)

90° or 45° Top Lid Bend with smaller compartments to the outside.



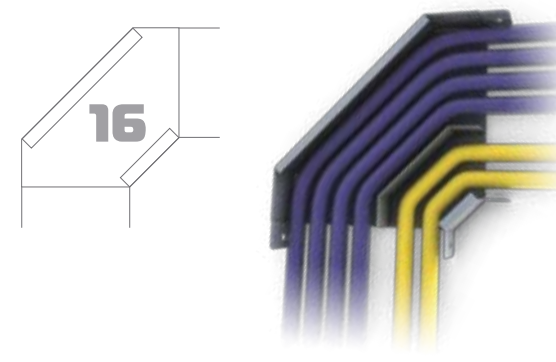
#### STEP 1 Trunking Direction



#### STEP 2 Size of Trunking

Trunking Size (mm x mm)	
A	150 X 50
D	150 X 50

#### STEP 3 Fitting



#### STEP 4 Compartment Size & Cable Run

From... (mm)	To... (mm)		
	C2	C3	C4
D2			
D3		100	
D4			50



**(EXAMPLE: C)**

Trunking Size 150 x 50 x2 Compartments (code: TK62x2)

Top Lid TEE with underpass taking cables from the right hand compartment out from the rear compartment.



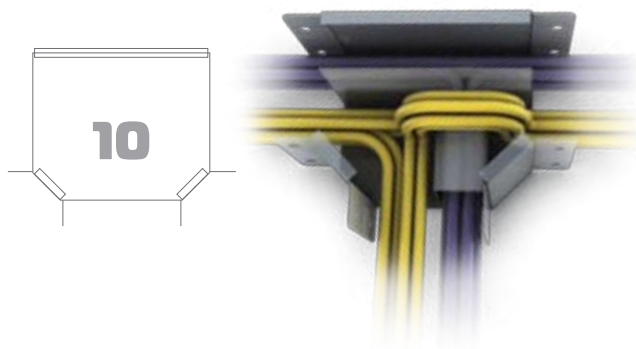
**STEP 1** Trunking Direction



**STEP 2** Size of Trunking

	Trunking Size (mm x mm)
A	150 X 50
D	150 X 50

**STEP 3** Fitting



**STEP 4** Compartment Size & Cable Run

		To... (mm)					
		C1	C2	C3	C4	D1	D2
From... (mm)	A1	50					50
	A2		100			100	
	A3						

**(EXAMPLE: D)**

Trunking Size 200 x 100 x 3 Compartments (code: TK84x3)

Top lid Tee with 2 No crossover pieces to allow cables to Tee off in the correct order to suit the branched trunking supply.



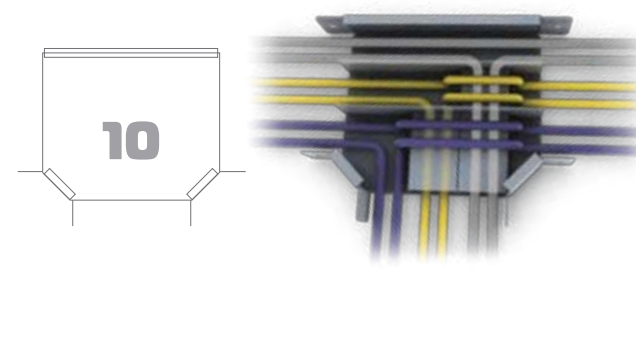
**STEP 1** Trunking Direction



**STEP 2** Size of Trunking

	Trunking Size (mm x mm)
A	200 X 100
D	200 X 100

**STEP 3** Fitting



**STEP 4** Compartment Size & Cable Run

		To... (mm)							
		C1	C2	C3	C4	D1	D2	D3	D4
From... (mm)	A1	75							75
	A2		75					75	
	A3			50		50			



# ORDER SHEET

Using steps 1 to 4 as outlined in this section, please complete the two specification tables below which we will use to tailor the correct multi-compartment product for your needs.

Please scan and email or fax to your closest depot.

Table 1  
Trunking Sizes

Trunking Size (mm x mm)	
A	
B	
C	
D	

Fitting Number:

Table 2 Trunking Compartment sizes & Cable runs



To... (State Measurements in mm)																	
		A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
From... (State Measurements in mm)	A1																
	A2																
	A3																
	A4																
	B1																
	B2																
	B3																
	B4																
	C1																
	C2																
	C3																
	C4																
	D1																
	D2																
	D3																
	D4																

## Fax and Email Details

UNITRUNK (LISBURN)  
fax: +44 (0) 2892 625101  
email: lisburn@unitrunk.co.uk

UNITRUNK (IRELAND)  
fax: +353 (0) 1 8223533  
email: dublin@unitrunk.ie

UNITRUNK (SCOTLAND)  
fax: +44 (0) 1506 461969  
email: livingston@unitrunk.co.uk

UNITRUNK (NORTH EAST)  
fax: +44 (0) 191 4108702  
email: northeast@unitrunk.co.uk

UNITRUNK (MANCHESTER)  
fax: +44 (0) 161 3361188  
email: manchester@unitrunk.co.uk

UNITRUNK (WOLVERHAMPTON)  
fax: +44 (0) 1902 714105  
email: wolverhampton@unitrunk.co.uk

UNITRUNK (HARLOW)  
fax: +44 (0) 1279 444405  
email: harlow@unitrunk.co.uk

UNITRUNK (BRISTOL)  
fax: +44 (0) 1179 382998  
email: bristol@unitrunk.co.uk

# CODE GUIDE

## STEP 1 : CHOOSE PRODUCT FINISH



PRE-GALVANISED



STAINLESS STEEL



POWDER COATED

## STEP 2: CHOOSE PRODUCT

CODE	PRODUCT NAME
TK	Trunking (3m lengths)
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LCS	Lid Clips (Strap and Stud)
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CES	Earth Link (Copper) x 10
TCES	Earth Link (Tinned Copper) x 10
CR	Cable Retainer Strap x 10
STL1	Socket Outlet (Single)
STL2	Socket Outlet (Double)
PES	PVC Edging Strip - per metre

## STEP 3: CHOOSE SIZE

WIDTH	HEIGHT	SIZE CODE	NO OF COMPARTMENTS POSSIBLE		
			X2	X3	X4
50	50	22	✓		
75	50	32	✓		
75	75	33	✓		
100	50	42	✓		
100	75	43	✓	✓	
100	100	44	✓	✓	
150	50	62	✓	✓	✓
150	75	63	✓	✓	✓
150	100	64	✓	✓	✓
150	150	66	✓	✓	✓
200	50	82	✓	✓	✓
200	75	83	✓	✓	✓
200	100	84	✓	✓	✓
200	150	86	✓	✓	✓
200	200	88	✓	✓	✓
225	50	92	✓	✓	✓
225	75	93	✓	✓	✓
225	100	94	✓	✓	✓
225	150	96	✓	✓	✓
225	225	99	✓	✓	✓
300	50	12X2	✓	✓	✓
300	75	12X3	✓	✓	✓
300	100	12X4	✓	✓	✓
300	150	12X6	✓	✓	✓
300	200	12X8	✓	✓	✓
300	225	12X9	✓	✓	✓
300	300	12X12	✓	✓	✓

## STEP 5: GAUGE

Gauges conform to latest specifications. For specialist requirements a range of gauges are available on request.

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visit online: uk [unitrunk.co.uk](http://unitrunk.co.uk) ireland [unitrunk.ie](http://unitrunk.ie)





# TUNNEL VISION



This project was challenging due to the sheer range of bespoke products required; a challenge we rose to and a job we are proud of.

Unitrunk Innovation Department

With 270 stations and about 400 km (250 miles) of track, the London Underground is the longest metro system in the world by route length and has one of the highest number of stations. In 2007, more than one billion passenger journeys were recorded, making it the third busiest metro system in Europe.

Unitrunk completed a large scale cable management contract with a wide range of projects carried out on communications, tannoy and fire systems. To date over 480 bespoke fittings have been created for this project with all parts manufactured to the London Underground's own stringent standards including multi-compartment flexible trunking which was pioneered for the first time.



## PRODUCTS

- Dedicated Onsite Unitrunk Engineer
- Strict Quality Controls
- Multi-Compartment Flexible Trunking
- Over 480 Bespoke Fittings
- Specialist Project Management



## SECTION 3

# LIGHTING TRUNKING SYSTEMS

Unitrunk Lighting Trunking is manufactured from galvanised sheet steel to BS EN 10346:2009. The finish is rust resistant and the galvanised finish gives excellent earth continuity.

Standard Cable Trunking fittings can be used with Lighting Trunking, which enables the two types to be easily interconnected thus simplifying installation and wiring.

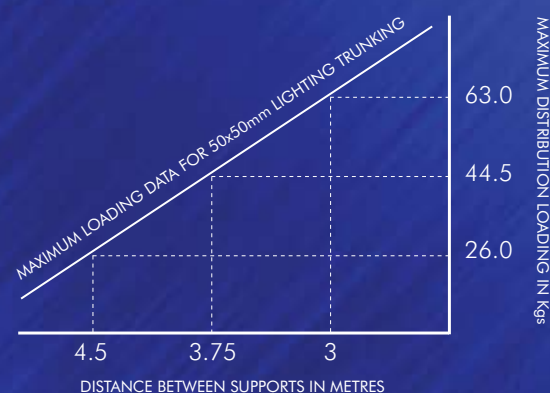


### Lighting Trunking

Ref.	Length
LT223 50 x 50mm	3m
LT223.5 50 x 50mm	3.5m
LT224.5 50 x 50mm	4.5m
LT226 50 x 50mm	6m

(Other sizes available on request)

ACCREDITED TO THE FOLLOWING STANDARDS



## LIGHTING TRUNKING SYSTEMS

### Long Coupling

Ref.LCL22 50mm x 50mm  
Ref.LCL33 75mm x 75mm

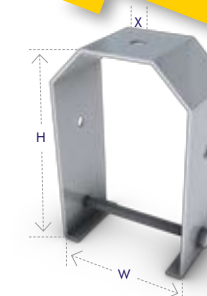


### Hanger Bracket

Ref.HBL(x)

Code	H	W	X	X
22	85	55	10	20
33	135	85	10	20
44	165	115	10	20
66	245	165	10	20

Other sizes available on request.

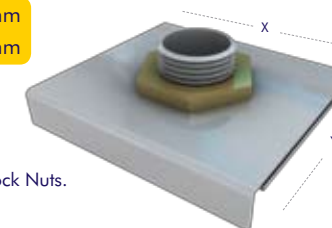


### Fitting Suspension

Ref.FSL22 50mm x 50mm  
Ref.FSL33 75mm x 75mm

Code	X	Y
22	62	55
33	82	85

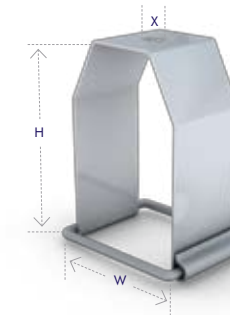
With Brass Bush and Steel Lock Nuts.



### Hanger Bracket (with Swing Bar)

Ref.HBL22SP(x) 50mm x 50mm

Code	W	H	X	X
22	55	85	10	20



### Galvanised Snap-In Lid

Ref.GCL2 50mm x 50mm

Supplied in 2 Metre Lengths.



### Galvanised Steel Lid

Ref.GSL2 50mm

Ref.GSL3 75mm

Supplied in 3 Metre Lengths.



### Klik Lid Section

Ref.KLS22

Lid Only.



### Blank End

Ref.BE22 50mm x 50mm

Ref.BE33 75mm x 75mm



### White Plastic Snap-in Lid

Ref.WPL22 50mm

Ref.WPL33 75mm

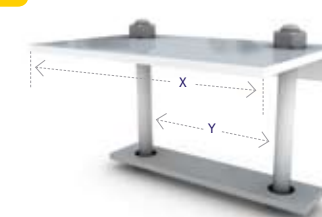
Supplied in 3 Metre Lengths.



### Beam Clamp A

Ref.BCA22 50mm x 50mm

Code	X	Y
22	90	60



### Window Beam Clamp

Ref.WBC22 50mm x 50mm

Code	X	Y	W
22	90	103	50

C/W M10 x 40 CPB (Bolt).







We're always making

# CONTINUED INVESTMENT

We have just installed a brand new trunking, roll forming production line. Allowing us to be more versatile, faster and more efficient - meaning that any of your trunking supply chain issues are solved faster than ever before.

With two factories and seven depots in the UK and Ireland, we work around the clock, and we offer same-day\* or next-day\*\* delivery.

WE GUARANTEE

- An even faster service
- The same great quality
- The same high safety standards
- A wider range of products
- Added flexibility



\* In accordance with stock availability.  
\*\* Standard delivery terms are 48 hours from receipt of order.

LIGHTING TRUNKING SYSTEMS

# CODE GUIDE

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PRE-GALVANISED



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POWDER COATED

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75	75	33	✓		
100	50	42	✓		
100	75	43	✓	✓	
100	100	44	✓	✓	
150	50	62	✓	✓	✓
150	75	63	✓	✓	✓
150	100	64	✓	✓	✓
150	150	66	✓	✓	✓
200	50	82	✓	✓	✓
200	75	83	✓	✓	✓
200	100	84	✓	✓	✓
200	150	86	✓	✓	✓
200	200	88	✓	✓	✓
225	50	92	✓	✓	✓
225	75	93	✓	✓	✓
225	100	94	✓	✓	✓
225	150	96	✓	✓	✓
225	225	99	✓	✓	✓
300	50	12X2	✓	✓	✓
300	75	12X3	✓	✓	✓
300	100	12X4	✓	✓	✓
300	150	12X6	✓	✓	✓
300	200	12X8	✓	✓	✓
300	225	12X9	✓	✓	✓
300	300	12X12	✓	✓	✓

STEP 5: GAUGE

Gauges conform to latest specifications. For specialist requirements a range of gauges are available on request.

Need something special or can't find what you're looking for?

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.

email: [bespoke@unitrunk.co.uk](mailto:bespoke@unitrunk.co.uk) 41



- Standard Trunking
- Multi Compartment Trunking
- Lighting Trunking
- Uniklip Cable Tray
- Speedway Cable Ladder
- Wire Mesh Tray
- Channel & Support
- Floor Trunking
- Bench Outlet & Perimeter Trunking
- Steel Conduit (Class 4)
- Innovative Design Solutions
- Accessories & Supports
- Index



## UNITRUNK CASE STUDY

# SPECIAL CARE



Having worked with Unitrunk in the past, we knew they were the only manufacturer who could meet our needs on a project of this size. ”

Gavin Hanlon, Mercury Engineering

It's great to know you are trusted. So we were delighted when our services were called upon to develop Scotland's biggest ever hospital project.

A new 'super' laboratory, which covers 25,000 square meters, has just been completed at the site of Glasgow's Southern General hospital and will serve the whole of Glasgow's south-side.

The lab is just one part of the £842 million project which will see an integrated children and adults' hospital built on the site of the current Southern General.



## PRODUCTS

- Standard Trunking
- Cable Tray
- Speedway SW4 Cable Ladder
- Support Channel & Bracketry





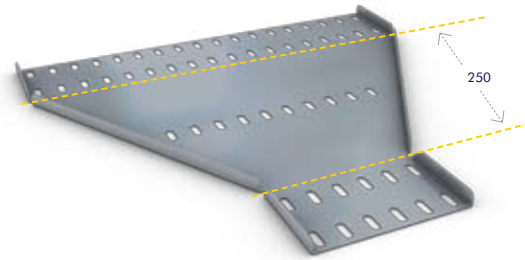


### Reducer

Ref. KLLD/SR

Assembly space = 250mm.

Please state sizes required.

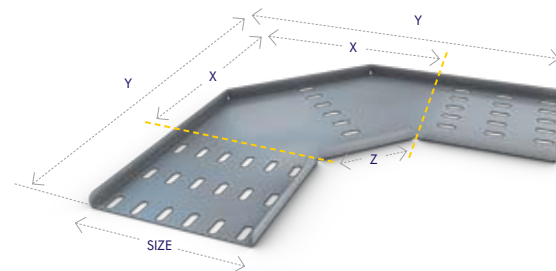


### Flat 90° Bend

Ref. KLLD 50 - 600FB90

Size	50	75	100	150	225	300	450	600
X	125	150	175	225	300	400	550	700
Y	213	238	263	313	388	488	638	788
Z	106	106	106	106	106	142	142	142
R	75	75	75	75	75	100	100	100

R: Radius

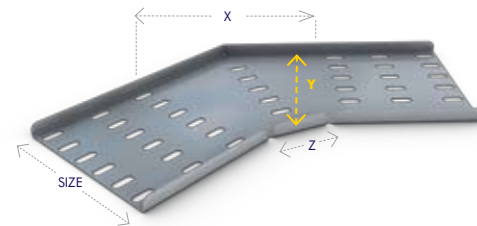


### Flat 45° Bend

Ref. KLLD 50 - 600FB45

Size	50	75	100	150	225	300	450	600
X	88	106	124	159	212	283	389	495
Y	72	97	122	172	247	329	479	629
Z	58	58	58	58	58	77	77	77
R	75	75	75	75	75	100	100	100

R: Radius

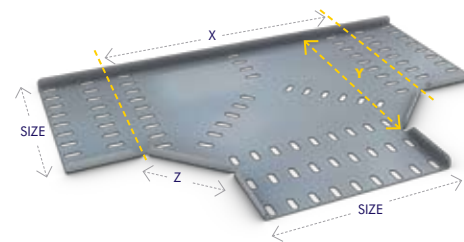


### Flat Equal Tee

Ref. KLLD 50 - 600ET

Size	50	75	100	150	225	300	450	600
X	196	221	246	296	371	446	596	746
Y	123	148	173	223	298	373	523	673
Z	106	106	106	106	106	106	106	106
R	75	75	75	75	75	75	75	75

R: Radius

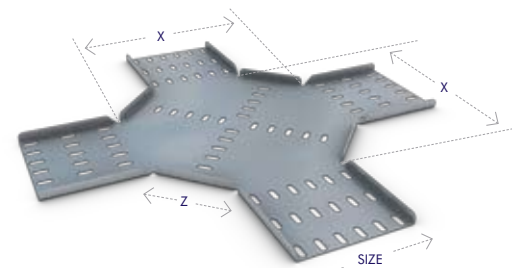


### Flat 4 Way Equal Intersection

Ref. KLLD 50 - 600FW

Size	50	75	100	150	225	300	450	600
X	200	225	250	300	375	450	600	750
Z	106	106	106	106	106	106	106	106
R	75	75	75	75	75	75	75	75

R: Radius



### Variable Riser

Ref.	Tray Width mm
KLLD50VR	50
KLLD75VR	75
KLLD100VR	100
KLLD150VR	150
KLLD225VR	225
KLLD300VR	300
KLLD450VR	450

Standard radius: 300mm.



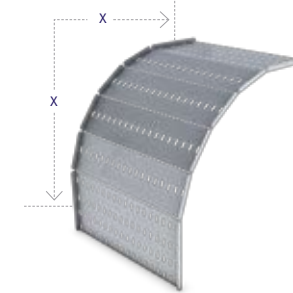
### Outside Riser

Ref. KLLD 600ER

Size	600
X	314

Standard radius: 300mm.

600 will be supplied formed 90°.



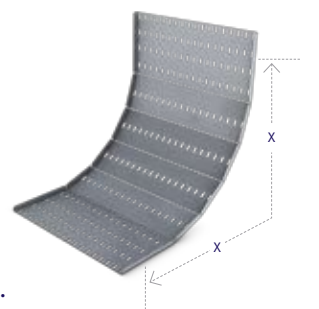
### Inside Riser

Ref. KLLD 600IR

Size	600
X	300

Standard radius: 300mm.

600 will be supplied formed 90°.



DISCOVER  
WHAT **3X**  
FASTER  
LOOKS LIKE



visit: **unitrunk.co.uk** to watch Uniklip vs. a standard system in the Cheetah Challenge



Medium Duty Cable Tray (in accordance with BS 61537:2007)

Ref.	Tray Width mm
KLMR50T	50
KLMR75T	75
KLMR100T	100
KLMR150T	150
KLMR225T	225
KLMR300T	300
KLMR450T	450
KLMR600T	600



**Available finishes include:** Pre-galvanised to BS EN 10346:2009 (standard references throughout brochure). Powder coated (prefix reference with PC).

UNIKLIP

Bag Ref. KLIPPKT  
Box Ref. KLIPBOX

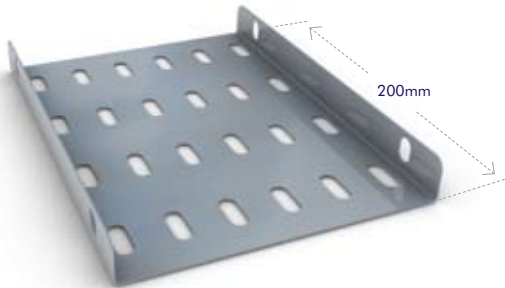
Available in bags of 40 or boxes of 200.



Fish Plate Coupler

Ref. KLMR/FPC 50-600

Length 200mm.



Fish Plate

Ref. KL/FP 150-600mm

Gauge 1.5mm.  
Length 200mm.



Straight Coupler

Ref. KLMR/SC

Length 200mm.  
Sold in pairs.

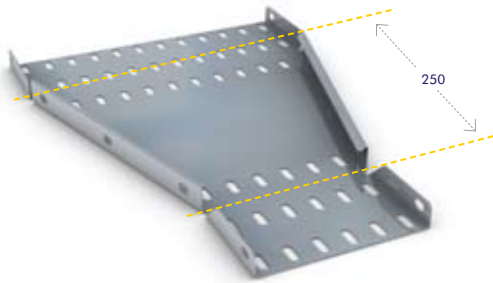


Reducer

Ref. KLMR/SR

Assembly space = 250mm.

Please state sizes required.



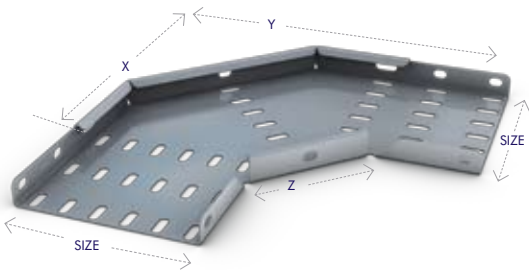
Flat 90° Bend

Ref. KLMR 50 - 600FB90

Size	50	75	100	150	225	300	450	600
X	125	150	175	225	300	400	550	700
Y	213	238	263	313	388	488	638	788
Z	106	106	106	106	106	142	142	142
R	75	75	75	75	75	100	100	100

(Fitting widths W. Sizes in mm)

R: Radius



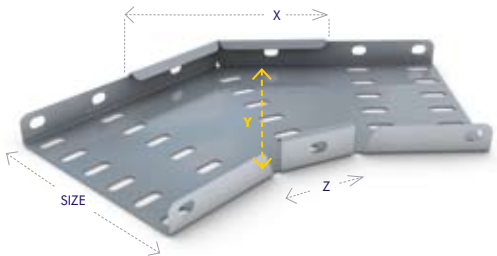
Flat 45° Bend

Ref. KLMR 50 - 600FB45

Size	50	75	100	150	225	300	450	600
X	88	106	124	159	212	283	389	495
Y	72	97	122	172	247	329	479	629
Z	58	58	58	58	58	77	77	77
R	75	75	75	75	75	100	100	100

(Fitting widths W. Sizes in mm)

R: Radius

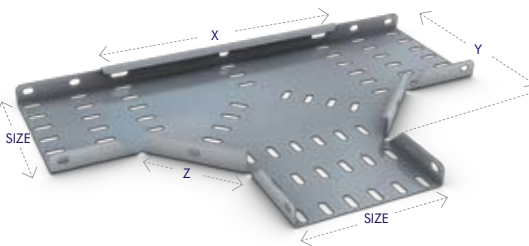


Flat Equal Tee

Ref. KLMR 50 - 600ET

Size	50	75	100	150	225	300	450	600
X	196	221	246	296	371	446	596	746
Y	123	148	173	223	298	373	523	673
Z	106	106	106	106	106	106	106	106
R	75	75	75	75	75	75	75	75

R: Radius

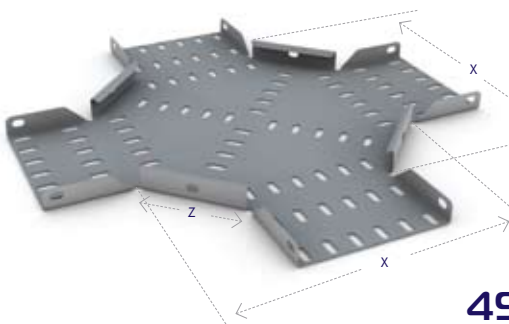


Flat 4 Way Equal Intersection

Ref. KLMR 50 - 600FW

Size	50	75	100	150	225	300	450	600
X	200	225	250	300	375	450	600	750
Z	106	106	106	106	106	106	106	106
R	75	75	75	75	75	75	75	75

R: Radius





Variable Riser

Ref.	Tray Width mm
KLMR50VR	50
KLMR75VR	75
KLMR100VR	100
KLMR150VR	150
KLMR225VR	225
KLMR300VR	300
KLMR450VR	450

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



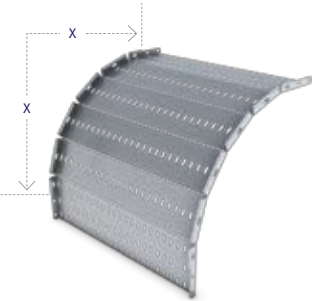
Outside Riser

Ref. KLMR 600ER

Size	600
X	326

Standard radius: 300mm.

600 will be supplied formed 90°.



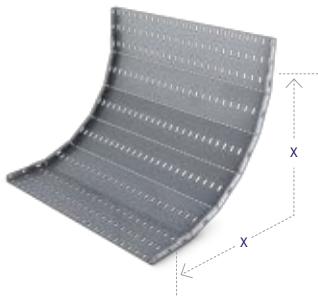
Inside Riser

Ref. KLMR 600IR

Size	600
X	300

Standard radius: 300mm.

600 will be supplied formed 90°.



Covers & Brackets

Ventilated Ref. KLMR/VCB  
Unventilated Ref. KLMR/UVCB

**Ventilated** 6 brackets required per cover.  
**Unventilated** Complete with Turnbuckle type fixings.

Suitable for medium and heavy return tray.

Ventilated and Unventilated covers are available for all tray accessories.



Ventilated.

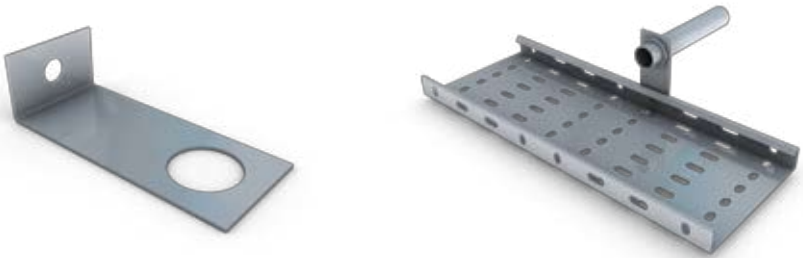


Unventilated.

Conduit Take-off Plate

Ref. KLTR/TOP 20mm  
Ref. KLTR/TOP 25mm

Suitable For Light/Medium/Heavy.

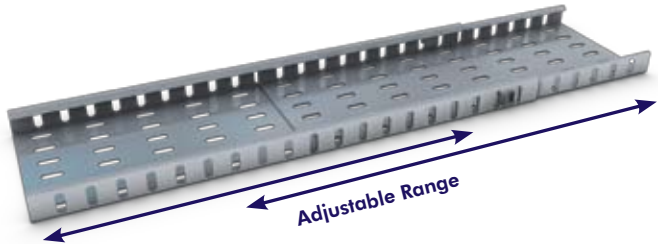


Adjustable Tray Extension

Ref. KLMRATE

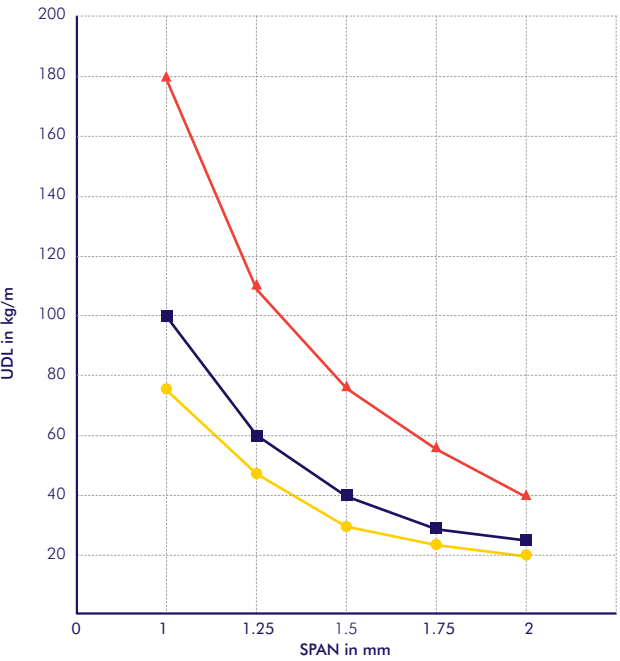
Size	Adjustable length ranges		
50	300 - 450	500 - 800	750 - 1200
75	300 - 450	500 - 800	750 - 1200
100	300 - 450	500 - 800	750 - 1200
150	300 - 450	500 - 800	750 - 1200
225	300 - 450	500 - 800	750 - 1200
300	300 - 450	500 - 800	750 - 1200
450	300 - 450	500 - 800	750 - 1200
600	300 - 450	500 - 800	750 - 1200

Other lengths available on request.



LOADING DATA FOR ALL UNITRUNK MR CABLE TRAY SYSTEMS

Unitrunk MR



**Key**

- 50 - 150
- 225 - 300
- 450 - 900



Heavy Duty Cable Tray

(in accordance with BS 61537:2007)

Ref.	Tray Width mm
KLHR50T	50
KLHR75T	75
KLHR100T	100
KLHR150T	150
KLHR225T	225
KLHR300T	300
KLHR450T	450
KLHR600T	600



**Available finishes include:** Pre-galvanised to BS EN 10346:2009 (standard references throughout brochure). Powder coated (prefix reference with PC).

UNIKLIP

Bag Ref. KLIPPKT  
Box Ref. KLIPBOX

Available in bags of 40 or boxes of 200.



Fish Plate Coupler

Ref. KLHR/FPC 50-600

Length = 200mm.



Fish Plate

Ref. KL/FP 150-600

Length = 200mm.



Straight Coupler

Ref. KLHR/SC

Length = 200mm.  
Sold in pairs.

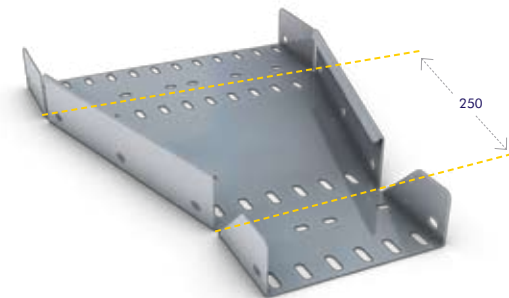


Reducer

Ref. KLHR/SR

Assembly space = 250mm.

Please state sizes required.

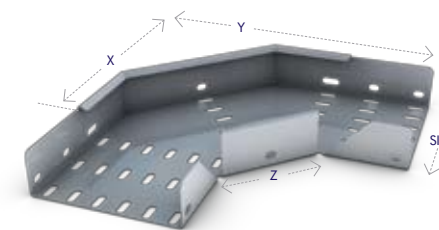


Flat 90° Bend

Ref. KLHR 50 - 600FB

Size	50	75	100	150	225	300	450	600
X	125	150	175	225	300	400	550	700
Y	213	238	263	313	388	488	638	788
Z	106	106	106	106	106	142	142	142
R	75	75	75	75	75	100	100	100

R: Radius

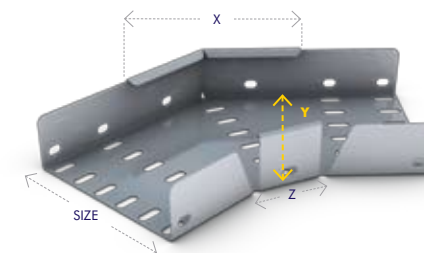


Flat 45° Bend

Ref. KLHR 50 - 600FB45

Size	50	75	100	150	225	300	450	600
X	88	106	124	159	212	283	389	495
Y	72	97	122	172	247	329	479	629
Z	58	58	58	58	58	77	77	77
R	75	75	75	75	75	100	100	100

R: Radius

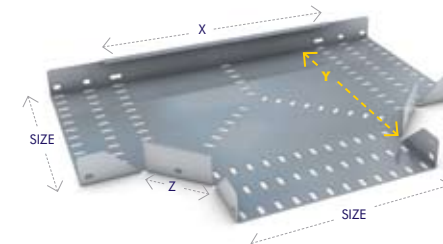


Flat Equal Tee

Ref. KLHR 50 - 600ET

Size	50	75	100	150	225	300	450	600
X	196	221	246	296	371	446	596	746
Y	123	148	173	223	298	373	523	673
Z	106	106	106	106	106	106	106	106
R	75	75	75	75	75	75	75	75

R: Radius

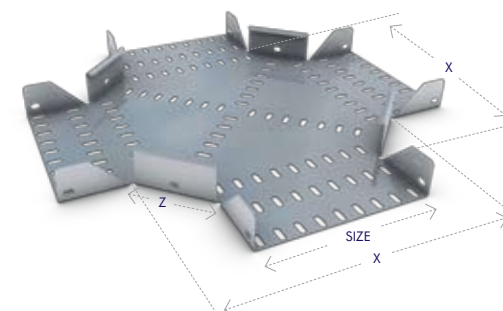


Flat 4 Way Equal Intersection

Ref. KLHR 50 - 600FW

Size	50	75	100	150	225	300	450	600
X	200	225	250	300	375	450	600	750
Z	106	106	106	106	106	106	106	106
R	75	75	75	75	75	75	75	75

R: Radius





## Variable Riser

Ref.	Tray Width mm
KLHR50VR	50
KLHR75VR	75
KLHR100VR	100
KLHR150VR	150
KLHR225VR	225
KLHR300VR	300
KLHR450VR	450

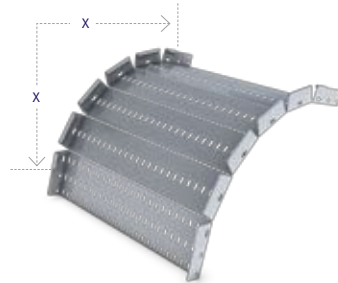
(Fitting widths W. Sizes in mm)  
Standard radius: 300mm.



## Outside Riser

Ref. KLHR 600ER

Size	600
X	350



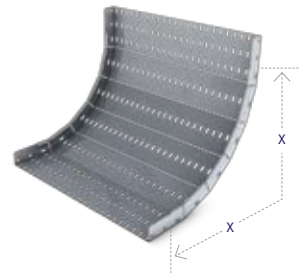
Standard radius: 300mm.

600 will be supplied formed 90°.

## Inside Riser

Ref. KLHR 600IR

Size	600
X	300



Standard radius: 300mm.

600 will be supplied formed 90°.

## Covers & Brackets

Ventilated Ref. KLHR/VCB  
Unventilated Ref. KLHR/UCVB

**Ventilated** 6 brackets required per cover.  
**Unventilated** Complete with Turnbuckle type fixings.

Suitable for medium and heavy return tray.

Ventilated and Unventilated covers are available for all tray accessories.



Ventilated.

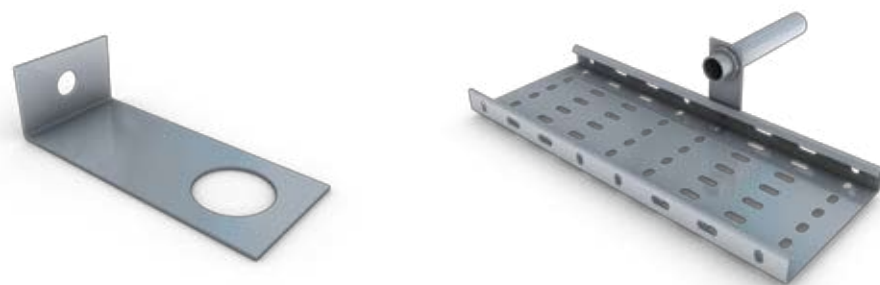


Non-Ventilated.

## Conduit Take-off Plate

Ref. KLTR/TOP 20mm  
Ref. KLTR/TOP 25mm

Suitable For Light/Medium/Heavy.

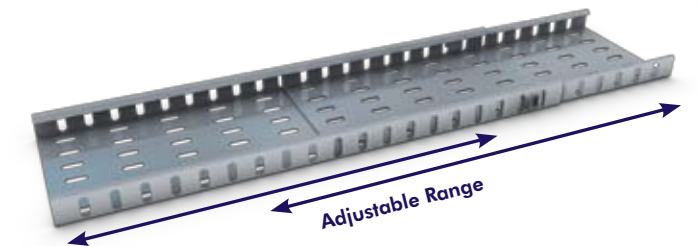


## Adjustable Tray Extension

Ref. KLHRATE

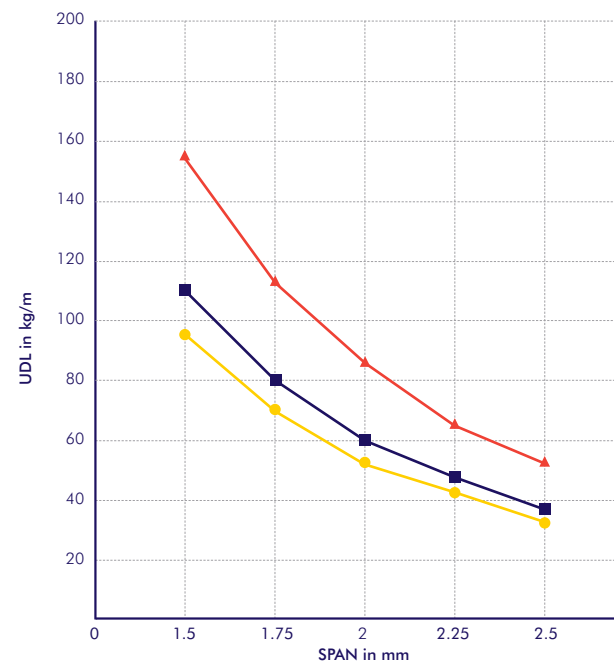
Size	Adjustable length ranges		
50	300 - 450	500 - 800	750 - 1200
75	300 - 450	500 - 800	750 - 1200
100	300 - 450	500 - 800	750 - 1200
150	300 - 450	500 - 800	750 - 1200
225	300 - 450	500 - 800	750 - 1200
300	300 - 450	500 - 800	750 - 1200
450	300 - 450	500 - 800	750 - 1200
600	300 - 450	500 - 800	750 - 1200

Other lengths available on request.



## LOADING DATA FOR ALL UNISTRUNK HR CABLE TRAY SYSTEMS

### Unitrunk HR



#### Key

- 50 - 150
- 225 - 300
- 450 - 900



## Tray Overhead Hangers

Ref. KLOH3 to KLOH12

Suitable for Light/Medium/Heavy, 1.5mm Pre Galvanised Steel. 75mm to 300mm Tray Width.



## Vertical Adjustable Coupler

Medium Ref. KLMRVAC  
Heavy Ref. KLHRVAC

Sold in pairs to suit MR and HR Tray.

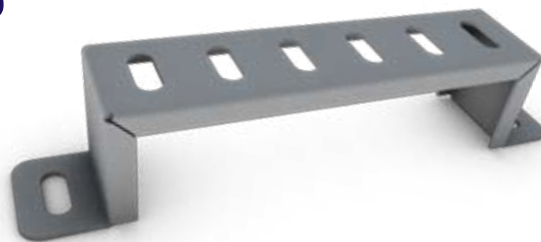


## Stand-off Bracket

Ref. KLSOB2 to KLSOB24

Size	50	75	100	150	225	300	450	600

**Available finishes include:** Pre-galvanised to BS EN 10346:2009 (standard references throughout brochure). Powder coated (prefix reference with PC).



## Cantilever Arm

Ref. KLCARM

Size	100	150	225	300	450



## Fitting to Fitting Adapter

Ref. KLLDFFA, Ref. KLMRFFA, Ref. KLHRFFA

Size	50	75	100	150	225	300	450	600

Used to connect one cable tray fitting directly onto another cable tray fitting.



# CABLE TRAY SYSTEM FINISHES

(EXCLUDING RIS UNIKLIP SYSTEM)

**Galvanised After:** Products to this finish are manufactured from mild steel and galvanised after manufacture in accordance with BS EN 1461. These products achieve a thicker coating of zinc which enhances the products resistance to corrosion. Products to this finish are suitable for outdoor installations.



**Stainless Steel:** Used for products to be installed in the harshest of environments and in various process facilities. Unitrunk offers two grades of stainless steel material.

**Grade 1.4401 (304):** Used extensively throughout the industry. This is a tough, corrosion resistant austenitic grade of stainless steel which is popular in the food and pharmaceutical process industries. Unitrunk cable trunkings are as standard supplied in this grade of material.

**Grade 1.4404 (316(L)):** Also referred to as Marine Grade. This austenitic grade of stainless steel through the addition of molybdenum is used mainly for installations which are exposed to high saline content environments such as offshore facilities and coastal environments. Our cable ladders, cable trays and support channels are supplied as standard in this grade of material. These two grades of stainless steel are to BS EN 10088-2:2005.



**Powder Coated (Multicoloured):** The painted finish is achieved by powder coating the base steel. This process is achieved by electrostatically charging the base material and then applying a free flowing, dry coloured powder to it. Heat is then applied to allow it to flow and form a "skin". The powder coated finish is very tough and durable providing relatively good corrosion protection. It can be applied to any type of steel finish, including post-galvanised.



**Galvanised After Manufacture Corten A Steel:** This material is used for products to be installed in environments where high levels of humidity and/or where corrosive substances are present. The high silicon content of Corten A substantially increases the zinc coating thickness which adheres to the surface of the steel thereby extending the life cycle of the installation. The typical zinc coating thickness achieved on 2.0mm mild steel, in accordance with BS EN 1461, is 55µ (microns) whereas 2.0mm Corten A steel can comfortably achieve a coating thickness of 140µ, more than doubling the time to first maintenance.



**Pre-Galvanised 750 + 900:** Mild steel material to BS EN 10346:2009, pre-coated at the steel manufacturers. Good resistance to rust in a dry, indoor environment. Not recommended for humid or outdoor installations.



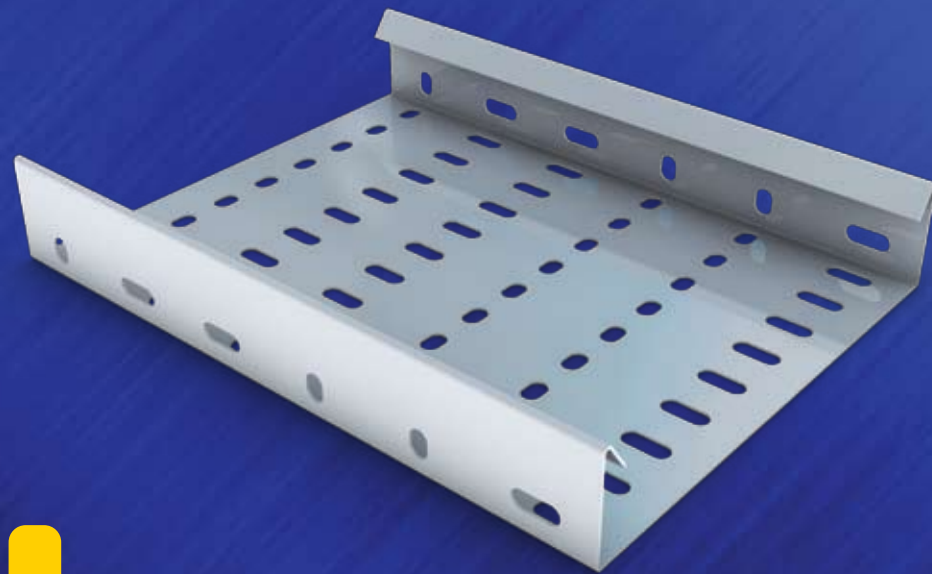


## SECTION 4

# CABLE TRAY SYSTEMS

The Unitrunk range of Cable Tray Systems has been developed to suit the demands of an ever changing market. Considerable investment in state of the art computerised machinery has developed a production facility which is able to respond quickly to the demands of the market, making Unitrunk one of the most advanced companies in this field.

Customer satisfaction is of paramount importance to Unitrunk and great care is taken to ensure that the highest standards of manufacture are maintained. Unitrunk Cable Tray Systems consist of light, medium and heavy duty pattern with standard perforations. The requirements of a cable tray finish can vary, depending upon the situation, from being purely cosmetic to being capable of providing protection in the most corrosive environments. Unitrunk Cable Tray is produced in pre-galvanised mild steel to BS EN 10346:2009 or galvanized in accordance with BS EN ISO1461. All our trays conform to BS 61537:2007. A wide range of materials and finishes are also available on request.



ACCREDITED TO THE FOLLOWING STANDARDS



## LIGHT DUTY CABLE TRAY SYSTEMS

### Light Duty Cable Tray (in accordance with BS 61537:2007)

All light duty tray lengths up to and including LD225T will be supplied with an inwards form on one end (to eliminate the need for couplers). LD300/T and above require the use of couplers. A range of gauges are available on request.



If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 45

#### Straight Coupler

Ref.LD/SC



Length 161mm.  
Sold in pairs.

#### Fish Plate

Ref.LD/FP 225-900



Tray width less 58mm/Gauge 1.5mm.

#### Earth Link

Ref.CES (Plain Copper)  
Ref.TCES (Tinned Copper)  
Ref.EBS100 (M6 Braid)



#### Cranked Coupler

Ref.LD/CC



Sold in pairs.

#### Reducer

Ref.LD/R



Total length 250mm.  
Please state sizes required.

#### Bolts & Nuts

Ref.M6X12



Order separately.

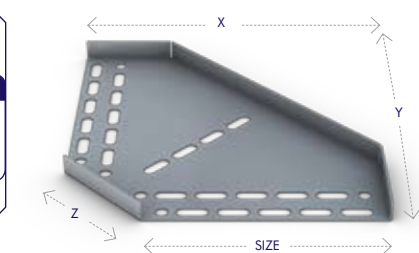
#### Flat 90° Bend

Ref.LD 50 - 900FB

Size	50	75	100	150	225	300	450	600	750 - 900 ONLY	750	900
X	114	139	164	214	289	364	515	665		815	965
Y	114	139	164	214	289	36	515	665		815	965
Z	58	58	58	58	115	115	115	115		115	115

Available across this size range: GA, SS, PC, GX

Available across this size range: PG



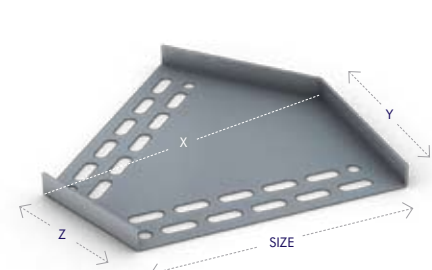
If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 46



Flat 45° Bend

Ref.LD 50 - 900FB45

Size	50	75	100	150	225	300	450	600	750	900
X	74	99	124	174	271	346	497	647	797	947
Y	87	105	123	158	265	318	424	530	636	742
Z	57	57	57	57	114	115	115	115	115	115

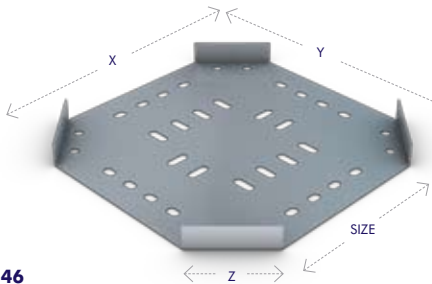


If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 46

Flat 4 Way Equal Intersection

Ref.LD 50 - 900FW

Size	50	75	100	150	225	300	450	600	750	900
X	197	222	247	297	522	597	747	897	1047	1197
Y	197	222	247	297	522	597	747	897	1047	1197
Z	58	58	58	58	115	115	115	115	115	115

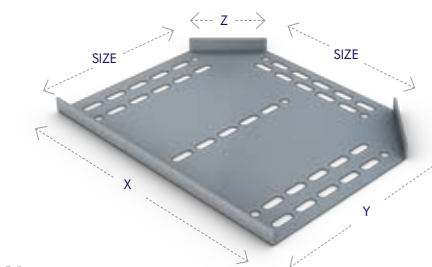


If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 46

Flat Equal Tee

Ref.LD 50 - 900ET

Size	50	75	100	150	225	300	450	600	750	900
X	197	222	247	297	522	597	747	897	1047	1197
Y	125	150	175	225	375	450	600	751	900	1050
Z	58	58	58	58	115	115	115	115	115	115



If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 46

Outside Riser

Ref.LD 50 - 900 VR

Size	50	75	100	150	225	300	450	600	750	900
X	163	163	163	163	321	321	321	321	321	321
Y	163	163	163	163	321	321	321	321	321	321

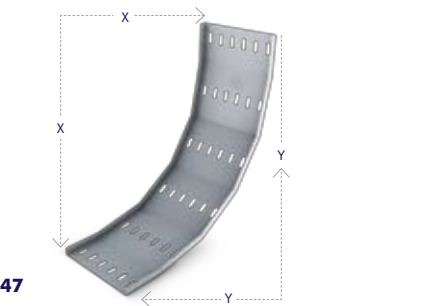


If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 47

Inside Riser

Ref.LD 50 - 900 VR

Size	50	75	100	150	225	300	450	600	750	900
X	151	151	151	151	301	301	301	301	301	301
Y	151	151	151	151	301	301	301	301	301	301



If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 47

Medium Duty Cable Tray (in accordance with BS 61537:2007)

Ref.	Tray Width mm
MD50T	50
MD75T	75
MD100T	100
MD150T	150
MD225T	225
MD300T	300
MD450T	450
MD600T	600
MD750T	750
MD900T	900



If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 48

Straight Coupler

Ref.MR/SC

Length 225mm.  
Sold in pairs.



Cranked Coupler

Ref.MR/CC

Sold in pairs.



Fish Plate

Ref.MR/FP 225-900mm

Tray width less 58mm/Gauge 1.5mm.





Reducer

Ref.MR/R

Total length 250mm.  
Please state sizes required.



Flat 90° Bend

Ref.LD MR 50 - 900FB

Size	50	75	100	150	225	300	450	600	750	900
X	126	151	176	226	376	451	601	751	900	1050
Y	126	151	176	226	376	451	601	751	900	1050
Z	58	58	58	58	115	115	115	115	115	115

If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 49

Flat 45° Bend

Ref.MR 50 - 900FB45

Size	50	75	100	150	225	300	450	600	750	900
X	72	97	122	172	268	344	494	643	793	948
Y	89	106	124	159	265	318	24	530	636	746
Z	58	58	58	58	115	115	115	115	115	115

If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 49

Flat 4 Way Equal Intersection

Ref.MR 50 - 900FW

Size	50	75	100	150	225	300	450	600	750	900
X	210	235	260	310	535	611	762	912	1062	1212
Y	210	235	260	310	35	611	762	912	1062	1212
Z	58	58	58	58	115	115	115	115	115	115

If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 49

Flat Equal Tee

Ref.MR 50 - 900ET

Size	50	75	100	150	225	300	450	600	750	900
X	204	229	254	304	530	605	755	906	1056	1206
Y	127	152	177	227	377	452	603	752	902	1053
Z	58	58	58	58	115	115	115	115	115	115

If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 49

Outside Riser

Ref.MR 50 - 900 VR

Size	50	75	100	150	225	300	450	600	750	900
X	174	174	174	174	323	323	323	323	323	323
Y	174	174	174	174	323	323	323	323	323	323

If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 50

Inside Riser

Ref.MR 50 - 900 VR

Size	50	75	100	150	225	300	450	600	750	900
X	151	151	151	151	301	301	301	301	301	301
Y	151	151	151	151	301	301	301	301	301	301

If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 50

Conduit Take-off Plate

Ref.TR/TOP 20mm

Ref.TR/TOP 25mm

Suitable For Light/Medium/Heavy.

Earth Link

Ref.CES (Plain Copper)

Ref.TCES (Tinned Copper)

Ref.EBS100 (M6 Braid)

Bolts & Nuts

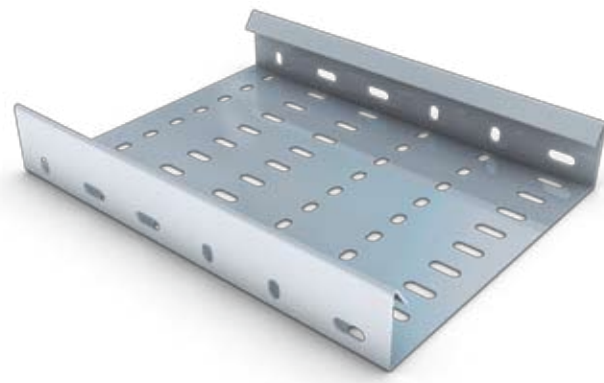
Ref.M6X12

Order separately.



Heavy Duty Cable Tray  
(in accordance with BS 61537:2007)

Ref.	Tray Width mm
HD50T	50
HD75T	75
HD100T	100
HD150T	150
HD225T	225
HD300T	300
HD450T	450
HD600T	600
HD750T	750
HD900T	900



If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 52

Straight Coupler

Ref.HR/SC

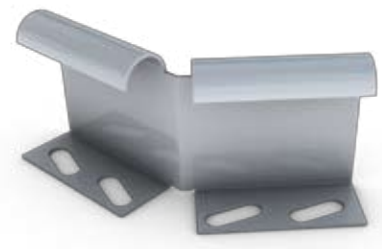
Length 225mm.  
Sold in pairs.



Cranked Coupler

Ref.HR/CC

Sold in pairs.



Fish Plate

Ref.HR/FP 225-900mm

Tray width less 58mm.



Reducer

Ref.HR/R

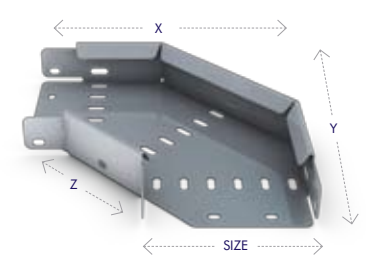
Total length 250mm.  
Please state sizes required.



Flat 90° Bend

Ref.HR 50 - 900FB

Size	50	75	100	150	225	300	450	600	750 - 900 ONLY
X	126	151	176	226	376	451	601	751	901
Y	126	151	176	226	376	451	601	751	901
Z	58	58	58	58	115	115	115	115	115

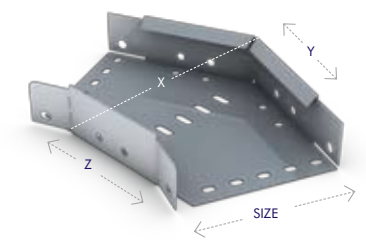


If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 53

Flat 45° Bend

Ref.HR 50 - 900FB45

Size	50	75	100	150	225	300	450	600	750 - 900 ONLY
X	72	97	122	172	269	344	494	644	794
Y	89	106	124	159	265	318	424	530	637
Z	58	58	58	58	115	115	115	115	115

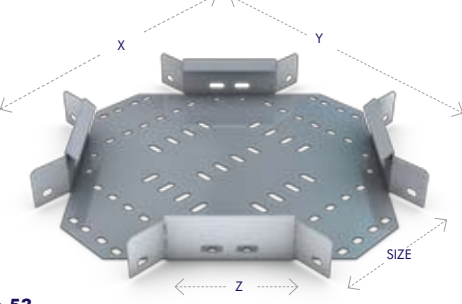


If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 53

Flat 4 Way Equal Intersection

Ref.HR50 - 900FW

Size	50	75	100	150	225	300	450	600	750 - 900 ONLY
X	210	235	260	310	536	611	762	913	1063
Y	210	235	260	310	536	611	762	913	1063
Z	58	58	58	58	115	115	115	115	115

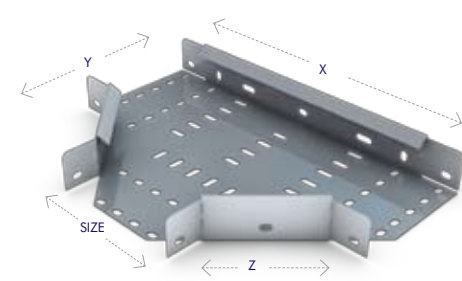


If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 53

Flat Equal Tee

Ref.HR 50 - 900ET

Size	50	75	100	150	225	300	450	600	750 - 900 ONLY
X	204	229	254	304	530	605	755	906	1056
Y	127	152	177	227	377	452	603	753	903
Z	58	58	58	58	115	115	115	115	115



If you require 50 - 600 in PG please refer to the UNIKLIP Cable Tray section on page 53



Outside Riser

Ref.HR 50 - 900 ER

Size	50	75	100	150	225	300	450	600	750	900
X	199	199	199	199	348	348	348	348	348	348
Y	199	199	199	199	348	348	348	348	348	348

Available across this size range

GA SS PC GX

Available across this size range

750 - 900 ONLY

PC

If you require 50 - 600 in  please refer to the  Cable Tray section on page 54

Inside Riser

Ref.HR 50 - 900 IR

Size	50	75	100	150	225	300	450	600	750	900
X	151	151	151	151	301	301	301	301	301	301
Y	151	151	151	151	301	301	301	301	301	301

Available across this size range

GA SS PC GX

Available across this size range

750 - 900 ONLY

PC

If you require 50 - 600 in  please refer to the  Cable Tray section on page 54

**DON'T FORGET THE NUTS & BOLTS OF IT...**

**REMEMBER TO CHECK SECTION 12**

For all your Accessories & Supports needs

SEE PAGE 136

Tray Overhead Hangers

Ref.OH3 to OH12

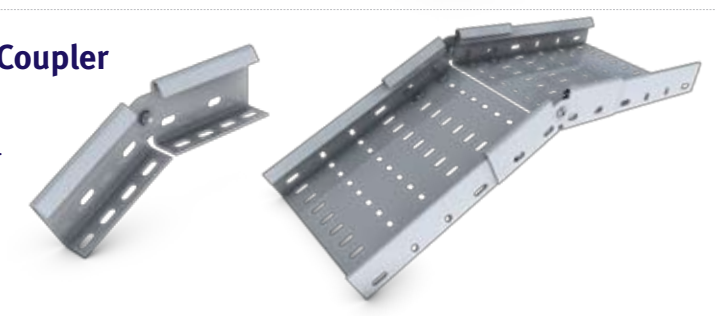
Suitable for Light/Medium/Heavy, 2mm Pre or Post Galvanised Steel. 75mm to 300mm Tray Width.



Vertical Adjustable Coupler

Ref.HR-VAC / MR-VAC

Sold in pairs to suit MR and HR Tray.



Stand-off Bracket

Ref.SOB2 to SOB24

Size	50	75	100	150	225	300	450	600
Height	40	40	40	40	40	40	40	40

Order Information

Stainless Steel 316 grade (prefix reference with SS).

**Available finishes include:** Pre-galvanised to BS EN 10346:2009 (standard references throughout brochure). Post galvanised to BS EN ISO 1461:1999 (prefix reference with GA). Powder coated (prefix reference with PC).



Earth Link

Ref.CES (Plain Copper)  
Ref.TCES (Tinned Copper)  
Ref.EBS100 (M6 Braid)





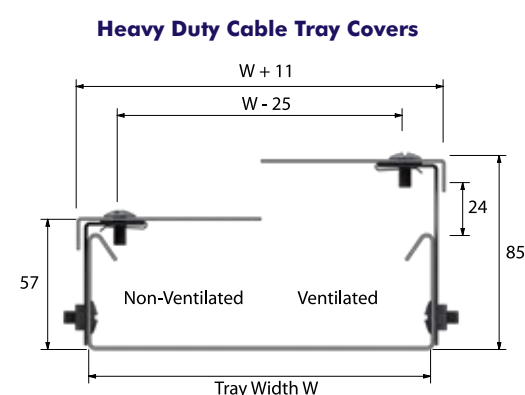
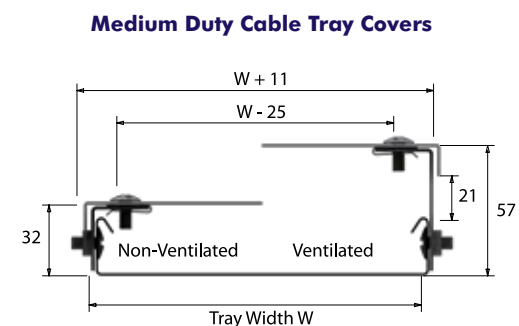
### Covers & Brackets

The Unitrunk cable tray range is complimented by an extensive range of covers. Covers are available to suit the Unitrunk medium duty return flange and Unitrunk heavy duty return flange 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, plain, 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.

### Cover Fixing Kits

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



### 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

Cover Type	Bracket Height Hb mm
Medium duty closed covers	28
Medium duty ventilated covers	53
Heavy duty closed covers	53
Heavy duty ventilated covers	81

### Unitrunk Cable Tray Cover assembly detail



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

### Unitrunk Cable Tray Cover mounting bracket



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).

### 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.



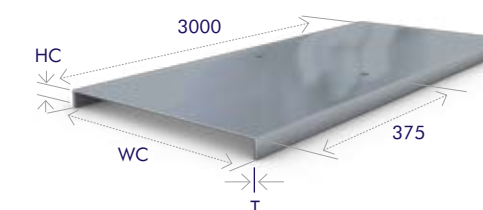
Straight Cable Tray Closed (Non-Ventilated) Cover.



Straight Cable Tray Ventilaled (Raised) Cover.

### Straight Tray Covers - Dimensions & Weights

Tray Width (mm)	Cover Width WC (mm)	Height HC (mm)	Gauge T (mm)	Weight (kg)
50	61	11.9	1.2	2.51
75	86	11.9	1.2	3.17
100	111	11.9	1.2	3.92
150	161	11.9	1.2	5.43
225	236	11.9	1.2	7.70
300	311	12.2	1.2	9.96
450	461	12.5	1.5	18.13
600	611	12.5	1.5	23.78
750	761	12.5	1.5	29.47
900	911	12.5	1.5	35.12



### Cable Tray Fitting Covers

Covers are available for the Unitrunk medium duty and Unitrunk heavy duty cable tray fittings.



Unitrunk Heavy Duty Cable Tray Flat Bend Non-ventilated Cover.



Unitrunk Heavy Duty Cable Tray 90° Inside Riser Ventilaled Cover.



## UNITRUNK CASE STUDY



# SAVING TIME, MONEY AND MOTHER NATURE



The new Uniklip cable tray range was of great benefit - it was very quick and easy to install. It was also good that it could be used in conjunction with the traditional Unitrunk range and that no extra tools were required to install it.



Chris Adams, JBE Building Services Ltd

Unitrunk are always innovative. Not only did our new Uniklip system revolutionise cable installation this year, but it has now been fitted in Tesco's first ever eco superstore in Northern Ireland.

The retail giant picked Newtownards as the site for its ultra-efficient new superstore. The site is designed to be totally sustainable and eco-friendly: it has large windows to boost natural light inside, a timber-steel hybrid frame, 100% sustainable timber cladding, new natural refrigeration technology and even generates its own electricity.

So with forward-thinking and cutting-edge technology a priority, it's no surprise that the new Uniklip system was called in to action. Uniklip makes it possible to install systems three-times faster than normal, saving installers huge amounts of time and money.

A UNITRUNK INNOVATION



## PRODUCTS

- Uniklip HR Tray
- Uniklip Accessories
- Standard Trunking
- Support Channel & Bracketry



## SECTION 5

# SPEEDWAY CABLE LADDER SYSTEMS

The Speedway Cable Ladder System represents a major advance in cable ladder design, providing faster and easier installation, a unique coupler locking system and a comprehensive range of accessories.

The Speedway Cable Ladder System is subject to Registered Design, Trade Mark and Patent considerations and conforms to BS EN 61537:2007.

### SPEEDWAY – FOR WHEN IT MATTERS

#### THE LADDER SYSTEMS

are manufactured in 3 heights:

- SPEEDWAY 4 (SW4) - 100mm overall height
- SPEEDWAY 5 (SW5) - 125mm overall height
- SPEEDWAY 6 (SW6) - 150mm overall height

#### SYSTEM ATTRIBUTES

##### Special Profiled Side Section:

1. Enhanced structural rigidity.
2. Increased internal width for cables.
3. High performance coupling.
4. Safety edge.

##### Slotted Side Section:

1. Allows faster installation as the ladder can be cut to any length and coupled without on-site drilling.
2. Fixing to ladder sides.
3. Reduced weight.

#### Shallow Channel Rungs:

1. The welding of the rungs to the lowest point of the side section ensures maximum loading height.
2. High strength even in the widest ladders.
3. Use of every known type of cleat, tie and bonding with infinite adjustment.
4. Rungs alternately inverted (on lengths) permitting suspension of light fittings etc. from underside.

#### Speedway Cable Ladder is supplied in various materials and finishes:

- GA** Hot dip galvanized after manufacture to BS EN 1461:2009
- GX** Hot dip deep galvanized after manufacture to BS EN 1461:2009
- PC** Powder Coating over mild steel to BS EN 10111:2008
- SS** Stainless steel grade 1.4404 (316 marine) to BS EN 10088-2:2005

ACCREDITED TO THE FOLLOWING STANDARDS

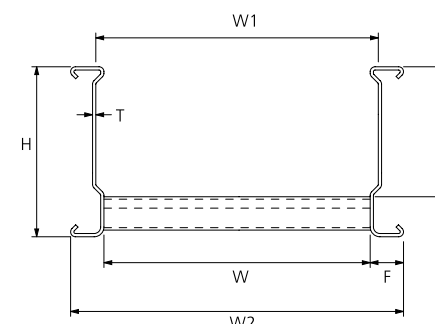


## SPEEDWAY CABLE LADDER SYSTEMS

### Speedway SW4 Cable Ladder

Speedway 4 (SW4) Cable Ladder is manufactured in 3.0m lengths as standard with 6.0m lengths to order. The cable ladder is available in standard widths of 150mm, 300mm, 450mm, 600mm, 750mm and 900mm, other widths available to order. The ladder sidewalls are manufactured from 1.5mm gauge material, rungs up to 600mm wide are from 1.5mm material and rungs from 750mm width and upwards manufactured from 2.0mm material. Rung spacing is 300mm.

Ref.SW4/SL3/Width/G



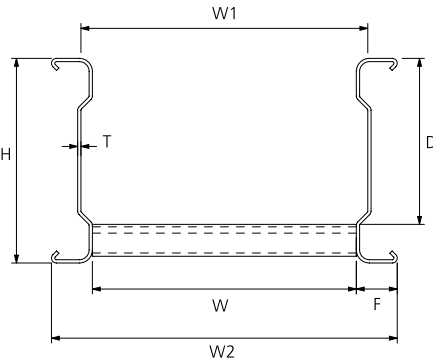
Height	H	103.5mm
Loading Depth	D	78mm
Ladder Width	W	100mm to 1050mm
Maximum Internal Width	W1	W + 10mm
Overall Width	W2	W + 39mm
Flange Width	F	19.5mm
Standard Gauge	T	1.5mm



Speedway SW5 Cable Ladder

Speedway 5 (SW5) Cable Ladder is manufactured in 3.0m lengths as standard with 6.0m lengths supplied to order. The ladder side walls are manufactured from 2.0mm material, rungs up to 600mm wide are manufactured from 1.5mm material and rungs from 750mm width and above are manufactured from 2.0mm material. Rung spacing is 300mm as standard.

Ref.SW5/SL3/Width/G

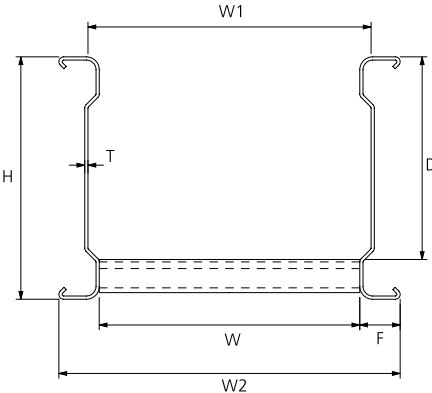


Height	H	125mm
Loading Depth	D	100mm
Ladder Width	W	100mm to 1500mm
Maximum Internal Width	W1	W + 14mm
Overall Width	W2	W + 50mm
Flange Width	F	25mm
Standard Gauge	T	2mm

Speedway SW6 Cable Ladder

Speedway 6 (SW6) Cable Ladder is manufactured in 3.0m lengths as standard with 6.0m lengths supplied to order. The ladder is manufactured from 2.0mm material throughout. The Cable Ladder is available in standard widths of 150mm, 300mm, 450mm, 600mm, 750mm and 900mm with other widths manufactured to order. Rung spacing is 300mm standard.

Ref.SW6/SL3/Width/G



Height	H	150mm
Loading Depth	D	125mm
Ladder Width	W	100mm to 1500mm
Maximum Internal Width	W1	W + 14mm
Overall Width	W2	W + 50mm
Flange Width	F	25mm
Standard Gauge	T	2mm



Standard Trunking
Multi Compartment Trunking
Lighting Trunking
Uniklip Cable Tray
Speedway Cable Ladder
Wire Mesh Tray
Channel & Support
Floor Trunking
Bench Outlet & Perimeter Trunking
Steel Conduit (Class 4)
Innovative Design Solutions
Accessories & Supports
Index



### Cable Ladder Fitting with Integral Coupler

Fast fit, total cost saving through reduction of the number of couplers and fixings required. The integral coupler has a formed shape which increases strength and rigidity and reduces joint hinging.



### Flat Elbow 30°, 45°, 60°, 90°

Ref.SW-/FE Angle/Width /Radius/Finish



### Cross

Ref.SW-/C/Width/Radius/Finish



### Equal Tee

Ref.SW-/ET/Width/ Radius/Finish

Can also be manufactured unequal.

Ref.SW-/UET/W1/W2/ Radius/Finish



### Covers

SW/CC/SL1.5/Width/Finish (Closed)  
SW/CL/SL1.5/Width/Finish (Louvered)

Supplied c/w fixings. Please note straight ladder covers are supplied in 1.5m lengths.



### Riser (Outside) 30°, 45°, 60°, 90°

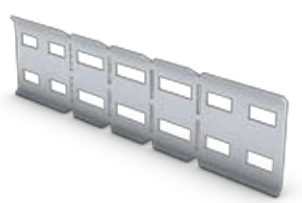
Ref.SW-/OR Angle/Width /Radius/Finish



### Short Adjustable Coupler

Ref. SW-/SAC/Finish

Overall length 300mm. Used as an alternative to Reducers/unequal tees. Supplied c/w fixings.



### Riser (Inside) 30°, 45°, 60°, 90°

Ref.SW-/IR Angle/Width /Radius/Finish



### Straight Coupler

Ref.SW-/CS/Finish

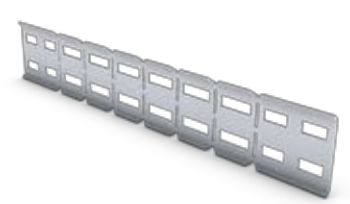
Sold in pairs. Supplied c/w fixings. 1 Pair per ladder.



### Long Adjustable Coupler

Ref.SW-/LAC/Finish

Overall length 450mm. Used as an alternative to Reducers/ unequal tees. Supplied c/w fixings.



### Adjustable Fixing Bracket

Ref.SW-/AFB/Finish

Supplied c/w 1 fixing.



### External Flange Clamp

Ref.SW-/EFC/Finish

Fixings ordered separately.



### Horizontal Adjustable Coupler

Ref.SW-/HAC/Finish

Sold in pairs c/w fixings.



### Hold Down Bracket

Ref.SW-/HDB/Finish

Fixings ordered separately. Sold in pairs.



### Vertical Adjustable Coupler

Ref.SW-/VAC/Finish

Sold in pairs c/w fixings.

Identical for sw4 & sw5 order as: sw4/5/vac/finish for sw6 order as: sw6/vac/finish.



### Straight Ladder Divider

Ref.SW-/SL/1.5/Finish

Straight ladder dividers are 1.5m long. Fixings separate.



### Reducer Right Hand

Ref.SW-/RL/W1/W2/Finish



### Straight Reducer

Ref.SW-/RS/W1/W2/Finish



### Reducer Left Hand

Ref.SW-/RR/W1/W2/Finish



Standard Trunking
Multi Compartment Trunking
Lighting Trunking
Uniklip Cable Tray
Speedway Cable Ladder
Wire Mesh Tray
Channel & Support
Floor Trunking
Bench Outlet & Perimeter Trunking
Steel Conduit (Class 4)
Innovative Design Solutions
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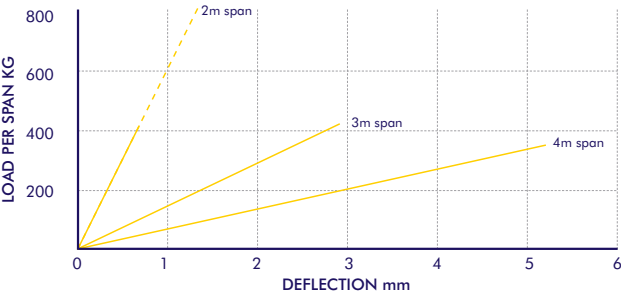


Earth Link  
Ref.EBS101 (M6 BRAID)



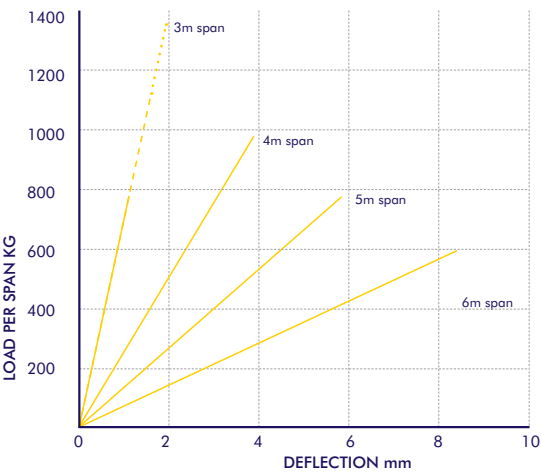
These illustrated graphs are indicative of the performance of Speedway SW4, SW5 and SW6 Cable Ladder in a typical continuous beam installation. The loading figures have been determined by actual load tests. For detailed loading data please contact our technical department.

Speedway SW4  
Load Deflection Data - Continuous Beam



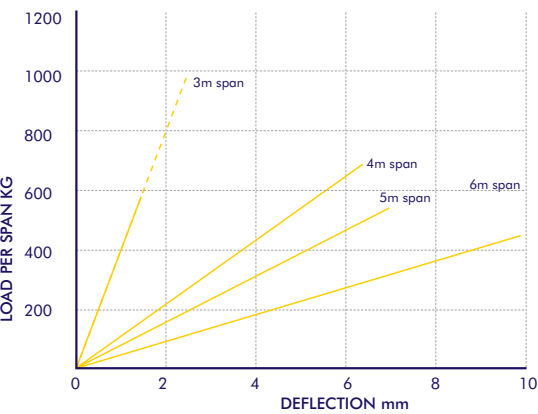
**Key**  
— Applicable for full range of standard widths.  
- - - Applicable for widths 150-600mm inc.

Speedway SW6  
Load Deflection Data - Continuous Beam



**Key**  
— Applicable for full range of standard widths.  
- - - Applicable for widths 150-750mm inc.  
- . - . Applicable for widths 150, 300 & 450mm inc.

Speedway SW5  
Load Deflection Data - Continuous Beam



**Key**  
— Applicable for full range of standard widths.  
- - - Applicable for widths 150-750mm inc.

Speedway Cable Ladder System – Standard Material Gauges						
Ladder Type	Material & Finish	Side Wall Gauge	Rung Gauge			
			150 mm	300 mm	450 mm	600 mm
Speedway SW4	HDG	1.5mm	1.5mm	2.0mm	2.0mm	2.0mm
	SS		1.5mm	2.0mm	2.0mm	2.0mm
	GX		1.5mm	2.0mm	2.0mm	2.0mm
Speedway SW5	HDG	2.0mm	1.5mm	2.0mm	2.0mm	2.0mm
	SS		1.5mm	2.0mm	2.0mm	2.0mm
	GX		1.5mm	2.0mm	2.0mm	2.0mm
Speedway SW6	HDG	2.0mm	2.0mm	2.0mm	2.0mm	2.0mm
	SS		2.0mm	2.0mm	2.0mm	2.0mm
	GX		2.0mm	2.0mm	2.0mm	2.0mm
Speedway Long Span Ladder	SS	2.5mm	2.0mm	2.0mm	2.0mm	2.0mm

HDG - Mild Steel/Hot Dip Galvanized SS - Stainless Steel GX - Silicon Rich/Deep Galvanized

# THE SUPER COUPLER HAS ARRIVED

## INTEGRAL COUPLER

Designed for Cable Ladder



Fast fit, cost saving system reducing the number of couplers required. The coupler has a formed shape to increase strength and rigidity and reduces joint hinging.



SEE PAGE 76 FOR DETAILS





## UNITRUNK CASE STUDY



# READY FOR TAKE-OFF



The variety, adaptability and efficiency of their product range are what really set Unitrunk apart; they save us time and money without compromising any of the quality or reliability that we need. ”

Gary Coleman, Site Engineer, William Coates

As the world's third largest civil aircraft manufacturer and a leader in the design and manufacture of innovative products and services, Bombardier Aerospace needed first-class cable management equipment for their new wing-facility in Belfast, Northern Ireland.

Over 18 months, Unitrunk supplied engineers, William Coates, with a huge range of products – including Standard Trunking, Speedway 4 Ladder, heavy-duty Galvanised Tray and Powder Coated Trunking – for Bombardier's new wing manufacturing and assembly facility, which will house the production of the composite wings for Bombardier's new CSeries commercial aircraft.



## PRODUCTS

- Speedway SW4 Cable Ladder
- Heavy Duty Galvanised After Tray
- Pre Galv Tray
- Powder Coated Trunking



## SECTION 6

# WIRE MESH TRAY SYSTEMS

One of the most important systems in buildings today is the power and data network. The backbone of the system will be a wide variety of cables that will require secure and economical routing via a flexible cable management system.

Unitrunk's solution is the OBO mesh cable tray system. Manufactured using some of the latest technology worldwide, the system has been tested and approved for E30 and E90 Fire Rating and offers the installer a fast, flexible and reliable range of the highest quality.

### GR-MAGIC

GR-Magic is the premier product in OBO's mesh cable tray family. Fast and simple fitting without the need for screw connectors or special tools, the system offers a highly flexible solution regardless of the complexity of the cable route.

GR-Magic allows for excellent ventilation of cables and the route can be laid quickly and simply – a decisive advantage when planning any installation.

### ELECTRICAL CONTINUITY

OBO wire mesh tray system is declared compliant with EN 61537 clause 6.3.

To pass, the impedance shall not exceed 50m ohm across the couple joint and 5 m ohm per metre along the length without a joint. This declares adequate electrical continuity to ensure equipotential bonding and connection to earth if required.

ACCREDITED TO THE FOLLOWING STANDARDS



## WIRE MESH TRAY SYSTEMS

### GR-Magic Mesh Cable Tray\* 35mm side height



Stock length 3000mm.

\*Other lengths, dimensions and finishes are available on request, including Hot Dip Galvanised and Stainless Steel (304 Grade).

#### Electro Zinc Plated

Type	Width mm	Wire Ø mm	Weight kg/m	Ref. G
GRM 35/050	50	3.9	0.65	6000 06 1
GRM 35/100	100	3.9	0.708	6000 06 2
GRM 35/150	150	3.9	0.815	6000 06 3
GRM 35/200	200	3.9	1.036	6000 06 4
GRM 35/300	300	4.8	1.900	6000 06 6

### GR-Magic Mesh Cable Tray\* 105mm side height



Stock length 3000mm.

\*Other lengths, dimensions and finishes are available on request, including Hot Dip Galvanised and Stainless Steel (304 Grade).

#### Electro Zinc Plated

Type	Width mm	Wire Ø mm	Weight kg/m	Ref. FT
GRM 105/100G	100	3.9	0.783	6002 40 2
GRM 105/150G	150	3.9	1.109	6002 40 4
GRM 105/200G	200	3.9	1.249	6002 40 6
GRM 105/300G	300	4.4	2.012	6002 40 8
GRM 105/400G	400	4.8	2.393	6002 41 0
GRM 105/500G	500	4.8	2.823	6002 41 5
GRM 105/600G	600	4.8	3.250	6002 41 7

#### PLEASE NOTE:

GR Magic is also available in a 155mm side wall on request.

### GR-Magic Mesh Cable Tray\* 55mm side height



Stock length 3000mm.

\*Other lengths and dimensions are available on request.

#### Electro Zinc Plated

Type	Width mm	Wire Ø mm	Weight kg/m	Ref. G
GRM 55/050 G	50	3.9	0.632	6001 44 1
GRM 55/100 G	100	3.9	0.745	6001 44 2
GRM 55/150 G	150	3.9	0.858	6001 44 4
GRM 55/200 G	200	3.9	1.090	6001 44 6
GRM 55/300 G	300	4.8	2.000	6001 44 8
GRM 55/400 G	400	4.8	2.438	6001 45 0
GRM 55/450 G	450	4.8	2.625	6001 45 1
GRM 55/500 G	500	4.8	2.870	6001 45 2
GRM 55/600 G	600	4.8	3.300	6001 45 4

#### Hot Dip Galvanised

Type	Width mm	Wire Ø mm	Weight kg/m	Ref. FT
GRM 55/050 FT	50	3.9	0.632	6001 41 1
GRM 55/100 FT	100	3.9	0.713	6001 41 6
GRM 55/150 FT	150	3.9	0.899	6001 41 8
GRM 55/200 FT	200	3.9	1.035	6001 42 0
GRM 55/300 FT	300	4.8	2.007	6001 42 4
GRM 55/400 FT	400	4.8	2.443	6001 42 8
GRM 55/500 FT	500	4.8	2.879	6001 43 2
GRM 55/600 FT	600	4.8	3.316	6001 43 6

#### Stainless Steel 304

Type	Width mm	Wire Ø mm	Weight kg/m	Ref. VA
GRM 55/050 VA	50	3.9	0.632	6001 07 1
GRM 55/100 VA	100	3.9	0.750	6001 07 2
GRM 55/150 VA	150	3.9	0.880	6001 07 4
GRM 55/200 VA	200	3.9	1.970	6001 07 6
GRM 55/300 VA	300	4.8	2.000	6001 07 8
GRM 55/400 VA	400	4.8	2.430	6001 08 0
GRM 55/500 VA	500	4.8	2.870	6001 08 2
GRM 55/600 VA	600	4.8	3.310	6001 08 4



## Barrier Strip



### Pre Galvanised

Type	Stock Length mm	Side Height mm	Weight kg/m	Deep Basket	Ref. FS
TSG 30	3000	28	0.441	35mm	6062 050
TSG 45	3000	45	0.490	55mm	6062 035
TSG 85	3000	85	0.983	105mm	6062 114

### Hot Dip Galvanised

Type	Stock Length mm	Side Height mm	Weight kg/m	Ref. FT
TSG 45	3000	45	0.549	6062 20 2
TSG 85	3000	85	1.010	6062 23 7

Fastening every 500mm with clamp type K11.

## Barrier Strip Stabilising Clamp



Type	Pack Qty	Weight kg/pc	Ref. FT
TSGV	50	0.030	6067 970

## Hold Down Clamp 50mm Wide Basket



Type	Pack Qty	Weight kg/pc	Ref. FT
GKB34	50	0.030	6016 674

## Fast Fix Barrier strip Retaining Klip



Type	Pack Qty	Weight kg/pc	Ref. FT
KS/GR	30	0.050	6062 282

## Hold Down Clamp to suit 100mm - 600mm wide basket



Type	Pack Qty	Weight kg/pc	Ref. FT
GKS 60	50	0.030	6015 276

## Clamp



Type	Pack Qty	Weight kg/pc	Ref. FT
K11/15	100	0.030	6017 06 1

Complete with 1 Screw type 12510/M6 x 20 (F) only for barrier strip fastening.

## Corner Connector



Type	Pack Qty	Weight kg/pc	Ref. FT
GEV 36	100	0.030	6016 72 3

Complete with 1 Screw type 12510/M6 x 12 (F) for the creation of mesh tray bends.

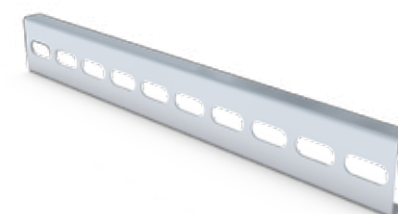
## Joint Connector



Type	Pack Qty	Weight kg/pc	Ref. FT
GSV 34	25	0.030	6016 63 4

Complete with 1 Screw type 12510/M6 x 20 (F).

## Suspension Profile\*



Type	Dimensions mm	Weight kg/m	Ref. FS
AP 45/300	45 x 10 x 0.75	0.590	6005 98 5

Type	Dimensions mm	Weight kg/m	Ref. FT
AP 45/300	45 x 10 x 0.75	0.590	6005 98 7

Stock length 3000m. For connection between ceiling angle and central hanger with central suspension.

\*Available to special order.

## Central Hanger - Suspension Profile Type



Type	Pack Qty	Weight kg/pc	Ref. FT
K 109/50	20	0.130	6342 20 5

Central hanger for mesh cable trays with mesh 50 X 100mm and suspension profile AP 45.

\*Available to special order.

## Conduit Take Off Bracket



Type	Pack Qty	Weight kg/pc	Ref. FS
SH KAB 20	20	0.155	6015 42 5
SH KAB 25	20	0.155	6015 43 3

## Central Hangers



Type	Width mm	Pack Qty	Weight kg/pc	Ref. FS
GMS 170	170	1	0.200	6015 40 0
GMS 270	270	1	0.320	6015 40 2
GMS 370	370	1	0.430	6015 40 4
GMS 470	470	1	0.550	6015 40 6
GMS 570	570	1	0.670	6015 40 8

Central hanger including clamp for mesh cable tray suspensions.

## Side Holder



Type	Pack Qty	Weight kg/pc	Ref. FS
SH M 10	each	0.060	6015 33 6

For suspension of mesh trays from the side wires using threaded rod.

## Central Hanger - Threaded Rod Type



### Pre Galvanised

Type	For Threaded	Pack Qty	Weight kg/pc	Ref. FS
GMA/M6	M6	25	0.083	6015 22 0
GMA/M8	M8	25	0.083	6015 23 9
GMA/M10	M10	25	0.083	6015 24 7



## 90° Mesh Tray Bend

55mm side height

### Electro Zinc Plated

Type	Width mm	Wire Ø mm	Weight kg/m	Ref. G
GRB 90/55/100	100	3.9	0.070	6001 92 0
GRB 90/55/150	150	3.9	0.144	6001 99 8
GRB 90/55/200	200	3.9	0.184	6001 93 9
GRB 90/55/300	300	4.4	0.417	6001 94 7
GRB 90/55/400	400	4.8	0.655	6001 95 5
GRB 90/55/500	500	4.8	0.950	6001 96 3
GRB 90/55/600	600	4.8	1.140	6001 97 1

1 item per pack.  
Other dimensions and finishes are available on request.



## TP Bracket



Type	Length mm	Pack Qty	Weight kg/m	Ref. FS
TPSAG/145	145	50	0.320	6366 01 5
TPSAG/195	195	20	0.400	6366 02 3
TPSAG/245	245	10	0.470	6366 03 1
TPSAG/345	345	10	0.610	6366 06 6

TP Bracket with clamping lugs. Important: If fastening directly to a wall always use spacer type DS4 for stability.

## TP Bracket



Type	Length mm	Pack Qty	Weight kg/m	Ref. FS
TPDG 145	145	6	0.510	6365 90 6
TPDG 195	195	6	0.590	6365 91 4
TPDG 245	245	5	0.650	6365 92 2
TPDG 345	345	5	0.780	6365 94 9

Wall and ceiling bracket for universal use. Important: If fastening directly to a wall always use spacer type DS4 for stability.

## TP Support For Ceiling Mounting



Type	Length mm	Pack Qty	Weight kg/m	Ref. FS
TPSA/145	145	50	0.320	6364 10 1
TPSA/195	195	20	0.430	6364 15 2
TPSA/245	245	20	0.450	6364 20 9
TPSA/345	345	20	0.590	6364 30 6

For fixing to horizontal concrete ceilings and walls.

Type	Length mm	Pack Qty	Weight kg/m	Ref. FS
TPS/445	445	20	0.720	6364 32 2
TPS/545	545	20	0.850	6364 34 9
TPS/645	645	20	0.990	6364 36 6

Important – if used as a hanger, length of supported arm off hanger should be a maximum length of 345mm.

## Spacer\*



Type	Pack Qty	Weight kg/pc	Ref. FS
DS 4	20	0.037	6416 55 1

For use with TP wall and ceiling Bracket.

\*Available to special order.

## Stand Off Bracket FastFix (Screwless Fastening)



### Pre Galvanised

Type	Dim. mm	Pack Qty	Weight kg/100	Ref. FS
DBL G 20/100	100	20	0.138	6015 65 4
DBL G 20/150	150	20	0.186	6015 65 8
DBL G 20/200	200	20	0.209	6015 66 2
DBL G 20/300	300	20	0.373	6015 67 0
DBL G 20/400	400	20	0.467	6015 68 9

For floor-mounted mesh tray and cable tray stands.  
Can also be used as wall fastening.

## Bracket For Wall and Support Mounting



### Hot Dip Galvanised

Type	Length mm	Pack Qty	Weight kg/pc	Ref. FT
AW G15/11	110	30	0.140	6420 60 6
AW G15/16	160	30	0.200	6420 60 7
AW G15/21	210	30	0.260	6420 60 9
AW G15/31	310	30	0.350	6420 61 0
AW G15/41	410	30	0.560	6420 61 2
AW G15/51	510	20	0.690	6420 61 4
AW G15/61	610	20	0.840	6420 61 5

\*Available to special order.

## Stand Off Bracket



### Pre Galvanised

Type	For Threaded	Pack Qty	Weight kg/pc	Ref. FS
DBL 50/100	100	20	0.158	6015 50 6
DBL 50/150	150	20	0.193	6015 51 4
DBL 50/200	200	20	0.225	6015 52 2
DBL 50/300	300	20	0.380	6015 53 0
DBL 50/400	400	20	0.474	6015 54 9

### Hot Dip Galvanised

Type	For Threaded	Pack Qty	Weight kg/pc	Ref. FT
DBL 50/100	100	20	0.160	6015 56 5
DBL 50/150	150	20	0.193	6015 57 3
DBL 50/200	200	20	0.230	6015 58 1
DBL 50/300	300	20	0.383	6015 60 3
DBL 50/400	400	20	0.477	6015 61 1

For floor-mounted mesh tray and cable tray stands.  
Can also be used as wall fastening.

## U Support\*



### Hot Dip Galvanised

Type	Length mm	Pack Qty	Weight kg/pc	Ref. FT
US5 K/20	200	1	1.00	6341 52 7
US5 K/30	300	1	1.25	6341 53 5
US5 K/40	400	1	1.50	6341 54 3
US5 K/50	500	1	1.75	6341 55 1
US5 K/60	600	1	2.00	6341 57 8
US5 K/70	700	1	2.25	6341 58 6
US5 K/80	800	1	2.55	6341 59 4
US5 K/90	900	1	2.80	6341 60 8
US5 K/100	1000	1	3.00	6341 61 6
US5 K/110	1100	1	3.30	6341 62 4
US5 K/120	1200	1	3.60	6341 63 2

With welded-on head plate.

\*Available to special order.



## LHS Support\*



### Pre Galvanised

Type	Length mm	Pack Qty	Weight kg/pc	Ref. FS
US 3/30	300	4	0.670	6342304
US 3/40	400	4	0.800	6342306
US 3/50	500	4	0.930	6342308
US 3/60	600	4	1.070	6342310
US 3/70	700	4	1.200	6342312
US 3/80	800	4	1.330	6342314
US 3/100	1000	4	1.600	6342318
US 3/3	-	-	-	6342374

### Hot Dip Galvanised

Type	Length mm	Pack Qty	Weight kg/pc	Ref. FT
US 3 K/20	200	4	0.563	6342351
US 3 K/30	300	4	0.670	6342353
US 3 K/40	400	4	0.800	6342355
US 3 K/50	500	4	0.930	6342357
US 3 K/60	600	4	1.070	6342359
US 3 K/70	700	4	1.200	6342362
US 3 K/80	800	4	1.330	6342364
US 3 K/90	900	4	1.460	6342366
US 3 K/100	1000	4	1.600	6342368
US 3 K/110	1100	4	1.730	6342370
US 3 K/120	1200	4	1.860	6342372

With welded-on head plate.  
To be used with LKA 06/... and LKAG 06/...

\*Available to special order.

## Spacer\*



### Hot Dip Galvanised

Type	Pack Qty	Weight kg/pc	Ref. FT
DSK 45	25	0.130	6416 50 0

Used as insert in US 5 supports for fixing brackets.  
Type AW 15/... Include in order for 400-600mm brackets.

\*Available to special order.

## LKAG Bracket\*



### Pre Galvanised

Type	Length mm	Pack Qty	Weight kg/pc	Ref. FS
MWAG 12/11	100	4	0.140	6424600
LKAG 06/15	150	4	0.185	6044 42 2
MWAG 12/21	200	4	0.230	6424608
MWAG 12/31	300	4	0.390	6424616
MWAG 12/41	400	4	0.630	6424624
LKAG 06/50	500	4	0.860	6044 43 6
LKAG 06/60	600	4	1.030	6044 44 0

### Hot Dip Galvanised

Type	Length mm	Pack Qty	Weight kg/pc	Ref. FT
AW G 15/11	100	4	0.150	6420606
AW G 15/16	150	4	0.193	6420607
AW G 15/21	200	4	0.250	6420608
AW G 15/31	300	4	0.420	6420610
AW G 15/41	400	4	0.670	6420612
AW G 15/51	500	4	0.860	6420614
AW G 15/61	600	4	1.030	6420616

Only for mounting on US 3 and LHS 5 supports.  
Scope of supply: including bolt and nut.

\*Available to special order.

## TP Profile



Type	Length mm	Pack Qty	Weight kg/pc	Ref. FS
TPSG/150	150	1	0.204	63 66 53 3
TPSG/200	200	1	0.266	63 66 53 9
TPSG/300	300	1	0.399	63 66 54 2
TPSG/400	400	1	0.532	63 66 54 5
TPSG/500	500	1	0.665	63 66 54 8
TPSG/600	600	1	0.789	63 66 55 1
TPSG/700	700	1	0.931	63 66 55 4
TPSG/3000	3000	1	4.000	63 66 09 0

TP Profile with clamping lug for screwless mounting of mesh cable trays.

## Mounting Plate



Type	Pack Qty	Weight kg/pc	Ref. FT
MPG 65	30	0.092	6006 48 6
MPG 90	30	0.168	6006 48 7

Accessories can be fastened to the plate, in addition the plate can be used for wall mounting.

## LKA Clamping Bracket\*



Type	Width mm	Wire Ø mm	Weight kg/m	Ref. FT
LKA 06/10	100	4	0.160	6044 35 2
LKA 06/20	200	4	0.270	6044 36 0
LKA 06/30	300	4	0.430	6044 37 9
LKA 06/40	400	4	0.570	6044 38 7

Only for mounting on LHS 5 Supports.  
Scope of supply: including bolt and nut.

\*Available to special order.

## Wall Mounting



Type	Pack Qty	Weight kg/pc	Ref. FS
K 12/1818	25	0.018	6437 10 9

To fix mesh cable trays GR 55 and GRM 55 directly to the wall, up to max. 200mm tray width.

## 45° Mounting Bracket\*



Type	Pack Qty	Weight kg/pc	Ref. FT
MW45/SL 10	50	0.160	6017 32 0

Includes Connector. To produce 45° bend for mesh cable tray type CGR 50/...

\*Available to special order.

## 90° Mounting Bracket\*



Type	Pack Qty	Weight kg/pc	Ref. FT
MW90/SL 17	50	0.200	6017 34 7
MW90/SL 23	25	0.280	6017 35 5

Includes connector to produce 45° bend for mesh cable tray type CGR 50/...

\*Available to special order.

## Slotted Steel Strap\*



Type	Pack Qty	Weight kg/pc	Ref. F
5050/20 x 3	20 x 3 x 270	0.200	1466 50 0
5050/20 x 3	20 x 3 x 1000	0.280	1466 50 4

For use in the creation of bends and tees.

\*Available to special order.



### Plastic ID tags



Type	Pack Qty	Ref.
Orange	??	PITO
Yellow	??	PITY
Blue	??	PITB
Green	??	PITG

To allow contractor to colour code and index cable installations.

### Bolt Cutter



Type	Width mm	Max Wire Ø mm	Weight kg/pc	Ref.
GR-BS	450	7	1.594	6017 70 0

To cut wires directly next to cross wires.

### Basket to Channel clip

Ref. EC170011

Sold in 100's



### Drop Out Plate



Type	Pack Qty	Weight kg/pc	Ref. FT
KAB GR FS	1	0.168	6220 139

Includes Connector. To produce 45° bend for mesh cable tray type GRM55/...

### Truss-head Screws\*



Type	Dim. mm	Pack Qty	Weight kg/100	Ref. F
FRS 10/25	M10 x 25	50	4.200	6407 53 6

Complete with hexagon nut and washer and small head for TPSAG bracket series.

Order separately for mounting bracket on support.

\*Available to special order.

# BARRIER STRIP DIVIDER SYSTEM



Designed for Wire Mesh Tray Systems

### Barrier Strip Clamp

Ref.TSGV



### Fast Fix Retaining Klip

Ref.KS/GR



### Barrier Strip

Ref.TSG

## FAST & SIMPLE CABLES SEGREGATION

WITH OUR UNIQUE BASKET DIVIDER SYSTEM

Simply snap on a KS/GR to the Wire Mesh Tray and clip in the TSGV Divider. To stabilise the joint and eliminate any potential snagging issues push the TAGV Stabilising Clamp down onto the TSG Barrier Strip Dividers.



## UNITRUNK CASE STUDY

# A TOWERING SUCCESS



Innovation is key to this project and with Unitrunk's expertise we worked together to ensure any obstacles were overcome.

Morris Cairns, Director,  
Blackbourne Integrated M & E

Costing £85 million and measuring 85 metres in height, the Obel Tower super structure when completed is set to dominate the Belfast skyline and will overtake the current tallest skyscraper in Ireland. The obelisk shaped structure will contain 28 floors of 282 residential apartments with residents set to enjoy stunning views across Belfast.

The project was selected by Constructing Excellence in NI as a demonstration of Design Quality using Modern Methods of Construction. With many innovations being demonstrated, Unitrunk worked closely with the contractor to develop cable trunking and tray that assisted in running cabling through confined spaces. Unitrunk are proud to be part of local history in providing a complete cable management solution for what is set to be one of Belfast's most iconic developments.



## PRODUCTS

- OBO Magic Basket
- Speedway SW4 Cable Ladder
- HR and MR Cable Tray
- Lighting Trunking
- Standard Trunking
- Multi-Compartment Trunking



## SECTION 7

# CHANNEL & SUPPORT SYSTEMS

Unitrunk Intelok Channel is a strong, easy to erect support system, ideal for supporting cable trays, cable ladders, pipes and ducting and is adaptable for use in many other applications. The flanges on Intelok channel are serrated to give improved slip resistance over that of conventional 'strut' systems, particularly when Intelok channel nuts are used.

Intelok channels are made in deep, shallow and multiple combination profiles. Standard lengths are either 3 or 6 metres, with other lengths available to order. When used with our extensive range of brackets, an infinite variety of frameworks and structures can be created. Intelok channels conform to BS6946.

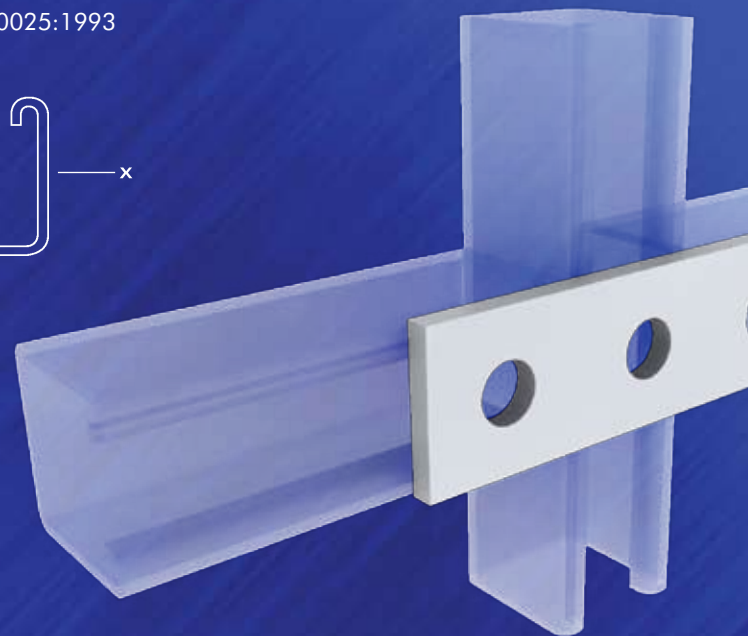
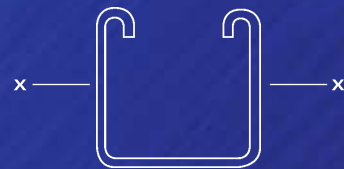
Unitrunk Intelok Channels are supplied to the following finishes:

- PG** Pre-galvanised material to BS EN 10346:
- GA** Hot dip galvanised after manufacture to BS EN 1461:2009
- SS** Stainless steel grade 1.4404 (316 marine) to BS EN 10088-2:2005
- PC** Powder Coated over structural steel grade S275 to BS EN 10025:1993

The safe loading figures are based on

- a) The x-x axis
- b) A simply supported beam
- c) Pre-galvanised steel - yield 250N/mm<sup>2</sup>
- d) A safety factor of 1.6 against yield

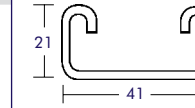
ACCREDITED TO THE FOLLOWING STANDARDS



## CHANNEL & SUPPORT SYSTEMS

### Shallow Channel

Ref.	Length	Finish
UC4121/3	3m	Galvanized to BS EN10346
UC4121/6	6m	Galvanized to BS EN10346
GAUC4121/3	3m	Hot Dipped to BS EN ISO 1461
GAUC4121/6	6m	Hot Dipped to BS EN ISO 1461

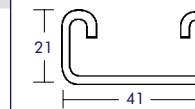


Span m	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.70	3.90	6.90	15.60	27.70	43.30	62.30
Safe UDL **kg	259	172	128	84	61	47	38

\* Including weight of channel.  
\*\* Excluding weight of channel.

### Slotted Shallow Channel

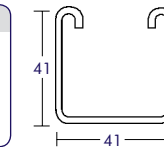
Ref.	Length	Finish
UC4121S/3	3m	Galvanized to BS EN10346
UC4121S/6	6m	Galvanized to BS EN10346
GAUC4121S/3	3m	Hot Dipped to BS EN ISO 1461
GAUC4121S/6	6m	Hot Dipped to BS EN ISO 1461



Span m	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.90	4.30	7.70	17.30	30.70	48.00	69.10
Safe UDL **kg	238	158	118	77	56	44	35

### Deep Channel

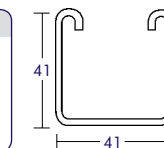
Ref.	Length	Finish
UC4141/3	3m	Galvanized to BS EN10346
UC4141/6	6m	Galvanized to BS EN10346
GAUC4141/3	3m	Hot Dipped to BS EN ISO 1461
GAUC4141/6	6m	Hot Dipped to BS EN ISO 1461



Span m	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	0.90	2.10	3.70	8.20	14.60	22.80	32.90
Safe UDL **kg	837	557	416	275	204	161	132

### Slotted Deep Channel

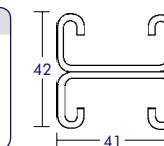
Ref.	Length	Finish
UC4141S/3	3m	Galvanized to BS EN10346
UC4141S/6	6m	Galvanized to BS EN10346
GAUC4141S/3	3m	Hot Dipped to BS EN ISO 1461
GAUC4141S/6	6m	Hot Dipped to BS EN ISO 1461



Span m	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.00	2.20	4.00	8.90	15.90	24.80	35.70
Safe UDL **kg	776	516	386	255	189	149	122

### Back To Back Shallow Channel

Ref.	Length	Finish
UC4142/3	3m	Galvanized to BS EN10346
UC4142/6	6m	Galvanized to BS EN10346
GAUC4142/3	3m	Hot Dipped to BS EN ISO 1461
GAUC4142/6	6m	Hot Dipped to BS EN ISO 1461



Span m	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.00	2.30	4.10	9.20	16.40	25.60	36.80
Safe UDL **kg	736	489	365	240	177	138	112

(Solid Channel in stock, slotted on request)

Standard Trunking

Multi Compartment Trunking

Lighting Trunking

Uniklip Cable Tray

Speedway Cable Ladder

Wire Mesh Tray

Channel & Support

Floor Trunking

Bench Outlet & Perimeter Trunking

Steel Conduit (Class 4)

Innovative Design Solutions

Accessories & Supports

Index

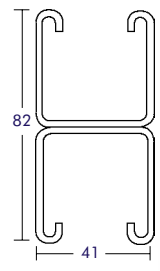


Back To Back Deep Channel

Ref.	Length	Finish
UC4182/3	3m	Galvanized to BS EN10346
UC4182/6	6m	Galvanized to BS EN10346
UC4185/3	3m	Galvanized to BS EN10346 (Slotted)
UC4185/6	6m	Galvanized to BS EN10346 (Slotted)
GAUC4182/3	3m	Hot Dipped to BS EN ISO 1461
GAUC4182/6	6m	Hot Dipped to BS EN ISO 1461

Span m	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	0.50	1.10	2.00	4.60	8.20	12.80	18.40
Safe UDL **kg	2372	1579	1186	784	583	462	380

(Solid Channel in stock, slotted on request)



Square Plate

Ref.	Size
325AJ03	6mm
325AJ05	8mm
325AJ07	10mm
325AJ10	12mm



Two Hole Plate

Ref.325AD11



Three Hole Plate

Ref.325AC11



Four Hole Plate

Ref.325AC13



Five Hole Plate

Ref.325AY10



L Bracket

Ref.325AG10



Right Angle Bracket

Ref.325AS10



T Bracket

Ref.325AF13



Right Angle Bracket

Ref.325AC09



Right Angle Bracket

Ref.325AD10



Deep 'U' Bracket

Ref.325AJ12



Right Angle Bracket

Ref.325AC10



Right Angle Bracket

Ref.325AE10



Right Angle Bracket

Ref.325AE11



Right Angle Shelf Bracket

Ref.325AE12



Right Angle Bracket

Ref.325AQ10



Right Angle Bracket

Ref.325AQ11



Right Angle Bracket

Ref.325AQ12



Shallow Z Bracket

Ref.325AD28



Deep Z Bracket

Ref.325AC12



Multiple Z Bracket

Ref.325AU10



Back to Back Bracket

Ref.325AT11



'W' Shaped Deep Bracket

Ref.325AU15



Double Channel Bracket

Ref.325AJ11



Shallow 'U' Bracket

Ref.325AJ13



Multi-Channel Bracket

Ref.325AJ14



Single Channel Base Plate

Ref.325AR10





**Single Channel  
Base Plate**  
Ref.325AN10



**Double Channel  
Base Plate**  
Ref.325AT10



**Two Leg Wing Fitting**  
Ref.325AV10



**Three Leg Wing Fitting**  
Ref.325AV09



**Wing Fitting with Gussets**  
Ref.325AW01



**3 Way  
Corner Bracket**  
Ref.325AV02



**Double Channel  
Wing Fitting**  
Ref.325AW02



**Channel Support  
Bracket L/H**  
Ref.325AG16



**Channel Support  
Bracket R/H**  
Ref.325AG15



**Channel Support Bracket**  
Ref.325AF10



**L/H Channel  
Support Bracket**  
Ref.325AF11



**R/H Channel  
Support Bracket**  
Ref.325AF12



**Obtuse Angle  
Bracket 45°**  
Ref.325AD17



Other angles to Order

**Acute Angle  
Bracket 45°**  
Ref.325AH11



**45° Angle Bracket**  
Ref.325AF14



**Shallow External  
Connector**  
Ref.325AK11



**Shallow Connector**  
Ref.336AB07  
M10 setscrews  
supplied separately.



**Deep  
Connector**  
Ref.336AB08



**Deep External Connector**  
Ref.325AK10



**Cross Support  
Bracket**  
Ref.325AB10



**Beam Clamp**  
Ref.325AP11



**Beam Clamp**  
Ref.325AX10



**Beam Clamp**  
Ref.325AX11



**'Z' Purlin Clip  
(M10 Hole)**  
Ref.389AH10



**Beam Clamp  
(Shallow Channel)**  
Ref.325AL11  
Including cone  
point set screw.  
For Flange thickness  
up to 15mm.



**Beam Clamp  
(Deep Channel)**  
Ref.325AL10  
Including cone  
point set screw.



**Beam Clamp  
(Deep Channel)**  
Ref.325AP10  
Including cone  
point set screw.  
For Flange thickness  
up to 17mm.



**Beam Clamp  
(Back to Back Deep Channel)**  
Ref.325AM12  
Supplied singly  
with nuts, bolts  
and washers.



**Heavy Duty Beam Clamp  
(Back to Back Deep Channel)**  
Ref. 325AM13\*  
Ref. 325AM14\*\*  
\*Up to 25mm flange range.  
\*\*25-40mm flange range.



**Beam Clamp  
(Deep Channel)**  
Ref.325AM10  
25mm flange range.  
Also suitable for shallow  
channel up to 25mm.







Cantilever Arm

Ref.	Product	Arm Length
340AH10	2 Hole	150mm
340AH11	2 Hole	300mm
340AH12	2 Hole	450mm
340AH13	2 Hole	600mm
340AH14	2 Hole	750mm
340AH15	2 Hole	900mm



Long Spring Channel Nuts

Ref.	Thread Size
UCM6/L	M6
UCM8/L	M8
UCM10/L	M10
UCM12/L	M12



Sold in 100's

Short Spring Channel Nuts

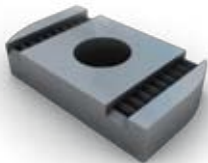
Ref.	Thread Size
UCM6/S	M6
UCM8/S	M8
UCM10/S	M10
UCM12/S	M12



Sold in 100's

Channel Nuts Less Spring

Ref.	Thread Size
UCM6/N	M6
UCM8/N	M8
UCM10/N	M10
UCM12/N	M12



Sold in 100's

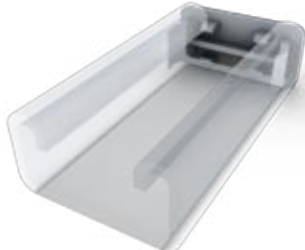
Cone Pointed Bolts

Ref.	Thread Size
UCM10/CPB	M10x40



End Cap (Shallow)

Ref.	Finish
325AA11	Black PVC
325AA13	White PVC



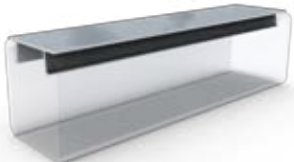
End Cap (Deep)

Ref.	Finish
325AA10	Black PVC
325AA12	White PVC



Cover Strip

Ref.	Length	Finish
339AA10	3m long	White PVC (Available in black to special order)
339AB10	3m long	Pre-Galvanised



Basket to Channel clip

Ref. EC170011

Sold in 100's



DON'T FORGET  
THE NUTS &  
BOLTS OF IT...

REMEMBER TO CHECK  
SECTION 12

For all your Accessories  
& Supports needs


SEE PAGE 136





## UNITRUNK CASE STUDY

MODERN  
SCIENCE

The scale of this project meant that a close working relationship was paramount to its success with Unitrunk meeting our every need. 

Mercury Engineering

Peterborough Edith Cavell Hospital is part of the £335 million Greater Peterborough Health Investment Plan. The high-tech hospital includes 612 inpatient beds, emergency care centre, diagnostics unit, cancer unit, specialist rehabilitation unit and renal dialysis.

Unitrunk developed a close working relationship with the contractor meeting their every requirement to supply this large scale cable management contract with a wide variety of products. Due to the complex nature of this project, Unitrunk supplied bespoke size floor trunking to suit the customer's exact requirements.



## PRODUCTS

- Cable Tray
- Speedway SW4 Cable Ladder
- Support Channel & Bracketry
- Standard Trunking
- Bespoke Sized Trunking



## SECTION 8

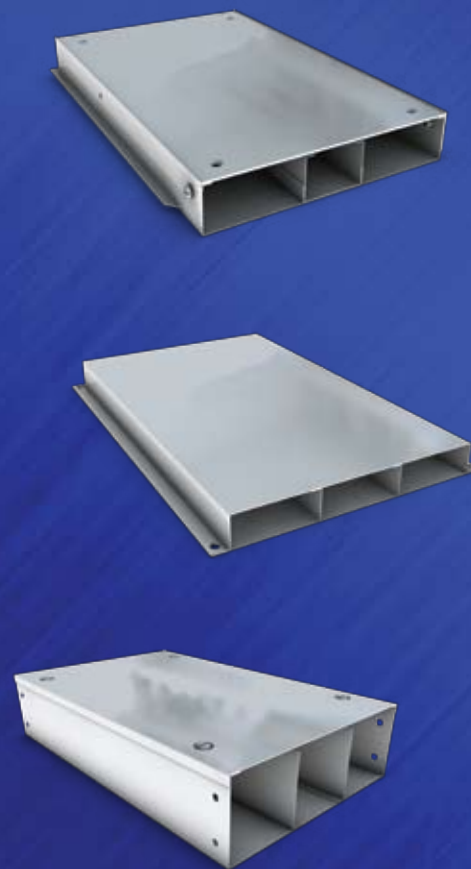
# FLOOR TRUNKING SYSTEMS

Unitrunk's floor trunking systems have been designed to cater for a wide range of applications and cable management. The range includes the following systems:

**EASY-WAY FLUSH FLOOR TRUNKING SYSTEMS:** Designed to offer versatility within the trunking layout giving the end user final option as to the position of the service boxes. The Easy-Way system also permits the relocation or addition of the service outlets after completion of the installation.

**UNDER FLOOR (IN SCREED) TRUNKING SYSTEMS:** Completely buried in-screed, underfloor trunking is used for applications that require access through inspection boxes or service outlets for discrete cable management.

**CAVITY FLOOR TRUNKING SYSTEMS:** Simple and easy to install, offering efficient cable management with excellent flexibility and providing ease of access to telephone, data and power outlets.



ACCREDITED TO THE FOLLOWING STANDARDS



## EASY-WAY FLUSH FLOOR TRUNKING SYSTEMS

UNITRUNK EASY-WAY FLUSH FLOOR TRUNKING is designed to offer versatility within the trunking layout giving the end user the final option as to the position of the service boxes. The Easy-Way system also permits the relocation or addition of service outlets after completion of the installation.

### IMPORTANT - THE FOLLOWING INSTALLATION INSTRUCTIONS SHOULD BE OBSERVED:

The trunking should be laid on a supporting grout approved by the architect.

**GALVANISED LIDS SHOULD BE IN POSITION WHEN THE SCREED IS POURED OTHERWISE PRESSURE WILL DISTORT THE SIDEWALLS OF THE TRUNKING.** After final levelling, and before screw fixing, the bedding should be fully packed under the trunking to eliminate any voids which could result in distortion of the trunking lids.

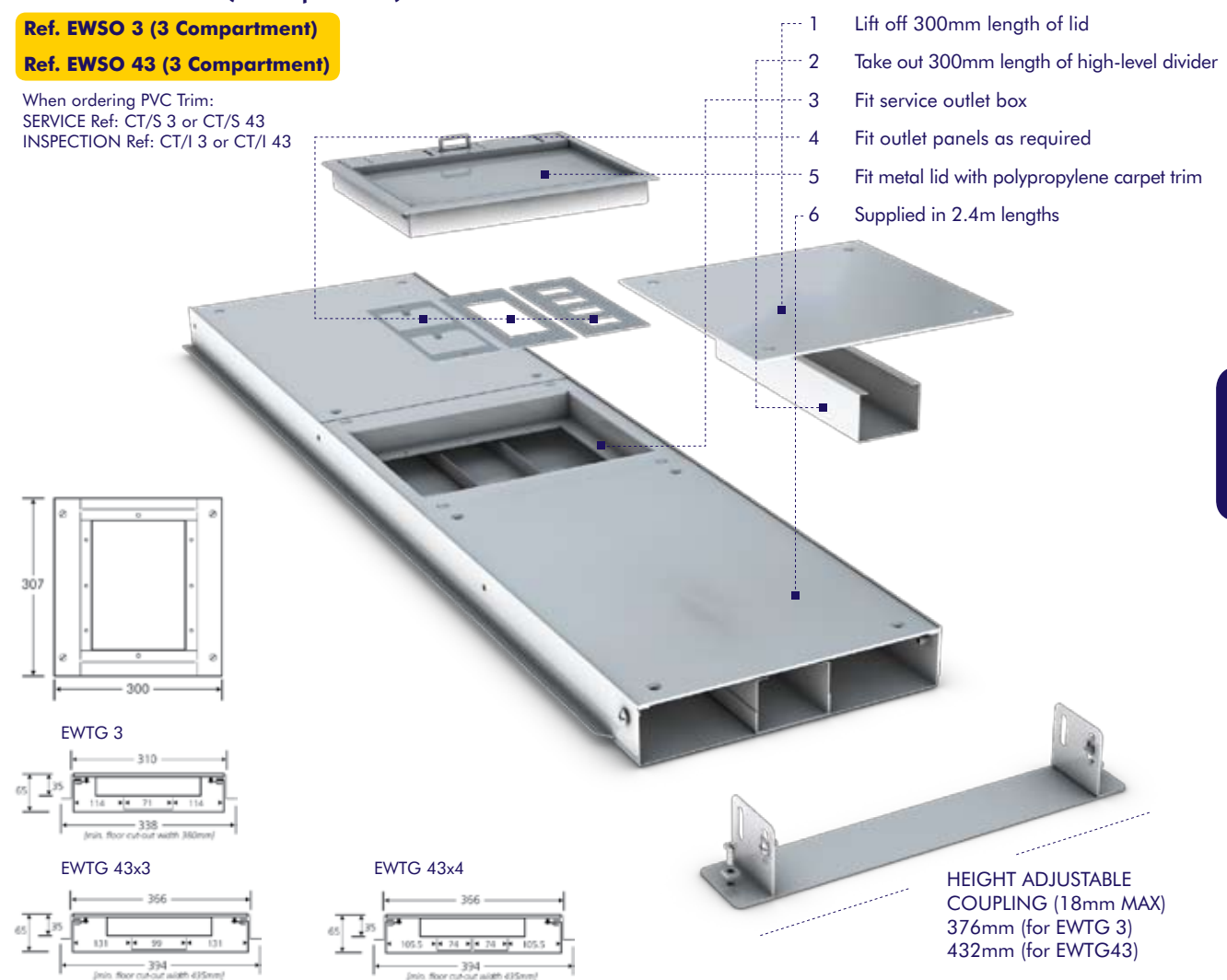
**WHEN OTHER METHODS** of providing service outlets are used, eg bench outlet boxes or flush socket outlets, other sizes of trunking may be used to a minimum depth of 25mm. Available to special order.

### Service Outlet (3 Compartment)

Ref. EWSO 3 (3 Compartment)

Ref. EWSO 43 (3 Compartment)

When ordering PVC Trim:  
SERVICE Ref: CT/S 3 or CT/S 43  
INSPECTION Ref: CT/I 3 or CT/I 43



HEIGHT ADJUSTABLE  
COUPLING (18mm MAX)  
376mm (for EWTG 3)  
432mm (for EWTG43)



### Universal Fitting Tee/Bend/Intersection

**Ref. EWUF 3**

(3 Compartment) 393mm sq x 65mm sq

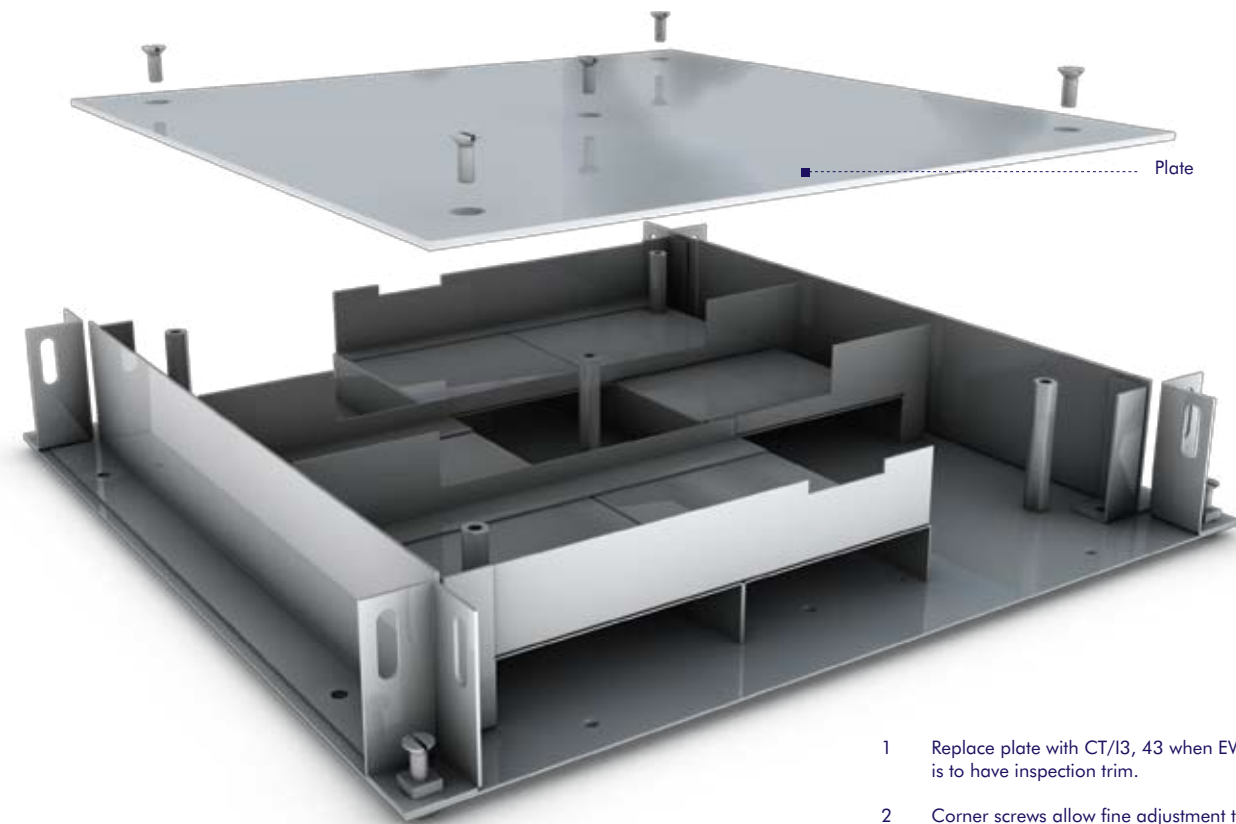
**Ref. EWUF 43x3**

(3 Compartment) 449mm sq x 65mm sq

**Ref. EWUF 43x4**

(4 Compartment) 449mm sq x 65mm sq

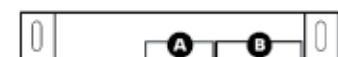
Note: Not to be used as outlet box when used as tee/bend or intersection.



- 1 Replace plate with CT/I3, 43 when EWUF is to have inspection trim.
- 2 Corner screws allow fine adjustment to compensate for irregularities in screed levels.

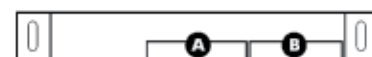
#### EWUF 3 (3 compartment)

Underpasses: **A** 75 x 25mm  
**B** 93 x 25mm  
Overall width: 393mm sq. x 65



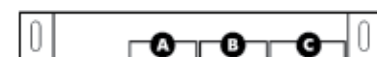
#### EWUF 43 (3 compartment)

Underpasses: **A** 98 x 25mm  
**B** 109 x 25mm  
Overall width: 449mm sq. x 65



#### EWUF 43 (4 compartment)

Underpasses: **A** 75.5 x 25mm  
**B** 75.5 x 25mm  
**C** 82 x 25mm  
Overall width: 449mm sq. x 65



### Inspection Trim (7mm recess) for use with broadloom carpet

**Ref. CT/I 3**

**Ref. CT/I 43**

Non standard trims to suit tiles are available on request. For both service and inspection trims, other finishes including Stainless Steel, Brass etc are available on request.



### Riser Bend

**Ref. EWRB 3**

(3 Compartment)

**Ref. EWRB 43**

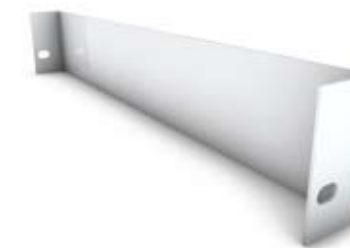
(4 Compartment)



### Blank End

**Ref. EWBE 3**

**Ref. EWBE 43**



### Service Outlet Panels (75mm wide) for EWSO3 & EWSO 43x4 Comp.

**Ref. EW755**



Panel to accept 2xLJ2 single telephone outlets (UK only).

**Ref. EW756**



Blank panel.

**Ref. EW759**



Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.

**Ref. EW763**



Panel to accept 1 twin switched MK2532 WHI panel socket 13A side wired.

**Ref. EW764**



Panel to accept 1 twin switched panel socket 13A rear wired for use in cavity floor box only ref. Volex MC1500.

**Ref. EW766**



Wave Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.

**Ref. MC1500**



For use with EW764 & EW114

**Ref. MK2532**



For use with EW763 & EW113



Unitrunk Cavity Floor Trunking is manufactured in a variety of 'standard' formats as indicated in this catalogue but is available as a flexible solution designed to meet the potentially complex cabling and flooring requirements of today's workplace.

The system can be designed and manufactured to suit a wide range of Power, Data and Communications cabling systems. Additionally, the Cavity Floor Outlet Box can be supplied with lids to accommodate a wide variety of flooring finishes from standard carpet tiles through to marble, specialised ceramics and architecturally designed solid wood flooring systems.

## SYSTEM ACCESSORIES & SERVICE OUTLETS

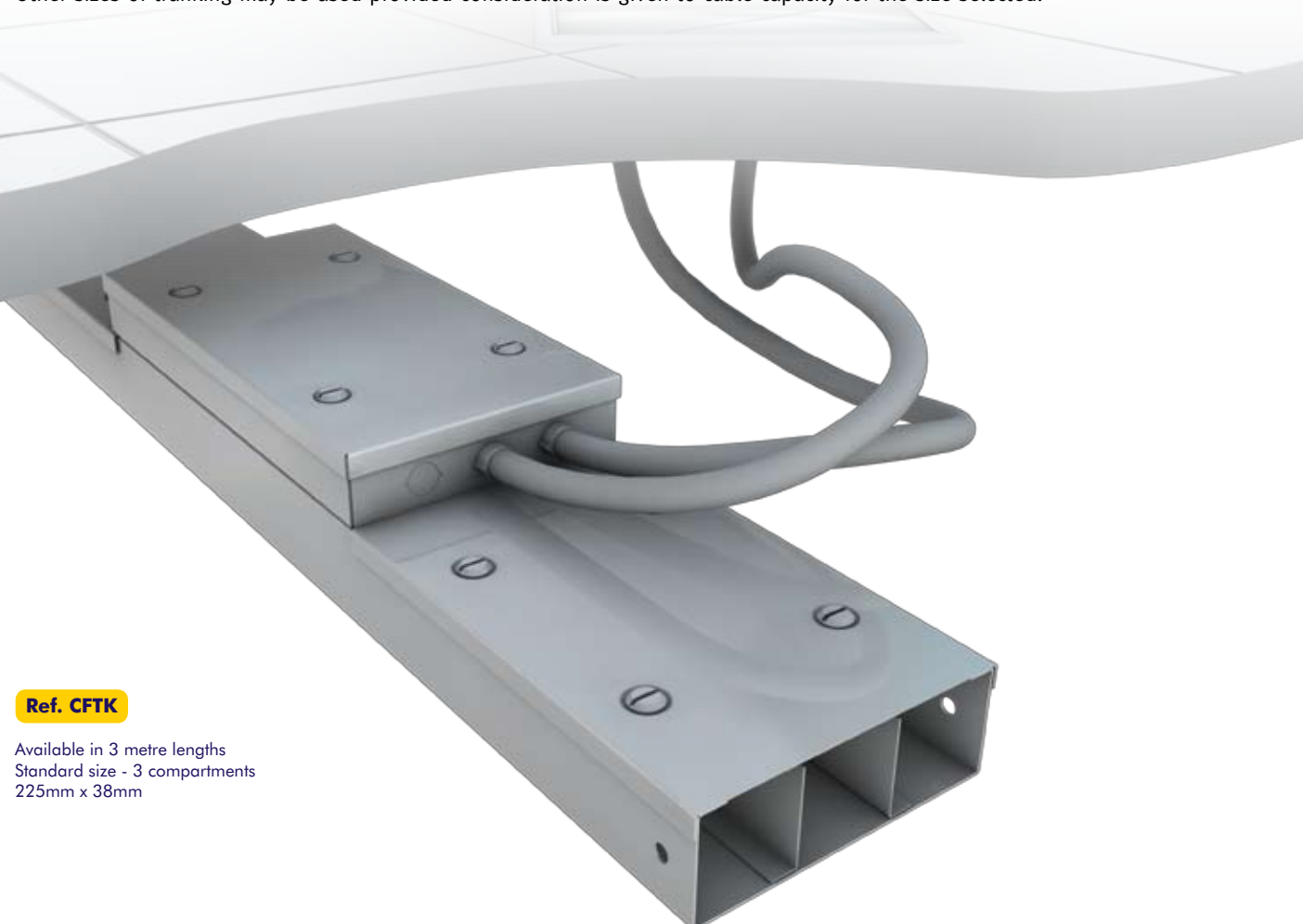
To meet the demands of a rapidly growing market, Unitrunk have produced a widely variable package which can be manufactured to fulfil the needs of the most intricate office technology and floor plans.

Our cavity floor trunking is simple and easy to install, offering efficient cable management with excellent flexibility and providing ease of access to telephone, data and power outlets.

### CAVITY FLOOR TRUNKING Ref. C.F.T.K.

Manufactured in 3 metre lengths, each length comes complete with lid, connectors, screws and nuts. Lids are held in position by a slotted stud, the stud indicates the position of the locking bar. Standard size 225 x 38 (mm) x 3 compartment.

Other sizes of trunking may be used provided consideration is given to cable capacity for the size selected.



#### Ref. CFTK

Available in 3 metre lengths  
Standard size - 3 compartments  
225mm x 38mm

**THE UNITRUNK 43 SERIES** cavity floor service box is manufactured for use with a wide variety of service outlet panels.

**THE BASE BOX** is manufactured from galvanised steel and available in 3 or 4 compartments (same external dimension). Each compartment has 20mm and 25mm knockouts in each long side to accept flexible conduits. These entries can be replaced with rubber grommets to allow cable access. Dividing fillets are provided to separate services. The base box comes complete with a wide range of interchangeable accessory panels that can be supplied with or without respective accessories. The base box is suitable for mounting in a 335mm x 220mm hole cut into any access floor panel with two fixing holes in each long side or side fixing plates on short sides of box can be screw fixed to bottom of floor tile.

**RECESSED LID/TRIM ASSEMBLY** The hinged recessed lid is manufactured from 2.5mm galvanised steel, and finished grey epoxy coated to match the polypropylene carpet trim. The lid is fitted with a polypropylene insert which houses cable outlets and a lifting handle. The lid pivots to an angle of 80°. The carpet trim is manufactured from polypropylene and finished grey in colour and supported with a galvanised steel frame. The recessed lid assembly is fixed to the base box by two 5mm screws which are located at each side of the frame. All parts of the lid assembly are replaceable.

### TECHNICAL INFORMATION

Floor finish recess in lid: 7mm  
Assembled box depth: 75.5mm  
Space under outlet panels: 40mm

Variations of Cavity Floor Box Depth can be supplied to order.

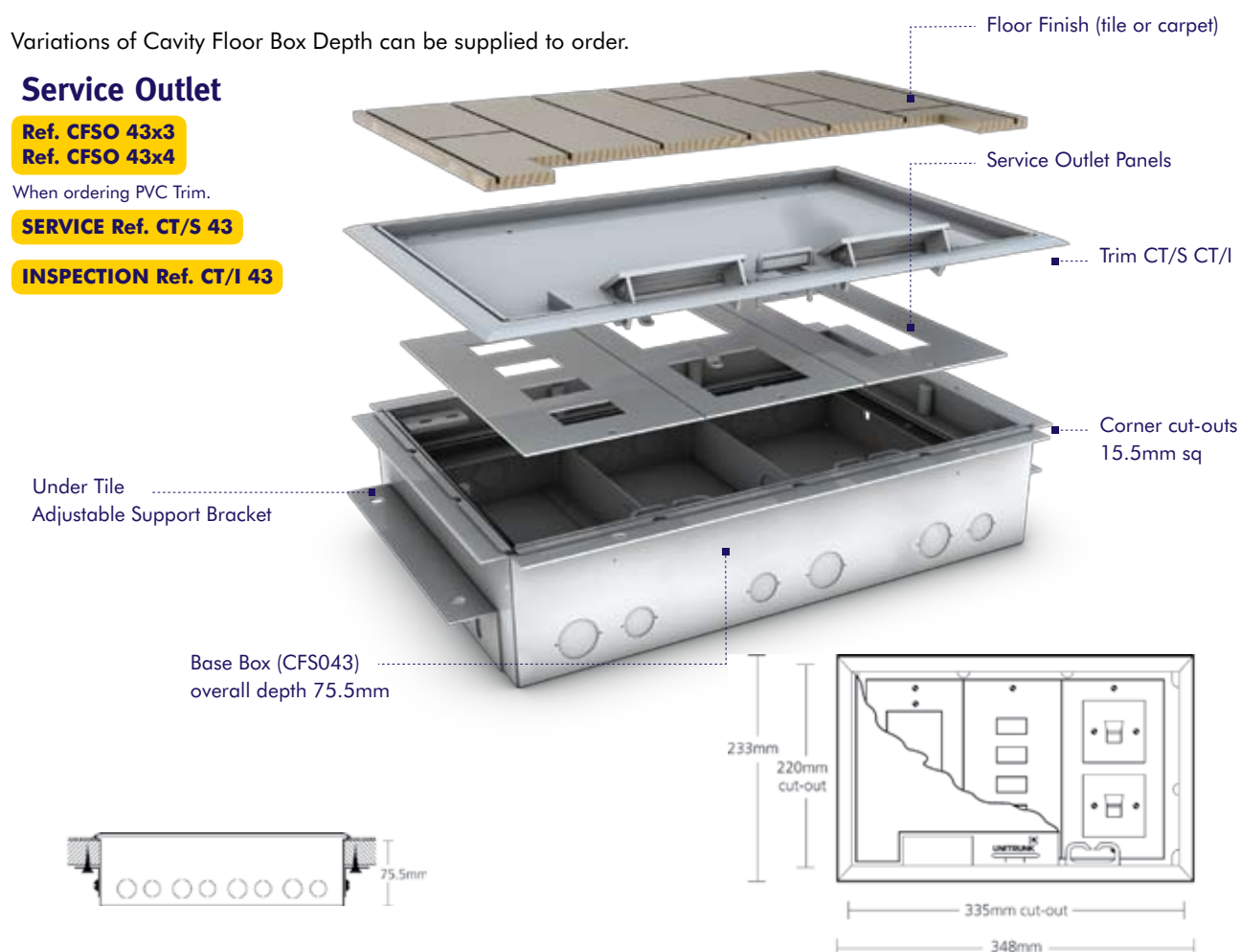
### Service Outlet

Ref. CFSO 43x3  
Ref. CFSO 43x4

When ordering PVC Trim.

**SERVICE** Ref. CT/S 43

**INSPECTION** Ref. CT/I 43





Single Compartment Cavity Floor Box

Special



Service Outlet Panels

100mm wide for CFSO 43x3 comp. (Sockets and RJ45s are available on request)  
\*\*Other plate configurations are available on request.

<p>Ref. EW103</p>  <p>Panel to accept 3 single unswitched panel sockets 13A side wired e.g. Crabtree 7259 or MK735.</p>	<p>Ref. EW105</p>  <p>Panel to accept 2xLJ3, 2xLJ4, 2xLJ5 single telephone outlets (UK only).</p>	<p>Ref. EW106</p>  <p>Blank panel.</p>
<p>Ref. EW109</p>  <p>Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.</p>	<p>Ref. EW113</p>  <p>Panel to accept 1 twin switched MK2532 WHI panel socket 13A side wired.</p>	<p>Ref. EW114</p>  <p>Panel to accept 1 twin switched panel socket 13A rear wired, for use in cavity floor box only Ref. Volex MC1500. Volex Dual Earth MC1500DE also available.</p>
<p>Ref. EW125</p>  <p>Plate to accept a standard twin switch socket. To suit 2G outlet.</p>	<p>Ref. EW166</p>  <p>Wave Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.</p>	<p>Ref. MC1500</p>  <p>For use with EW764 &amp; EW114</p>
<p>Ref. MK2532</p>  <p>For use with EW763 &amp; EW113</p>		

Service Outlet Panels

75 mm wide for CFSO 43x4 comp. (Sockets and RJ45s are available on request)  
\*\*Other plate configurations are available on request.

<p>Ref. EW755</p>  <p>Panel to accept 2xLJ2 single telephone outlets (UK only, 50mm centres).</p>	<p>Ref. EW756</p>  <p>Blank Panel.</p>	<p>Ref. EW759</p>  <p>Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.</p>
<p>Ref. EW763</p>  <p>Panel to accept 1 twin switched MK2532 WHI panel socket 13A side wired.</p>	<p>Ref. EW764</p>  <p>Panel to accept 1 twin switched panel socket 13A rear wired for use in cavity floor box only ref. Volex MC1500.</p>	<p>Ref. EW766</p>  <p>Wave Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.</p>
<p>Ref. MC1500</p>  <p>For use with EW764 &amp; EW114</p>	<p>Ref. MK2532</p>  <p>For use with EW763 &amp; EW113</p>	

SHALLOW FLUSH FLOOR

Ref.SSF

Shallow flush floor trunking is designed for a minimal screed application. It is also available for wooden floors where the same principle applies.

A Standard Cavity Floor Box can be used adjacent to the shallow flush floor trunking, where a small area of the floor has been excavated to accommodate its dimensions.

Width and height to customer specification.





### Service Outlet Panels

75mm wide for UFUF 9x3 Comp. 75mm wide for UFUF 12x4 Comp.  
**\*\*Other plate configurations are available on request.**

**Ref. EW759**



Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.

**Ref. EW755**



Panel to accept 2xLJ2 single telephone outlets (UK only, 50mm centres).

**Ref. EW763**



Panel to accept 1 twin switched MK2532 WHI panel socket 13A side wired.

**Ref. EW756**



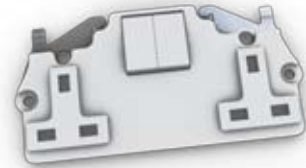
Blank panel.

**Ref. EW766**



Wave Panel to accept 4 x LJ6/RJ45 snap in connectors cut out size 36.70 x 22.50.

**Ref. MC1500**



For use with EW764 & EW114

**Ref. MK2532**



For use with EW763 & EW113

**Ref. EW764**



Panel to accept 1 twin switched panel socket 13A rear wired for use in cavity floor box only ref. Volex MC1500.

### Cavity Floor Trunking

**Ref. CFTK**

Available in 3 metre lengths. Standard size - 3 compartments 225mm x 38mm.



### Gusset Bend

**Ref. GTB**



### Riser Bend

**Ref. GIB**

Overall height 82mm.



### Four-way Intersection

**Ref. ITB**



### Gusset Tee

**Ref. GTT**



### Tap-off Box

**Ref. CFTB**

Box height 40mm.



### Tap-off Lid

**Ref. CFTL**

Alternative to Tap-off Box Knock-outs (20mm) in each compartment.



### Trunking Coupling

**Ref. CFTC**



### Blank End

**Ref. CFBE**



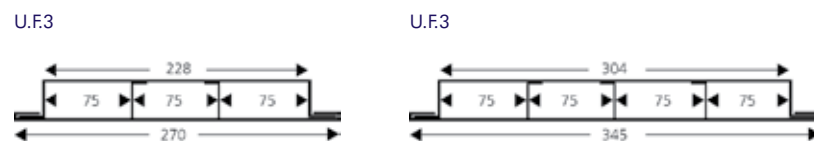


**SYSTEM ACCESSORIES & SERVICE OUTLETS**

	*Single Compartment	*Two Compartment	Three Compartment	*Four Compartment
Sizes (width x depth)	Ref. UF1	Ref. UF2	Ref. UF3	Ref. UF4
150x25mm	•	•		
150x38mm	•	•		
225x25mm		•	•	
225x38mm		•	•	
300x25mm			•	•
300x38mm			•	•

\*Special Order

**Compartment Dimensions**



**Underfloor Trunking**

**Ref. UF**

Supplied in 3m lengths  
as per adjacent table



**Flange Coupling**

**Ref. UFFC**



**Underfloor Coupling**

**Ref. UFTC**

1 off supplied/ 3m length.



**Service Outlet (PVC Trim)**

**Ref. CT/S 3**

For use with UFUF69.

**Ref. CT/S 43**

For use with UFUF12.



**Riser Bend**

**Ref. UFRB**

Trunking height	URFB height (H)
25mm	130mm
38mm	142mm

Depth of screed should also  
be quoted when ordering.



**Adjustable Collar (For Underfloor)**

**Special**

Would be used in situations  
where floor levels are not  
consistent. Also where a  
deeper void is required within  
the box to suit larger  
plug fittings.

Height can be manufactured to suit customer requirements.



**Riser Bend**

**Ref. UFST**

Depth of screed should also  
be quoted when ordering.



**Riser Flange**

**Ref. UFRF**

Depth of screed should also  
be quoted when ordering.



**Underfloor Blank End**

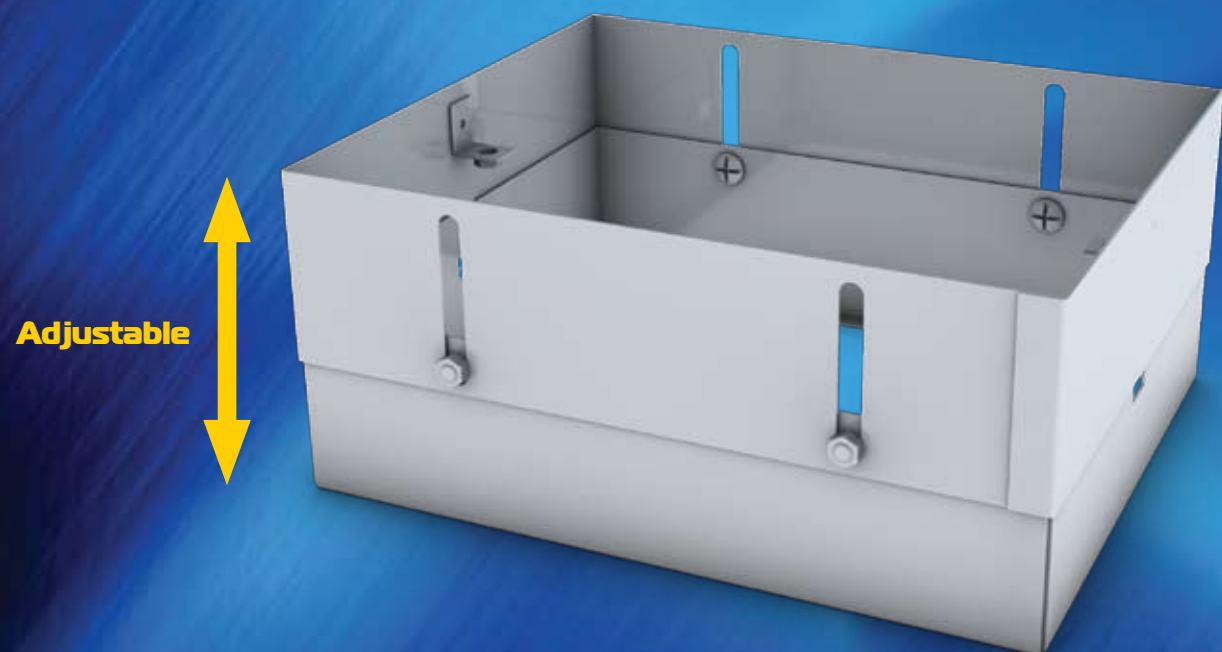
**Ref. UFBE**

For use with UFUF69.





# NEED SOMETHING FLEXIBLE?



Try our

## ADJUSTABLE COLLAR

Designed for under floor universal fitting 9 & 12

To be used in situations where floor levels are not consistent. Or where a deeper void is required within the box to suit larger plug fittings.

Height can be manufactured to suit customer requirements.



Product Finishing Key (See page 16)

### UNDERFLOOR (IN SCREED) TRUNKING SYSTEMS

# 08

#### Universal Fitting

Ref. UFUF 9

For use with UF3 Trunking.

Ref. UFUF 12

For use with UF4 Trunking  
Supplied with polystyrene block  
to prevent screed ingress.

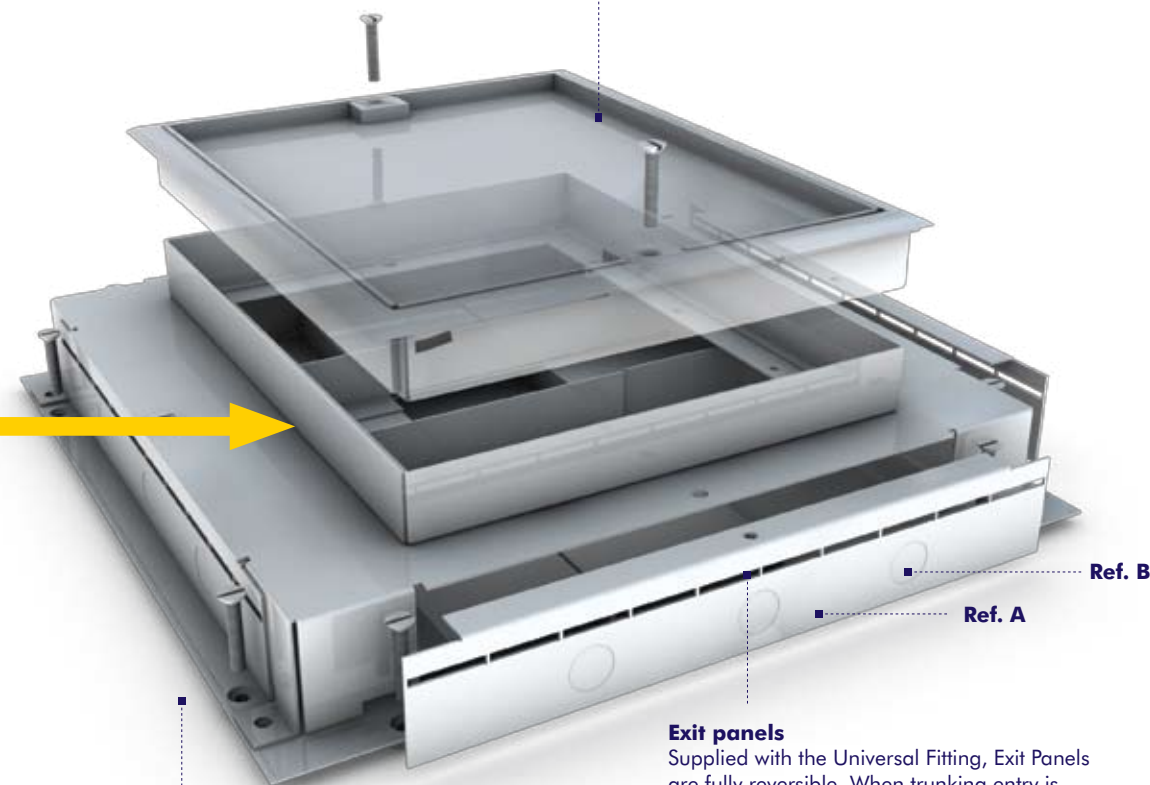
#### Inspection Trim

Ref. CT/I 3

For use with UFUF69.

Ref. CT/I 43

For use with UFUF12.



#### Universal Fitting

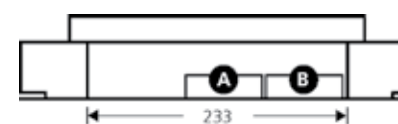
UFUF9 Underpass Layout  
Overall dimensions 379mm sq.

**Exit panels**  
Supplied with the Universal Fitting, Exit Panels are fully reversible. When trunking entry is required for 225mmx25mm see diagram (Ref.A). For 225mmx38mm remove plate (Ref.A). Alternatively conduit exits may be created by removing knock-outs (Ref.B).

#### Universal Fitting Dimensions

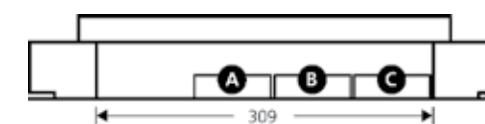
##### UFUF 9 (3 compartment)

Underpasses: A 75 x 13mm  
B 75 x 13mm  
Overall width: 350mm sq.  
Overall height: 78mm (including base rivet bushes)



##### UFUF 12 (4 compartment)

Underpasses: A 75 x 13mm  
B 75 x 13mm  
C 75 x 13mm  
Overall width: 452mm sq.  
Overall height: 78mm (including base rivet bushes)



- Standard Trunking
- Multi Compartment Trunking
- Lighting Trunking
- Uniklip Cable Tray
- Speedway Cable Ladder
- Wire Mesh Tray
- Channel & Support
- Floor Trunking
- Bench Outlet & Perimeter Trunking
- Steel Conduit (Class 4)
- Innovative Design Solutions
- Accessories & Supports
- Index



UNITRUNK CASE STUDY

# A TRUE ICON



Unitrunk are honoured to be part of such a prestigious project. The Signature Building celebrates a true historical icon and we are very proud to be associated with it.



David Morrow, General Manager, Unitrunk

Belfast is gearing up to celebrate a legend. And Unitrunk are right in the thick of it.

2012 marks the centenary of the maiden voyage of the world’s most famous ship, the Titanic. As part of the celebrations, the stunning Titanic Signature Building will become the largest man-made tourist attraction in Northern Ireland’s history. It will have six floors and nine galleries, telling Titanic’s story from its conception to its tragic demise.

As the celebrations take place on the doorstep of Unitrunk HQ in Lisburn, Unitrunk took great pride in supplying a range of products – including trunking and tray – to get the exciting project ready ahead of the big party next year.



PRODUCTS

- Speedway SW4 Cable Ladder
- Cable Tray
- Standard Trunking
- Bespoke Floor Trunking



## SECTION 9

# BENCH OUTLET BOXES & PERIMETER TRUNKING

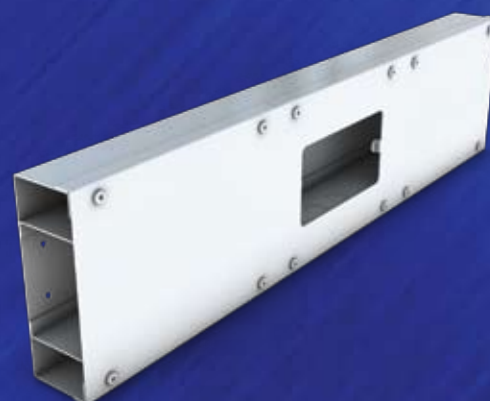
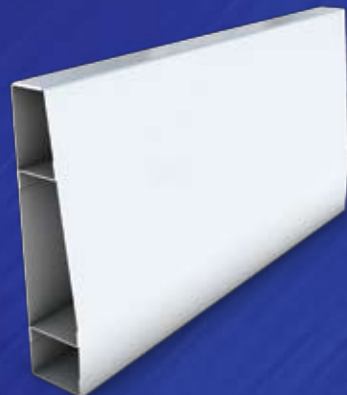
### Bench Trunking

Unitrunk Bench Trunking is manufactured with a galvanised sheet steel body to BS EN 10346:2009 in 3 metre lengths as standard although any length can be supplied to order to suit any application. Each length is Provided with coupling and screws. The cover can be supplied punched to accept socket outlets or other accessories.



### Skirting Trunking

Unitrunk Skirting Trunking is easily fitted and is available in 3 metre lengths with all the necessary bends etc, to form a complete installation. Trunking designed for installation after wall and floor surfaces have been completed. Tee Pieces, Pier Sets etc, can be supplied to customer requirements.



### Dado Trunking

Unitrunk Dado trunking is available in 3 metre lengths with all the necessary bends etc, to form a complete installation.

ACCREDITED TO THE FOLLOWING STANDARDS



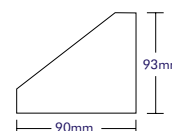
## BENCH OUTLET BOXES & PERIMETER TRUNKING

### PLEASE NOTE:

All outlet boxes are factory finished white (Ral 9010).  
(Other colours are available on request)

### Bench Outlet Box

Ref.BS1

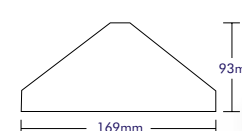


1 Gang  
Single Sided



### Bench Outlet Box

Ref.BS2

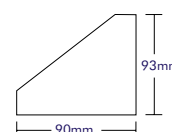


1 Gang  
Back to Back



### Bench Outlet Box

Ref.BS3

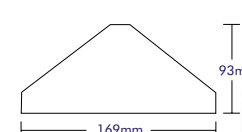


Twin  
Single Sided

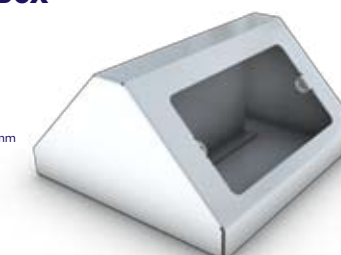


### Bench Outlet Box

Ref.BS4

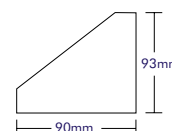


Twin  
Back to Back



### Bench Outlet Box

Ref.BS5

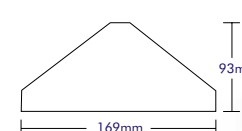


2 x 1 Gang  
Single Sided



### Bench Outlet Box

Ref.BS6



2 x 1 Gang  
Back to Back



### Data Outlet Box

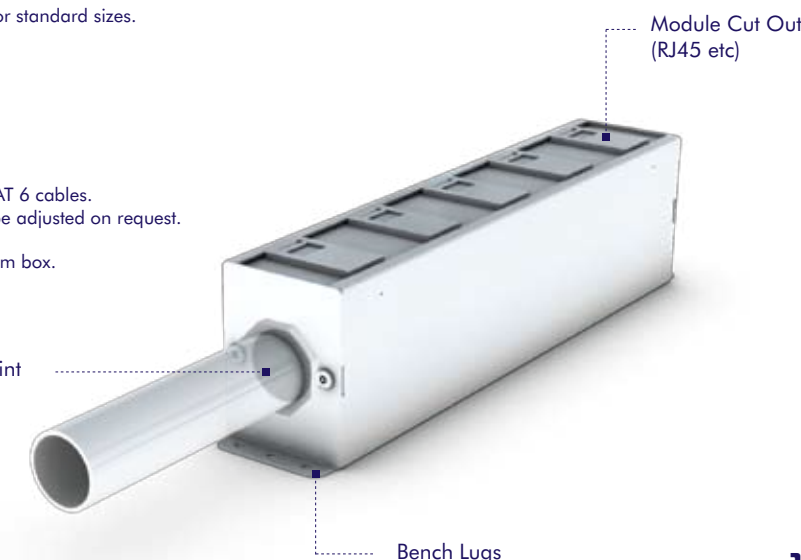
Box to accept 20, 25 or 32mm conduit.  
c/w 5 No Plates to accept: RJ45snap in connector standard sizes.

Ref.	Length mm	Width mm	Height mm
DB65	300	62	65
DB80	300	62	80

Extra height options available to accommodate CAT 6 cables.  
Width, length and height are variable and can be adjusted on request.

5 individual plates are supplied with each 300mm box.

Conduit Entry Point  
20,25 or 32mm



Standard Trunking

Multi Compartment Trunking

Lighting Trunking

Uniklip Cable Tray

Speedway Cable Ladder

Wire Mesh Tray

Channel & Support

Floor Trunking

Bench Outlet & Perimeter Trunking

Steel Conduit (Class 4)

Innovative Design Solutions

Accessories & Supports

Index



## UNITRUNK CASE STUDY

## PERFECT PARKING



Unitrunk supplied us with bespoke quality products that met our customer's exact requirements.

JD McGeown

Situated in the heart of Belfast City Centre, Victoria Square is an impressive commercial, residential and leisure development. At approx 800,000ft<sup>2</sup> (75,000m<sup>2</sup>) and costing £400m it is the biggest and one of the most expensive property developments ever undertaken in Northern Ireland. With over 17.2 million people expected to visit Victoria Square per year placing it in the top ten shopping centres in the UK.

Unitrunk tailored a total cable management solution for the extensive 1,000 space Q-Park multi-storey car park at Victoria Square. This project also involved the innovation of bespoke products namely trunking designed to house fluorescent lights and hanger brackets designed to suspend two different types of trunking from one bracket in order to meet the customers exact requirements.



## PRODUCTS

- Powder Coated Cable Trunking and Cable Tray
- OBO Magic Basket
- Bespoke trunking to house fluorescent lights
- Bespoke Hanger Brackets



## SECTION 10

# STEEL CONDUIT (CLASS 4)

Rigid steel conduit conforms to the following specification relating to cable management systems: BS4568 part 1: 1970 Clauses 4, 5.1, 5.4, 6.1, 7.1, 7.2, 8 and 9 BS EN 61386-21:2004 Clauses 7.1, 7.5, 8.1, 8.2, 9.1, 10.3, 10.4, and 14.2.2.3 (high protection). The base structure is 20mm (or 25mm or 32mm) seam welded steel tube processed from hot rolled steel strip.

BS4568 heavy protection is achieved by the hot dipped galvanising method to the thickness required under BS 4568 and EN 50086.



## STEEL CONDUIT (CLASS 4)

### Steel Conduit (Class 4)

**Galvanised**

Sold in bundles of 8



**IMPORTANT** - Supplied in 3750mm lengths as standard 3000mm lengths available on request and is threaded both ends with a coupler attached at one end.

Available in 20 - 25mm diameter and 32mm diameter on request

### Steel Conduit

**Black Enamel**

Sold in bundles of 10



**IMPORTANT** - Supplied in 3000mm lengths as standard and is threaded both ends with a coupler attached at one end.

Available in 20 - 25mm diameter

Black enamel conduit in 3000mm lengths is available from stock in 20mm and 25mm.

10

Standard  
Trunking

Multi  
Compartment  
Trunking

Lighting  
Trunking

Uniklip  
Cable Tray

Speedway  
Cable Ladder

Wire Mesh  
Tray

Channel &  
Support

Floor  
Trunking

Bench Outlet  
& Perimeter  
Trunking

Steel Conduit  
(Class 4)

Innovative  
Design  
Solutions

Accessories  
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## UNITRUNK CASE STUDY

# SAFETY FIRST

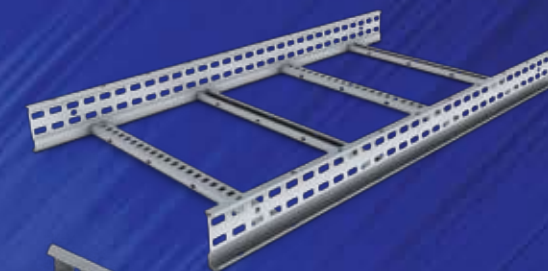


Safety and reliability are vital to us;  
Unitrunk always provide products  
we can rely on.

Billy Robson, Project Manager, Emcor

Unitrunk are helping to secure the UK's safest road tunnels with the refurbishment of the original Tyne Vehicle Tunnel. After the new tunnel opened earlier this year, the original one is undergoing an upgrade, featuring Unitrunk's ultra-reliable trunking, tray and ladder products.

Construction of the original vehicle tunnel began in 1961 and was opened by HM the Queen in October 1967. The new tunnel opened to traffic in February 2011, with the original closing, as work started on creating a separate emergency escape passage. The upgrade will see them become the safest road tunnels in the UK.



### PRODUCTS

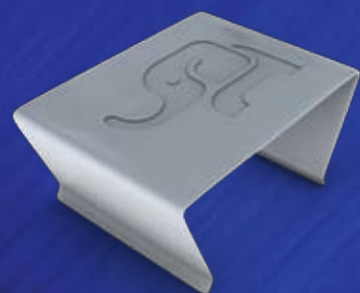
- Speedway SW4 Cable Ladder
- Cable Tray
- Standard Trunking



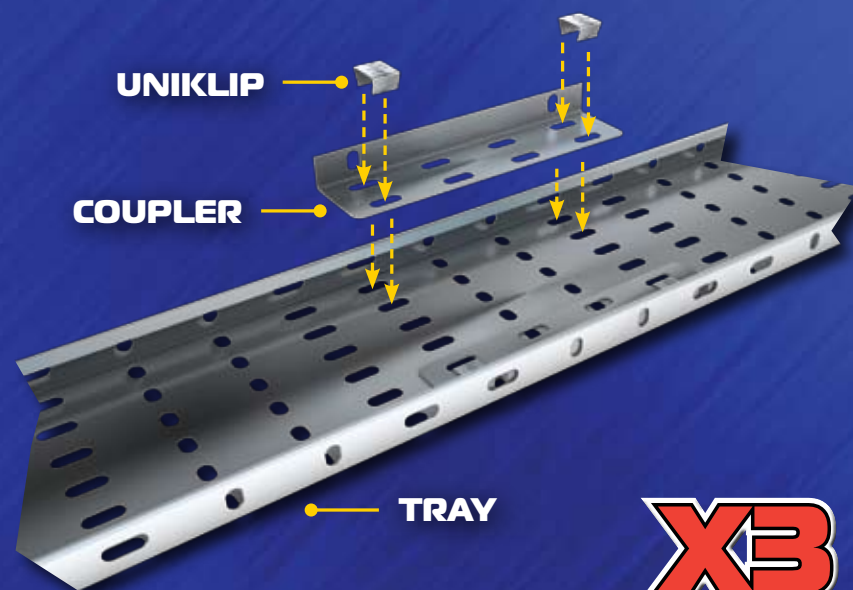
## SECTION 11

# INNOVATIVE DESIGN SOLUTIONS

Our industry experience over many years has secured our position as the leader in bespoke made to order solutions. The products profiled in this section are unique to Unitrunk and have been designed by our Innovation Department who work closely with our customers to overcome any challenges providing the ideal solution to their needs in any given situation. We work harder and faster than our competitors to help you overcome any problems you may encounter, just give us a call and we can work it out.



**UNIKLIP**  
**COUPLER**



**TRAY**

ACCREDITED TO THE FOLLOWING STANDARDS



FM11705

**X3**  
**FACTOR**  
3 TIMES FASTER!  
Than your standard installation

## INNOVATIVE DESIGN SOLUTIONS

### Adjustable Bends (Vertical) 0-35° Angle

**Special**

Gives the flexibility on site to manage any unforeseen problems, where angles cannot be determined before going to installation.



### Adjustable Bends (Horizontal) 0-35° Angle

**Special**

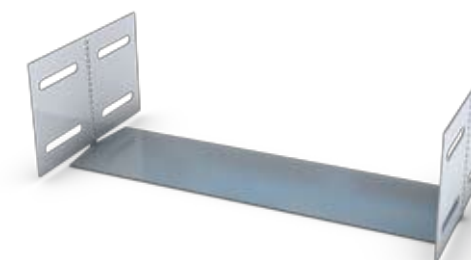
Gives the flexibility on site to manage any unforeseen problems, where angles cannot be determined before going to installation.



### Adjustable Lengths Coupler 0-15° Angle

**Ref.TAC**

Gives flexibility to the trunking where situations on site would require a degree of movement before final fixing. Trunking no longer requires cutting on site saving installation time.



### Change of Face Trunking 90° Angle

**Special**

Used in situations where a trunking lid changes face, e.g. top lid to front lid.

No more cutting trunking on site saving installation time.



### Modular System (HM Prison Approved)

**Special**

Manufactured to suit modular precast systems designed to suit customers specifications. Can be supplied in kit form to save installation time.



Standard Trunking

Multi Compartment Trunking

Lighting Trunking

Uniklip Cable Tray

Speedway Cable Ladder

Wire Mesh Tray

Channel & Support

Floor Trunking

Bench Outlet & Perimeter Trunking

Steel Conduit (Class 4)

Innovative Design Solutions

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### Adjustable Collar for Under Floor Universal Fitting 9 & 12

#### Special

Would be used in situations where floor levels are not consistent. Also where a deeper void is required within the box to suit larger plug fittings.

Height can be manufactured to suit customer requirements.



### Distribution Board Trunking

#### Ref.TKDB

Trunking no longer requires cutting on site.

Size manufactured to customer requirements, saving installation time.



### Double Depth Tee

#### Ref.DDT

Can be manufactured to enter at bottom or lid level. Gives full compartmental depth from trunking to Tee underpass.



### Hinge Lid Trunking

#### Ref.TKHL

Would be used in situations where retention of lid is a requirement.

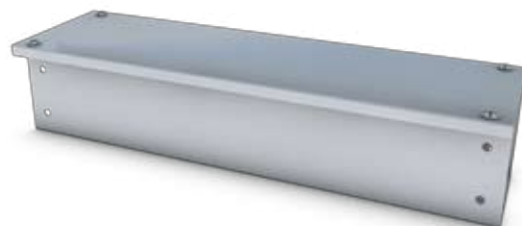
Manufactured to customer Requirements.



### Weatherproof Trunking

#### Ref.WPTK

The trunking is constructed with out-wardly turned flanges and provided with an internal sleeve coupling which allows it to be cut as necessary on site. Bonded gaskets are fitted throughout. The flange covers are secured by bolts and both the trunking and cover are manufactured from hot-dip galvanised sheet steel to either BSEN10346 or BS1461. A complete range of weatherproof trunking fittings are available.



### Data Outlet Box

#### Ref.BB

Manufactured to take 5 off RJ45 can be adapted to suit telecommunications.

Extra height options available to accommodate CAT 6 cables. Width, length and height are variable and can be adjusted on request.

5 individual plates are supplied with each 300mm box.



### Junction Box

#### Ref.JB

Junction Box can be used were the steel work of the building has been designed for architectural effect.

Box can be adapted to suit customer requirements.



### Fireproof Trunking

#### Ref.FPTK

The system comprises of a pre-galvanised inner trunking system surrounded by thermal insulation board all contained within a pre-galvanised outer trunking.

The trunking size can be supplied to customer requirements.



### Shallow Flush Floor

#### Ref.SSF

Shallow flush floor trunking is designed for a minimal screed application. It is also available for wooden floors were the same principle applies.

Width and height to customer specification.



### Hinge Lid Tray (Available MR/HR)

#### Ref.HLT

Would be used in situations where retention of lid is a requirement. Manufactured to customer requirements.





Stainless Steel, Brass Floor Box Trims

Special

Can be manufactured to suit our standard Floor Boxes. Also other sizes can be manufactured to customer requirements.



Floor Box

Special

Single compartmental floor box to accept up to 15mm floor tile.

3 compartmental floor box is also available 110mm deep to suit 15mm floor tile. The box has chain link fixing for lid.



Cable Ladder Fitting Integral Coupler

Special

Fast fit, cost saving system reducing the number of couplers required. The coupler has a formed shape to increase strength and rigidity and reduces joint hinging.



Cable Guard

Ref: CG

Available in all sizes and finishes to customers requirements manufactured to any length up to 3 metres.



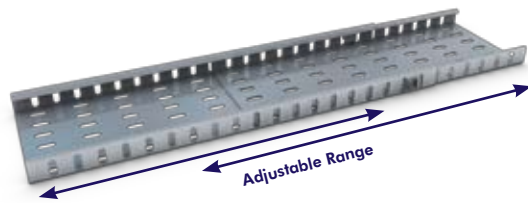
Adjustable Tray Extension

Ref. KLMRATE or KLHRATE

Size	Adjustable length ranges		
50	300 - 450	500 - 800	750 - 1200
75	300 - 450	500 - 800	750 - 1200
100	300 - 450	500 - 800	750 - 1200
150	300 - 450	500 - 800	750 - 1200
225	300 - 450	500 - 800	750 - 1200
300	300 - 450	500 - 800	750 - 1200
450	300 - 450	500 - 800	750 - 1200

An innovative KL Tray product with an outer tray sleeve that wraps around the end of the tray that is to be extended, the inner extension piece is the same profile as std tray, allowing std couplers and accessories to be added.

Drastically reduces installation times by removing the need for on site cutting and eliminates material wastage.



Other lengths available on request.

Floor Trunking Tray Cover

Ref.FFR

The trunking body and tray type cover are formed from galvanised sheet steel. The standard depth of the tray cover is 8mm but deeper sections for wood block flooring etc are available. Dividing fillets are fitted to 150mm and wider in order to support cover.

When ordering multi-compartment floor trunking the width of each compartment should be specified. Any sizes available to order.



Floor Trunking Chequer Plate Cover

Ref.FFC

The trunking body is similar to tray type. A self adhesive gasket is fitted under the chequer plate cover which can be supplied either galvanised or in grey enamel finish also available with chequer plate lid.

When ordering multi-compartment floor trunking, the width of each compartment should be specified. Any sizes available to order.



Screw Fixed Lid Trunking

REF: SFL/TK/SIZE/SCREW TYPE

Available with a complete range of fittings and supplied in various finishes i.e. galvanised steel, stainless steel and epoxy/polyester coated. Also available with tamper proof Lid fixings.

Code eg: SFL/TK/22/TORQ  
Screwfix Lid/Trunking/50x50mm/Torq Screw



Standard (Slot)

Security Screws:

Torq (Resistorx)

Snake Eye

Socket Button Head

Flexible Bend Trunking

Special

Ease of installation, perfect for navigating those awkward areas whilst maintaining the installations symmetric appearance. Manufactured to customer requirements.



UNIKLIP

Bag Ref. KLIPPKT  
Box Ref. KLIPBOX

Available in bags of 40 or boxes of 200





## UNITRUNK CASE STUDY



# UNDERSTATED ELEGANCE



A highly specialised service with effortless installation, great job.

Bavarian Showroom, N. Ireland



The needs of BMW drivers are highly specialised. That's why the Bavarian Showroom in Belfast has the expertise and knowledge to help in every possible way. Their commitment to customers is to maintain the highest possible dealership standards at all times with professional excellence paramount to these local experts.

All traits that Unitrunk recognise in the service we provide to our customers. For this project, Unitrunk supplied a wide range of products from standard trunking to speedway cable ladders. Complimenting the modern showroom interior, Unitrunk designed bespoke floor boxes which suited the required style and depth of showroom floor tiling.



## PRODUCTS

- Bespoke Floor Boxes To Suit An Unusual Tile Depth On The Showroom Floor
- Speedway SW4 Cable Ladder
- MR and HR Cable Tray
- Standard Trunking



## SECTION 12

# ACCESSORIES & SUPPORTS

Cable Management installations often require a wide range of ancillary items such as fixings and accessories. Unitrunk branches carry, in stock, a vast range of these items to ensure that installers have a reliable 'single source' supply of components to meet their site requirements.

Although fixings and accessories are often small value parts, they can be important components in the overall installation therefore, breadth of range and product quality are important factors when choosing a supplier.

It's impossible to feature every product from this wide ranging product area in one catalogue so whilst you'll find many industry standard items in the following pages, if you have specific requirements that aren't shown then please call your local branch for expert support and assistance.

Finishes are available in zinc plated (EZ), hot dip galvanised (GA) and stainless steel finishes (SS) and when ordering please specify the finish required.

ACCREDITED TO THE FOLLOWING STANDARDS



## ACCESSORIES

### Cantilever Arm

Ref.	Product	Arm Length
340AH10	2 Hole	150mm
340AH11	2 Hole	300mm
340AH12	2 Hole	450mm
340AH13	2 Hole	600mm
340AH14	2 Hole	750mm
340AH15	2 Hole	900mm



### Long Spring Channel Nuts

Ref.	Thread Size
UCM6/L	M6
UCM8/L	M8
UCM10/L	M10
UCM12/L	M12



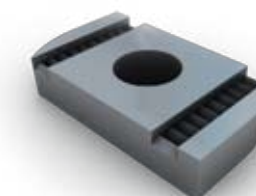
### Short Spring Channel Nuts

Ref.	Thread Size
UCM6/S	M6
UCM8/S	M8
UCM10/S	M10
UCM12/S	M12



### Channel Nuts No Spring

Ref.	Thread Size
UCM6/N	M6
UCM8/N	M8
UCM10/N	M10
UCM12/N	M12



### Cone Pointed Bolts

Ref.	Thread Size
UCM10/CPB	M10x40



### Rod Joiners

Ref.	Thread Size
M6RJ	M6
M8RJ	M8
M10RJ	M10
M12RJ	M12



Sold in 100's.

### Threaded Rod

Ref.	Thread Size	Length
M6R3	M6	3m long
M8R3	M8	3m long
M10R3	M10	3m long
M12R3	M12	3m long



### Drop in Anchors

Ref.	Thread Size
M6A	M6
M8A	M8
M10A	M10
M12A	M12



Sold in 100's.

### Roofing Bolts & Nuts

Ref.	Thread Size
M6X12RNB	M6 x 12mm
M6X16RNB	M6 x 16mm
M6X20RNB	M6 x 20mm
M6X25RNB	M6 x 25mm
M6X30RNB	M6 x 30mm
M6X35RNB	M6 x 35mm
M6X40RNB	M6 x 40mm



Sold in 100's.  
Other sizes available on request.

### Full Hexagonal Nuts

Ref.	Thread Size
M6HN	M6
M8HN	M8
M10HN	M10
M12HN	M12



Sold in 100's.



### Wedge Nut

Ref.	Thread Size
M6WN	M6
M8WN	M8
M10WN	M10
M12WN	M12

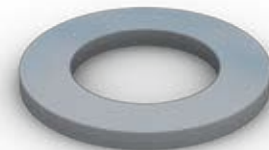
Sold in 100's.



### Flat Washers

Ref.	Thread Size
M6FW	M6
M8FW	M8
M10FW	M10
M12FW	M12

Sold in 100's.



### Anchor Setting Tool

Ref.M6ST
Ref.M8ST
Ref.M10ST
Ref.M12ST



### Beam Clamp

Ref.	Thread/Hole Size
FC6T	M6 Threaded
FC8T	M8 Threaded
FC10T	M10 Threaded
FC11	11mm Plain Hole Max girder width for bolting 19mm
FC13	13mm Plain Hole Max girder width for bolting 23mm



### Hex Head Set Screws

	Thread Size						Pack Qty	Ref.
M6	20	25	30	35	40	-	100	M6 X SIZE HS
M8	20	25	30	35	40	-	100	M8 X SIZE HS
M10	20	25	30	35	40	50	100	M10 X SIZE HS
M12	20	25	30	35	40	50	100	M12 X SIZE HS

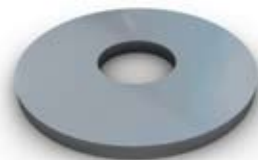


Unitrunk stock a large range of set screws in thread sizes M6, M8, M10 and M12. Popular lengths range from 20mm to 40mm long and are stocked at all our distribution centres.

### Mudguard Washers

Ref.	Size
M6MW	M6
M8MW	M8
M10MW	M10
M12MW	M12

Sold in 100's.



### Basket to Channel clip

Ref. EC170011

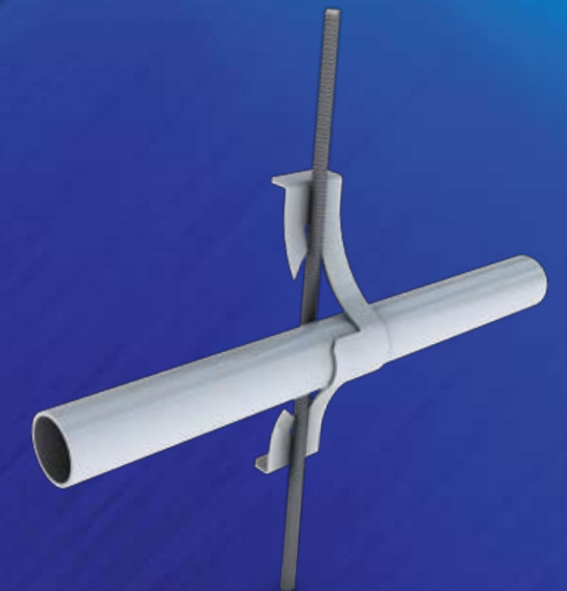
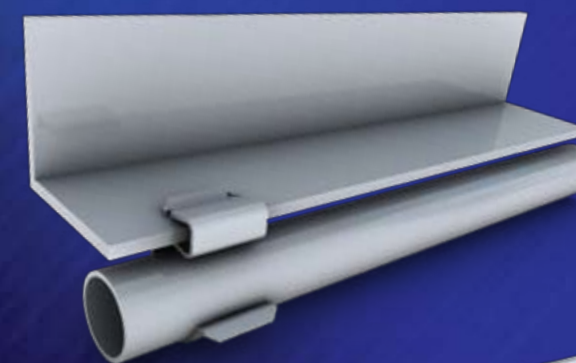


# REMEMBER

## UNITRUNK STOCK A GIANT RANGE OF ERICO CADDY PRODUCTS...

## COMPREHENSIVE RANGE OF ERICO CADDY PRODUCTS

Unitrunk are an appointed super stockist of the erico caddy range of spring steel products and maintain a large stock profile of the popular caddy products at all the Unitrunk distribution centres.





01 STANDARD TRUNKING SYSTEMS

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45° Elbow Outside Lid	20
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