

CATALOGUE

ELECTRICAL & MECHANICAL SUPPORT SYSTEMS

Metal Framing • Pipe Supports • Fittings, Nuts & Hardware • Cable Trays and Cable Ladders

UNISTRUT®

A PART OF  **atkore**
INTERNATIONAL



UNI-TRAY®

The UNI-TRAY® systems offers the contractor the ability to site manufacture all required junctions, thereby reducing the installation cost over traditional cable trays and ladders.

UNI-TRAY® is used widely as an architectural cable support and the comprehensive range of light, medium and heavy duty products ensure that the UNI-TRAY® system is an aesthetically pleasing and cost effective cable support medium.

ROLLED EDGE CABLE TRAY

A simple and cost effective support system for communications and power cable distribution. Slots running down the length of the trays enable easy installation of cable ties. The joggled end for joining lengths and accessories eliminates the requirements for separate joiners.

ACROFIL® WIRE BASKETS

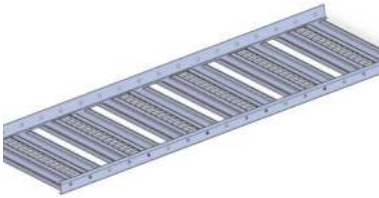
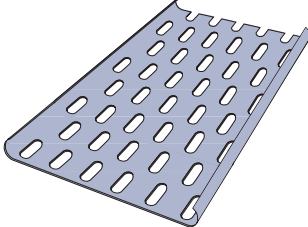
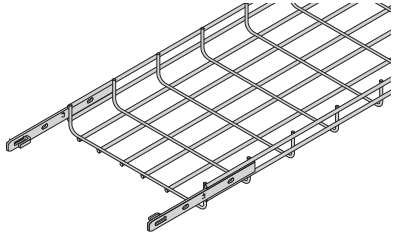
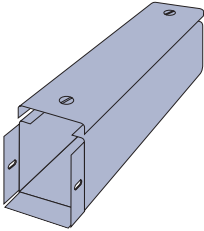
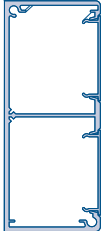
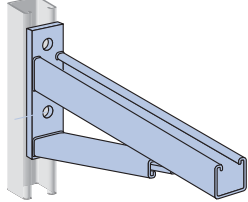
Ideal for a variety of applications, our wire baskets feature a self-splicing system designed to be simple to assemble and proven to be 80% faster in mounting time than standard splicing – eliminating the need for nut and bolt connections.

Light and quick to assemble, easy to handle, our wire basket helps simplify application installation.

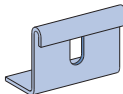
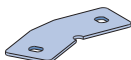
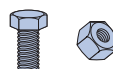
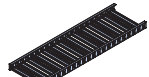
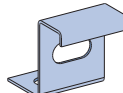
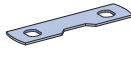
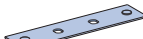
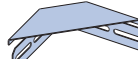
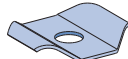
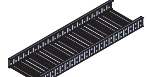
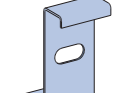
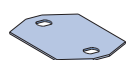
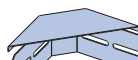
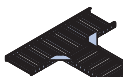
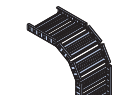
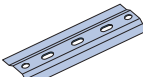
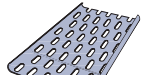
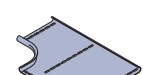
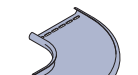
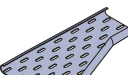
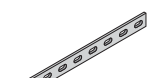
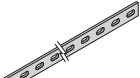
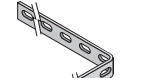
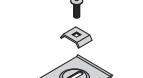
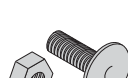
CABLE TRUNKING STEEL

The cable duct system is designed to be quick and simple to assemble, providing real time saving as well as remaining a reliable product throughout its natural life cycle.

In-Built joining splices allow you to securely connect cable duct lengths without the need to have separate splice plates, giving a neat external finish.

UNI-TRAY®	ROLLED EDGE	ACROFIL®
		
PG. 77	PG. 84	PG. 85
CABLE TRUNKING STEEL	SKIRTING DUCTS	SUPPORT BRACKETS
		
PG. 101	PG. 105	PG. 107

CABLE TRAY AND SUPPORT SYSTEMS - PICTORIAL INDEX

UNI-TRAY® & ACCESSORIES							
							
UT1 - UNI-TRAY® PG. 77	HOLD DOWN BRACKET PG. 78	LINK PLATE PG. 78	RADIUS PLATE PG. 78	SPLICE PLATE PG. 78	GUSSET PG. 78	CENTRE HOLD DOWN CLAMP PG. 78	HARDWARE PG. 78
							
UT3 - UNI-TRAY® PG. 79	HOLD DOWN BRACKET PG. 80	LINK PLATE PG. 80	RADIUS PLATE PG. 80	SPLICE PLATE PG. 80	GUSSET PG. 80	CENTRE HOLD DOWN CLAMP PG. 80	HARDWARE PG. 80
							
UT5 - UNI-TRAY® PG. 81	HOLD DOWN BRACKET PG. 82	LINK PLATE PG. 82	RADIUS PLATE PG. 82	SPLICE PLATE PG. 82	GUSSET PG. 82	CENTRE HOLD DOWN CLAMP PG. 82	HARDWARE PG. 82
UNI-TRAY®							
							
UNI-TRAY® BEND PG. 83	UNI-TRAY® T-X BRACKET PG. 83	UNI-TRAY® EXTERNAL RISER PG. 83	UNI-TRAY® INTERNAL RISER PG. 83	TB - LIGHT DUTY TRAPEZE BRACKET PG. 83			
ROLLED EDGE CABLE TRAY & ACCESSORIES							
							
ROLLED EDGE CABLE TRAY PG. 84	FLAT CROSS PG. 84	EXTERNAL RISER PG. 84	INTERNAL RISER PG. 84	TEE EQUAL PG. 84	BEND 90° PG. 84	REDUCER PG. 84	
ACROFIL® - WIRE MESH CABLE TRAY							
							
DOUBLE ROD REINFORCED TRAY [AF50 - (W)] PG. 88	TRIPLE ROD REINFORCED TRAY [AF100 - (W)] PG. 89	QUADRUPLE ROD REINFORCED TRAY [AF150 - (W)] PG. 90					
ACROFIL® JOINERS AND HARDWARE							
							
AF-SPLICE PG. 91	BEND & INTERSECTION BARS (550MM OR 1100MM LONG) PG. 91	BEND & INTERSECTION BARS PG. 91	CONNECTOR KIT (AF-KITCH1) PG. 92	CONNECTOR KIT (AF-KITCH2) PG. 93	CONNECTOR KIT (AF-KITCH3) PG. 93	CONNECTOR HARDWARE (AF-EG-CBN) PG. 93	

UNISTRUT® UNI-TRAY® CABLE TRAY

UT1 UNI-TRAY®

UT1 is available in differing finishes with 30mm side height, 3 metres in length and a variety of widths to meet all your application needs.

FINISHES

Galvabond (GB)

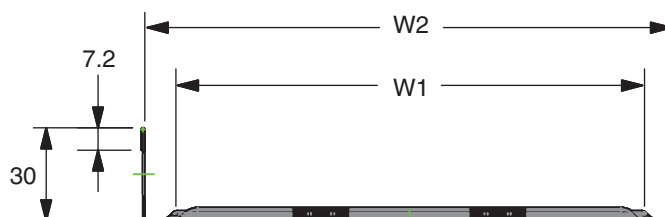
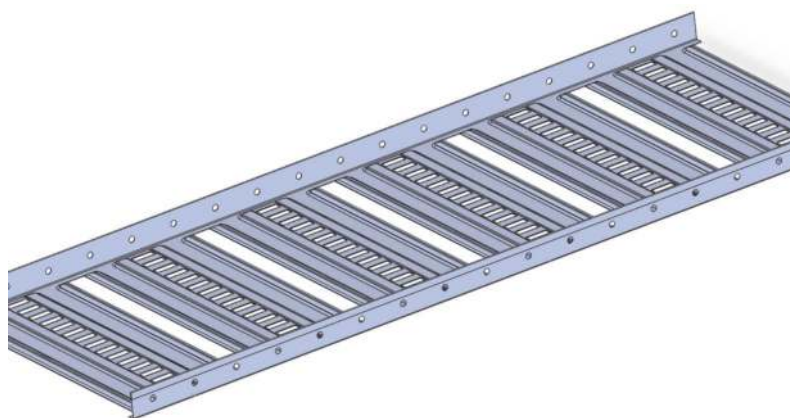
Base material is supplied ex the Steel Mill in pre-galvanised finish, in accordance with AS/NZS 1397, with a coating class of Z275. The material is slit to width, punched, and formed in the UNI-TRAY® profile.

Heavy Duty Galvanised (HG)

Coatings are applied generally in accordance with AS/NZS 4680. The thickness of the coating is dependent on the material thickness of the component being galvanised. It should be noted that due to the galvanising process, the thickness of the coating will vary over the surface and should be taken into account during component assembly. It may be necessary to remove excess build-up prior to use.

Other – Powder Coated (PC), Pre-Galv (PG), Plain (PL)

When specific applications require other commercially available finishes, they can be supplied according to specification.



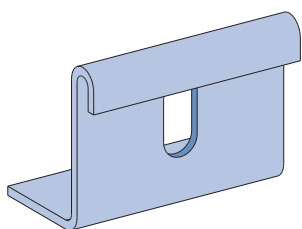
GB Code	Cable Laying Width mm "W1"	Overall Width mm "W2"	Cable Laying Depth mm	Length mm	Overall Height mm
UT1-075	75	98	25	3000	30
UT1-100	100	123	25	3000	30
UT1-150	150	173	25	3000	30
UT1-225	225	248	25	3000	30
UT1-300	300	323	25	3000	30

Basic Load 20kgs/Linea Meter on 1.5 meter span.

UNISTRUT®

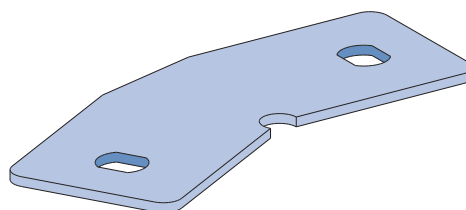
UT1 ACCESSORIES

HOLD DOWN BRACKET



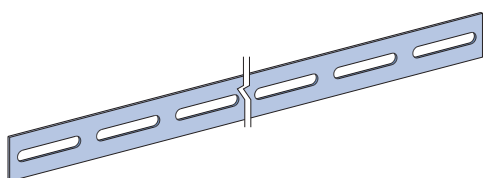
Description	Finish	Part No.	Finish	Part No.
Hold Down Bracket	GB	UT1HDB	HG	UT1HDBH

LINK PLATE



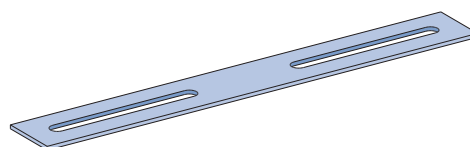
Description	Finish	Part No.	Finish	Part No.
Link Plate	GB	UT1LP	HG	UT1LPH

RADIUS PLATE



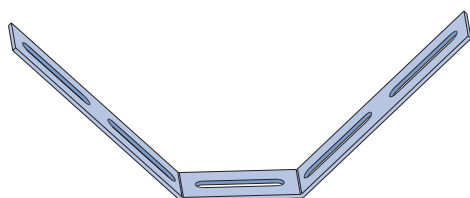
Description	Finish	Part No.	Finish	Part No.
Radius Plate 1200mm	GB	UT1RP	HG	UT1RPH

SPLICE PLATE



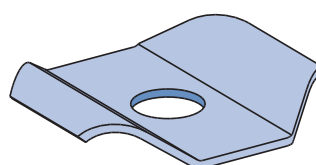
Description	Finish	Part No.	Finish	Part No.
Splice Plate	GB	UT1SP	HG	UT1SPH

GUSSET



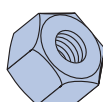
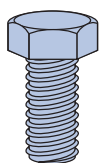
Description	Finish	Part No.	Finish	Part No.
Tray Gusset	GB	UT1TG	HG	UT1TGH

CENTRE HOLD DOWN CLAMP



Description	Finish	Part No.	Finish	Part No.
Centre Down Clamp	GB	UTCHD	HG	UTCHDH

HARDWARE



Description	Finish	Part No.	Finish	Part No.
Hex Head Bolt M6 x 20	ZP	HHS0620	HG	HHS0620H
Hex Nut M6	ZP	HN06	HG	HN06H

UNISTRUT® UNI-TRAY® CABLE TRAY

UT3 UNI-TRAY®

UT3 is available in differing finishes with 50mm side height, 3 metres in length and a variety of widths to meet all your application needs.

FINISHES

Galvabond (GB)

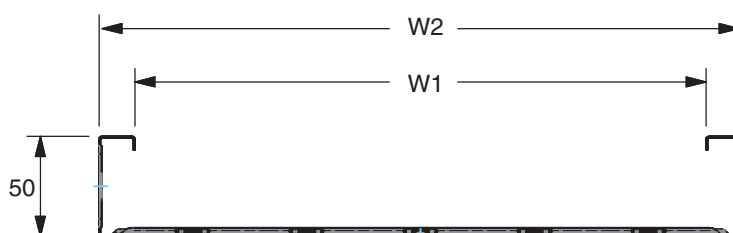
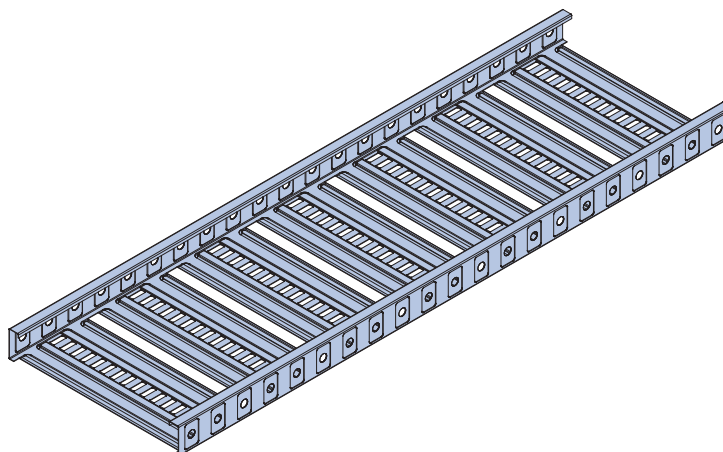
Base material is supplied ex the Steel Mill in pre-galvanised finish, in accordance with AS/NZS 1397, with a coating class of Z275. The material is slit to width, punched, and formed in the UNI-TRAY® profile.

Heavy Duty Galvanised (HG)

Coatings are applied generally in accordance with AS/NZS 4680. The thickness of the coating is dependent on the material thickness of the component being galvanised. It should be noted that due to the galvanising process, the thickness of the coating will vary over the surface and should be taken into account during component assembly. It may be necessary to remove excess build-up prior to use.

Other - Powder Coated (PC)

When specific applications require other commercially available finishes, they can be supplied according to specification.



GB Code	Cable Laying Width mm "W1"	Overall Width mm "W2"	Cable Laying Depth mm	Length mm	Overall Height mm
UT3-150	150	172	45	3000	50
UT3-300	300	322	45	3000	50
UT3-450	450	472	45	3000	50
UT3-600	600	622	45	3000	50

Basic Load 125kgs/Linea Meter on 1.5 meter span.

Deflections mm

	10mm	20mm	25mm	35mm
Span 1.5 meters				
Span 2.0 meters				
Span 2.4 meters				
Span 3.0 meters				

Allowable Load

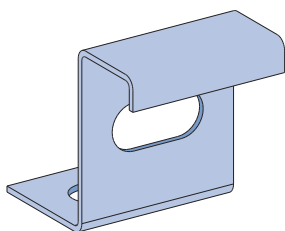
125kg/m	75kg/m	50kg/m	35kg/m
---------	--------	--------	--------

Note: The deflections have been provided as a guide based on CONTINUOUS spans.

UNISTRUT®

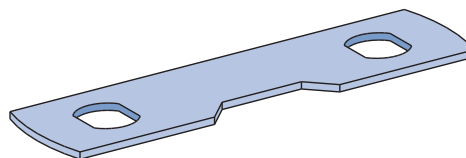
UT3 ACCESSORIES

HOLD DOWN BRACKET



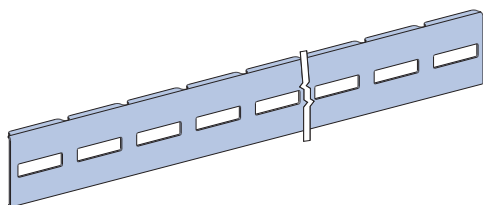
Description	Finish	Part No.	Finish	Part No.
Hold Down Bracket	GB	UT3HDB	HG	UT3HDBH

LINK PLATE



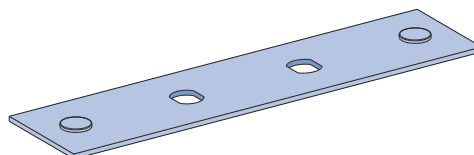
Description	Finish	Part No.	Finish	Part No.
Link Plate	GB	UT3LP	HG	UT3LPH

RADIUS PLATE



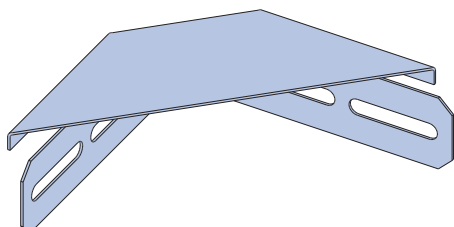
Description	Finish	Part No.	Finish	Part No.
Radius Plate 3000mm	GB	UT3RP	HG	UT3RPH

SPLICE PLATE



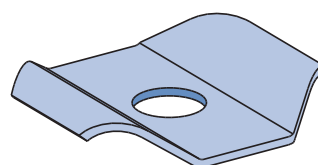
Description	Finish	Part No.	Finish	Part No.
Splice Plate	GB	UT3SP	HG	UT3SPH

GUSSET



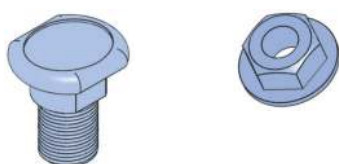
Description	Finish	Part No.	Finish	Part No.
Tray Gusset	GB	N/A	HG	UT3TGH

CENTRE HOLD DOWN CLAMP



Description	Finish	Part No.	Finish	Part No.
Centre Down Clamp	GB	UTCHD	HG	UTCHDH

HARDWARE



Description	Finish	Part No.	Finish	Part No.
UNITRAY UT3 & 5 Nut & Bolt Pack 40	ZP	UT940	HG	UT940MG

UNISTRUT® UNI-TRAY® CABLE TRAY

UT5 UNI-TRAY®

UT5 is available in differing finishes with 85mm side height, 3 metres in length and a variety of widths to meet all your application needs.

FINISHES

Galvabond (GB)

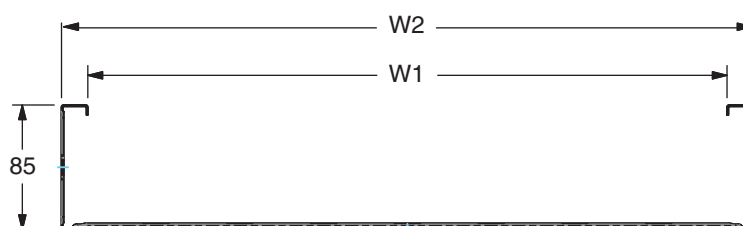
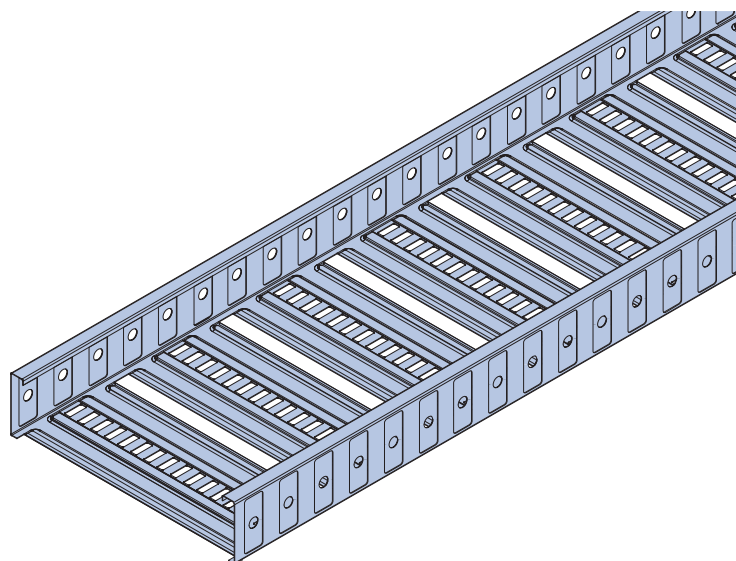
Base material is supplied ex the Steel Mill in pre-galvanised finish, in accordance with AS/NZS 1397, with a coating class of Z275. The material is slit to width, punched, and formed in the UNI-TRAY® profile.

Heavy Duty Galvanised (HG)

Coatings are applied generally in accordance with AS/NZS 4680. The thickness of the coating is dependent on the material thickness of the component being galvanised. It should be noted that due to the galvanising process, the thickness of the coating will vary over the surface and should be taken into account during component assembly. It may be necessary to remove excess build-up prior to use.

Other - Powder Coated (PC)

When specific applications require other commercially available finishes, they can be supplied according to specification.



GB Code	Cable Laying Width mm "W1"	Overall Width mm "W2"	Cable Laying Depth mm	Length mm	Overall Height mm
UT5-150	150	172	80	3000	85
UT5-300	300	322	80	3000	85
UT5-450	450	472	80	3000	85
UT5-600	600	622	80	3000	85

Basic Load 75kgs/Linea Meter on 3.0 meter span.

Deflections mm

	8mm	10mm	15mm	22mm
Span 1.5 meters				
Span 2.0 meters				
Span 2.4 meters				
Span 3.0 meters				

Allowable Load

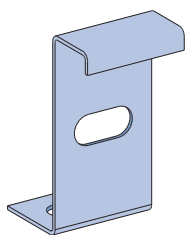
220kg/m 130kg/m 100kg/m 75kg/m

Note: The deflections have been provided as a guide based on CONTINUOUS spans.

UNISTRUT®

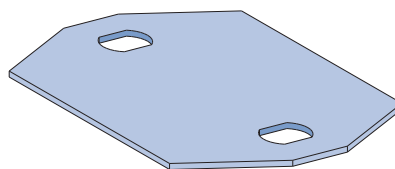
UT5 ACCESSORIES

HOLD DOWN BRACKET



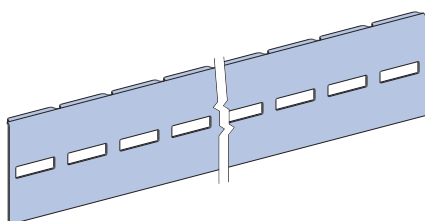
Description	Finish	Part No.	Finish	Part No.
Hold Down Bracket	GB	UT5HDB	HG	UT5HDBH

LINK PLATE



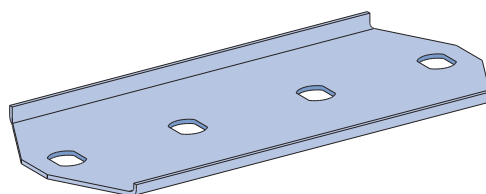
Description	Finish	Part No.	Finish	Part No.
Link Plate	GB	UT5LP	HG	UT5LPH

RADIUS PLATE



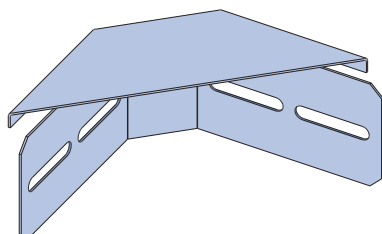
Description	Finish	Part No.	Finish	Part No.
Radius Plate 3000mm	GB	UT5RP	HG	UT5RPH

SPLICE PLATE



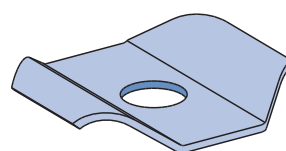
Description	Finish	Part No.	Finish	Part No.
Splice Plate	GB	UT5SP	HG	UT5SPH

GUSSET



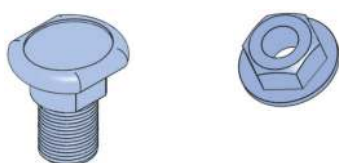
Description	Finish	Part No.	Finish	Part No.
Tray Gusset	GB	n/a	HG	UT5TGH

CENTRE HOLD DOWN CLAMP



Description	Finish	Part No.	Finish	Part No.
Centre Down Clamp	GB	UTCHD	HG	UTCHDH

HARDWARE



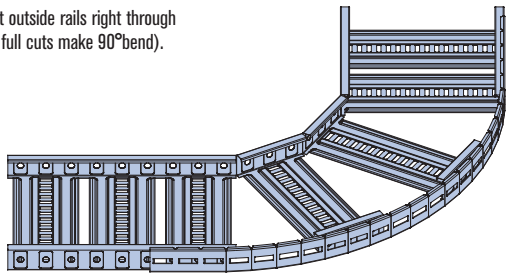
Description	Finish	Part No.	Finish	Part No.
UNISTRUT UT3 & 5 Nut & Bolt Pack 40	ZP	UT940	HG	UT940MG

UNISTRUT®

UNI-TRAY® – RAPID ON-SITE FABRICATION ASSEMBLIES

UNI-TRAY® BEND

Cut outside rails right through
(3 full cuts make 90° bend).

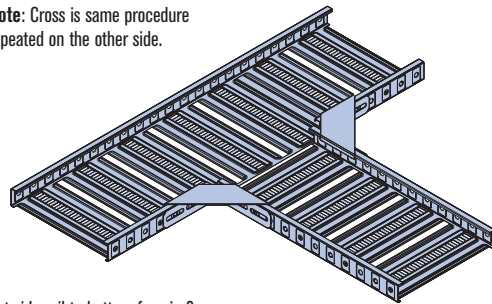


Cut inside rails at top and
bottom flanges only.

Form bendside to suit and cut to length before
fixing to tray with standard joining hardware.

UNI-TRAY® T-X BRACKET

Note: Cross is same procedure
repeated on the other side.



Cut side rail to bottom face in 2
places to suit tray width (flatten
side down or cut off with snips).

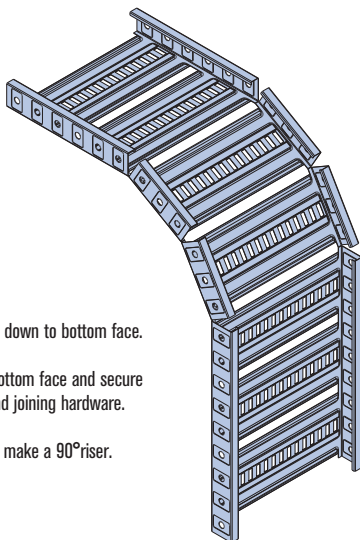
Fix 2 T-X brackets to both
trays using joining hardware.

UNI-TRAY® EXTERNAL RISER

Cut both side rails down to bottom face.

Bend tray along bottom face and secure
with link plates and joining hardware.

3 cuts in each rail make a 90° riser.

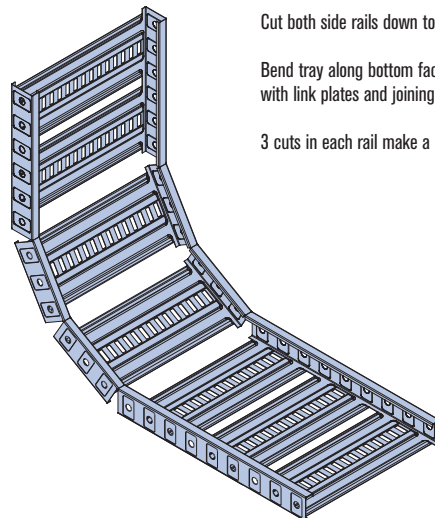


UNI-TRAY® INTERNAL RISER

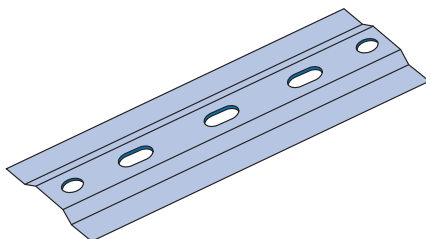
Cut both side rails down to top face.

Bend tray along bottom face and secure
with link plates and joining hardware.

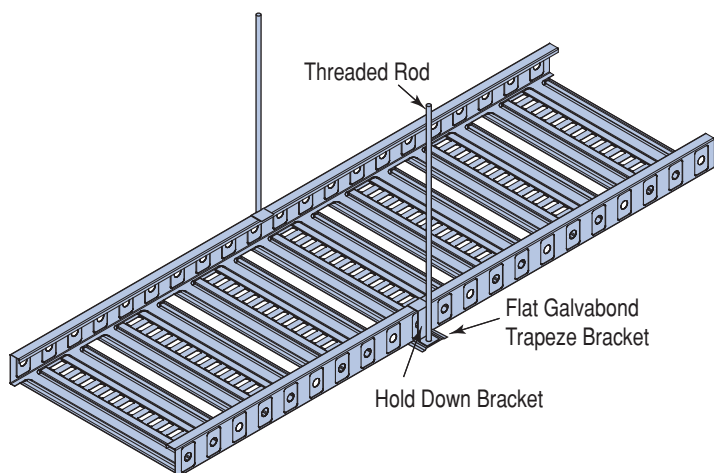
3 cuts in each rail make a 90° riser.



TB – LIGHT DUTY TRAPEZE BRACKET



Part No.	Designation	Actual Size
TB150	Trapeze Bracket for UNI-TRAY® 150mm	225mm
TB300	Trapeze Bracket for UNI-TRAY® 300mm	375mm
TB450	Trapeze Bracket for UNI-TRAY® 450mm	525mm
TB600	Trapeze Bracket for UNI-TRAY® 600mm	675mm



UNISTRUT®

ROLLED EDGE CABLE TRAY & ACCESSORIES

Standard Finish:

Galvabond. Also available in: Heavy Duty Galvanised, Powder Coated, Aluminium and 304 & 316 Stainless Steel.

Standard Length:

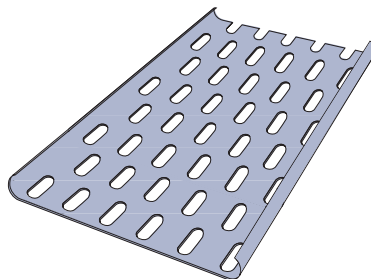
3 metres in Galvabond, Heavy Duty Galvanised and Powder Coated. 2.4 metres in Aluminium and Stainless Steel.

Nominal Standard Widths:

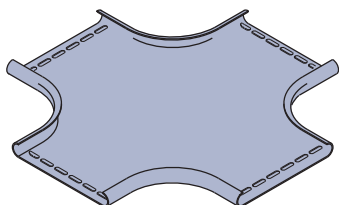
50, 100, 150, 200, 300, 450

Note: When ordering please specify the type of metal finish preferred.

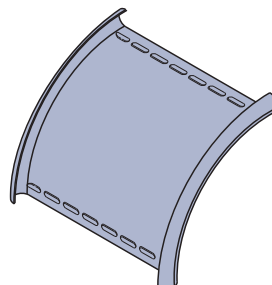
ROLLED EDGE CABLE TRAY



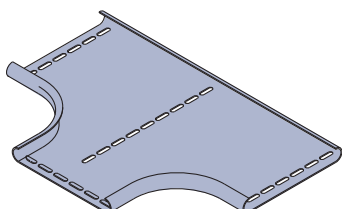
FLAT CROSS



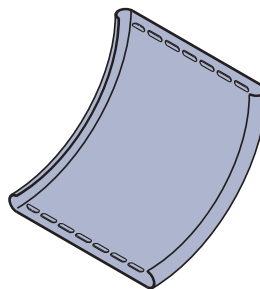
EXTERNAL RISER



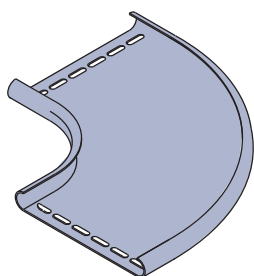
TEE-EQUAL



INTERNAL RISER



BEND 90°



REDUCER

