



BURN[®]



METALLIC CABLE PROTECTION SYSTEM

HOT DIPPED GALVANISED CONDUITS

METALLIC CONDUITS & FITTINGS

ADAPTABLE BOXES

FLEXIBLE CONDUITS

SWITCH & SOCKET BOXES

BRITISH STANDARD



Registration Certificate

This is to certify that
the Management Systems of

ROYAL STEEL INDUSTRY CO.,LTD.

have been assessed by AJA Registrars and registered
against the requirements of

ISO 9001:2008

Certificate No: AJA99/1408 Date of Original Registration: 24.06.99
Re-Registration Due: 26.11.14 Date of Re-Registration: 26.11.11



Registries *Timothy Dean*
Joint Chief Executives, AJA Registrars



This certificate is issued in respect of the locations & scope of registration detailed in the Associated Registration Schedule.
This certificate has been issued by AJA Registrars Limited Unit 6 Gordano Court Gordano Gate Business Park Sebert Close Porthhead Bristol UK BS20 7FS

Test Report



Report No	286/7050751	This Report consists of 6 pages
Client	Royal Steel Industry Co Ltd 1/115 Moo 2 Amphoe Muang Samut Sakorn 74000 Thailand	
Authority & date	BSI Product Services Quotation Acceptance Form No BSI 0000090817 Dated 22 May 2007	
Items tested	Metallic Conduit Fittings	
Specification	BS EN 61386-21:2004 Clauses 7.1, 8.1, 8.2, 9.1, 10.3, 10.7, 10.8, 11.2, 14.1.1 and 14.2.2.3 Independent Test	
Results	See Summary of Results on Page 2	
Prepared by	G R Essam	Principal Engineer
Authorized by	D Mackie	Senior Engineer
Issue Date	12 September 2007	
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of PS082 'General conditions relating to acceptance of testing. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the Managing Director, BSI Product Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.	

BSI Product Services Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ Telephone: 08450 765600

Test Report



Report No	286/7080985	This Report consists of 6 pages
Client	Royal Steel Industry Co Ltd 1/115 Moo 2 Amphoe Muang Samut Sakorn 74000 Thailand	
Authority & date	Quotation acceptance from client reference BSI 0000095335 Dated 6 August 2007	
Items tested	Galvanised Steel Conduits	
Specification	BS EN 61386-21:2004 Clauses 8.1, 9.1, 10.2, 10.3, 10.4, 10.7, 11.5 and 14.2.2 Independent Test	
Results	See Summary of Results on Page 2	
Prepared by	D Sheridan-Wallis	Test Engineer
Authorized by	G R Essam	Principal Engineer
Issue Date	18 September 2007	
Conditions of issue	This Test Report is issued subject to the conditions stated in current issue of PS082 'General conditions relating to acceptance of testing. The results contained herein apply only to the particular sample/s tested and to the specific tests carried out, as detailed in this Test Report. The issuing of this Test Report does not indicate any measure of Approval, Certification, Supervision, Control or Surveillance by BSI of any product. No extract, abridgement or abstraction from a Test Report may be published or used to advertise a product without the written consent of the Managing Director, BSI Product Services, who reserves the absolute right to agree or reject all or any of the details of any items or publicity for which consent may be sought.	

BSI Product Services Maylands Avenue Hemel Hempstead Hertfordshire HP2 4SQ Telephone: 08450 765600

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- ADAPTABLE BOXES

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- SWITCH & SOCKET BOXES

BURN A Global Brand Epitomizing Quality

THE QUALITY

BURN range of conduits and fittings listed in this brochure is manufactured by Royal Steel Industry Co., Ltd. under a certified BS EN ISO 9001 system. ISO 9001 system integrates a complete set of working practices encompassing disciplines and procedures that are carefully adhered to, from raw material inspection right through to the final dispatch.

To ensure similar quality products from our appointed suppliers, rigorous inspection procedures and controls are also applied.

Hence, all BURN products satisfy a uniform standard of quality and reliability.

STANDARDS

BURN products are manufactured in accordance with the following British Standards.

STEEL CONDUITS COMPLY WITH

- BS 4568 Part 1 : 1970, BS EN 61386 - 21 : 2004
- BS EN 50086-1 : 1994
- BS EN 50086-2 : 1996

FITTINGS & ACCESSORIES COMPLY WITH

- BS 4568 Part 2 : 1970, BS EN 61386 - 21 : 2004
- BS EN 50086-1 : 1994
- BS EN 50086-2 : 1996

FLEXIBLE CONDUIT MANUFACTURED TO

- BS 731 Part 1, BS EN 61386 - 23 : 2004

SWITCH & SOCKET BOXES MANUFACTURED TO

- BS 4662

Also available :

- a) Rigid Steel Conduit To ANSI C80.1-1983 (UL E306029)
- b) Intermediate Metal Conduit To ANSI C80.6-1983 (UL E211593)
- c) Electrical Metallic Tubing To ANSI C80.3-1983 (UL E306028)

CONDUIT PRODUCT FEATURES

- Highest grade of steel for mechanical strength.
- Well-controlled internal beads essential for wire pulling and resistant to snagging.
- Threading in compliance to BS specification. The conduits are supplied with a coupling screwed on one end and a protective colour coded cap at the other end to prevent damage.
- Rigorous quality control procedures to ensure process and product consistency.

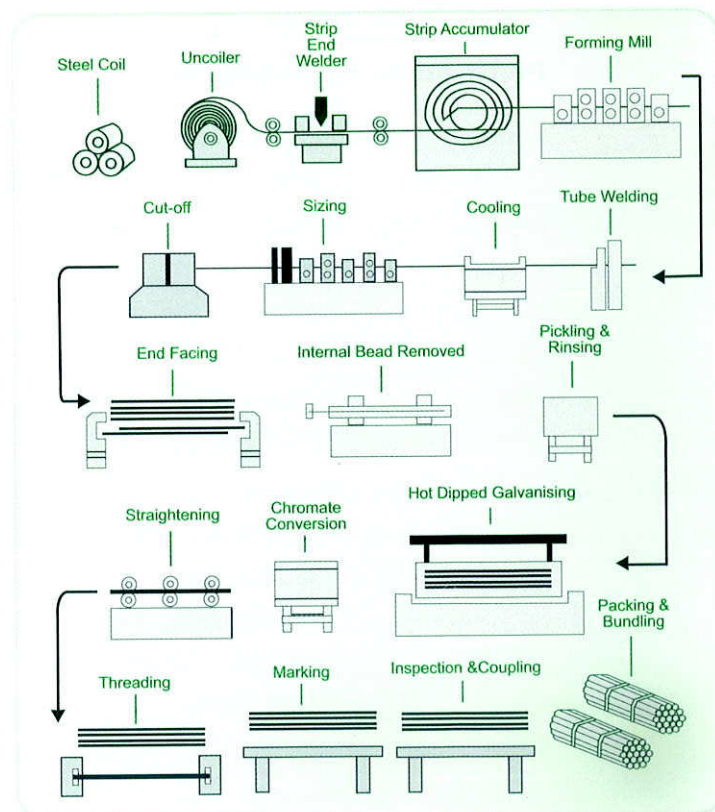
MAXIMUM CORROSION PREVENTION

All BURN conduits are hot dipped galvanised with more than 60 microns of zinc coating. To protect the zinc coating from white rust, the surface is treated with chromate solution. BURN conduits are of the highest grade able to withstand extreme conditions. They are ideal for heavy industries like oil and gas, petrochemical and infrastructure projects like airports, underground transport, seaports, commercial and residential buildings.

THE SERVICE

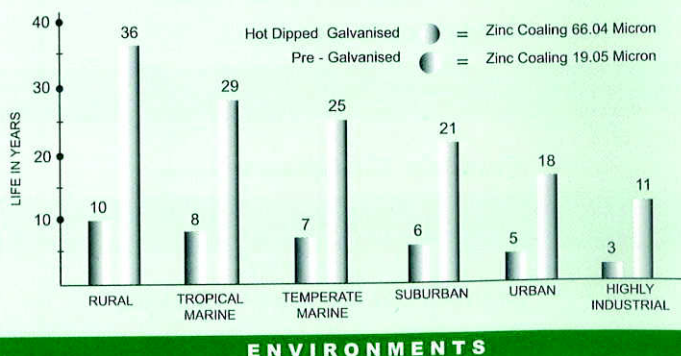
BURN is a global brand with dedicated and well trained sales personnel in technical knowledge. We are geared to provide sound product solutions to our clients worldwide. Together with our comprehensive Supply Chain Management, the group provides efficient freight shipping scheduling globally.

CONDUIT MANUFACTURING PROCESS



COMPARISON OF HOT DIPPED GALVANISED AND PRE-GALVANISED COATING IN VARIOUS ENVIRONMENTS

Anticipated Life Of Zinc Coating In Various Atmospheric Environments



NOTE : REFERENCE

1. Pre-Galvanised Zinc (ASTM A525 Coating Designation G90)
2. Hot Dipped Galvanised After Fabrication ASTM A123 (Formerly A386)

BS 4568 Part 1 : 1970, BS EN 50086-1 : 1994, BS EN 61386 - 21 : 2004

HOT DIPPED GALVANISED INSIDE AND OUTSIDE - CLASS 4

Item Code	Outside Diameter (mm)	Wall Thickness (mm)	Minimum Weight Per Length With Coupling (kgs)
C-BN-B020H	20	1.6	2.90
C-BN-B025H	25	1.6	3.80
C-BN-B032H	32	1.6	5.50

- Standard Length : 3.75 metre
- Threaded both ends. One end fitted with coupling and the other protected by plastic end cap

CABLE CAPACITIES OF CONDUIT

The following tables provide calculation of the number of single-core p.v.c. insulated cables which can be located in various sizes of conduit.

The tables deal with two particular cases.

i) Single-core p.v.c. insulated cables in straight runs not exceeding 3 metres in length.

ii) Single-core p.v.c. insulated cables in straight runs exceeding 3 metres in length or in runs of any length with bends or sets.

Type of conductor	Conductor cross-sectional area (mm ²)	Factor
Solid	1	22
	1.5	27
	2.5	39
Stranded	1.5	31
	2.5	43
	4	58
	6	88
	10	146

Table 1 Cable factors for short straight runs
These tables are based on the 16th edition of the I.E.E. Wiring Regulations Appendix 12.

Straight Runs Not Exceeding 3 Metres In Length

Refer to Table 1 to obtain the cable factor for each type of cable being used. Sum all the cable factors and compare with the conduit factors given in Table 2.

The conduit size which will accommodate the cables are those with a conduit factors equal to or greater than the sum of the cable factors.

Straight Runs Exceeding 3 Metres In Length Or Runs Of Any Length Incorporating Bends Or Sets

Refer to Table 3 to obtain the cable factor for each type of cable being used. Sum all the cable factors and compare with conduit factors given in Table 4 for the relevant length of run and the number of bends and sets in that run.

The conduit sizes which will accommodate the cables are those with a conduit factors equal to or greater than the sum of the cable factors.

Conduit Ø (mm)	Factor
16	290
20	460
25	800
32	1400

Table 2 Conduit factors for short straight runs

Type of conductor	Conductor cross-sectional area (mm ²)	Factor
Solid or Stranded	1	16
	1.5	22
	2.5	30
	4	43
	6	58
	10	105

Table 3 Cable factors for long straight runs, or runs incorporating bends.

SPACING OF SUPPORTS FOR CONDUITS

The following table provide guidance on the support spacing for conduits.

- This table is based on the 16th edition of the I.E.E. Wiring Regulations Appendix II.

- These tables are for guidance only and account needs to be taken of future Wiring needs.

Nominal size of conduit (mm)	Maximum distance between supports	
	Horizontal runs (m)	Vertical runs (m)
16	0.75	1.0
17-25	1.75	2.0
26-40	2.0	2.25
Over 40	2.25	2.5

Length of run Metres	CONDUIT DIAMETER (MM)															
	16	20	25	32	16	20	25	32	16	20	25	32	16	20	25	32
	Straight				One bends				Two bends				Three bends			
1	Cover by Tables I and 2				188	303	543	947	177	286	514	900	158	256	463	818
1.5					182	294	528	923	167	270	487	857	143	233	422	750
2					177	286	514	900	158	256	463	818	130	213	388	692
2.5					171	278	500	878	150	244	442	783	120	196	358	643
3					167	270	487	857	143	233	422	750	111	182	333	600
3.5	179	290	521	911	162	263	475	837	136	222	404	720	103	169	311	563
4	177	286	514	900	158	256	463	818	130	213	388	692	97	159	292	529
4.5	174	282	507	889	154	250	452	800	125	204	373	667	91	149	275	500
5	171	278	500	878	150	244	442	783	120	196	358	643	86	141	260	474
6	167	270	487	857	143	233	422	750	111	182	333	600				
7	162	263	475	837	136	222	404	720	103	169	311	563				
8	158	256	463	818	130	213	388	692	97	159	292	529				
9	154	250	452	800	125	204	373	667	91	149	275	500				
10	150	244	442	783	120	196	358	643	86	141	260	474				

Table 4 Conduit factors for runs incorporating bends.

BOXES-CIRCULAR, SMALL



TERMINAL

Item Code	Size (mm)	Pack Qty (pcs)
BN-L101	20	100
BN-L301	25	100

Material : Malleable Iron

Finish : Hot Dipped Galvanised

- 60.3mm Internal Diameter x 25mm deep for 20mm and 28mm deep for 25mm.

- Tapped M4 at 50.3 mm. With tapped hold in base for earthing screw.

- Supplied without covers or fixing screws unless ordered.

ANGLE

Item Code	Size (mm)	Pack Qty (pcs)
BN-L102	20	100
BN-L302	25	100



ANGLE WITH BACK OUTLET

Item Code	Size (mm)	Pack Qty (pcs)
BN-L122	20	100
BN-L322	25	100



THROUGH

Item Code	Size (mm)	Pack Qty (pcs)
BN-L103	20	100
BN-L303	25	100



THROUGH WITH BACK OUTLET

Item Code	Size (mm)	Pack Qty (pcs)
BN-L123	20	100
BN-L323	25	100

TEE

Item Code	Size (mm)	Pack Qty (pcs)
BN-L104	20	100
BN-L304	25	100



TEE WITH BACK OUTLET

Item Code	Size (mm)	Pack Qty (pcs)
BN-L124	20	100
BN-L324	25	100



INTERSECTION

Item Code	Size (mm)	Pack Qty (pcs)
BN-L105	20	100
BN-L305	25	10



INTERSECTION WITH BACK OUTLET

Item Code	Size (mm)	Pack Qty (pcs)
BN-L125	20	100
BN-L325	25	100

BACK OUTLET

Item Code	Size (mm)	Pack Qty (pcs)
BN-L120	20	100
BN-L320	25	100



TERMINAL WITH BACK OUTLET

Item Code	Size (mm)	Pack Qty (pcs)
BN-L121	20	100
BN-L321	25	100



BRANCH TWO WAY (U)

Item Code	Size (mm)	Pack Qty (pcs)
BN-L106	20	100
BN-L306	25	100



BRANCH THREE WAY (Y)

Item Code	Size (mm)	Pack Qty (pcs)
BN-L109	20	100
BN-L309	25	100



TWIN THROUGH WAY (H)

Item Code	Size (mm)	Pack Qty (pcs)
BN-L107	20	100
BN-L307	25	100



BOXES-CIRCULAR, LARGE

Material : Malleable Iron
 Finish : Hot Dipped Galvanised
 - 81mm Internal Diameter x 38mm deep
 - Tapped M4 at 71.5mm centres. With tapped hold in base for earthing screw.
 - Supplied without covers or fixing screws unless ordered.



TERMINAL

Item Code	Size (mm)	Pack Qty (pcs)
BN-L501	32	50

THROUGH

Item Code	Size (mm)	Pack Qty (pcs)
BN-L503	32	50



INTERSECTION

Item Code	Size (mm)	Pack Qty (pcs)
BN-L505	32	50

BRANCH THREE WAY (Y)

Item Code	Size (mm)	Pack Qty (pcs)
BN-L509	32	50



ANGLE

Item Code	Size (mm)	Pack Qty (pcs)
BN-L502	32	50

TEE

Item Code	Size (mm)	Pack Qty (pcs)
BN-L504	32	50



BRANCH TWO WAY (U)

Item Code	Size (mm)	Pack Qty (pcs)
BN-L506	32	50

TWIN THROUGH WAY (H)

Item Code	Size (mm)	Pack Qty (pcs)
BN-L507	32	50



BOXES-CIRCULAR, SMALL (SPECIAL DEEP)

Material : Malleable Iron
 Finish : Hot Dipped Galvanised
 - 60.3mm Internal diameter x 62mm deep
 - Tapped M4 at 50.8mm centres. With tapped hold in base for earthing screw.
 - Supplied without covers or fixing screws unless ordered.

TERMINAL

Item Code	Size (mm)	Pack Qty (pcs)
BN-H116	20	50



THROUGH

Item Code	Size (mm)	Pack Qty (pcs)
BN-H118	20	50

INTERSECTION

Item Code	Size (mm)	Pack Qty (pcs)
BN-H120	20	50



ANGLE

Item Code	Size (mm)	Pack Qty (pcs)
BN-H117	20	50



TEE

Item Code	Size (mm)	Pack Qty (pcs)
BN-H119	20	50

BOXES-LOOPING IN

Material : Malleable Iron
 Finish : Hot Dipped Galvanised

LOOPING IN BOX

Item Code	Size (mm)	Pack Qty (pcs)
BN-L110-1	for 20	120
BN-L110-2		120
BN-L110-3		120
BN-L110-4		120



RINGS



CIRCULAR BOX EXTENSION RING

Material : Malleable Iron
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-L111	for 20 & 25	120

Height : 38 mm



DOMELID

Material : Malleable Iron
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-D146	20	300
BN-D145	25	300

COVERS



BALL AND SOCKET, EARTHED

Material : Malleable Iron
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-D149	20	200
BN-D150	25	300

CIRCULAR BOX COVER - SMALL

Material : Steel (1.2mm thick)
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-C291	for 20 & 25	1,000

Material : Steel (0.75mm thick)
Finish : Pre-Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-C191	for 20 & 25	1,000



CIRCULAR BOX COVER - LARGE

Material : Steel (1.2mm thick)
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-C299	32	500

Material : Steel (0.75mm thick)
Finish : Pre-Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-C199	32	500



HOOK

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-D148	for 20 & 25	300



RUBBER GASKETS

FOR CIRCULAR BOX - SMALL

Item Code	Size (mm)	Pack Qty (pcs)
BN-B191	for 20 & 25	2,500



FOR CIRCULAR BOX - LARGE

Item Code	Size (mm)	Pack Qty (pcs)
BN-B199	32	500



COUPLING

COUPLING

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-C140	20	1,000
BN-C141	25	500
BN-C142	32	400



SHORT NIPPLE

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-B2033S	20	1,000
BN-B2536S	25	750

Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-B2033	20	1,000
BN-B2536	25	750



LONG NIPPLE - 300MM LONG

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-BD20300	20	100
BN-BD25300	25	75
BN-BD32300	32	50



FLANGE COUPLING WITH LEAD WASHER & LONG MALE BUSH

Material : Malleable Iron (for Flange Coupling & Lead Washer)
: Brass (Long Male Bush)
Finish : Hot Dipped Galvanised (for Flange Coupling & Lead Washer)



Item Code	Size (mm)	Pack Qty (pcs)
BN-C220	20	200
BN-C225	25	200
BN-C232	32	100

BENDS

Material : Malleable Iron
Finish : Hot Dipped Galvanised



INSPECTION ELBOW

Item Code	Size (mm)	Pack Qty (pcs)
BN-C121	20	100
BN-C221	25	100
BN-C321	32	50

INSPECTION BEND

Item Code	Size (mm)	Pack Qty (pcs)
BN-C122	20	100
BN-C222	25	100
BN-C322	32	50



INSPECTION TEE

Item Code	Size (mm)	Pack Qty (pcs)
BN-C123	20	100
BN-C223	25	100
BN-C323	32	50

90° NORMAL BEND, INTERNAL THREAD

Material : Steel
Finish : Hot Dipped Galvanised



Item Code	Size (mm)	Pack Qty (pcs)
BN-C124	20	100
BN-C224	25	60
BN-C324	32	50

BUSHES

Material : Brass

MALE BUSH - SHORT

Item Code	Size (mm)	Pack Qty (pcs)
BN-BB120S	20	2,000
BN-BB125S	25	1,000
BN-BB132S	32	1,000



MALE BUSH - LONG

Item Code	Size (mm)	Pack Qty (pcs)
BN-BB120L	20	2,000
BN-BB125L	25	1,000
BN-BB132L	32	500

FEMALE BUSH

Item Code	Size (mm)	Pack Qty (pcs)
BN-B272	20	3,000
BN-B273	25	3,000
BN-B274	32	1,500



PLUGS

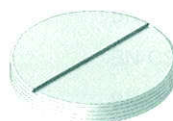
Material : Brass

STOPPING PLUG - HEXAGONAL HEAD



Item Code	Size (mm)	Pack Qty (pcs)
BN-BS120S	20	1,000
BN-BS125S	25	500
BN-BS132S	32	500

STOPPING PLUG - SLOTTED HEAD



Item Code	Size (mm)	Pack Qty (pcs)
BN-BS120R	20	2,000
BN-BS125R	25	1,000
BN-BS132R	32	500

REDUCERS



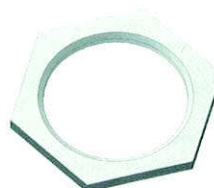
REDUCER Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-B401	20 x 25	1,000
BN-B402	32 x 25	300
BN-B403	20 x 32	500

LOCKNUT

HEXAGONAL LOCKNUT - LIGHT

Material : Steel
Finish : Hot Dipped Galvanised



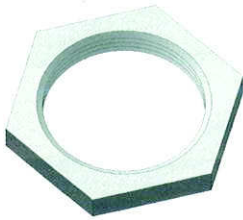
Item Code	Size (mm)	Pack Qty (pcs)
BN-L181S	20 x 3 (t)	3,000
BN-L182S	25 x 3 (t)	2,000
BN-L183S	32 x 3 (t)	1,500

Finish : Electro-Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-L181EG	20 x 3 (t)	3,000
BN-L182EG	25 x 3 (t)	2,000
BN-L183EG	32 x 3 (t)	1,500

HEXAGONAL LOCKNUT - HEAVY

Material : Malleable Iron
Finish : Hot Dipped Galvanised



Item Code	Size (mm)	Pack Qty (pcs)
BN-L184S	20 x 6 (t)	2,000
BN-L185S	25 x 6 (t)	1,000
BN-L186S	32 x 6 (t)	1,000

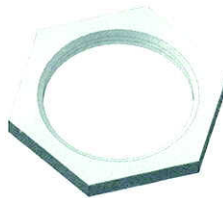
Finish : Electro-Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-L184EG	20 x 6 (t)	2,000
BN-L185EG	25 x 6 (t)	1,000
BN-L186EG	32 x 6 (t)	1,000

HEXAGONAL LOCKNUT

Material : Brass

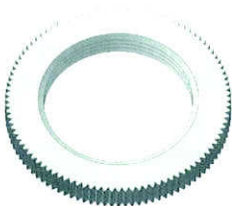
Item Code	Size (mm)	Pack Qty (pcs)
BN-BLN20	20	5,000
BN-BLN25	25	2,000
BN-BLN32	32	1,000



LOCKING RING

Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-BLR20	20	5,000
BN-BLR25	25	3,000
BN-BLR32	32	2,000



SADDLES

CRAMPET

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-CTSR16	16	5,000
BN-CTSR20	20	4,000
BN-CTSR25	25	3,000
BN-CTSR32	32	2,000



HALF SADDLE

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-SPH20HS	20	2,000
BN-SPH25HS	25	2,000
BN-SPH32HS	32	1,500

Material : Steel
Finish : Electro-Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-SPH20	20	2,000
BN-SPH25	25	2,000
BN-SPH32	32	1,500



PLAIN SADDLE

Material : Steel
Finish : Hot Dipped Galvanised

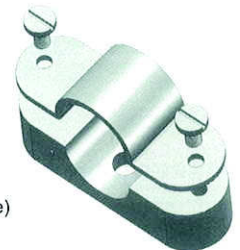
Item Code	Size (mm)	Pack Qty (pcs)
BN-SPO20HS	20	2,000
BN-SPO25HS	25	1,500
BN-SPO32HS	32	1,000

Material : Steel
Finish : Electro-Galvanised

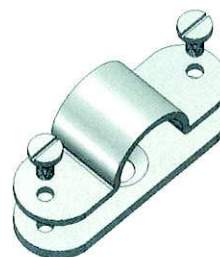
Item Code	Size (mm)	Pack Qty (pcs)
BN-SPO20	20	2,000
BN-SPO25	25	1,500
BN-SPO32	32	1,000

DISTANCE SADDLE

Material : Malleable Iron (for base)
: Steel (for cover)
Finish : Hot Dipped Galvanised



Item Code	Size (mm)	Pack Qty (pcs)
BN-SP20	20	500
BN-SP25	25	300
BN-SP32	32	200



BAR SADDLE

Material : Steel
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-SPS20HS	20	1,000
BN-SPS25HS	25	1,000
BN-SPS32HS	32	500

Material : Steel
Finish : Electro-Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-SPS20	20	2,000
BN-SPS25	25	2,000
BN-SPS32	32	500

ADAPTOR



MALE ADAPTOR WITH SCREW

Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-BB16MS	16x20	1,000
BN-BB20MS	20x20	1,000
BN-BB25MS	25x25	400
BN-BB32MS	32x32	200
BN-BB38MS	38x1½"	160
BN-BB50MS	50x2"	80

FEMALE ADAPTOR WITH SCREW

Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-BB16FS	16x20	1,000
BN-BB20FS	20x20	1,000
BN-BB25FS	25x25	400
BN-BB32FS	32x32	200
BN-BB38FS	38x1½"	160
BN-BB50FS	50x2"	80



MALE ADAPTOR WITHOUT SCREW

Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-BB20M	20x20	1,000
BN-BB25M	25x25	400
BN-BB32M	32x32	200



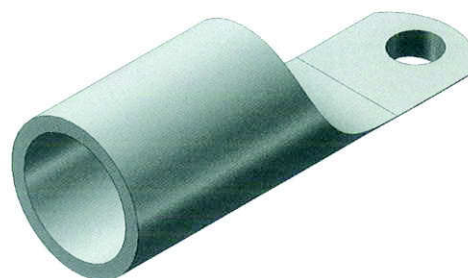
FEMALE ADAPTOR WITHOUT SCREW

Material : Brass

Item Code	Size (mm)	Pack Qty (pcs)
BN-BB20F	20x20	1,000
BN-BB25F	25x25	400
BN-BB32F	32x32	200



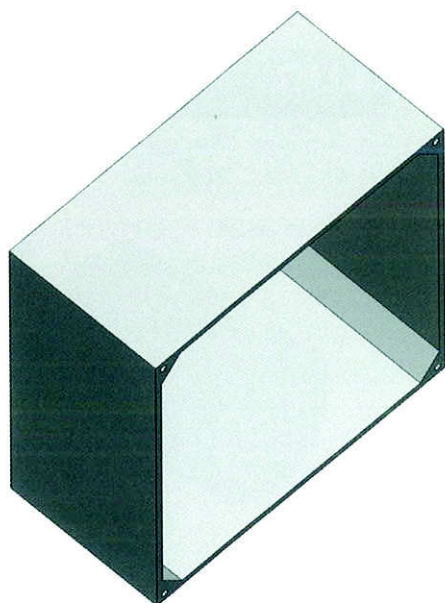
LUG



CABLE LUG

Material : Copper

Item Code	Size	Pack Qty (pcs)
BN-CSS003	2.5mm ²	25,000
BN-CSS004	4mm ²	20,000
BN-CSS006	6mm ²	8,000
BN-CSS010	10mm ²	5,000
BN-CSS016	16mm ²	5,000
BN-CSS025	25mm ²	2,500
BN-CSS035	35mm ²	2,000
BN-CSS050	50mm ²	1,500
BN-CSS070	70mm ²	900
BN-CSS095	95mm ²	600
BN-CSS120	120mm ²	400
BN-CSS150	150mm ²	300
BN-CSS185	185mm ²	250
BN-CSS240	240mm ²	200
BN-CSS300	300mm ²	80
BN-CSS400	400mm ²	85
BN-CSS500	500mm ²	50
BN-CSS630	630mm ²	20



ADAPTABLE BOXES

ADAPTABLE BOX WITH SCREW & COVER

Material : Cast Iron

Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (pcs)
BN-A152	75 x 75 x 50	50
BN-A153	100 x 100 x 50	40
BN-A475	100 x 100 x 75	20
BN-A154	150 x 150 x 75	10
BN-A155	225 x 225 x 75	5
BN-A156	300 x 300 x 75	5

ADAPTABLE BOX WITH SCREW & COVER

Material : Cast Iron (for adaptable box)

Steel (for cover)

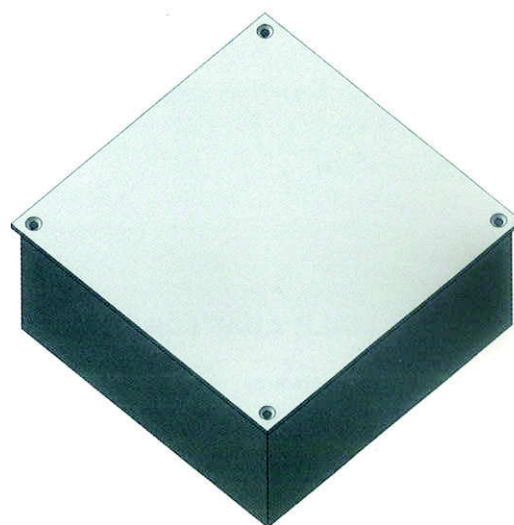
Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (sets)
BN-S152H	75 x 75 x 50	50
BN-S153H	100 x 100 x 50	40
BN-S475H	100 x 100 x 75	20
BN-S154H	150 x 150 x 75	10
BN-S155H	225 x 225 x 75	5
BN-S156H	300 x 300 x 75	5

Material : Steel

Finish : Hot Dipped Galvanised

Item Code	Size (mm)	Pack Qty (sets)
BN-KB075-37-HC	75 x 75 x 37.5	100
BN-KB075-50-HC	75 x 75 x 50	100
BN-KB100-37-HC	100 x 100 x 37.5	100
BN-KB100-50-HC	100 x 100 x 50	80
BN-KB100-75-HC	100 x 100 x 75	60
BN-KB150-75-HC	150 x 150 x 75	40
BN-KB150-100-HC	150 x 150 x 100	30
BN-KB225-100-HC	225 x 225 x 100	20



Material : Steel

Finish : Pre-Galvanised

Item Code	Size (mm)	Pack Qty (sets)
BN-KB075-37-SC	75 x 75 x 37.5	100
BN-KB075-50-SC	75 x 75 x 50	100
BN-KB100-37-SC	100 x 100 x 37.5	100
BN-KB100-50-SC	100 x 100 x 50	80
BN-KB100-75-SC	100 x 100 x 75	60
BN-KB150-75-SC	150 x 150 x 75	40
BN-KB150-100-SC	150 x 150 x 100	30
BN-KB225-100-SC	225 x 225 x 100	20

FLEXIBLE CONDUITS



FLEXIBLE CONDUIT WITH BLACK PVC

Material : Steel (for Flexible Conduit)

: PVC (for Sheath)

Finish : Electro-Galvanised

(for Flexible Conduit)

Item Code	Size (mm)	Pack Qty (metres)
BN-KSPS20	20	30
BN-KSPS25	25	30
BN-KSPS32	32	25

FLEXIBLE CONDUIT WITHOUT BLACK PVC

Material : Steel

Finish : Electro-Galvanised

Item Code	Size (mm)	Pack Qty (metres)
BN-KSM20	20	30
BN-KSM25	25	30
BN-KSM32	32	25

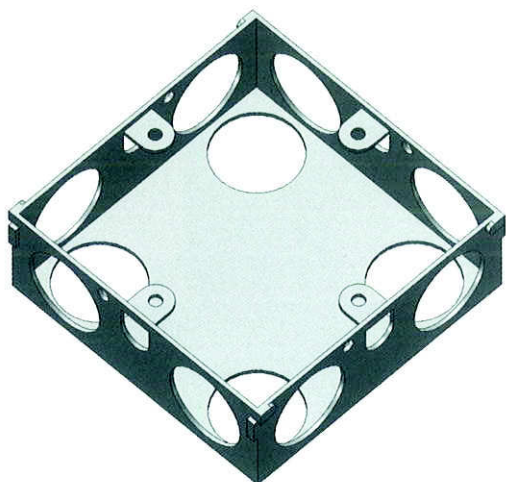


SWITCH & SOCKET BOXES

ONE GANG

Material : Steel Plate

Finish : Pre-Galvanised



Item Code	Size (mm) (l x w x h x t)	K/O's
BN-P12510	70 x 70 x 25 x 1.0	12 x 20mm
BN-P13508	70 x 70 x 35 x 0.8	7 x 20mm, 4 x 25mm
BN-P13509	70 x 70 x 35 x 0.9	7 x 20mm, 4 x 25mm
BN-P13510	70 x 70 x 35 x 1.0	7 x 20mm, 4 x 25mm
BN-P13511	70 x 70 x 35 x 1.1	7 x 20mm, 4 x 25mm
BN-P13512	70 x 70 x 35 x 1.2	7 x 20mm, 4 x 25mm
BN-P14708	70 x 70 x 47 x 0.8	9 x 20mm, 1 x 25mm
BN-P14709	70 x 70 x 47 x 0.9	9 x 20mm, 1 x 25mm
BN-P14710	70 x 70 x 47 x 1.0	9 x 20mm, 1 x 25mm
BN-P14711	70 x 70 x 47 x 1.1	9 x 20mm, 1 x 25mm
BN-P14712	70 x 70 x 47 x 1.2	9 x 20mm, 1 x 25mm

* All above come with one brass earth terminal, one adjustable and three fixed lug

TWO GANG

Material : Steel Plate

Finish : Pre-Galvanised

Item Code	Size (mm) (l x w x h x t)	K/O's
BN-P22510	130 x 70 x 25 x 1.0	16 x 20mm
BN-P23508	130 x 70 x 35 x 0.8	13 x 20mm, 3 x 25mm
BN-P23509	130 x 70 x 35 x 0.9	13 x 20mm, 3 x 25mm
BN-P23510	130 x 70 x 35 x 1.0	13 x 20mm, 3 x 25mm
BN-P23511	130 x 70 x 35 x 1.1	13 x 20mm, 3 x 25mm
BN-P23512	130 x 70 x 35 x 1.2	13 x 20mm, 3 x 25mm
BN-P24708	130 x 70 x 47 x 0.8	10 x 20mm, 6 x 25mm
BN-P24709	130 x 70 x 47 x 0.9	10 x 20mm, 6 x 25mm
BN-P24710	130 x 70 x 47 x 1.0	10 x 20mm, 6 x 25mm
BN-P24711	130 x 70 x 47 x 1.1	10 x 20mm, 6 x 25mm
BN-P24712	130 x 70 x 47 x 1.2	10 x 20mm, 6 x 25mm



* All above come with one brass earth terminal, one adjustable and one fixed lug



BURN[®]
Conduit & Fittings

UNITED U-LI PROJECTS PTE LTD
1801 Geylang Bahru Block 7B
Kallang Distripark Singapore 339709
Tel: 6392 4313 Fax: 6392 4428



ROYAL STEEL INDUSTRY CO., LTD.

1/115 Moo. 2, T. Tasai, A. Muang, Samutsakorn 74000 Thailand
Tel : +66 (34) 490100-2 Fax : +66 (34) 490103
E-mail : info@royalsteel.co.th
www.royalsteel.co.th





Steel Surface Cable Trunking
Steel Perforated Cable Tray
Steel Cable Ladder



PSB Singapore

TEST CERTIFICATE

This Certificate is issued to

United U-LI Projects Pte Ltd
1801 Geylang Bahru
Block 7B
Kallang Distripark
Singapore 339709

FOR

Product: Steel Surface Cable Trunking and Accessories
Brand: U-LI
Detail: Refer to appendix (1 page)
Classification: Class 1
Colour: Orange, White, Ivory, Mid Grey, Red, & Yellow
Specification: SS 249 : 1981 with Amendment 1
Test Report: a) 7191016538-EEC11/01-SYG dated 19 Oct 2011
b) 7191016538-CHM11/02-PGK(EEC) dated 12 Oct 2011

Summary

A sample of each product size has been tested and is found to meet with the requirements of the above standard.

Vice President (Electrical & Electronics Centre)
TÜV SÜD PSB Pte Ltd

Certificate No:	Date of Original Issue:	Date of Last Revision:	Date of Expiry:
02711	20/10/2011		19/10/2013

This Certificate is part of a full report and should be read in conjunction with it. This Certificate remains the property of TÜV SÜD PSB Pte Ltd and shall be returned upon request. The use of this Certificate is subjected to the terms and conditions of the Test Certification Scheme.

Note: This Certificate is not a Certificate of Conformity.

Table of Contents

ULI™ Steel Surface Cable Trunking

Type: UL/TG/ST 4

ULI™ Steel Perforated Cable Tray

Type: UL/TU/ST/IA 13

Type: UL/TT or TC/ST 19

Type: UL/TR/ST 21

ULI™ Steel Cabel Ladder

Type: UL/LZ/ST 31

Type: UL/LN/ST 32

Type: UL/LG/ST 33

ULI™ Steel Marine Ladder

Type: UL/MR/ST 38

Company Background



History

Since its modest beginning in 1983, United U-LI Corporation has developed into a prominent and respected supplier of cable management and structural support systems in the ASEAN region.

In April 2002, the company was listed in the Kuala Lumpur Stock Exchange, thus, being the first company in the cable support industry in Malaysia to do so.

When we are

Located in Balakong, Selangor, the three-acre factory is well-equipped with state-of-the-art machinery to provide guaranteed internationally approved products to customers. Operating through its sales office in Selangor, Johor Bahru and agents in Singapore, the company is now able to provide sales and technical services throughout the ASEAN region.

What we do

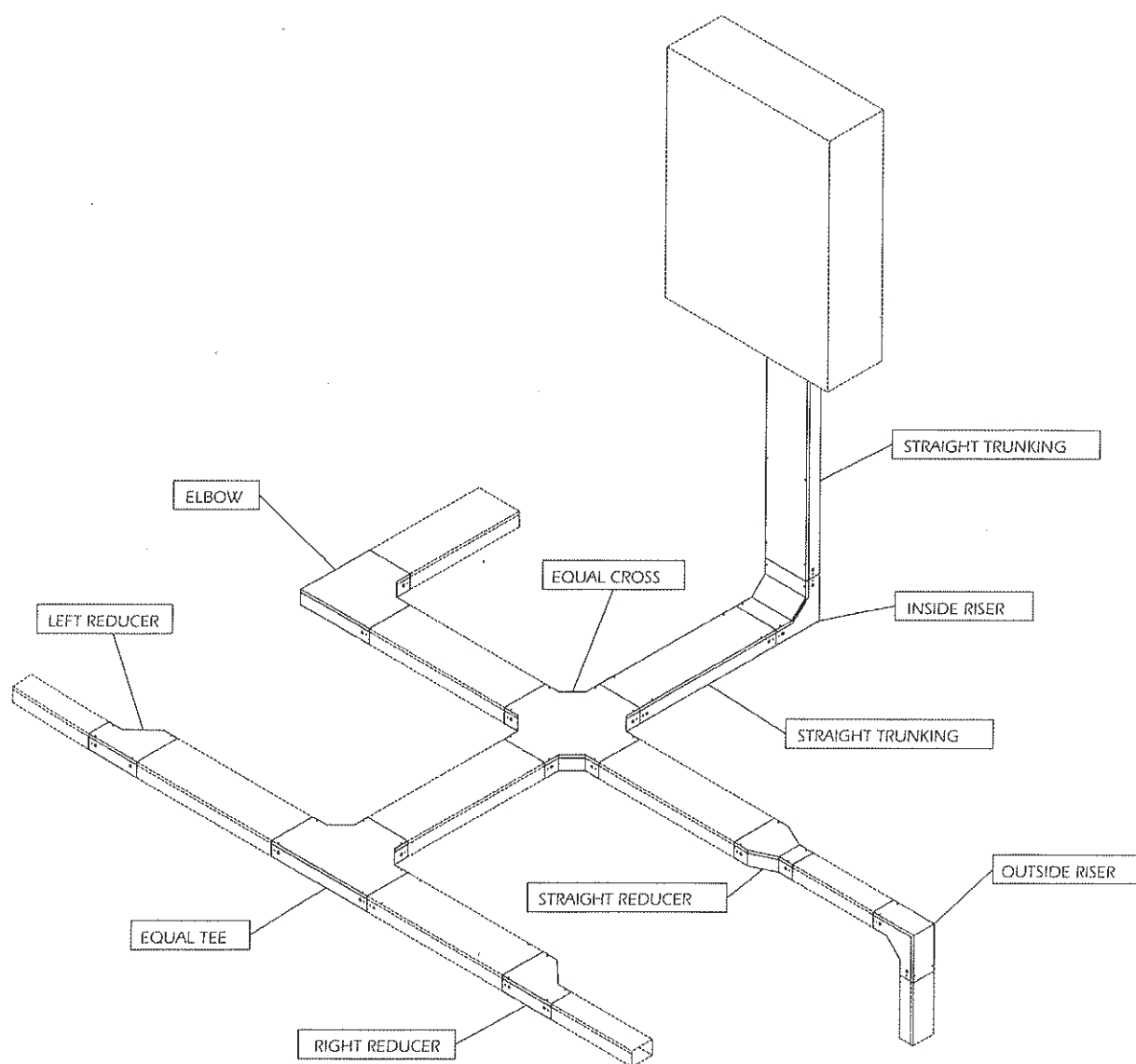
United U-LI is the leading manufacturer of cable support systems in Malaysia. We specialize in the design and manufacturing of a wide range of cable support systems. Our products are designed and manufactured under the Quality Systems that complies with the ISO 9001:2000 and Sirim Quality System. United U-LI's cable support system also meets the required International Standards such as BS4678, SS249:1998 and NEMA-VE1.

Projects

Over the years, products manufactured by United U-LI have been widely used in the various sectors of economics such as International Airports, Petrochemical, Waterworks, Commercial Buildings, Power Plants and Railway transport systems. Being a reputed company and a reliable supplier is further manifested by the ability to supply to International companies such as Alstom Pacific, Alstom UK, Bechtel US, ABB, Siemens, Sime Darby Group and many others.

Steel Surface Cable Trunking

U-LI™ range of Steel Surface Cable Trunking, Cable Ducting and Accessories

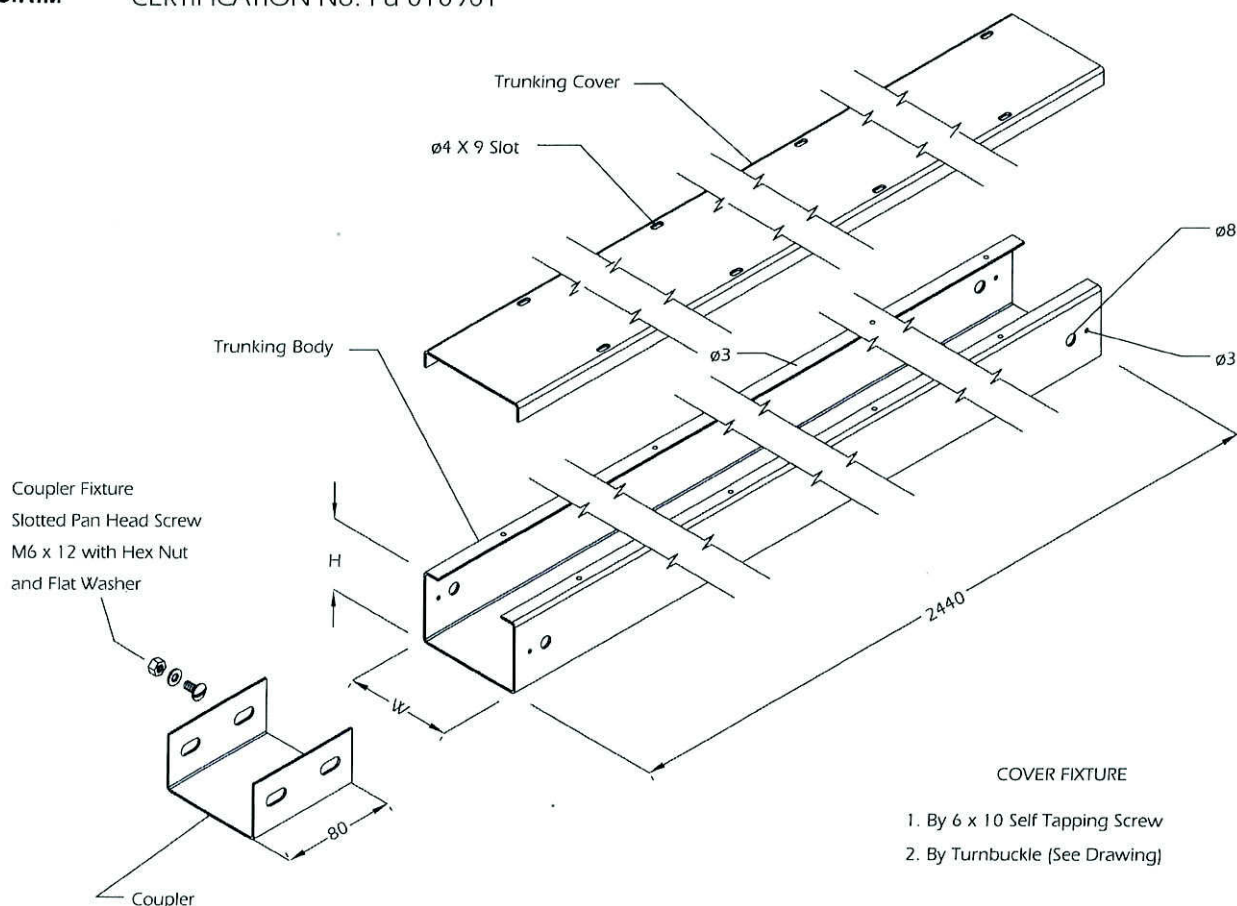


Steel Surface Cable Trunking-Straight



Type: UL/TG/ST

United U-Li Steel Surface Cable Trunking and Accessories are Certified to SS 249:1981 (Part BS 4678) by SIRIM QAS International Sdn Bhd
CERTIFICATION No: Pu 010901



TYPE 1	SPECIFICATION	CLASSIFICATION	PROTECTION	MATERIAL COATING	FINISH (BOTH SIDES)
Manufactured to SS 249 : 1981	SS 249:1981	Class 1	Medium	Electro Galvanised to BS 1706/Zn 2	Epoxy Powder Coated
	SS 249:1981	Class 2	Heavy	Pre-Galvanised to BS 2989. Grade Z 275	Epoxy Powder Coated
TYPE 2	SPECIFICATION	CLASSIFICATION	PROTECTION	MATERIAL COATING	FINISH
Manufactured to BS 4678: Part 1:1971	BS 4678: Pt1:1971	Class 1	Light	Electro Galvanised to BS 1706/Zn 2	None
	BS 4678: Pt1:1971	Class 2	Medium	Electro Galvanised to BS 1706/Zn 2	Light Epoxy Coating Externally Only
	BS 4678: Pt1:1971	Class 2	Heavy	Pre-Galvanised to BS 2989. Grade Z 275	None
TYPE 3	SPECIFICATION	PROTECTION	MATERIAL	FINISH	
Manufactured to high corrosion resistance	Hot Dip Galvanised to BS EN ISO 1461:1999(E)	Very Heavy	Hot Roll Steel to JISG 3131 SPHC	Hot Dip Galvanised or with Epoxy/Polyester Coat over it upon request	
TYPE 4	SPECIFICATION	PROTECTION	MATERIAL	FINISH	
Manufactured to very high corrosion resistance & strength	Stainless Steel	Extra Heavy and Heavy Duty	Stainless Steel AISI 304, 316 or 316L	None or with Epoxy/Polyester Coat over it upon request	

Dimension in Millimetre

Steel Surface Cable Trunking

Standard Sizes For Type 1 and 2

Components Ref.	Nominal Size (mm) H (Height) x W (Width)	Nominal Thickness Of Body Material (mm)	Nominal Thickness Of Cover Material (mm)
UL/TG/ST - 1 / 2	25 X 50	1.0	1.0
UL/TG/ST - 2 / 2	50 X 50	1.0	1.0
UL/TG/ST - 2 / 3	50 X 75	1.2	1.2
UL/TG/ST - 3 / 3	75 X 75	1.2	1.2
UL/TG/ST - 2 / 4	50 X 100	1.2	1.2
UL/TG/ST - 3 / 4	75 X 100	1.2	1.2
UL/TG/ST - 4 / 4	100 X 100	1.4	1.2
UL/TG/ST - 2 / 5	50 X 125	1.4	1.2
UL/TG/ST - 2 / 6	50 X 150	1.4	1.2
UL/TG/ST - 3 / 6	75 X 150	1.4	1.2
UL/TG/ST - 4 / 6	100 X 150	1.4	1.2
UL/TG/ST - 6 / 6	150 X 150	1.4	1.2
UL/TG/ST - 2 / 7	50 X 175	1.4	1.2
UL/TG/ST - 4 / 7	100 X 175	1.4	1.4
UL/TG/ST - 2 / 8	50 X 200	1.6	1.4
UL/TG/ST - 3 / 8	75 X 200	1.6	1.4
UL/TG/ST - 4 / 8	100 X 200	1.6	1.4
UL/TG/ST - 6 / 8	150 X 200	1.6	1.4
UL/TG/ST - 2 / 9	50 X 225	1.6	1.4
UL/TG/ST - 2 / 10	50 X 250	1.6	1.4
UL/TG/ST - 2 / 11	50 X 275	1.6	1.4
UL/TG/ST - 2 / 12	50 X 300	1.6	1.4
UL/TG/ST - 3 / 12	75 X 300	1.6	1.4
UL/TG/ST - 4 / 12	100 X 300	1.6	1.4
UL/TG/ST - 2 / 14	50 X 350	1.6	1.4

Preferred length 2.44m, minimum 2m, maximum 3m.

The sizes, body, cover gauges and preferred lengths of trunking as indicated in the above table are specified under BS 4678:Part 1:1971 and SS 249:1981.

For other classification the above table could be use as a guide.

Note: Other Gauge and Sized are available on request.

Cable Trunking

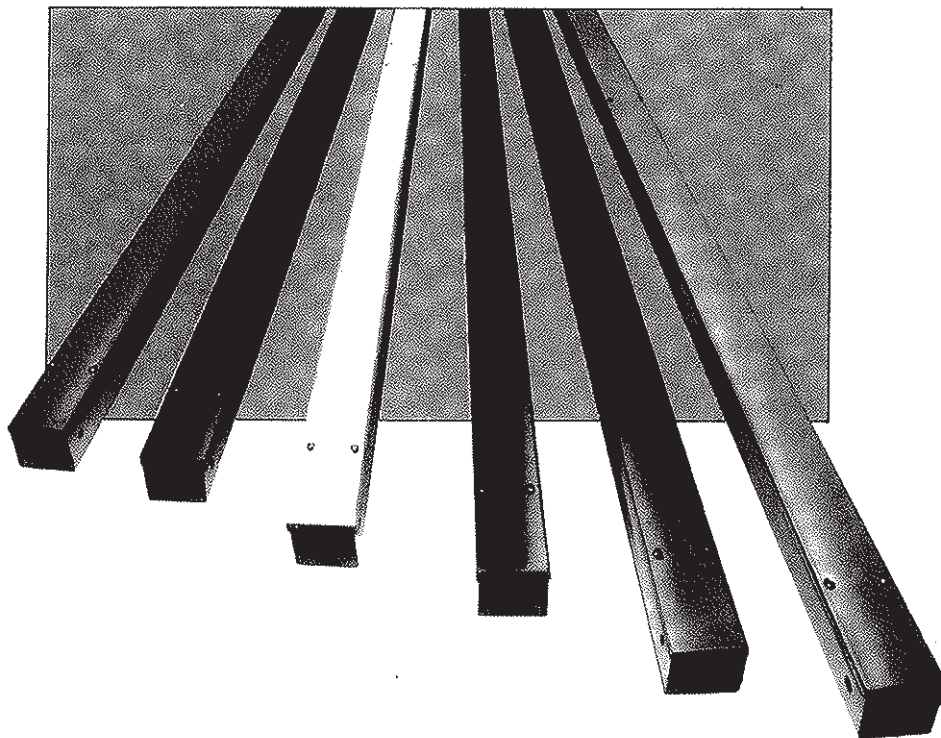
U-LI Cable Trunking is made with high quality and flexibility in mind. The trunking is supplied complete with internal flanges, overlapping covers secured firmly by "self-tapping" screws giving maximum rigidity throughout its full length.

A list of accessories are available on request. Both trunking and accessories are available in epoxy-coated

finish on plain steel sheet or chequered steel sheet in 2.44 metre (8 feet) lengths.

Internal separation fillets (for multi-compartmentalisation) can be welded in position specified by Customers during manufacture.

Each length is supplied complete with sleeve coupling and "self-tapping" screws.



Dimensions Available: 25mm X 50mm, 50mm X 50mm, 50mm X 75mm, 50mm X 100mm, 75mm X 100mm.

Standard Colours Available: Orange, Green, White and Red. Other colours are available on special request.

Thickness Available: The thickness of the body and lid are available in any combinations of 20G, 18G, 16G and 14G,

*For more sizes and thicknesses refer to our price list attached herewith. Made-to-order sizes are also available on special request.

SIZE mm	Height (H) mm	Width (W) mm	Length (L) mm	GAUGE (t) mm
25 x 50	25	50	2438	0.8
50 x 50	50	50	2438	0.8
50 x 75	50	75	2438	0.8
50 x 100	50	100	2438	0.8
50 x 125	50	125	2438	1.2
50 x 150	50	150	2438	1.2
75 x 75	75	75	2438	1.2
75 x 100	75	100	2438	1.2
75 x 125	75	125	2438	1.2
75 x 150	75	150	2438	1.2

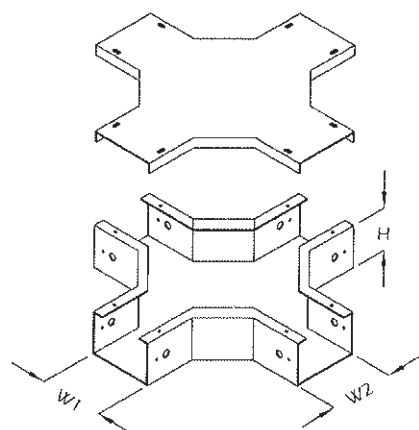
Note: Other Gauge and sized are available on request.
Standard Colour Finished = Epoxy

SIZE mm	Height (H) mm	Width (W) mm	Length (L) mm	GAUGE (t) mm
75 x 200	75	200	2438	1.2
75 x 250	75	250	2438	1.2
75 x 300	75	300	2438	1.2
100 x 100	100	100	2438	1.2
100 x 125	100	125	2438	1.2
100 x 150	100	150	2438	1.2
100 x 200	100	200	2438	1.2
100 x 250	100	250	2438	1.2
100 x 300	100	300	2438	1.2
125 x 300	125	300	2438	1.2

Powder Coating, Orange, Green, White, Red & etc.
Hot-dip galvanized available on request.

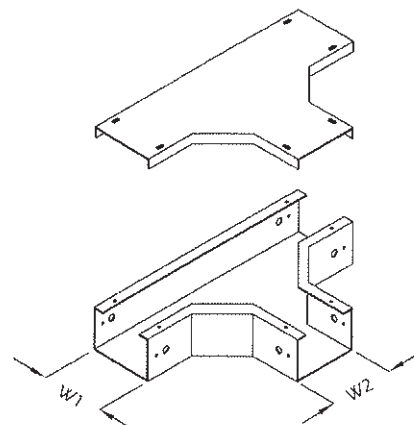
Steel Surface Cable Trunking

Cable Steel Trunking - Accessories



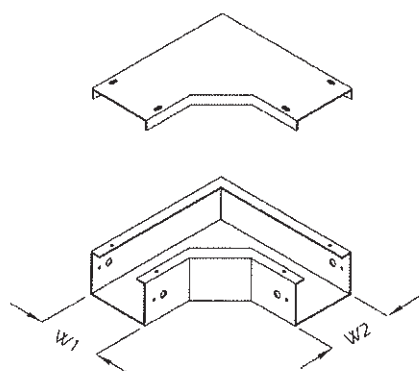
Horizontal Cross with Cover

Type: UL/TG/A-1



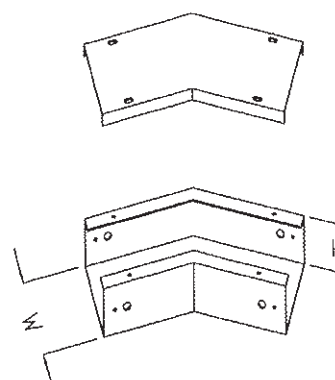
Horizontal Tee with Cover

Type: UL/TG/A-2



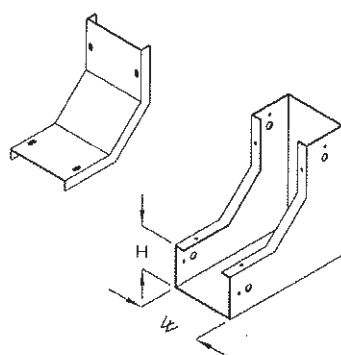
90° Horizontal Elbow with Cover

Type: UL/TG/A-3



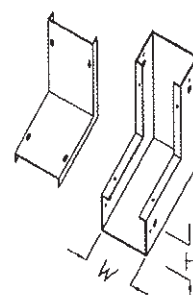
45° Horizontal Elbow with Cover

Type: UL/TG/A-4



90° Internal Riser with Cover

Type: UL/TG/A-5



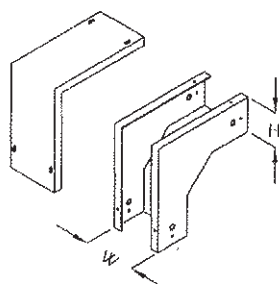
45° Internal Riser with Cover

Type: UL/TG/A-6

When ordering please indicate W (width), H (height) and Finish.

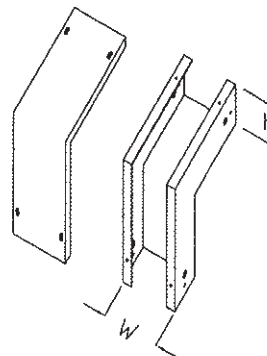
Steel Surface Cable Trunking

Steel Surface Trunking - Accessories



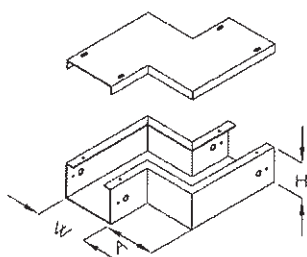
90° External Riser with Cover

Type: UL/TG/A-7



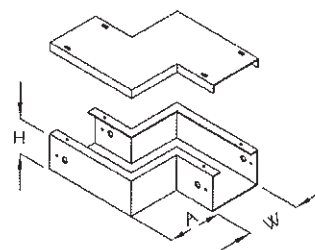
45° External Riser with Cover

Type: UL/TG/A-8



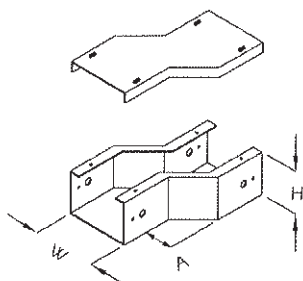
90° Horizontal Offset with Cover
(right)

Type: UL/TG/A-9



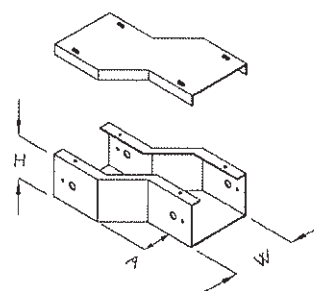
90° Horizontal Offset with Cover
(left)

Type: UL/TG/A-10



45° Horizontal Offset with Cover
(right)

Type: UL/TG/A-11



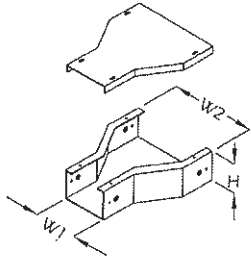
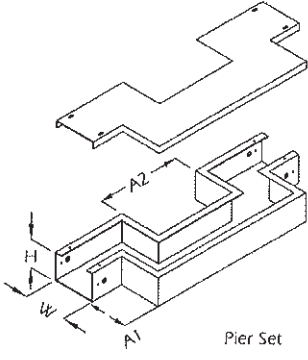
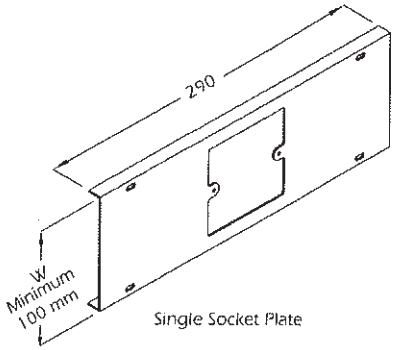
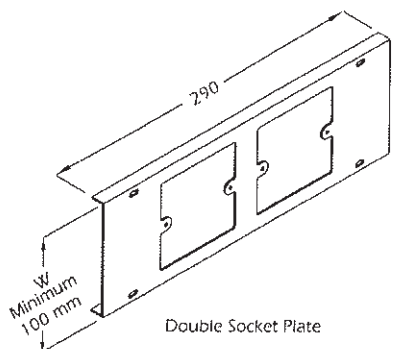
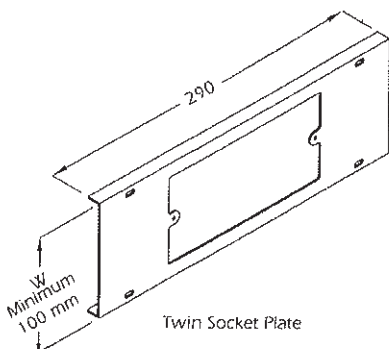
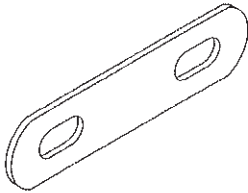
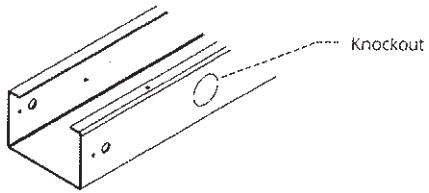
45° Horizontal Offset with Cover
(left)

Type: UL/TG/A-12

When ordering please indicate W (width), H (height), A (length) and Finish.

Steel Surface Cable Trunking

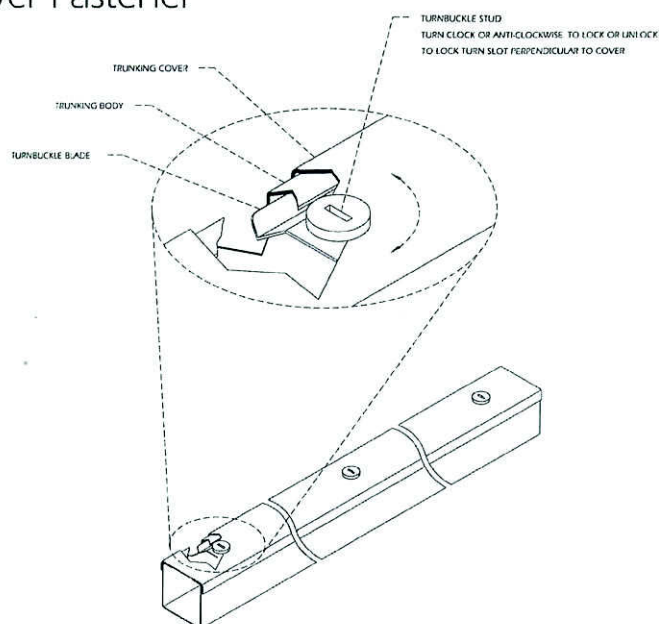
Steel Surface Trunking - Accessories

 Straight Reducer with Cover Type: UL/TG/A-13	 Pier Set Type: UL/TG/A-14
 Single Socket Plate Type: UL/TG/A-15	 Double Socket Plate Type: UL/TG/A-16
 Twin Socket Plate Type: UL/TG/A-17	 Earth Link Type: UL/TG/A-18
 Knockout Knockout 20mm and 25mm Diameter Type: UL/TG/A-21	

When ordering please indicate W (width), H (height), A (length) and Finish.

Steel Surface Cable Trunking

Single Turnbuckle Cover Fastener

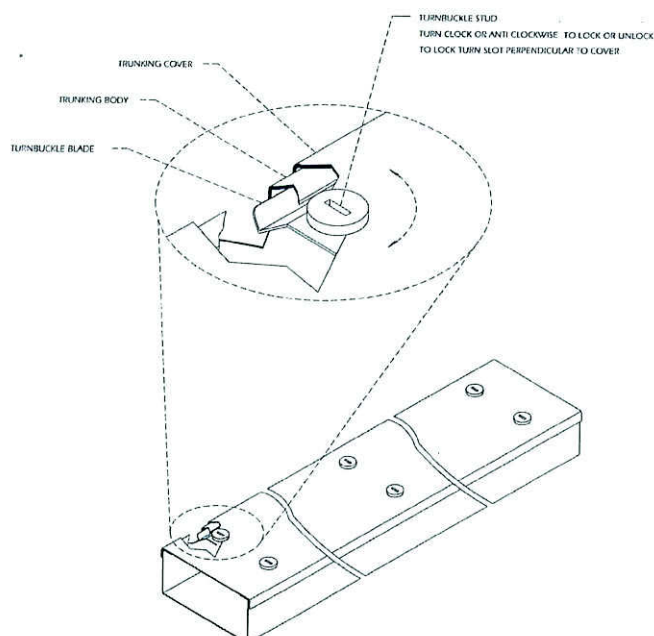


Trunking with Turnbuckle Fastener and Cover

Components Ref.	Trunking Width	Number Of Fastener Per 2.44m Length	Finish
UL/TG/TB3-1	50	3 Pcs	Hot Dip Galvanised
UL/TG/TB3-2	75	3 Pcs	Epoxy or Polyester Coated
UL/TG/TB3-3	100	3 Pcs	Stainless

Dimension in Millimetre

Double Turnbuckle Cover Fastener



Trunking with Turnbuckle Fastener and Cover

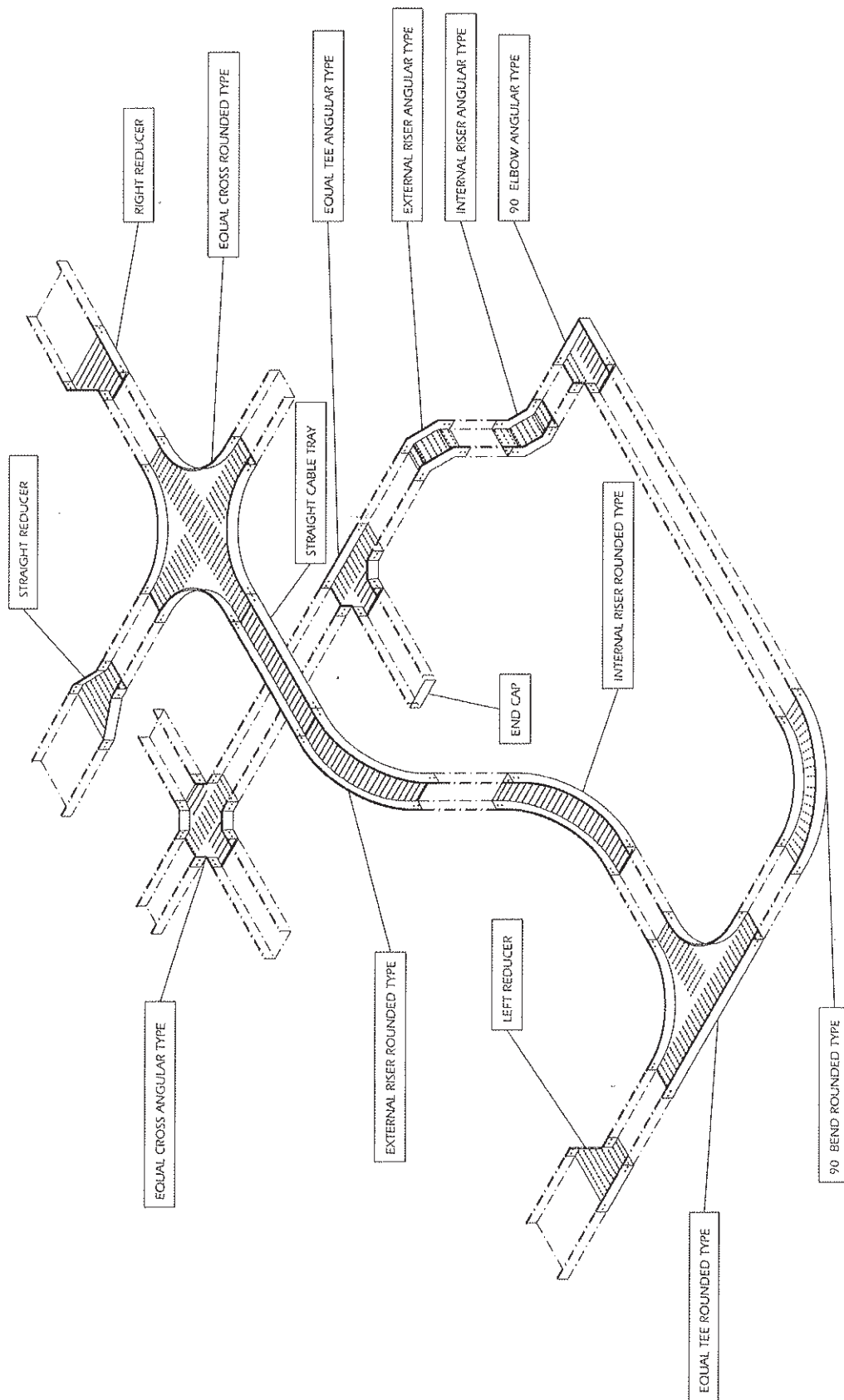
Components Ref.	Trunking Width	Number Of Fastener Per 2.44m Length	Finish
UL/TG/TB6	125 to 300	6 Pcs	Hot Dip Galvanised Epoxy or Polyester Coated Stainless

Dimension in Millimetre

When ordering please indicate Type, Width, Height and Finish.

Steel Perforated Cable Tray

U-LI™ Steel Cable Tray Typical Layout



Steel Perforated Cable Tray

U-LI™ Steel Cable Tray Product Range

U-LI™ design of Cable Ladder is compact and fast to install, with both straight Cable Tray and all accessories having a unique integrated coupling system.

U-LI™ offers a wide range of options to suit your design and with load rated to NEMA VE1. We also manufacture Cable Tray to your design.

U-LI™ offers multi side wall profile for your design needs and applications. It has the advantage of quick on site installation, cut to length and reconnection.

U-LI™ offers a wide range of materials to suit the site condition and also choices of final finishes.

Materials:

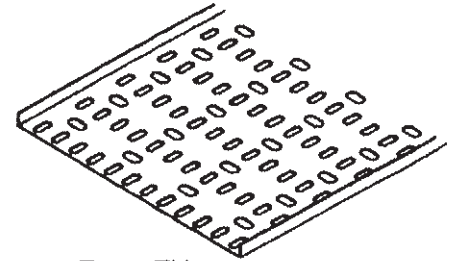
1. Hot roll mild steel. JISG 3131 SPHC, JISG 3101 SS400
2. Cold roll mild steel. JISG 3141 SPCC
3. Pre-Galvanised steel. BS 2989
4. Electro-Galvanised. BS 1449 Pt 1:1983
5. Stainless steel. AISI 304, 316 or 316L
6. Aluminium.

Materials thickness range from 1mm thick to 3mm thick.

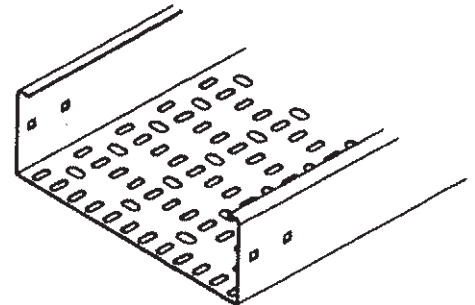
Finishing:

1. Hot dip galvanised.
ASTM A123, BS EN ISO 1461:1999
2. Epoxy coated - ASTM D 1654, BS 6920
3. Polyester coated - ASTM D 1654, BS 6920

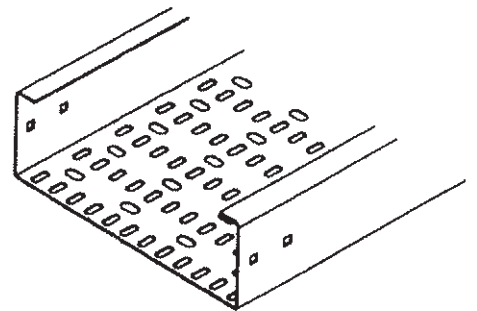
Perforated Tray Series



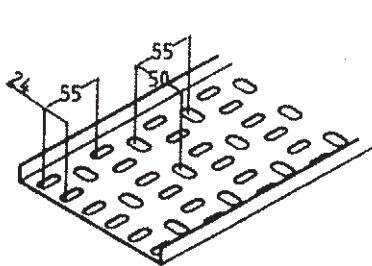
Type: TU



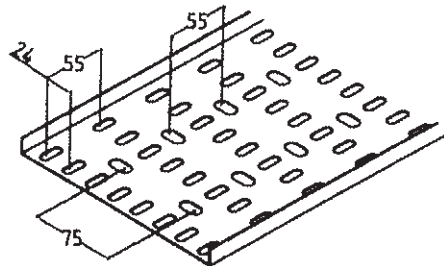
Type: TC



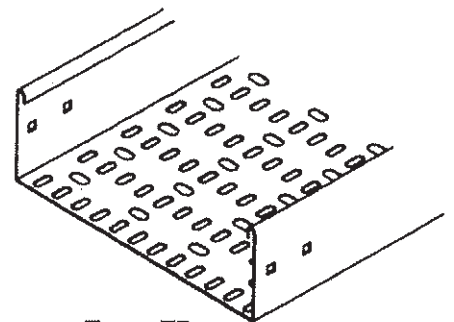
Type: TT



a) For 50mm, 100 mm and 150 mm Width.



b) For Standard Width

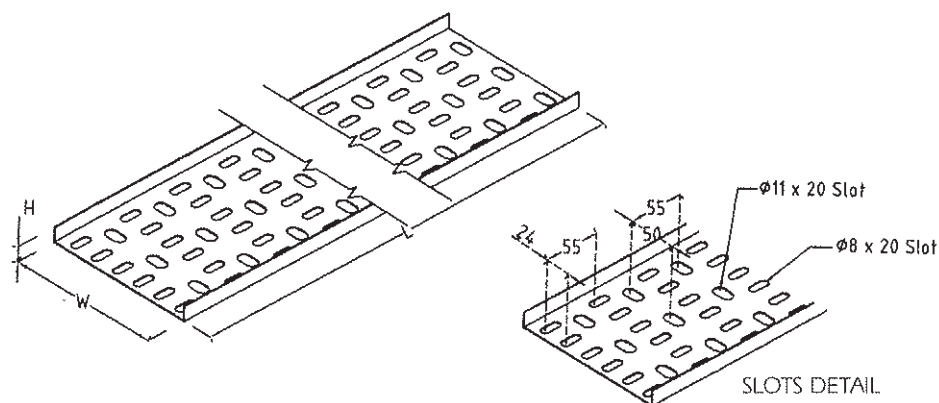


Type: TR

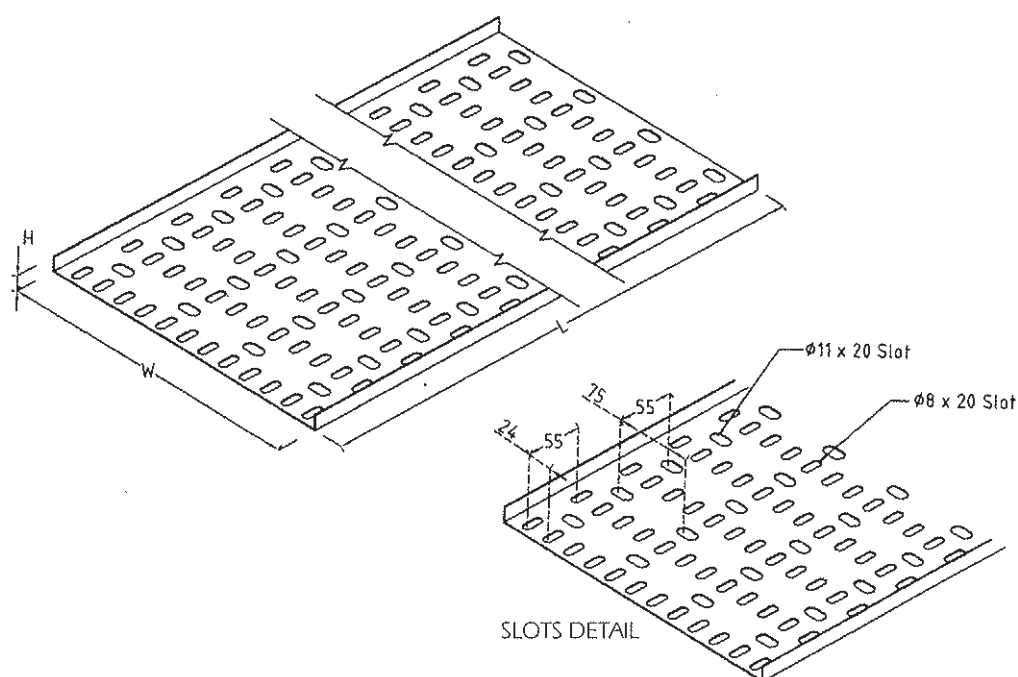
Standard Slots Configuration. Total removal of material approximately 18%. We also manufacture to other slot configurations as per customer's request.

Steel Perforated Cable Tray

Steel Perforated Cable Tray - Straight
Type: UL/TU/ST/IA



Type: UL/TU/ST/B



Components Ref.	H	W	Thickness	L	Finish
UL/TU/ST-1	13	50	1.5	2440 or 3000	Hot Dip Galvanised Epoxy or Polyester Coated Stainless
UL/TU/ST-2	13	100	1.5		
UL/TU/ST-3	13	150	1.5		
UL/TU/ST-4	17	200	1.5		
UL/TU/ST-5	17	300	1.5		
UL/TU/ST-6	20	350	1.5		
UL/TU/ST-7	20	450	1.5		
UL/TU/ST-8	25	500	1.5		
UL/TU/ST-9	25	600	1.5		

Components Ref.	H	W	Thickness	L	Finish
UL/TU/ST-10	25	700	2.0	2440 or 3000	Hot Dip Galvanised Epoxy or Polyester Coated Stainless
UL/TU/ST-11	25	800	2.0		
UL/TU/ST-12	25	900	2.0		
UL/TU/ST-13	25	1000	2.0		

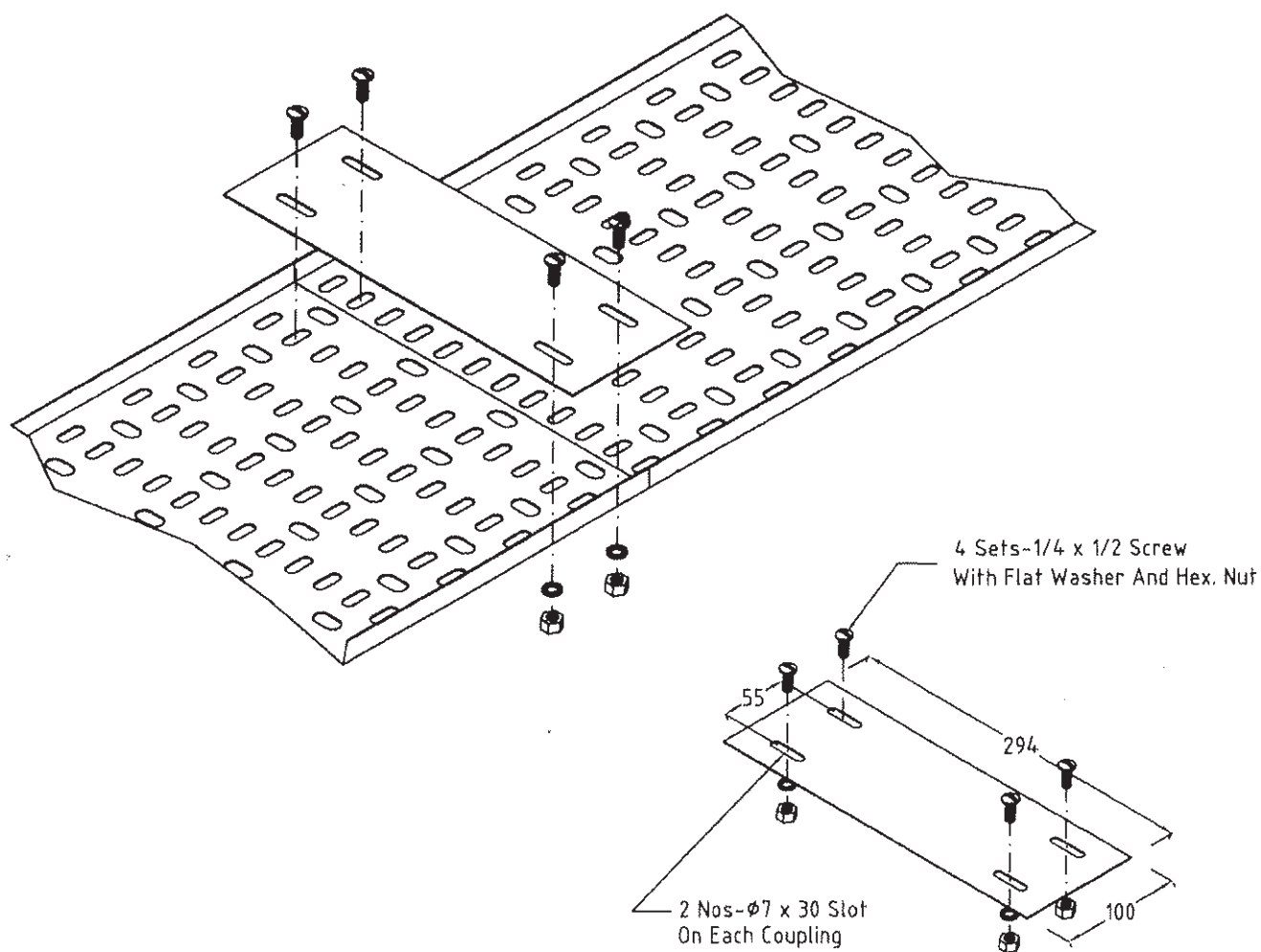
Dimension in Millimetre

Abbreviation. W - Width H - Height L - Length

When ordering please indicate Material, Finish (F) and Length (L)
We also supply other sizes with the same profile.

Steel Perforated Cable Tray

Steel Perforated Cable Tray - Joint Coupling Type: UL/TU/JC



* THE JOINT COUPLING (PLATE DESIGNED) IS USED ON 300 WIDTH UP TO 1000 WIDTH

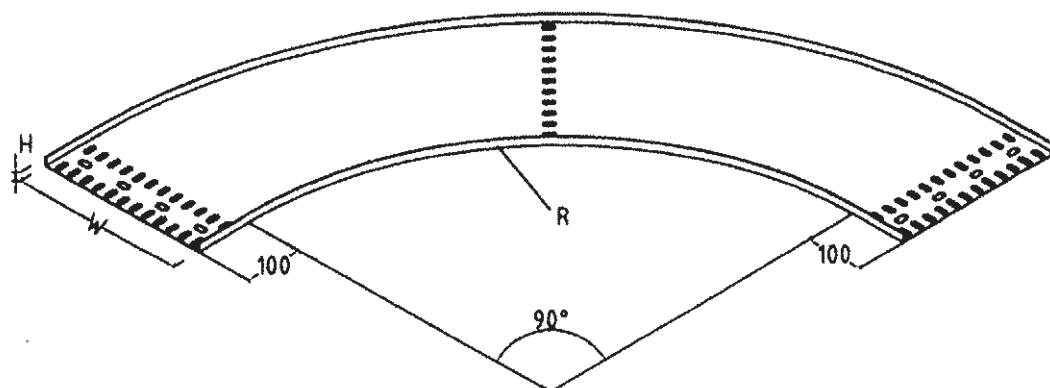
Splice Plate and Fixture

Components Ref.	W	Finish	Application
UL/TU/HS	Perforated Tray Width Minus 6mm	Hot Dip Galvanised Epoxy or Polyester Coated Stainless	Applicable to: Straight Trays, Elbows and Risers

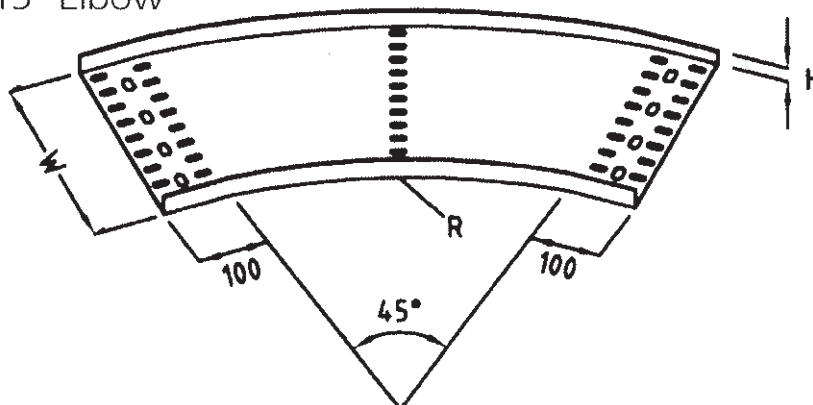
Dimension in Millimetre
When ordering please indicate straight cable tray Width.

Steel Perforated Cable Tray

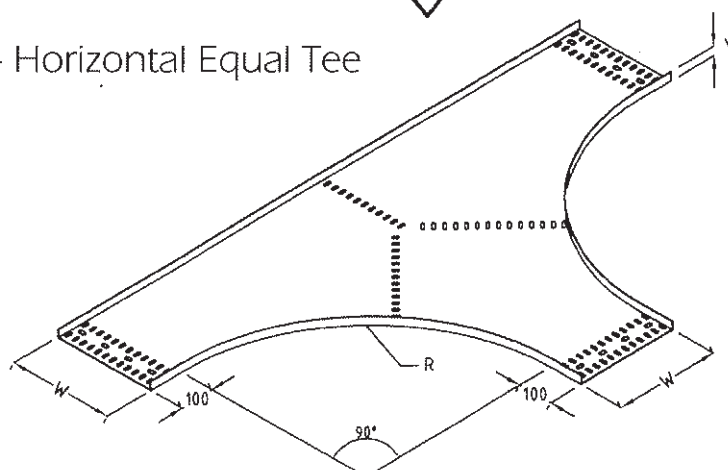
Steel Perforated Cable Tray - 90° Elbow
Type: UL/TU/EL90



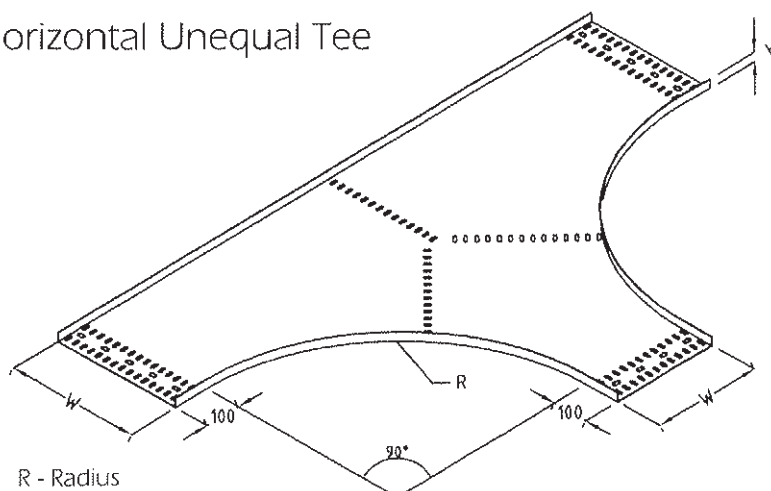
Steel Perforated Cable Tray - 45° Elbow
Type: UL/TU/EL45



Steel Perforated Cable Tray - Horizontal Equal Tee
Type: UL/TU/ET



Steel Perforated Cable Tray - Horizontal Unequal Tee
Type: UL/TU/UT



Dimension in Millimetre

Abbreviation.

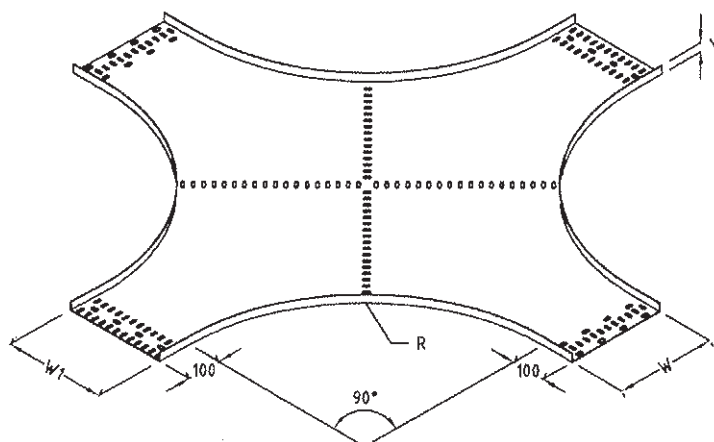
W - Width

H - Height

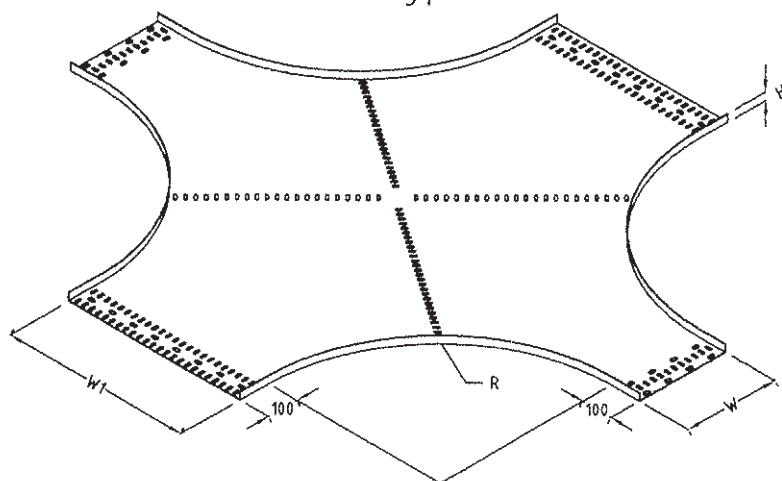
R - Radius

Steel Perforated Cable Tray

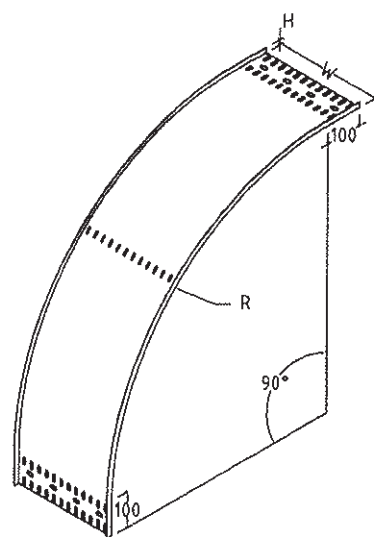
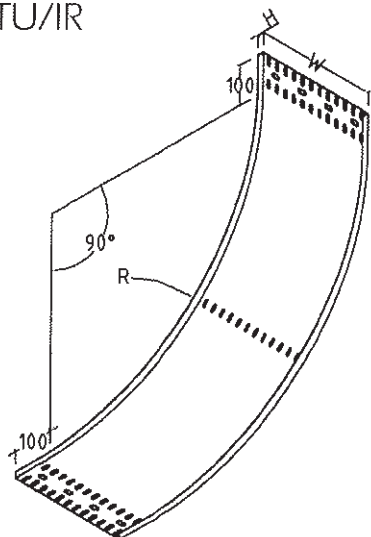
Steel Perforated Cable Tray - Horizontal Equal Cross
Type: UL/TU/EC



Steel Perforated Cable Tray - Horizontal Unequal Cross
Type: UL/TU/UC



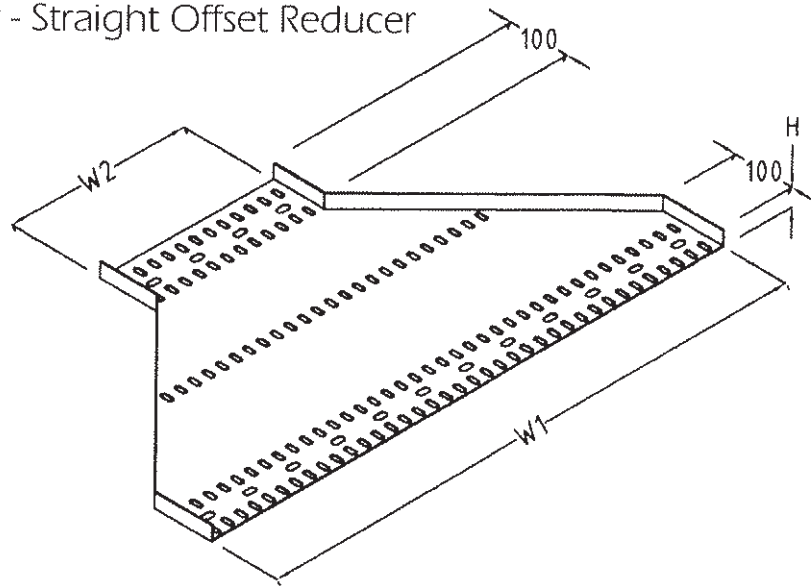
Steel Perforated Cable Tray - Internal Riser
Type: UL/TU/IR



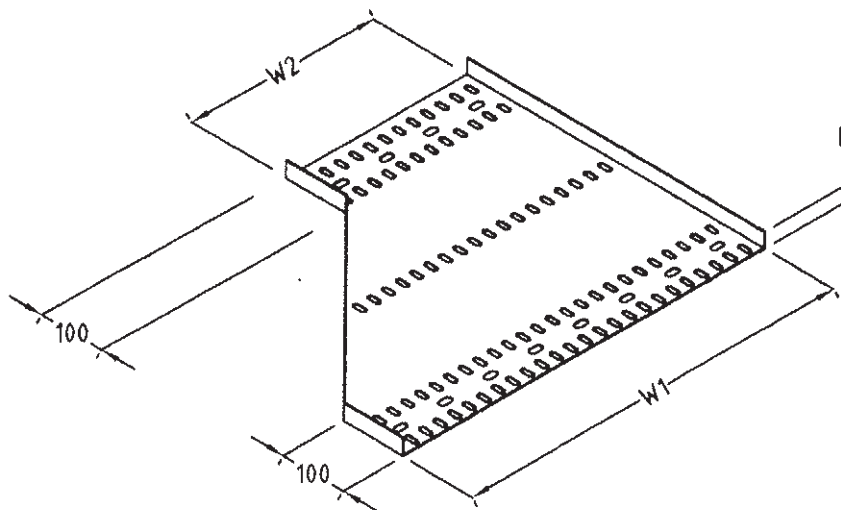
Steel Perforated Cable Tray - External Riser
Type: UL/TU/ER

Steel Perforated Cable Tray

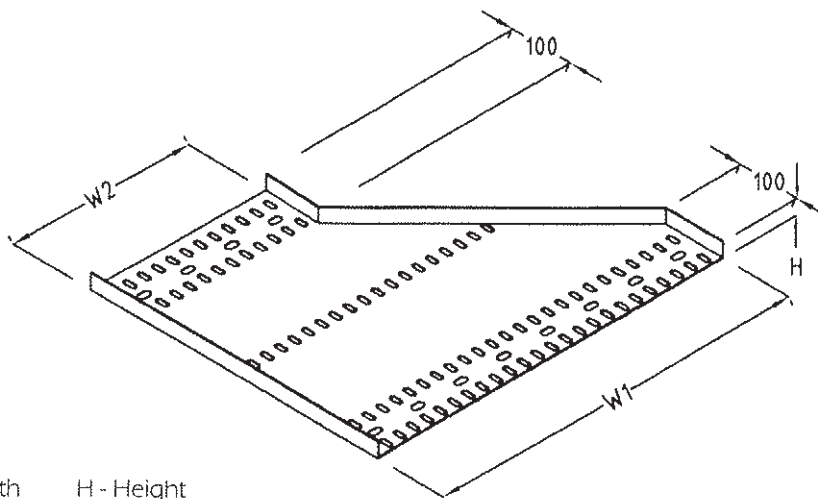
Steel Perforated Cable Tray - Straight Offset Reducer
Type: UL/TU/SD



Steel Perforated Cable Tray - Right Offset Reducer
Type: UL/TU/RR



Steel Perforated Cable Tray - Left Offset Reducer
Type: UL/TU/TR

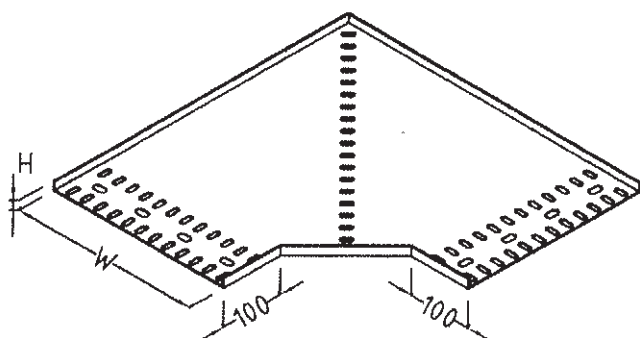


Dimension in Millimetre
Abbreviation. W - Width H - Height

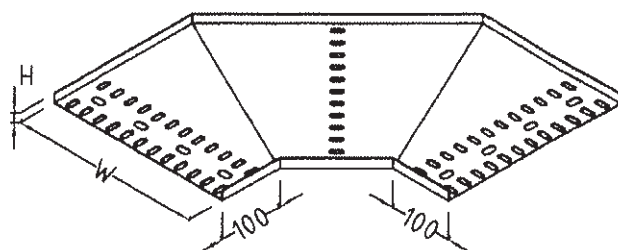
When ordering Material, Finish and Sizes as straight cable tray please also indicate Width ($W2$)

Steel Perforated Cable Tray

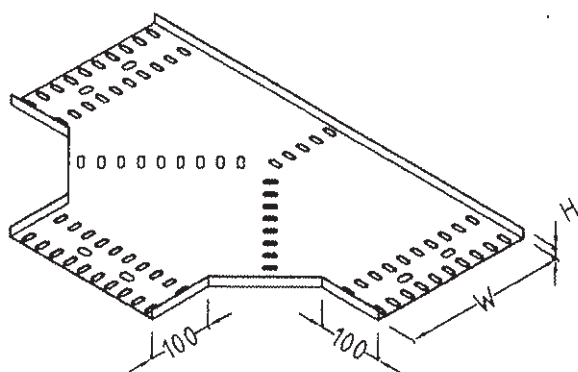
Steel Perforated Cable Tray - Accessories Angular Type



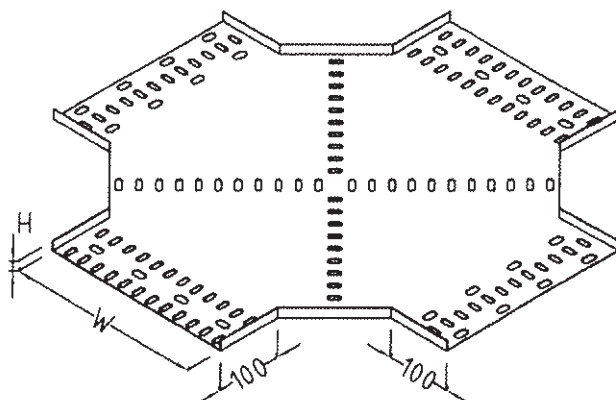
Type: UL/TU/SC-1



Type: UL/TU/SC-2



Type: UL/TU/SC-3



Type: UL/TU/SC-4

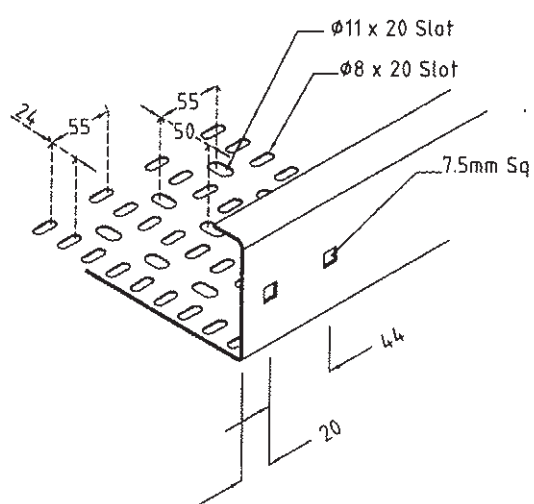
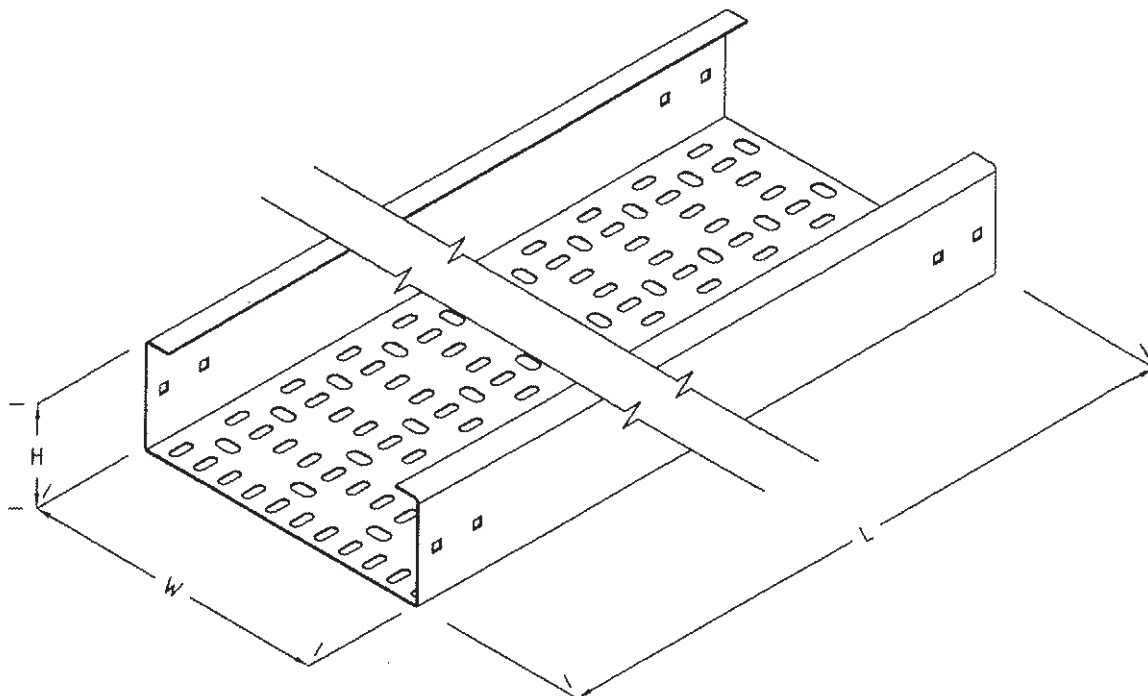
Components Ref.	H	A	W-W1
UL/TU/AT	50	100	Width
	75	100	
	100	100	
	150	150	

Dimension in Millimetre

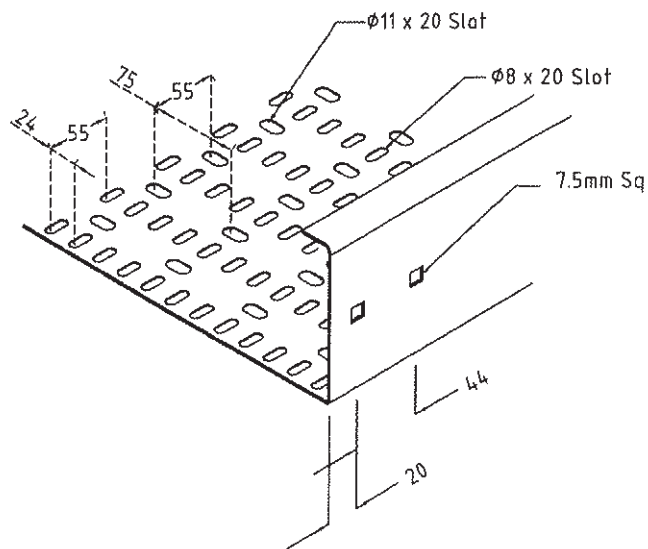
When ordering please indicate Type, Finish and Sizes as in straight cable tray.

Steel Perforated Cable Tray

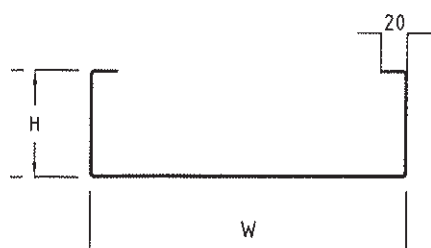
Steel Perforated Cable Tray - Straight
Type: UL/TT or TC/ST



CONNECTION SLOT DETAIL A.

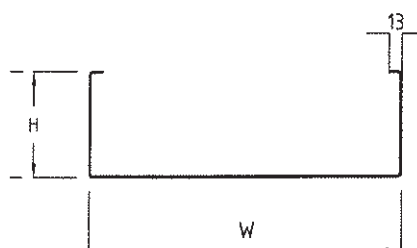


CONNECTION SLOT DETAIL B.



TRAY SECTION

TYPE: UL/TT/ST



TRAY SECTION

TYPE: UL/TC/ST

Steel Perforated Cable Tray

Steel Perforated Cable Tray - Straight Type: UL/TT/ST or UL/TC/ST

Components Ref.	H	W	Thickness	L	Finish
UL/TT/ST or UL/TC/ST/2-2	50	50	1.5	2440 or 3000	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/TT/ST or UL/TC/ST/2-4	50	100	1.5		
UL/TT/ST or UL/TC/ST/2-6	50	150	1.5		
UL/TT/ST or UL/TC/ST/2-8	50	200	1.5		
UL/TT/ST or UL/TC/ST/2-10	50	250	1.5		
UL/TT/ST or UL/TC/ST/2-12	50	300	1.5		
UL/TT/ST or UL/TC/ST/2-14	50	350	1.5		
UL/TT/ST or UL/TC/ST/2-16	50	400	1.5		
UL/TT/ST or UL/TC/ST/2-18	50	450	2.0		
UL/TT/ST or UL/TC/ST/2-20	50	500	2.0		
UL/TT/ST or UL/TC/ST/2-22	50	550	2.0		
UL/TT/ST or UL/TC/ST/2-24	50	600	2.0		
UL/TT/ST or UL/TC/ST/2-26	50	650	2.0		
UL/TT/ST or UL/TC/ST/2-28	50	700	2.0		
UL/TT/ST or UL/TC/ST/2-30	50	750	2.0		
UL/TT/ST or UL/TC/ST/2-34	50	850	2.0		
UL/TT/ST or UL/TC/ST/2-36	50	900	2.0		
UL/TT/ST or UL/TC/ST/2-38	50	950	2.0		
UL/TT/ST or UL/TC/ST/2-40	50	1000	2.0		
UL/TT/ST or UL/TC/ST/3-3	75	75	1.5		
UL/TT/ST or UL/TC/ST/3-4	75	100	1.5		
UL/TT/ST or UL/TC/ST/3-6	75	150	1.5		
UL/TT/ST or UL/TC/ST/3-8	75	200	1.5		
UL/TT/ST or UL/TC/ST/3-10	75	250	1.5		
UL/TT/ST or UL/TC/ST/3-12	75	300	1.5		
UL/TT/ST or UL/TC/ST/3-14	75	350	1.5		
UL/TT/ST or UL/TC/ST/3-16	75	400	1.5		
UL/TT/ST or UL/TC/ST/3-18	75	450	2.0		
UL/TT/ST or UL/TC/ST/3-20	75	500	2.0		
UL/TT/ST or UL/TC/ST/3-22	75	550	2.0		
UL/TT/ST or UL/TC/ST/3-24	75	600	2.0		
UL/TT/ST or UL/TC/ST/3-26	75	650	2.0		
UL/TT/ST or UL/TC/ST/3-28	75	700	2.0		
UL/TT/ST or UL/TC/ST/3-30	75	750	2.0		
UL/TT/ST or UL/TC/ST/3-34	75	850	2.0		
UL/TT/ST or UL/TC/ST/3-36	75	900	2.0		
UL/TT/ST or UL/TC/ST/3-38	75	950	2.0		
UL/TT/ST or UL/TC/ST/3-40	75	1000	2.0		
UL/TT/ST or UL/TC/ST/4-4	100	100	1.5		
UL/TT/ST or UL/TC/ST/4-6	100	150	1.5		
UL/TT/ST or UL/TC/ST/4-8	100	200	1.5		
UL/TT/ST or UL/TC/ST/4-10	100	250	1.5		
UL/TT/ST or UL/TC/ST/4-12	100	300	1.5		
UL/TT/ST or UL/TC/ST/4-14	100	350	2.0		
UL/TT/ST or UL/TC/ST/4-16	100	400	2.0		

Components Ref.	H	W	Thickness	L	Finish
UL/TT/ST or UL/TC/ST/4-18	100	450	2.0	2440 or 3000	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/TT/ST or UL/TC/ST/4-20	100	500	2.0		
UL/TT/ST or UL/TC/ST/4-22	100	550	2.0		
UL/TT/ST or UL/TC/ST/4-24	100	600	2.0		
UL/TT/ST or UL/TC/ST/4-26	100	650	2.0		
UL/TT/ST or UL/TC/ST/4-28	100	700	2.0		
UL/TT/ST or UL/TC/ST/4-30	100	750	2.0		
UL/TT/ST or UL/TC/ST/4-32	100	800	2.0		
UL/TT/ST or UL/TC/ST/4-34	100	850	2.0		
UL/TT/ST or UL/TC/ST/4-36	100	900	2.0		
UL/TT/ST or UL/TC/ST/4-38	100	950	2.0		
UL/TT/ST or UL/TC/ST/4-40	100	1000	2.0		
UL/TT/ST or UL/TC/ST/5-6	125	150	1.5		
UL/TT/ST or UL/TC/ST/5-8	125	200	1.5		
UL/TT/ST or UL/TC/ST/5-10	125	250	1.5		
UL/TT/ST or UL/TC/ST/5-12	125	300	1.5		
UL/TT/ST or UL/TC/ST/5-14	125	350	2.0		
UL/TT/ST or UL/TC/ST/5-16	125	450	2.0		
UL/TT/ST or UL/TC/ST/5-18	125	450	2.0		
UL/TT/ST or UL/TC/ST/5-20	125	500	2.0		
UL/TT/ST or UL/TC/ST/5-22	125	550	2.0		
UL/TT/ST or UL/TC/ST/5-24	125	600	2.0		
UL/TT/ST or UL/TC/ST/5-26	125	650	2.0		
UL/TT/ST or UL/TC/ST/5-28	125	700	2.0		
UL/TT/ST or UL/TC/ST/5-30	125	750	2.0		
UL/TT/ST or UL/TC/ST/5-32	125	800	2.0		
UL/TT/ST or UL/TC/ST/5-34	125	850	2.0		
UL/TT/ST or UL/TC/ST/5-36	125	900	2.0		
UL/TT/ST or UL/TC/ST/5-38	125	950	2.0		
UL/TT/ST or UL/TC/ST/6-6	150	150	1.5		
UL/TT/ST or UL/TC/ST/6-8	150	200	1.5		
UL/TT/ST or UL/TC/ST/6-10	150	250	1.5		
UL/TT/ST or UL/TC/ST/6-12	150	300	1.5		
UL/TT/ST or UL/TC/ST/6-14	150	350	2.0		
UL/TT/ST or UL/TC/ST/6-16	150	400	2.0		
UL/TT/ST or UL/TC/ST/6-18	150	450	2.0		
UL/TT/ST or UL/TC/ST/6-20	150	500	2.0		
UL/TT/ST or UL/TC/ST/6-22	150	550	2.0		
UL/TT/ST or UL/TC/ST/6-24	150	600	2.0		
UL/TT/ST or UL/TC/ST/6-26	150	650	2.0		
UL/TT/ST or UL/TC/ST/6-28	150	700	2.0		
UL/TT/ST or UL/TC/ST/6-30	150	750	2.0		
UL/TT/ST or UL/TC/ST/6-32	150	800	2.0		
UL/TT/ST or UL/TC/ST/6-34	150	850	2.0		
UL/TT/ST or UL/TC/ST/6-36	150	900	2.0		

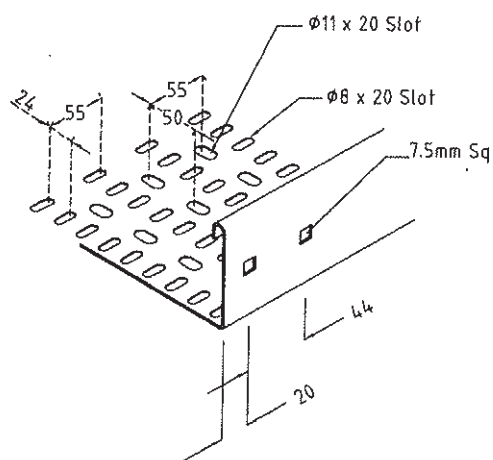
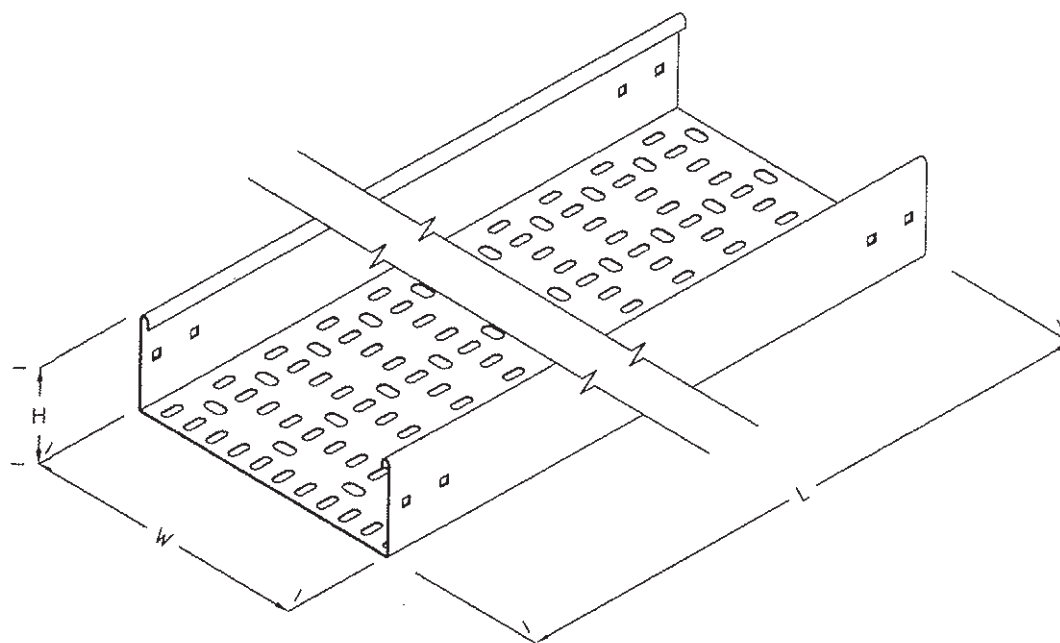
Dimension in Millimetre

Abbreviation. W - Width H - Height L - Length T - Thickness

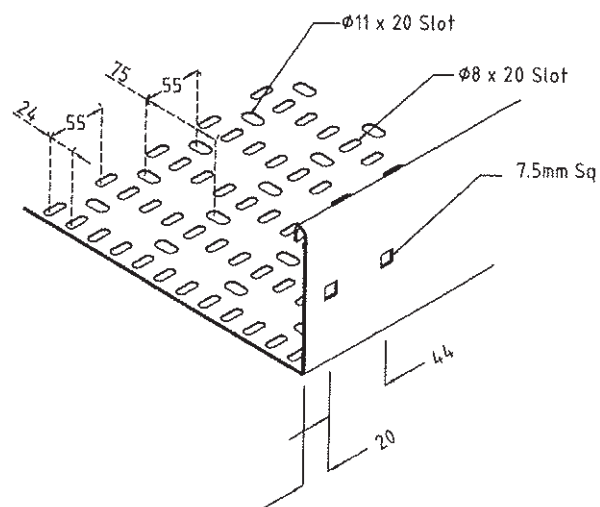
When ordering please indicate Type, Material, Finish and Length (L)
We also supply other sizes with the same Cable Tray profile.

Steel Perforated Cable Tray

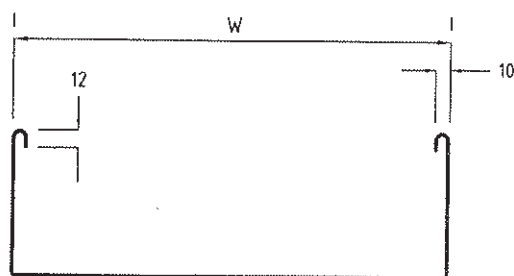
Steel Perforated Cable Tray - Straight
Type: UL/TR/ST



CONNECTION SLOT DETAIL A.



CONNECTION SLOT DETAIL B.



TRAY SECTION

Steel Perforated Cable Tray

Steel Perforated Cable Tray - Straight Type: UL/TR/ST

Components Ref.	H	W	Thickness	L	Finish
UL/TR/ST/2-2	50	50	1.5	2440 or 3000	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/TR/ST/2-4	50	100	1.5		
UL/TR/ST/2-6	50	150	1.5		
UL/TR/ST/2-8	50	200	1.5		
UL/TR/ST/2-10	50	250	1.5		
UL/TR/ST/2-12	50	300	1.5		
UL/TR/ST/2-14	50	350	1.5		
UL/TR/ST/2-16	50	400	1.5		
UL/TR/ST/2-18	50	450	2.0		
UL/TR/ST/2-20	50	500	2.0		
UL/TR/ST/2-22	50	550	2.0		
UL/TR/ST/2-24	50	600	2.0		
UL/TR/ST/2-26	50	650	2.0		
UL/TR/ST/2-28	50	700	2.0		
UL/TR/ST/2-30	50	750	2.0		
UL/TR/ST/2-34	50	850	2.0		
UL/TR/ST/2-36	50	900	2.0		
UL/TR/ST/2-38	50	950	2.0		
UL/TR/ST/2-40	50	1000	2.0		
UL/TR/ST/3-3	75	75	1.5		
UL/TR/ST/3-4	75	100	1.5		
UL/TR/ST/3-6	75	150	1.5		
UL/TR/ST/3-8	75	200	1.5		
UL/TR/ST/3-10	75	250	1.5		
UL/TR/ST/3-12	75	300	1.5		
UL/TR/ST/3-14	75	350	1.5		
UL/TR/ST/3-16	75	400	1.5		
UL/TR/ST/3-18	75	450	2.0		
UL/TR/ST/3-20	75	500	2.0		
UL/TR/ST/3-22	75	550	2.0		
UL/TR/ST/3-24	75	600	2.0		
UL/TR/ST/3-26	75	650	2.0		
UL/TR/ST/3-28	75	700	2.0		
UL/TR/ST/3-30	75	750	2.0		
UL/TR/ST/3-34	75	850	2.0		
UL/TR/ST/3-36	75	900	2.0		
UL/TR/ST/3-38	75	950	2.0		
UL/TR/ST/3-40	75	1000	2.0		
UL/TR/ST/4-4	100	100	1.5		
UL/TR/ST/4-6	100	150	1.5		
UL/TR/ST/4-8	100	200	1.5		
UL/TR/ST/4-10	100	250	1.5		
UL/TR/ST/4-12	100	300	1.5		
UL/TR/ST/4-14	100	350	2.0		
UL/TR/ST/4-16	100	400	2.0		

Components Ref.	H	W	Thickness	L	Finish
UL/TR/ST/4-18	100	450	2.0	2440 or 3000	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/TR/ST/4-20	100	500	2.0		
UL/TR/ST/4-22	100	550	2.0		
UL/TR/ST/4-24	100	600	2.0		
UL/TR/ST/4-26	100	650	2.0		
UL/TR/ST/4-28	100	700	2.0		
UL/TR/ST/4-30	100	750	2.0		
UL/TR/ST/4-32	100	800	2.0		
UL/TR/ST/4-34	100	850	2.0		
UL/TR/ST/4-36	100	900	2.0		
UL/TR/ST/4-38	100	950	2.0		
UL/TR/ST/4-40	100	1000	2.0		
UL/TR/ST/5-6	125	150	1.5		
UL/TR/ST/5-8	125	200	1.5		
UL/TR/ST/5-10	125	250	1.5		
UL/TR/ST/5-12	125	300	1.5		
UL/TR/ST/5-14	125	350	2.0		
UL/TR/ST/5-16	125	400	2.0		
UL/TR/ST/5-18	125	450	2.0		
UL/TR/ST/5-20	125	500	2.0		
UL/TR/ST/5-22	125	550	2.0		
UL/TR/ST/5-24	125	600	2.0		
UL/TR/ST/5-26	125	650	2.0		
UL/TR/ST/5-28	125	700	2.0		
UL/TR/ST/5-30	125	750	2.0		
UL/TR/ST/5-32	125	800	2.0		
UL/TR/ST/5-34	125	850	2.0		
UL/TR/ST/5-36	125	900	2.0		
UL/TR/ST/5-38	125	950	2.0		
UL/TR/ST/6-6	150	150	1.5		
UL/TR/ST/6-8	150	200	1.5		
UL/TR/ST/6-10	150	250	1.5		
UL/TR/ST/6-12	150	300	1.5		
UL/TR/ST/6-14	150	350	2.0		
UL/TR/ST/6-16	150	400	2.0		
UL/TR/ST/6-18	150	450	2.0		
UL/TR/ST/6-20	150	500	2.0		
UL/TR/ST/6-22	150	550	2.0		
UL/TR/ST/6-24	150	600	2.0		
UL/TR/ST/6-26	150	650	2.0		
UL/TR/ST/6-28	150	700	2.0		
UL/TR/ST/6-30	150	750	2.0		
UL/TR/ST/6-32	150	800	2.0		
UL/TR/ST/6-34	150	850	2.0		
UL/TR/ST/6-36	150	900	2.0		

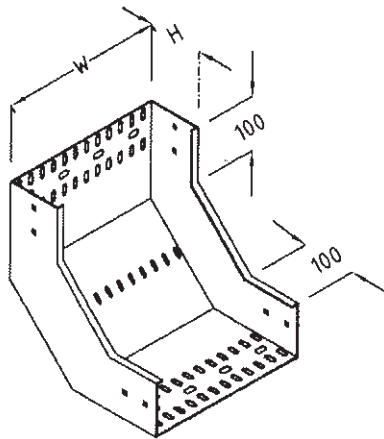
Dimension in Millimetre

Abbreviation. W - Width H - Height L - Length

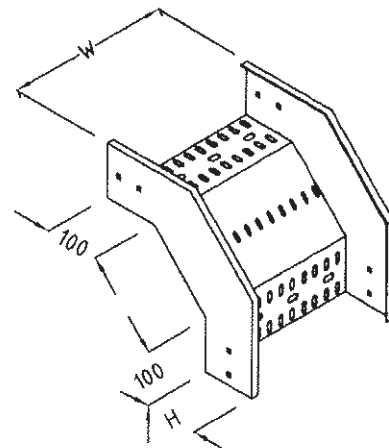
We also supply other sizes with the same Cable Tray profile.

Steel Perforated Cable Tray

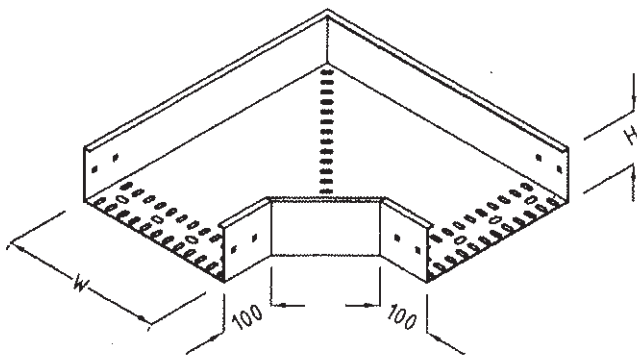
Steel Perforated Cable Tray - Accessories Angular Type Type: UL/TR/SC



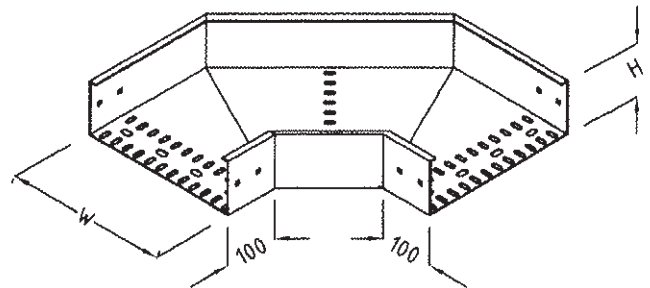
Type: UL/TR/SC-1



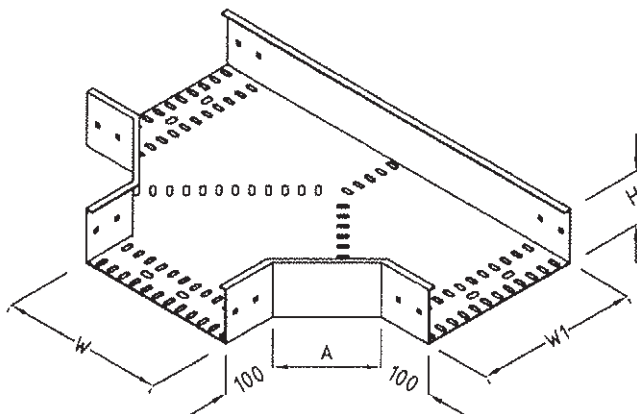
Type: UL/TR/SC-2



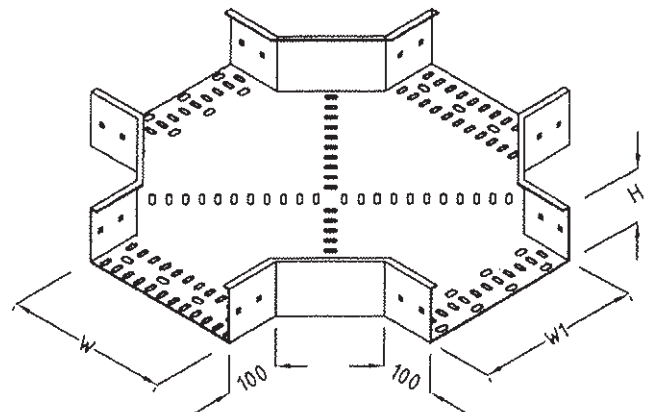
Type: UL/TR/SC-3



Type: UL/TR/SC-4



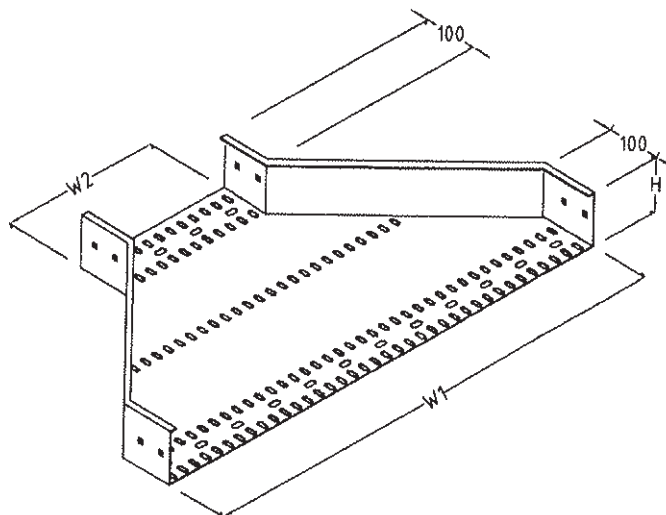
Type: UL/TR/SC-5



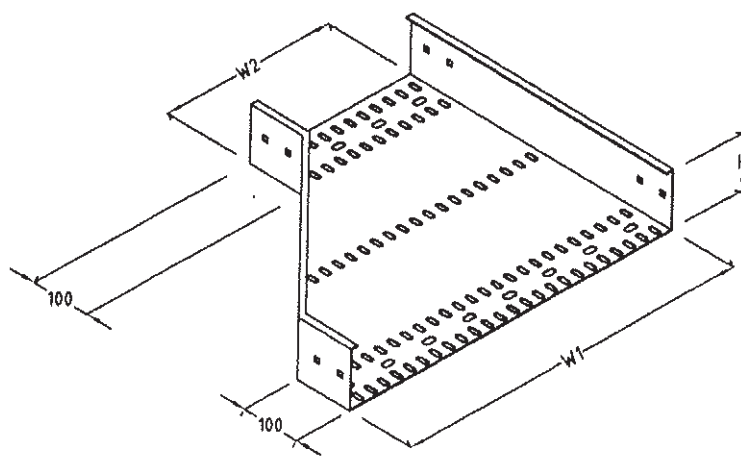
Type: UL/TR/SC-6

Steel Perforated Cable Tray

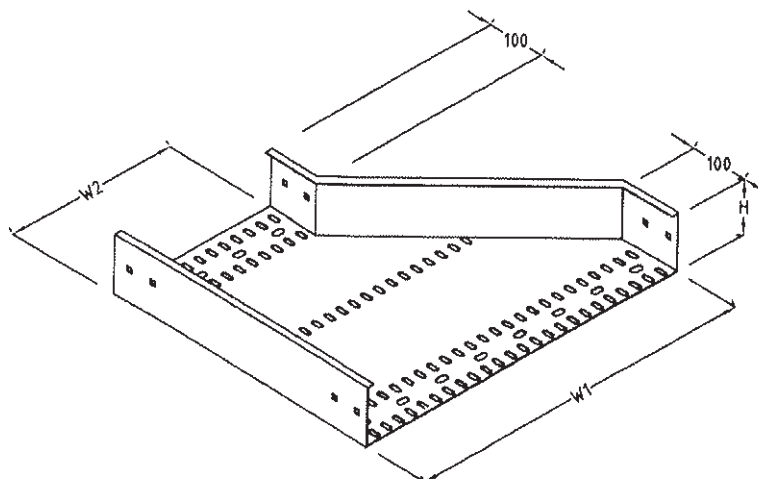
Steel Perforated Cable Tray - Straight Offset Reducer
Type: UL/TR/SD



Steel Perforated Cable Tray - Right Offset Reducer
Type: UL/TR/RR

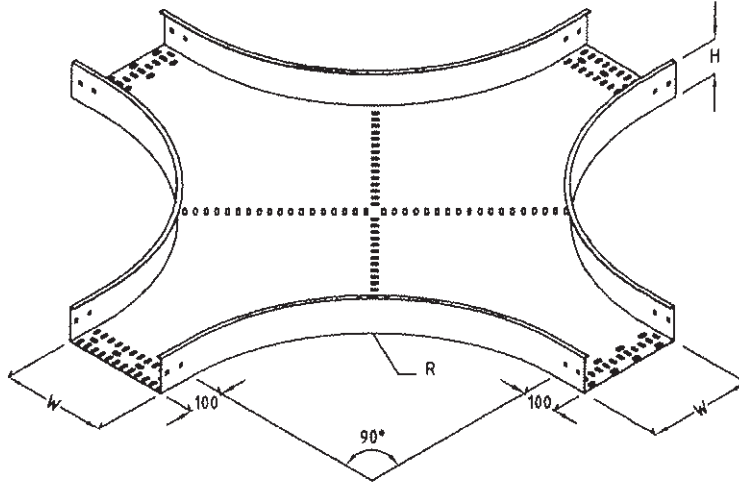


Steel Perforated Cable Tray - Left Offset Reducer
Type: UL/TR/TR

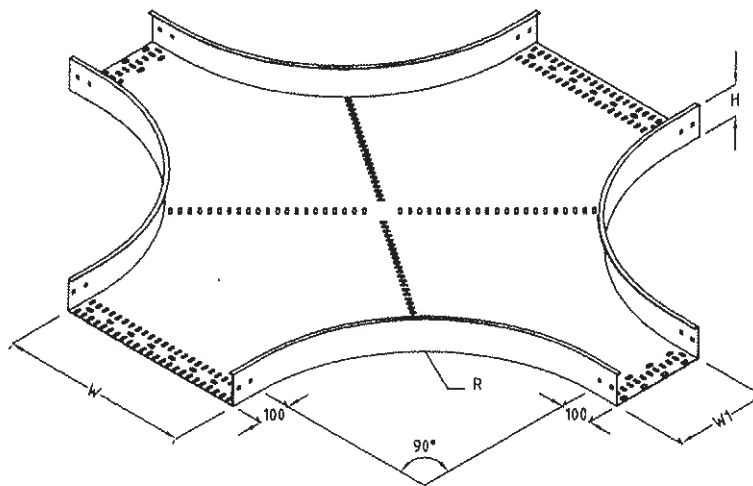


Steel Perforated Cable Tray

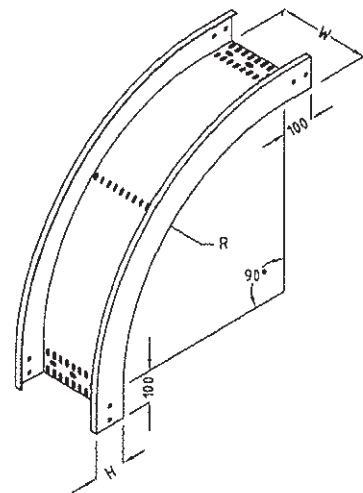
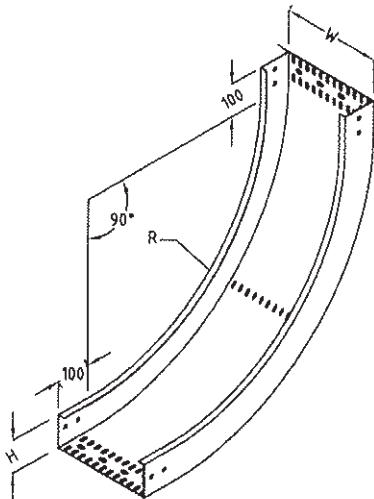
Steel Perforated Cable Tray - Horizontal Equal Cross
Type: UL/TR/EC



Steel Perforated Cable Tray - Horizontal Unequal Cross
Type: UL/TR/UC



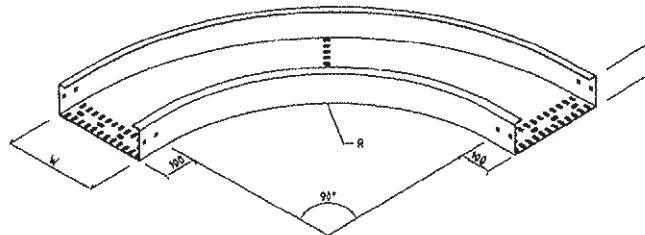
Steel Perforated Cable Tray - Internal Riser
Type: UL/TR/IR



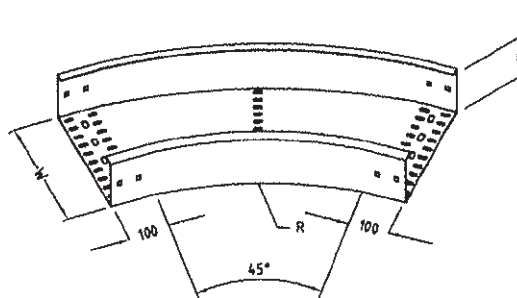
Steel Perforated Cable Tray - External Riser
Type: UL/TR/ER

Steel Perforated Cable Tray

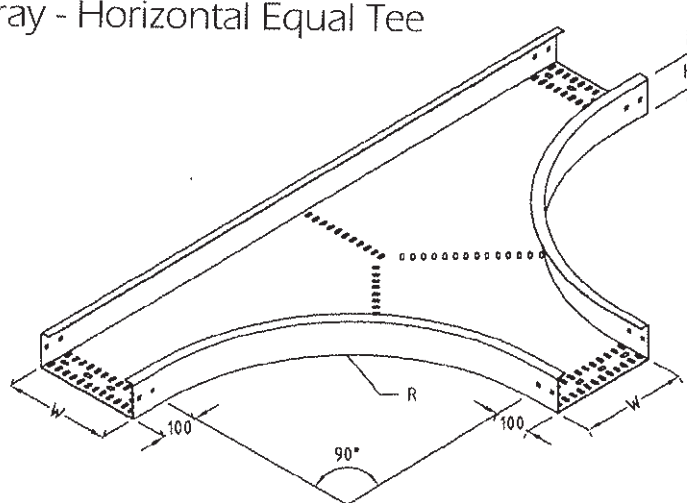
Steel Perforated Cable Tray - 90° Elbow
Type: UL/TR/EL90



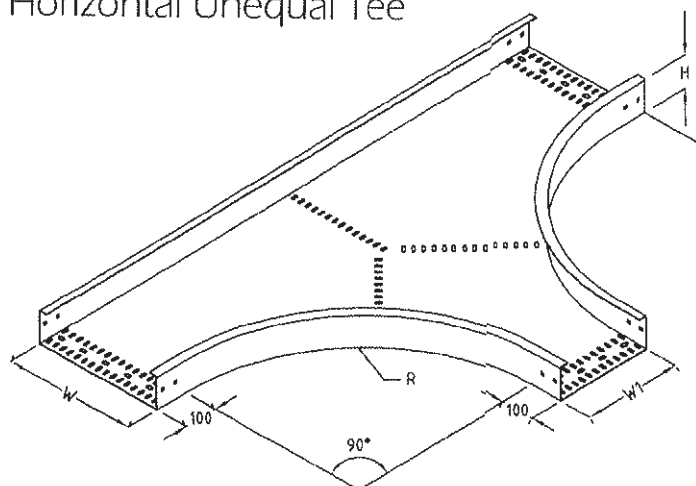
Steel Perforated Cable Tray - 45° Elbow
Type: UL/TR/EL45



Steel Perforated Cable Tray - Horizontal Equal Tee
Type: UL/TR/ET

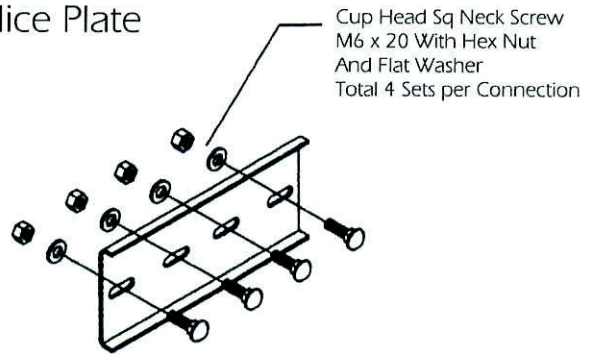
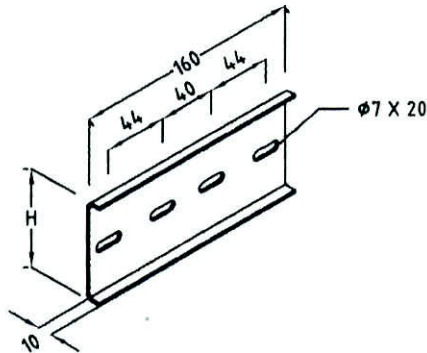


Steel Perforated Cable Tray - Horizontal Unequal Tee
Type: UL/TR/UT

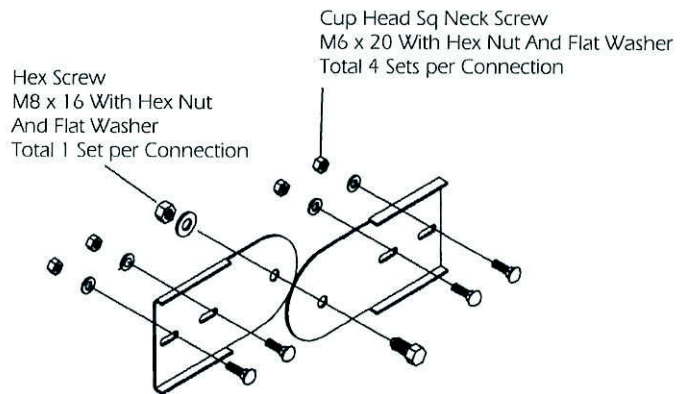
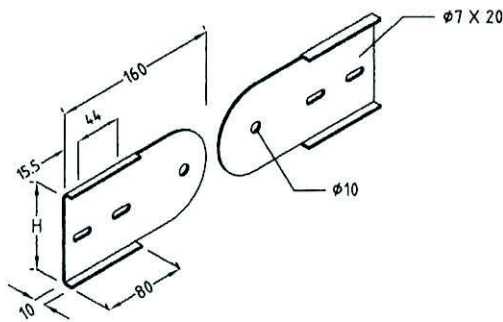


Steel Perforated Cable Tray

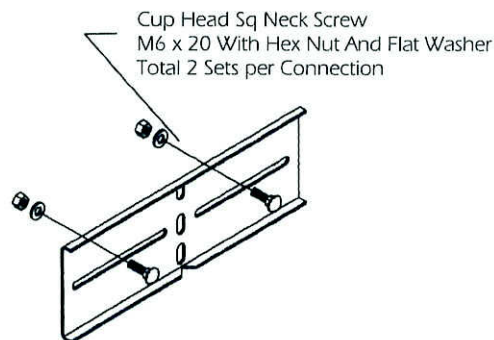
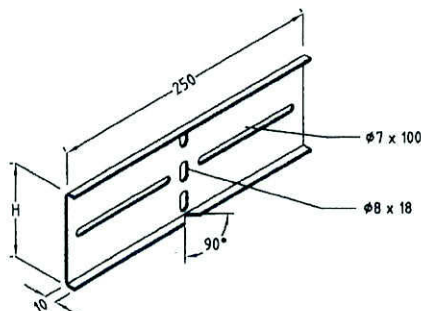
Steel Perforated Cable Tray - Horizontal Splice Plate Type: UL/TT or TC/HS



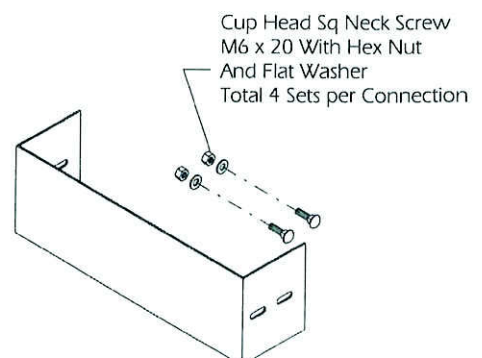
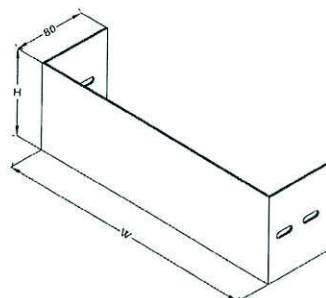
Steel Perforated Cable Tray - Vertical Adjustable Splice Plate Type: UL/TT or TC/VS



Steel Perforated Cable Tray - Horizontal Adjustable Splice Plate Type: UL/TT or TC/HP



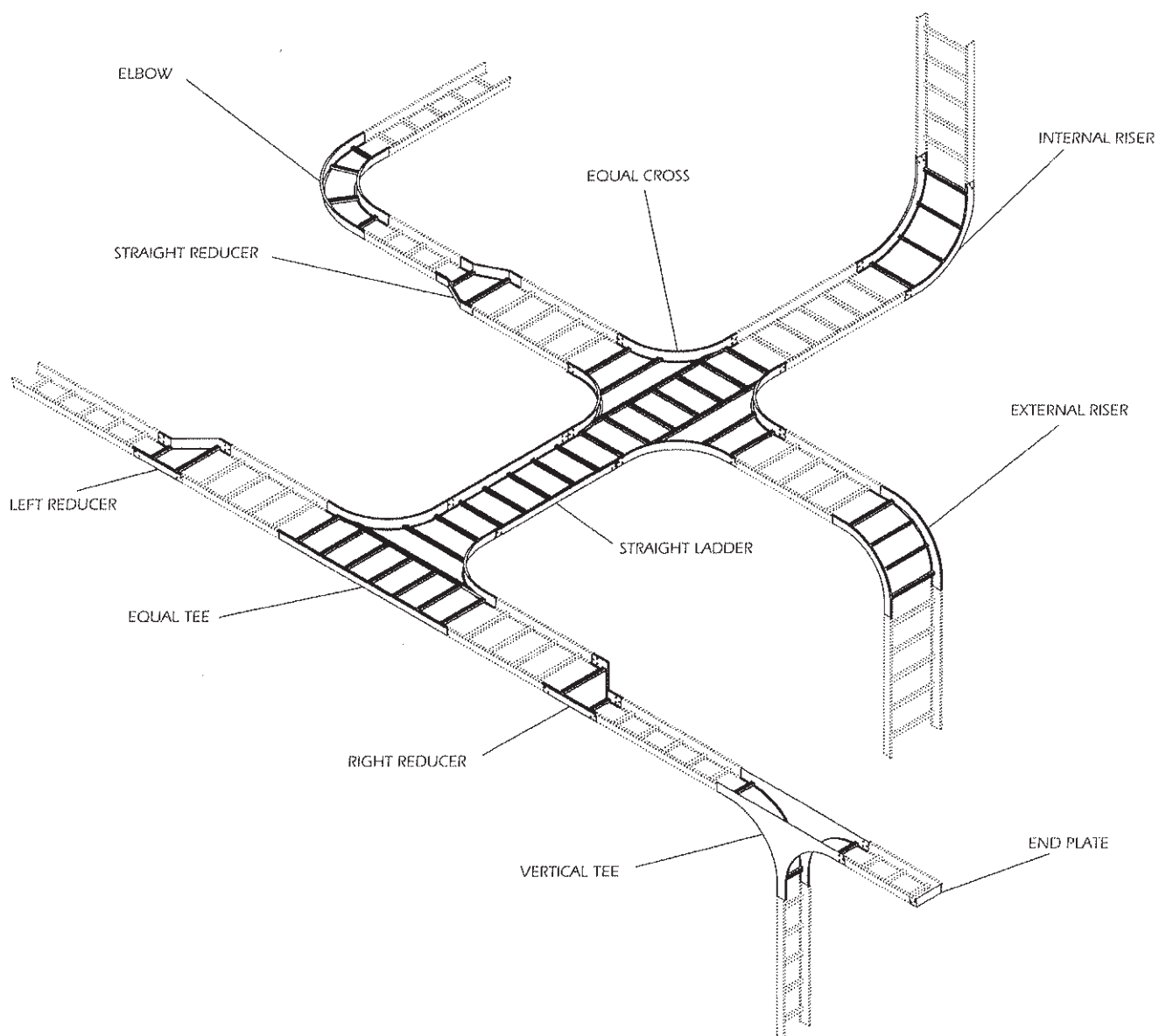
Steel Perforated Cable Tray - End Cap Type: UL/TT/EP or UL/TC/EP



When ordering please indicate Type, Finish and Sizes as in straight cable tray.

Steel Cable Ladder

U-LI™ Steel Cable Ladder Typical Layout



Steel Cable Ladder

U-LI™ Cable Ladder Product Range

U-LI™ design of Cable Ladder is compact and fast to install, with both straight Cable Ladder and all accessories having a unique integrated coupling system.

U-LI™ offers a wide range of options to suit your design and with load rated to NEMA VE1. We also manufacture Extra Heavy Duty Cable Ladder upon request.

U-LI™ offers multi side rails, rungs and slots profile for your design needs and applications. It has the advantage of quick on site installation, cut to length and reconnection.

U-LI™ offers a wide range of materials to suit the site condition and also choices of final finishes.

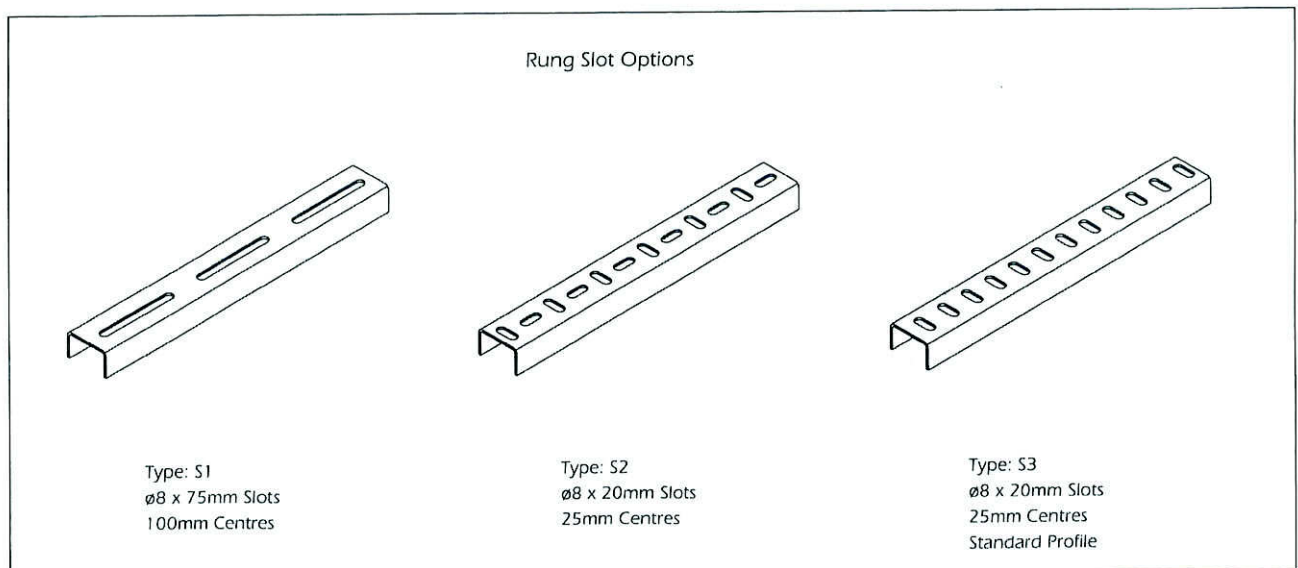
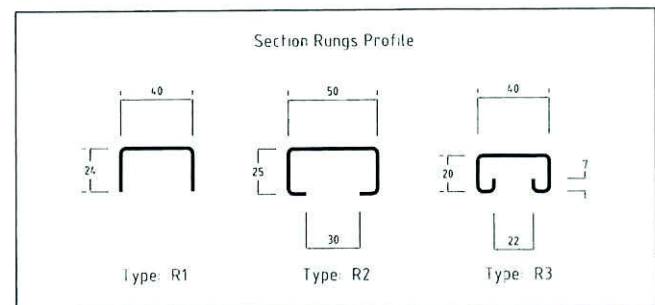
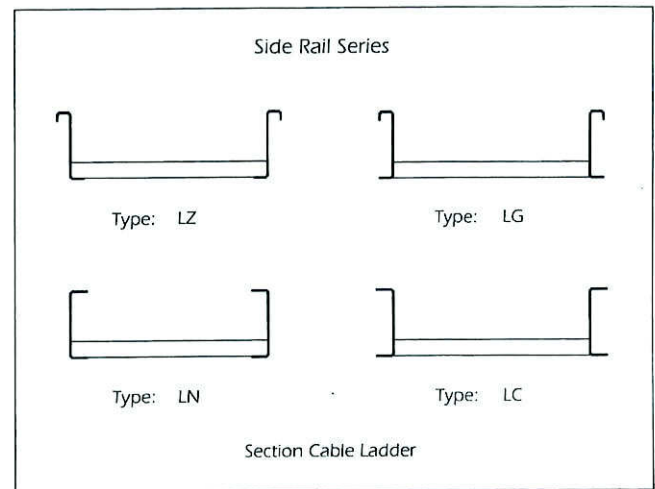
Materials:

1. Hot roll mild steel. JISG 3131 SPHC
2. Cold roll mild steel. JISG 3141 SPCC - SD
3. Pre-Galvanised steel. BS 2989 or JISG 3302 SGCC
4. Electro-Galvanised. BS 1449 Pt 1:1983
5. Stainless steel. AISI 304, 316 or 316L
6. Aluminium.

Materials thickness range from 1mm thick to 3mm thick.

Finishing:

1. Hot dip galvanised.
ASTM A123, BS EN ISO 1461:1999
2. Epoxy coated - ASTM D 1654, BS 6920
3. Polyester coated - ASTM D 1654, BS 6920

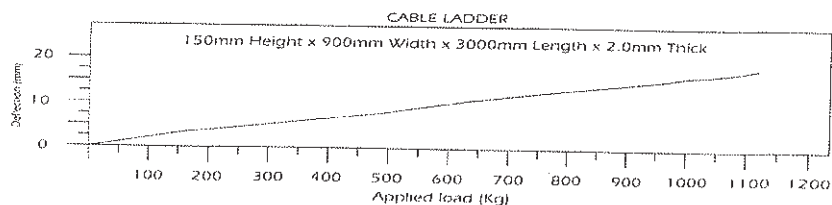
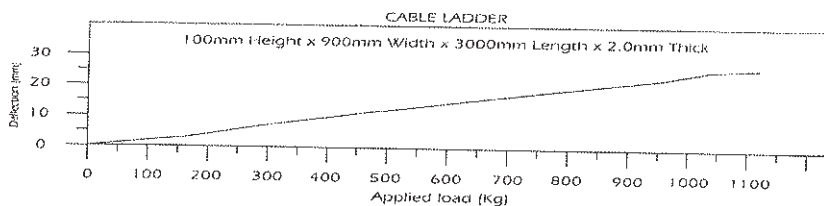
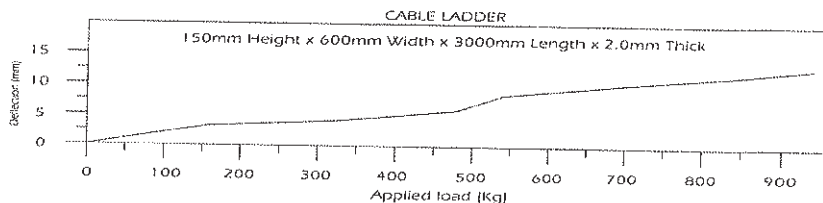
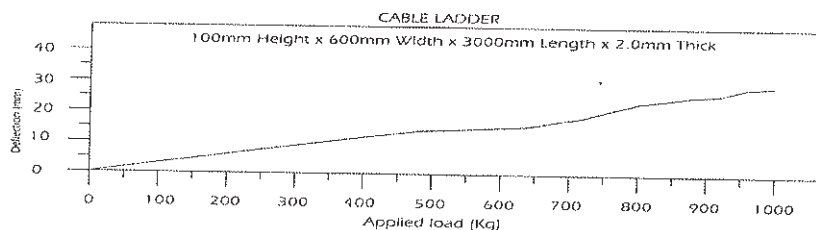
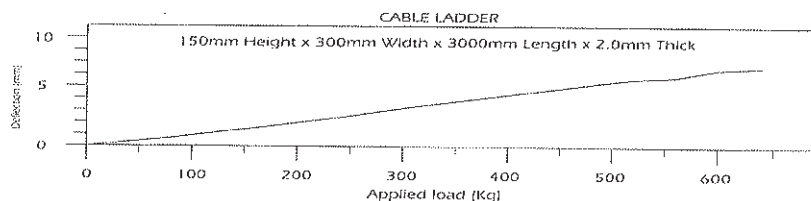
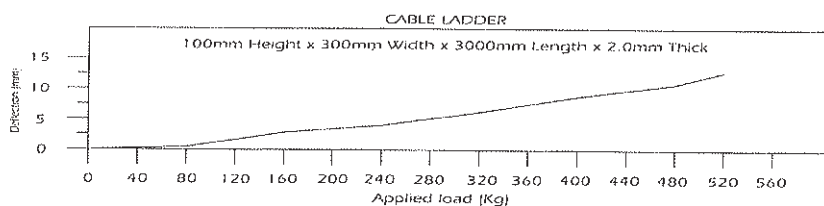


Steel Cable Ladder

Loading Graphs

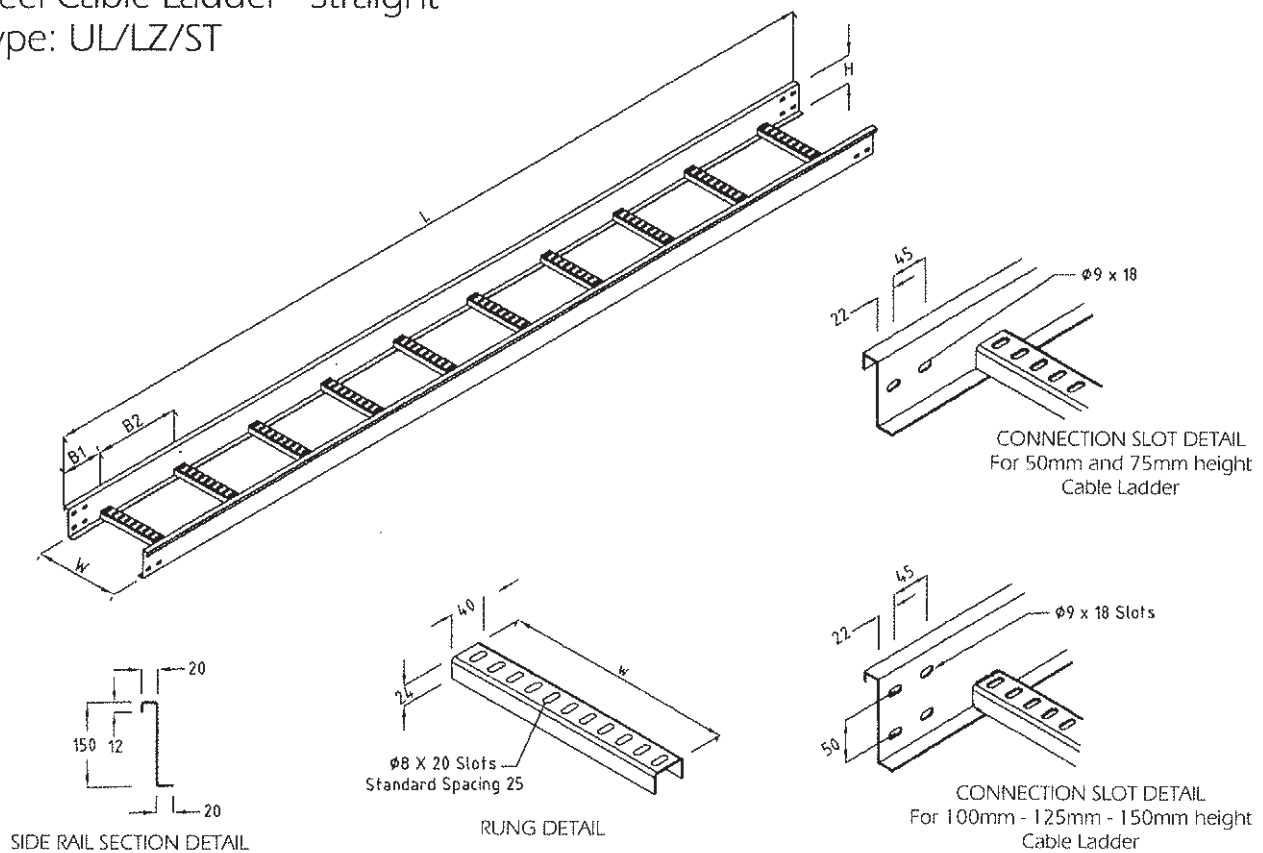
The graphs indicate deflection and safe working loads for continuous horizontal runs, the cable ladder upper limits on each graph shows the maximum working load for the ladder on the given span. For information on loads and deflection in these circumstances further advice should be sought from United U-Li™.

These test were carried out using cable ladder Type:LZ manufactured from mild steel. The use of other steels will cause variation to this data and further advise on this should be requested from United U-Li™. The test were conducted to NEMA VE1 specification and verified by SIRIM Qas International Sdn Bhd.



Steel Cable Ladder

Steel Cable Ladder - Straight Type: UL/LZ/ST



Components Ref.	H	W	B1	B2	L	Thickness	Finish
UL/LZ/ST/2-6	50	150	150	300	3000	1.5	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/LZ/ST/2-8	50	200	150	300	3000	1.5	
UL/LZ/ST/2-10	50	250	150	300	3000	1.5	
UL/LZ/ST/2-12	50	300	150	300	3000	1.5	
UL/LZ/ST/3-6	75	150	150	300	3000	1.5	
UL/LZ/ST/3-8	75	200	150	300	3000	1.5	
UL/LZ/ST/3-10	75	250	150	300	3000	1.5	
UL/LZ/ST/3-12	75	300	150	300	3000	1.5	
UL/LZ/ST/4-6	100	150	150	300	3000	2.0	
UL/LZ/ST/4-8	100	200	150	300	3000	2.0	
UL/LZ/ST/4-10	100	250	150	300	3000	2.0	
UL/LZ/ST/4-12	100	300	150	300	3000	2.0	
UL/LZ/ST/4-16	100	400	150	300	3000	2.0	
UL/LZ/ST/4-18	100	450	150	300	3000	2.0	
UL/LZ/ST/4-20	100	500	150	300	3000	2.0	
UL/LZ/ST/4-24	100	600	150	300	3000	2.0	
UL/LZ/ST/4-30	100	750	150	300	3000	2.0	
UL/LZ/ST/4-36	100	900	150	300	3000	2.0	
UL/LZ/ST/4-40	100	1000	150	300	3000	2.0	
UL/LZ/ST/5-8	125	200	150	300	3000	2.0	

Components Ref.	H	W	B1	B2	L	Thickness	Finish
UL/LZ/ST/5-10	125	250	150	300	3000	2.0	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/LZ/ST/5-12	125	300	150	300	3000	2.0	
UL/LZ/ST/5-16	125	400	150	300	3000	2.0	
UL/LZ/ST/5-18	125	450	150	300	3000	2.0	
UL/LZ/ST/5-20	125	500	150	300	3000	2.0	
UL/LZ/ST/5-24	125	600	150	300	3000	2.0	
UL/LZ/ST/5-30	125	750	150	300	3000	2.0	
UL/LZ/ST/5-36	125	900	150	300	3000	2.0	
UL/LZ/ST/5-40	125	1000	150	300	3000	2.0	
UL/LZ/ST/6-8	150	200	150	300	3000	2.0	
UL/LZ/ST/6-10	150	250	150	300	3000	2.0	
UL/LZ/ST/6-12	150	300	150	300	3000	2.0	
UL/LZ/ST/6-16	150	400	150	300	3000	2.0	
UL/LZ/ST/6-18	150	450	150	300	3000	2.0	
UL/LZ/ST/6-20	150	500	150	300	3000	2.0	
UL/LZ/ST/6-24	150	600	150	300	3000	2.0	
UL/LZ/ST/6-30	150	750	150	300	3000	2.0	
UL/LZ/ST/6-32	150	800	150	300	3000	2.0	
UL/LZ/ST/6-36	150	900	150	300	3000	2.0	
UL/LZ/ST/6-40	150	1000	150	300	3000	2.0	

Dimension in Millimetre

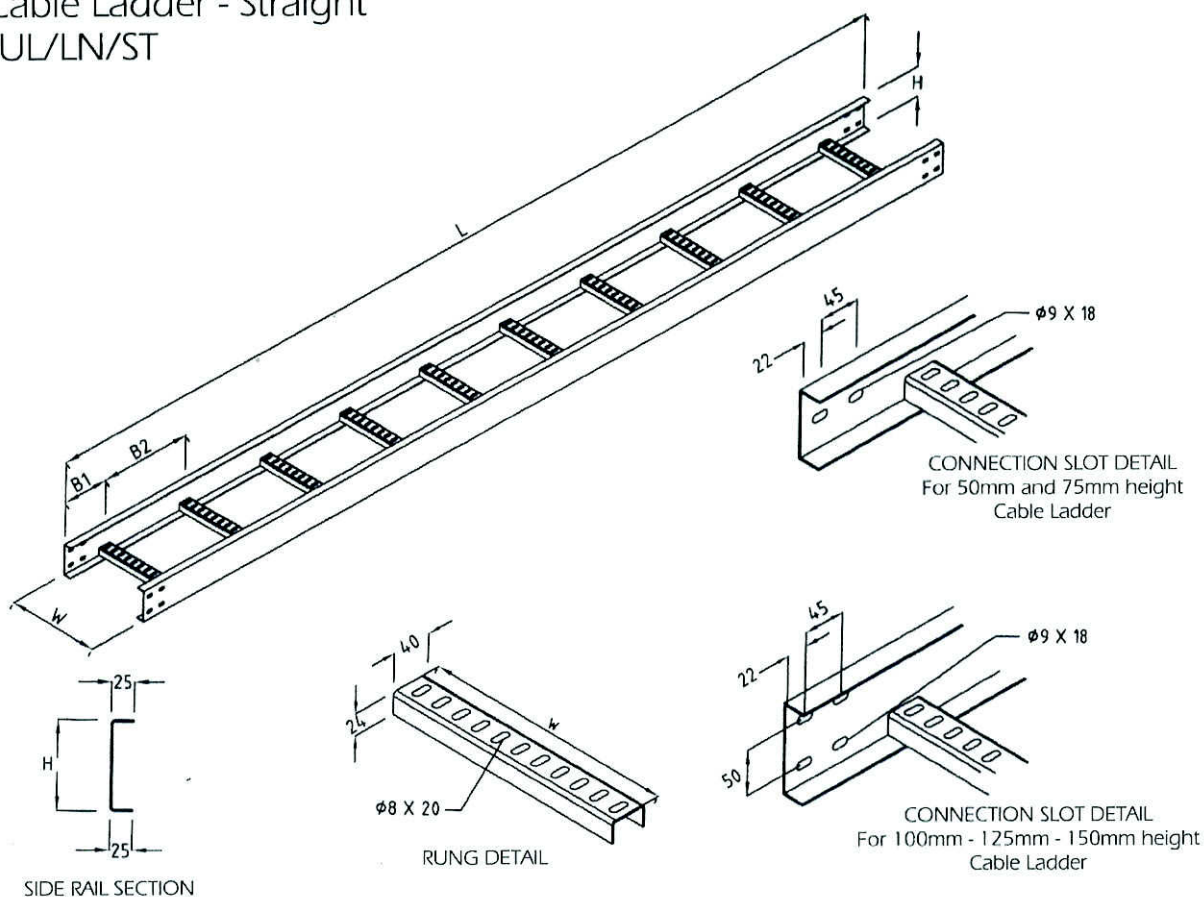
Abbreviation. B - Rung Spacing H - Height L - Length W - Width

When ordering please indicate Material and Finish.

We also supply other sizes with the same Side Rail, Rung Profile and various number of Connection Slots.

Steel Cable Ladder

Steel Cable Ladder - Straight Type: UL/LN/ST



Components Ref.	H	W	B1	B2	L	Thickness	Finish
UL/LN/ST/2-6	50	150	150	300	3000	1.5	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/LN/ST/2-8	50	200	150	300	3000	1.5	
UL/LN/ST/2-10	50	250	150	300	3000	1.5	
UL/LN/ST/2-12	50	300	150	300	3000	1.5	
UL/LN/ST/3-6	75	150	150	300	3000	1.5	
UL/LN/ST/3-8	75	200	150	300	3000	1.5	
UL/LN/ST/3-10	75	250	150	300	3000	1.5	
UL/LN/ST/3-12	75	300	150	300	3000	1.5	
UL/LN/ST/4-6	100	150	150	300	3000	2.0	
UL/LN/ST/4-8	100	200	150	300	3000	2.0	
UL/LN/ST/4-10	100	250	150	300	3000	2.0	
UL/LN/ST/4-12	100	300	150	300	3000	2.0	
UL/LN/ST/4-16	100	400	150	300	3000	2.0	
UL/LN/ST/4-18	100	450	150	300	3000	2.0	
UL/LN/ST/4-20	100	500	150	300	3000	2.0	
UL/LN/ST/4-24	100	600	150	300	3000	2.0	
UL/LN/ST/4-30	100	750	150	300	3000	2.0	
UL/LN/ST/4-36	100	900	150	300	3000	2.0	
UL/LN/ST/4-40	100	1000	150	300	3000	2.0	
UL/LN/ST/5-8	125	200	150	300	3000	2.0	

Components Ref.	H	W	B1	B2	L	Thickness	Finish
UL/LN/ST/5-10	125	250	150	300	3000	2.0	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/LN/ST/5-12	125	300	150	300	3000	2.0	
UL/LN/ST/5-16	125	400	150	300	3000	2.0	
UL/LN/ST/5-18	125	450	150	300	3000	2.0	
UL/LN/ST/5-20	125	500	150	300	3000	2.0	
UL/LN/ST/5-24	125	600	150	300	3000	2.0	
UL/LN/ST/5-30	125	750	150	300	3000	2.0	
UL/LN/ST/5-36	125	900	150	300	3000	2.0	
UL/LN/ST/5-40	125	1000	150	300	3000	2.0	
UL/LN/ST/6-8	150	200	150	300	3000	2.0	
UL/LN/ST/6-10	150	250	150	300	3000	2.0	
UL/LN/ST/6-12	150	300	150	300	3000	2.0	
UL/LN/ST/6-16	150	400	150	300	3000	2.0	
UL/LN/ST/6-18	150	450	150	300	3000	2.0	
UL/LN/ST/6-20	150	500	150	300	3000	2.0	
UL/LN/ST/6-24	150	600	150	300	3000	2.0	
UL/LN/ST/6-30	150	750	150	300	3000	2.0	
UL/LN/ST/6-32	150	800	150	300	3000	2.0	
UL/LN/ST/6-36	150	900	150	300	3000	2.0	
UL/LN/ST/6-40	150	1000	150	300	3000	2.0	

Dimension in Millimetre

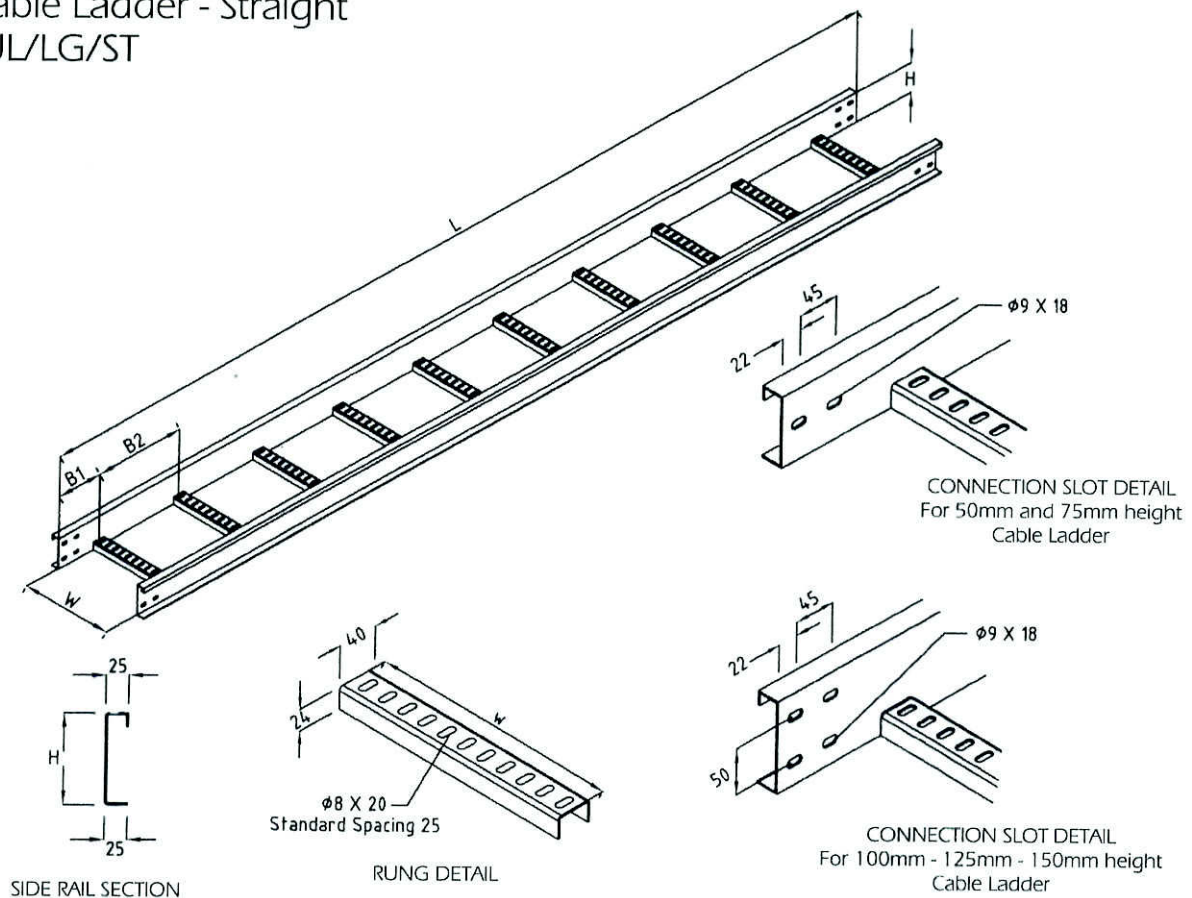
Abbreviation. W - Width H - Height B - Rung Spacing L - Length

When ordering please indicate Material and Finish.

We also supply other sizes with the same Side Rail, Rung Profile and various number of Connection Slots.

Steel Cable Ladder

Steel Cable Ladder - Straight Type: UL/LG/ST



Components Ref.	H	W	B1	B2	L	Thickness	Finish
UL/LG/ST/2-6	50	150	150	300	3000	1.5	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/LG/ST/2-8	50	200	150	300	3000	1.5	
UL/LG/ST/2-10	50	250	150	300	3000	1.5	
UL/LG/ST/2-12	50	300	150	300	3000	1.5	
UL/LG/ST/3-6	75	150	150	300	3000	1.5	
UL/LG/ST/3-8	75	200	150	300	3000	1.5	
UL/LG/ST/3-10	75	250	150	300	3000	1.5	
UL/LG/ST/3-12	75	300	150	300	3000	1.5	
UL/LG/ST/4-6	100	150	150	300	3000	2.0	
UL/LG/ST/4-8	100	200	150	300	3000	2.0	
UL/LG/ST/4-10	100	250	150	300	3000	2.0	
UL/LG/ST/4-12	100	300	150	300	3000	2.0	
UL/LG/ST/4-16	100	400	150	300	3000	2.0	
UL/LG/ST/4-18	100	450	150	300	3000	2.0	
UL/LG/ST/4-20	100	500	150	300	3000	2.0	
UL/LG/ST/4-24	100	600	150	300	3000	2.0	
UL/LG/ST/4-30	100	750	150	300	3000	2.0	
UL/LG/ST/4-36	100	900	150	300	3000	2.0	
UL/LG/ST/4-40	100	1000	150	300	3000	2.0	
UL/LG/ST/5-8	125	200	150	300	3000	2.0	

Components Ref.	H	W	B1	B2	L	Thickness	Finish
UL/LG/ST/5-10	125	250	150	300	3000	2.0	Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless
UL/LG/ST/5-12	125	300	150	300	3000	2.0	
UL/LG/ST/5-16	125	400	150	300	3000	2.0	
UL/LG/ST/5-18	125	450	150	300	3000	2.0	
UL/LG/ST/5-20	125	500	150	300	3000	2.0	
UL/LG/ST/5-24	125	600	150	300	3000	2.0	
UL/LG/ST/5-30	125	750	150	300	3000	2.0	
UL/LG/ST/5-36	125	900	150	300	3000	2.0	
UL/LG/ST/5-40	125	1000	150	300	3000	2.0	
UL/LG/ST/6-8	150	200	150	300	3000	2.0	
UL/LG/ST/6-10	150	250	150	300	3000	2.0	
UL/LG/ST/6-12	150	300	150	300	3000	2.0	
UL/LG/ST/6-16	150	400	150	300	3000	2.0	
UL/LG/ST/6-18	150	450	150	300	3000	2.0	
UL/LG/ST/6-20	150	500	150	300	3000	2.0	
UL/LG/ST/6-24	150	600	150	300	3000	2.0	
UL/LG/ST/6-30	150	750	150	300	3000	2.0	
UL/LG/ST/6-32	150	800	150	300	3000	2.0	
UL/LG/ST/6-36	150	900	150	300	3000	2.0	
UL/LG/ST/6-40	150	1000	150	300	3000	2.0	

Dimension in Millimetre

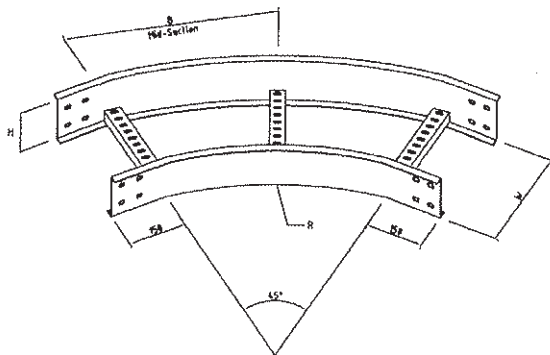
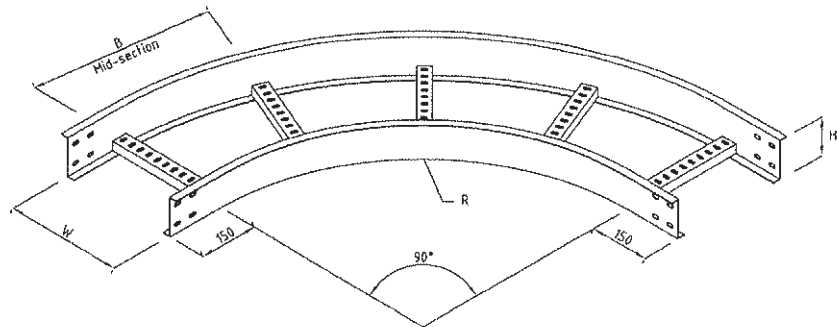
Abbreviation. B - Rung Spacing H - Height L - Length

When ordering please indicate Material and Finish.

We also supply other sizes with the same Side Rail, Rung Profile and various number of Connection Slots.

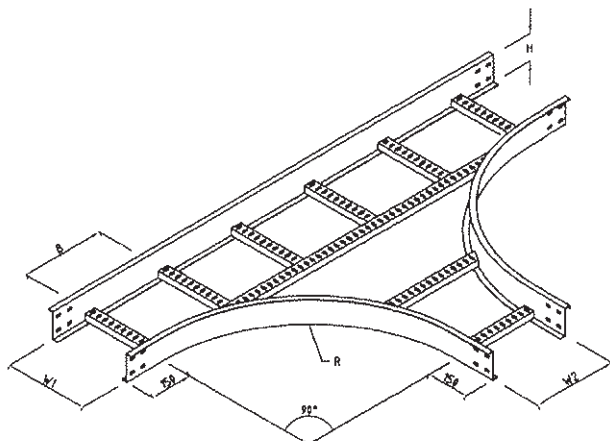
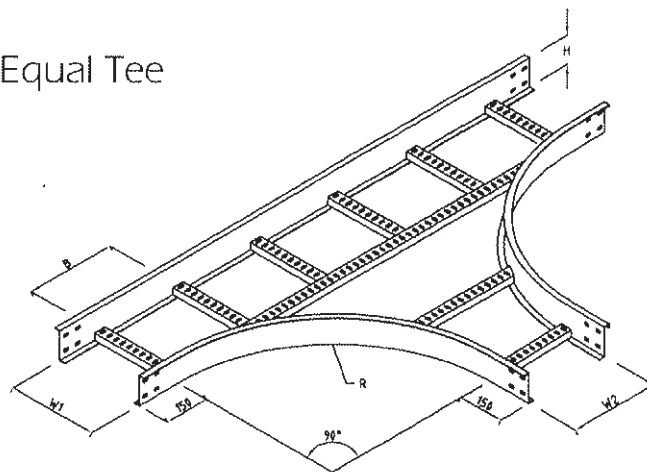
Steel Cable Ladder

Steel Cable Ladder - 90° Elbow
Type: UL/LZ/EL90



Steel Cable Ladder - 45° Elbow
Type: UL/LZ/EL45

Steel Cable Ladder - Horizontal Equal Tee
Type: UL/LZ/ET



Steel Cable Ladder - Unequal Tee
Type: UL/LZ/UT

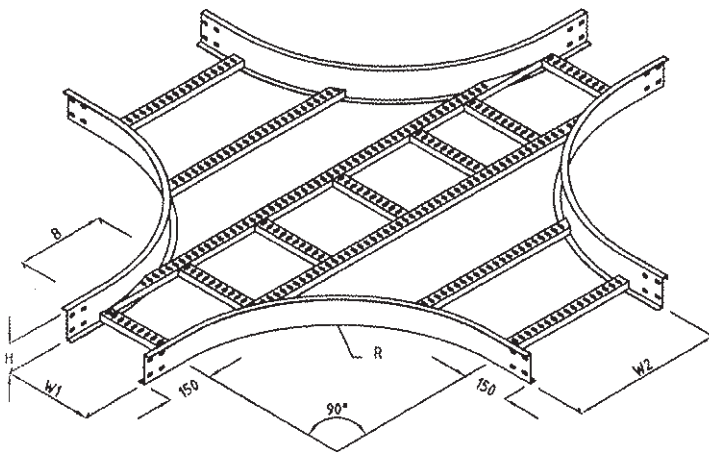
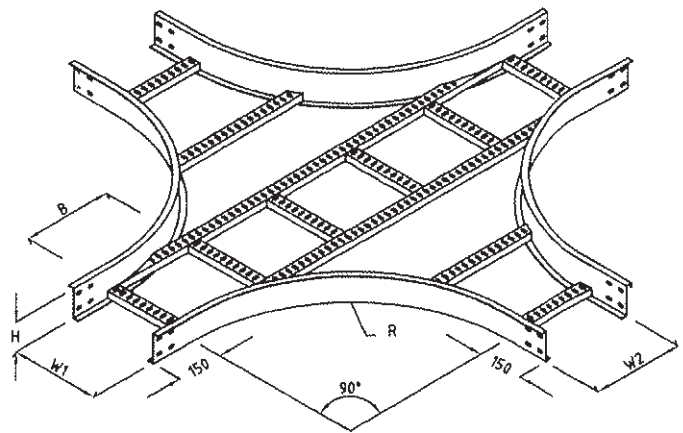
Dimension in Millimetre

Abbreviation. B - Rung Spacing H - Height R - Radii W - Width

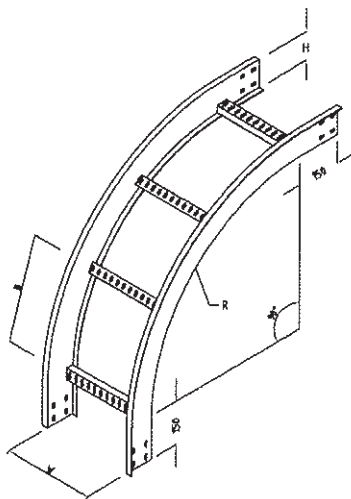
When ordering Material and Finish as straight cable ladder please also indicate Radius and Width (W2)

Steel Cable Ladder

Steel Cable Ladder - Equal Crosses
Type: UL/LZ/EC

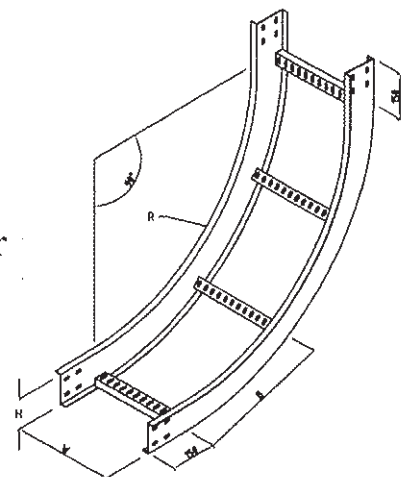


Steel Cable Ladder - Unequal Crosses
Type: UL/LZ/UC



Steel Cable Ladder - External Riser
Type: UL/LZ/IR

Steel Cable Ladder - Internal Riser
Type: UL/LZ/ER

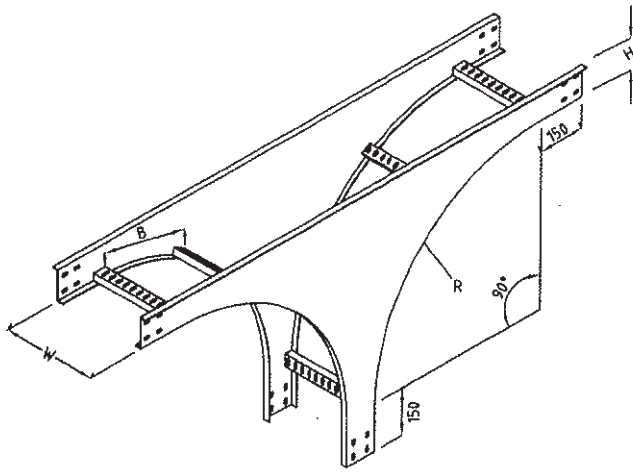


Dimension in Millimetre

Abbreviation. B - Rung Spacing H - Height R - Radii W - Width

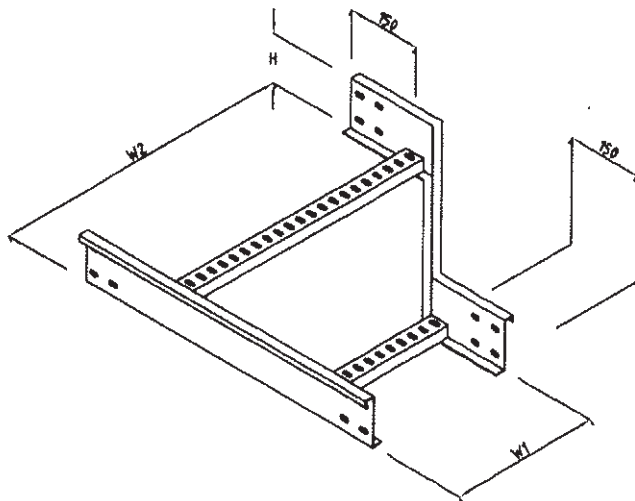
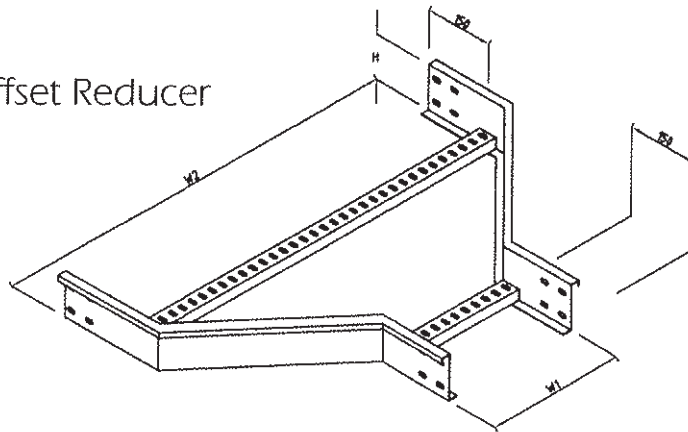
When ordering Material and Finish as straight cable ladder please also indicate Radius.

Steel Cable Ladder



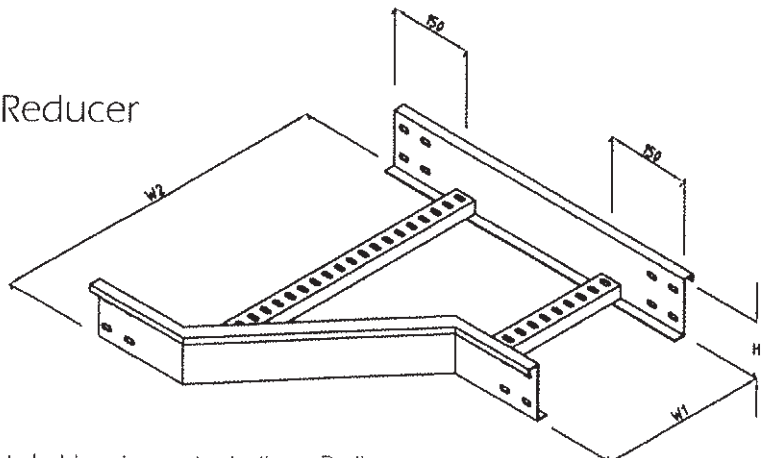
Steel Cable Ladder - 90° Vertical Tee
Type: UL/LZ/VT90

Steel Cable Ladder - Straight Offset Reducer
Type: UL/LZ/SR



Steel Cable Ladder - Right Offset Reducer
Type: UL/LZ/RR

Steel Cable Ladder - Left Offset Reducer
Type: UL/LZ/LR

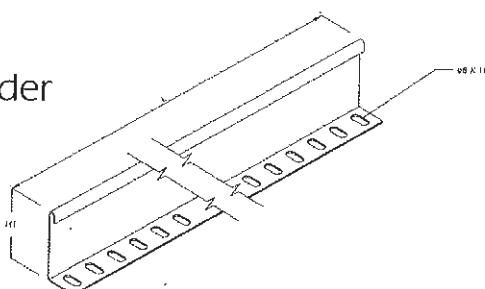
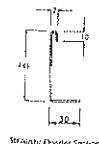


Dimension in Millimetre
Abbreviation. H - Height

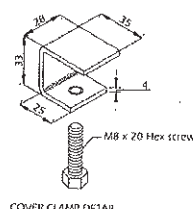
When ordering Material and Finish as straight cable ladder please also indicate Radius.

Steel Cable Ladder

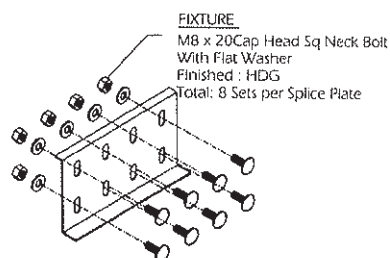
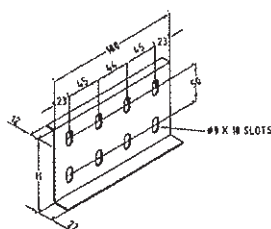
Steel Cable Ladder - Straight Divider
Type: UL/LZ/SD



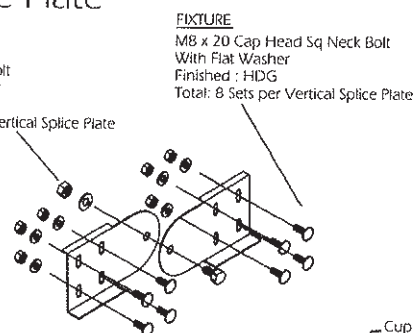
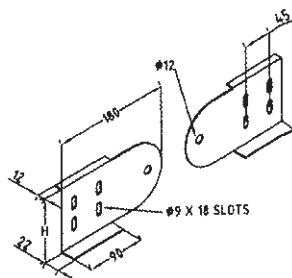
Steel Cable Ladder - Straight Cover Clamp



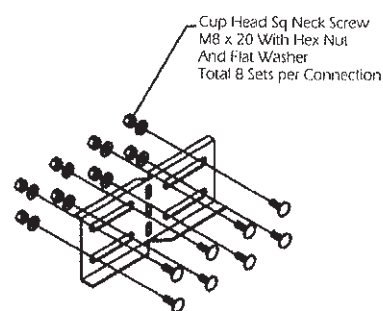
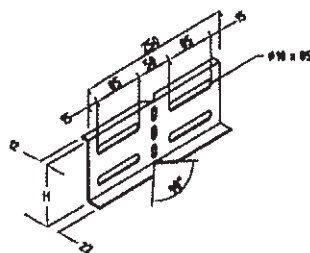
Steel Cable Ladder - Horizontal Splice Plate



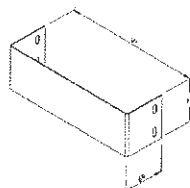
Steel Cable Ladder - Vertical Adjustable Splice Plate



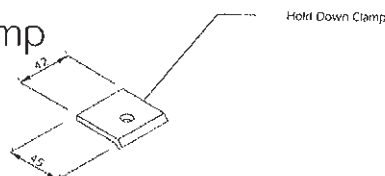
Steel Cable Ladder - Horizontal Adjustable Splice Plate



Steel Cable Ladder - End Plate



Steel Cable Ladder - Hold Down Clamp

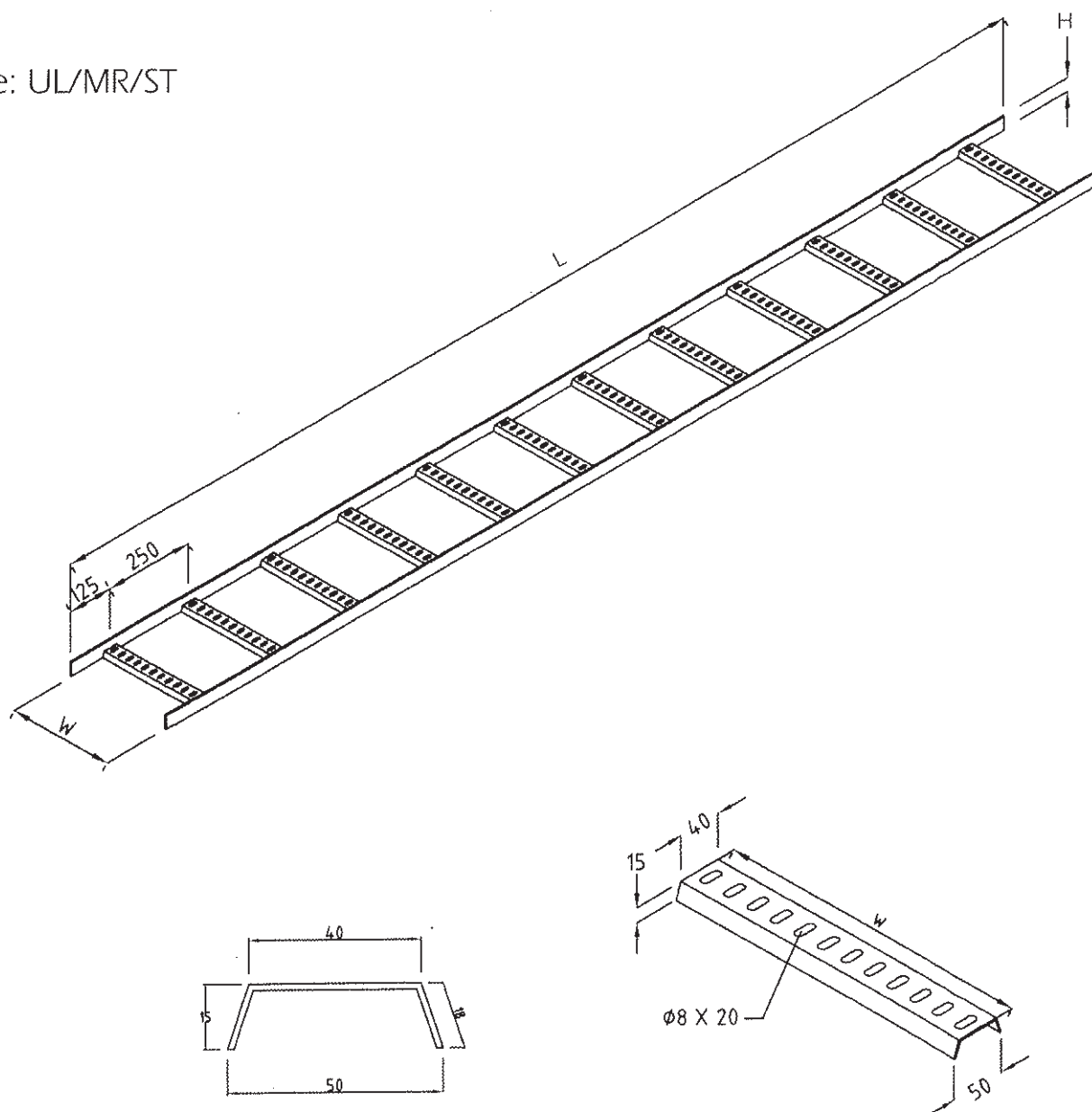


Dimension in Millimetre
Abbreviation. H - Height

When ordering Material and Finish as straight cable ladder please also indicate Radius.

Steel Marine Ladder

Type: UL/MR/ST



Components Ref.	H	W	B1	B2	L	Side (t)	Rung (t)
UL/MR/ST-1	38	150	125	250	3000	4.0	2.0
UL/MR/ST-2	38	200	125	250	3000	4.0	2.0
UL/MR/ST-3	38	250	125	250	3000	4.0	2.0
UL/MR/ST-4	38	300	125	250	3000	4.0	2.0
UL/MR/ST-5	38	400	125	250	3000	4.0	2.0

Components Ref.	H	W	B1	B2	L	Side (t)	Rung (t)
UL/MR/ST-6	38	450	125	250	3000	4.0	2.0
UL/MR/ST-7	38	500	125	250	3000	4.0	2.0
UL/MR/ST-8	38	600	125	250	3000	4.0	2.0
UL/MR/ST-9	38	750	125	250	3000	4.0	2.0
UL/MR/ST-10	38	900	125	250	3000	4.0	2.0
UL/MR/ST-11	38	1000	125	250	3000	4.0	2.0

Finished: Hot Dip Galvanised - Epoxy or Polyester Coated - Stainless

Dimension in Millimetre

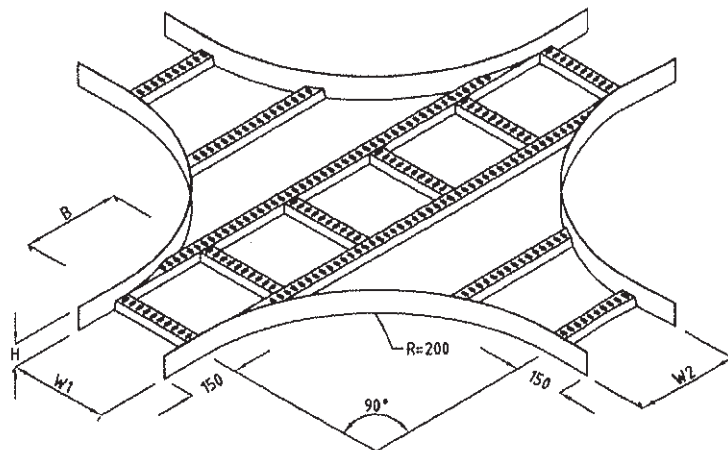
W - Width H - Height B - Rung Spacing L - Length

When ordering please indicate Material and Finish.

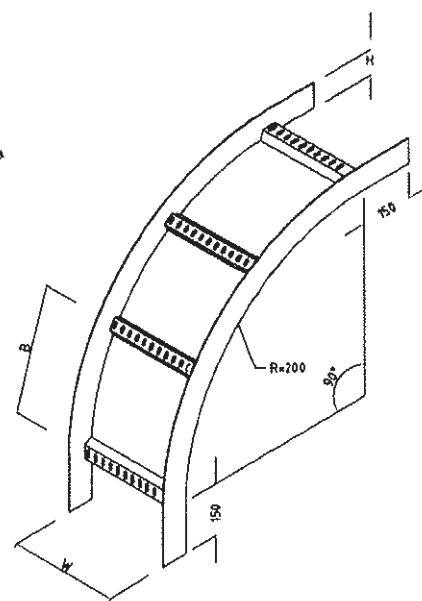
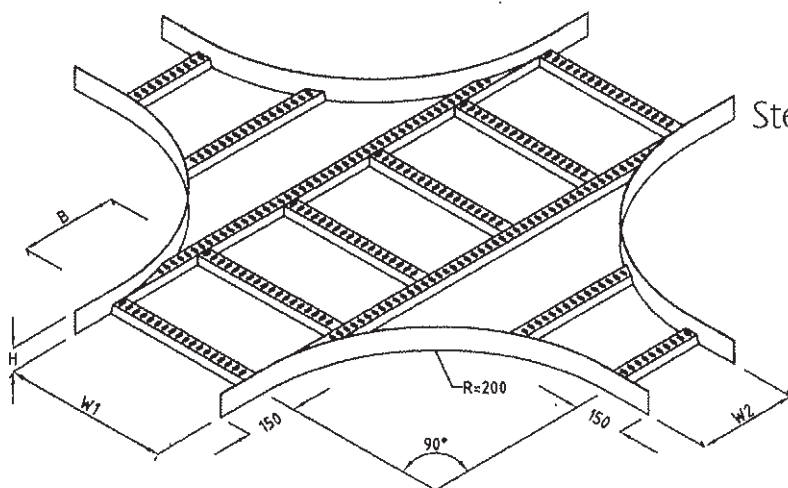
We also supply other sizes with the same Side Rail and Rung Profile.

Steel Marine Ladder

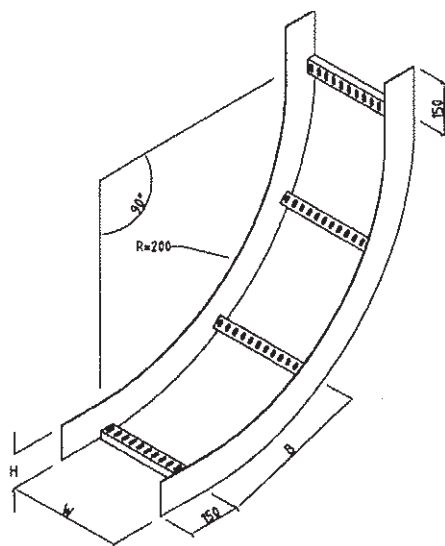
Steel Marine Ladder - Equal Crosses



Steel Marine Ladder - Unequal Crosses



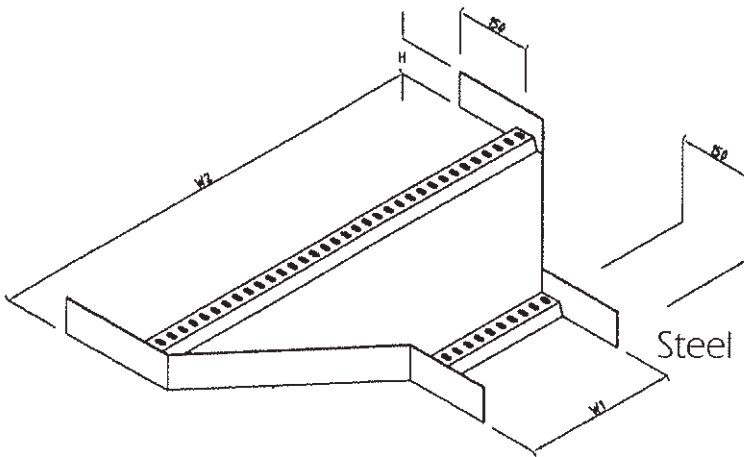
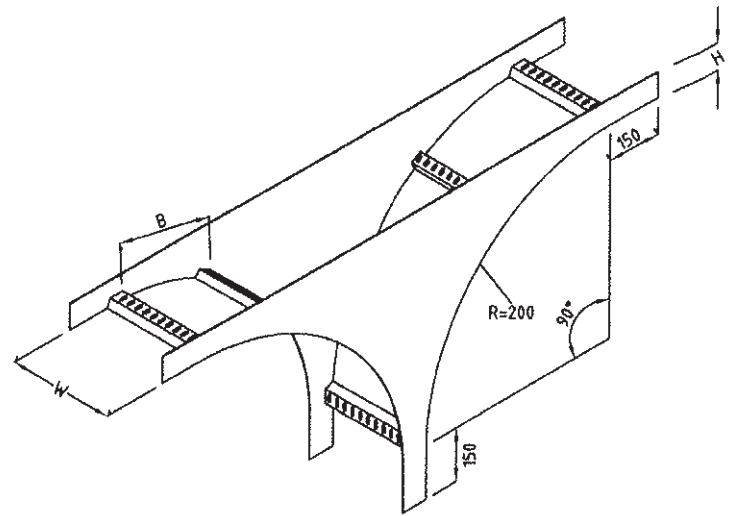
Steel Marine Ladder - Internal Riser



Steel Marine Ladder - External Riser

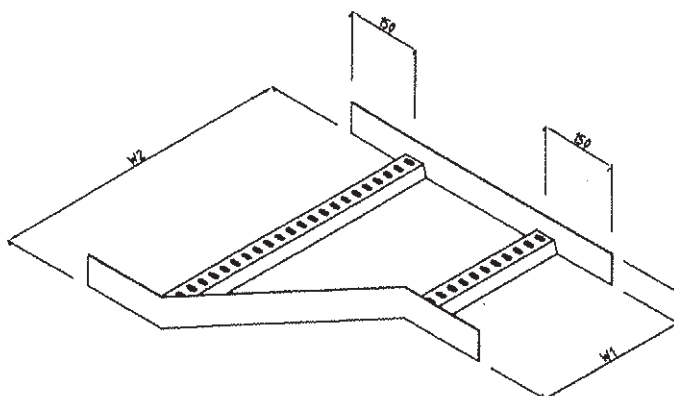
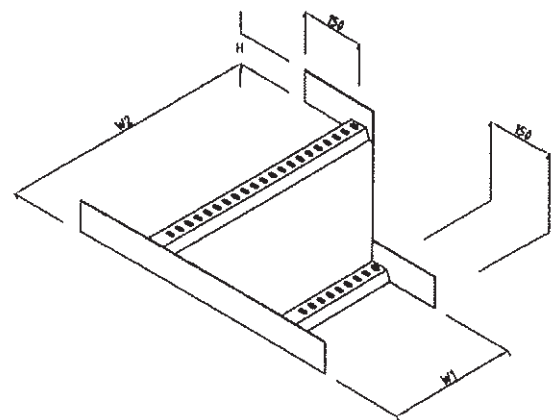
Steel Marine Ladder

Steel Marine Ladder - 90° Vertical Tee



Steel Marine Ladder - Straight Offset Reducer

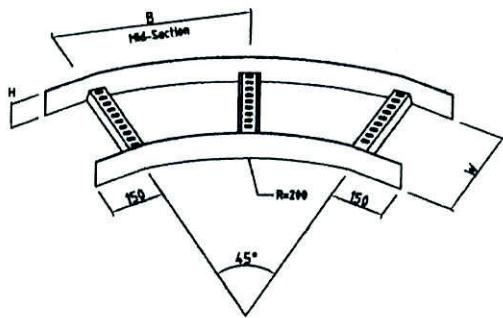
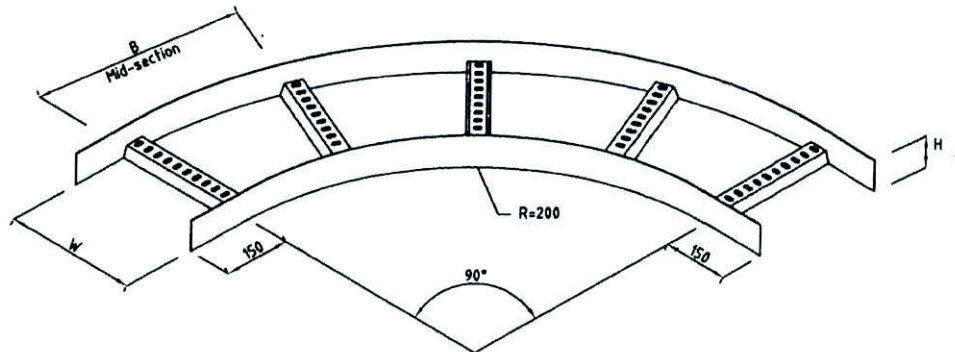
Steel Marine Ladder - Right Offset Reducer



Steel Marine Ladder - Left Offset Reducer

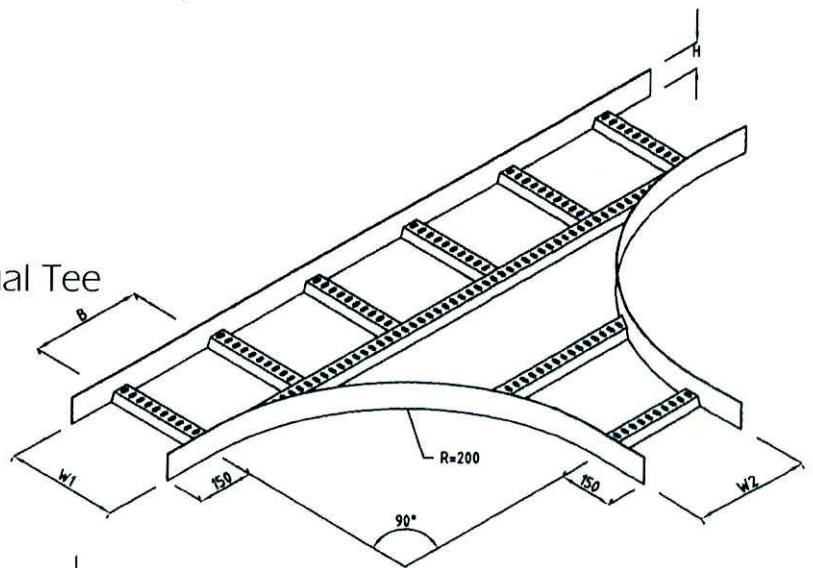
Steel Marine Ladder

Steel Marine Ladder - 90° Elbow

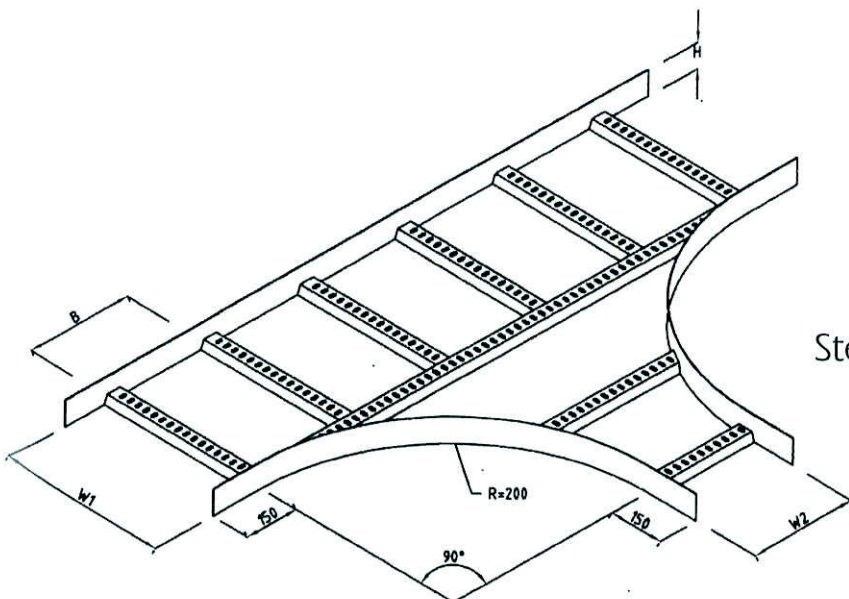


Steel Marine Ladder - 45° Elbow

Steel Marine Ladder - Horizontal Equal Tee



Steel Marine Ladder - Unequal Tee





SIRIM QAS International Sdn. Bhd. (Company No. 410334-X)
No. 1, Persiaran Dato' Menteri, P.O. Box 7035, Section 2
40911 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 03-55446451
Fax: 03-55446460

TEST REPORT

REPORT NO : 2003CB0007

PAGE : 1 OF 33

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Applicant : UNITED U-LI (M) SDN. BHD.
NO. 33, Jalan Kartunis U1/ 47,
Temasya Industrial Park,
Seksyen U1,
40150 Shah Alam,
Selangor Darul Ehsan.

Manufacturer : UNITED U-LI (M) SDN. BHD.

Product : Cable Ladder Systems

Reference Standard/ : NEMA VE 1:1998
Method of test Metal Cable Tray Systems

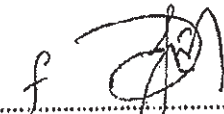
Description of sample : 39 samples of Cable Ladder were tested at factory on 18 & 19 December
2002
Brand: U-Li

Date received : 28 /11/ 2002

Job no./Ref. no. : 02TSB4214/ SQAS/CBMT/T REC/MSL/03

Issued date : 23 JAN 2003

Approved Signatories


(SERI BANUN SUJANGI)
Senior Technical Executive




(MOHD. FAUZI ISMAIL)
Senior Manager
Construction and Building Materials Testing Section
Testing Services Department



SIRIM QAS International Sdn. Bhd. (Company No. 410334-X)
No. 1, Persiaran Dato' Menteri, P.O. Box 7035, Section 2
40911 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 03-55446451
Fax: 03-55446460

TEST REPORT

REPORT NO : 2003CB1290

PAGE : 1 OF 40

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Applicant : UNITED U-LI (M) SDN. BHD.
NO. 33, Jalan Kartunis U1/ 47,
Temasya Industrial Park,
Seksyen U1,
40150 Shah Alam,
Selangor Darul Ehsan.

Manufacturer : UNITED U-LI (M) SDN. BHD.

Product : Cable Tray Systems.

Reference Standard/
Method of test : NEMA VE 1:1998
Metal Cable Tray Systems

Description of sample : 40 samples of Perforated Cable Tray were tested at factory on 18 - 19
December 2002
Brand: U-Li

Date received : 28 /11/ 2002

Job no./Ref. no. : 02TSB4214/ SQAS/CBMT/T.REC/MSL/03

Issued date : 23 JAN 2003

Approved Signatories


(SERI BANUN SUJANGI)
Senior Technical Executive




(MOHD. FAUZI ISMAIL)
Senior Manager

Construction and Building Materials Testing Section
Testing Services Department

United U-LI Corporation Berhad (Co. No.510737-H)

No. 33 Jalan Kartunis U1/47, Temasya Industrial Park,
Seksyen U1, 40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.

Tel: 603-5569 5999 Fax: 603-5569 1666

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Email: hq@uli.com.my

