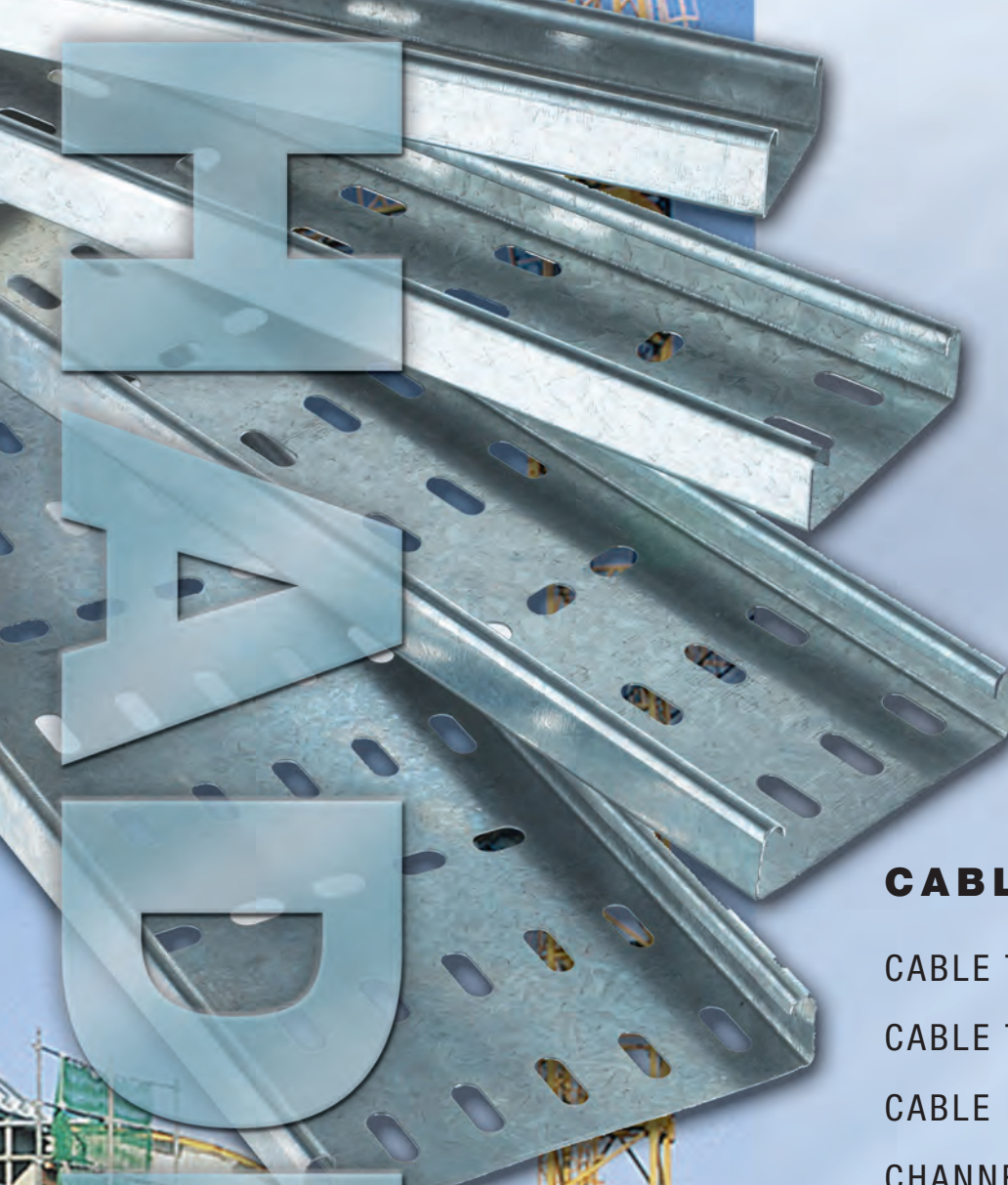




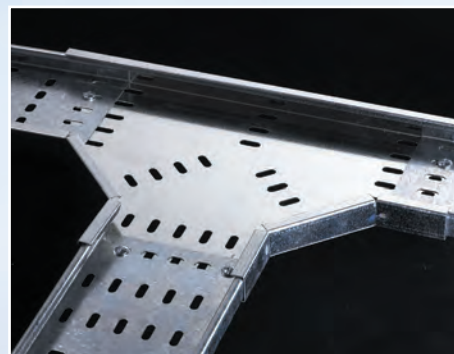
CABLE MANAGEMENT

CABLE TRUNKING

CABLE TRAY

CABLE LADDER

CHANNEL SUPPORT





INTRODUCTION

The Hadley Group is one of Europe's leading manufacturers of cold rolled sections and allied products.

Operating from purpose built premises in the United Kingdom, Dubai, Germany and Thailand, **The Hadley Group** of companies are dedicated to the provision of matchless standards of service, quality, innovation and technical expertise.

The integration of advanced research and development with in-house tool manufacture and the construction of its own rolling machines has earned **The Hadley Group**, its reputation as a major force in cold roll formed technology.

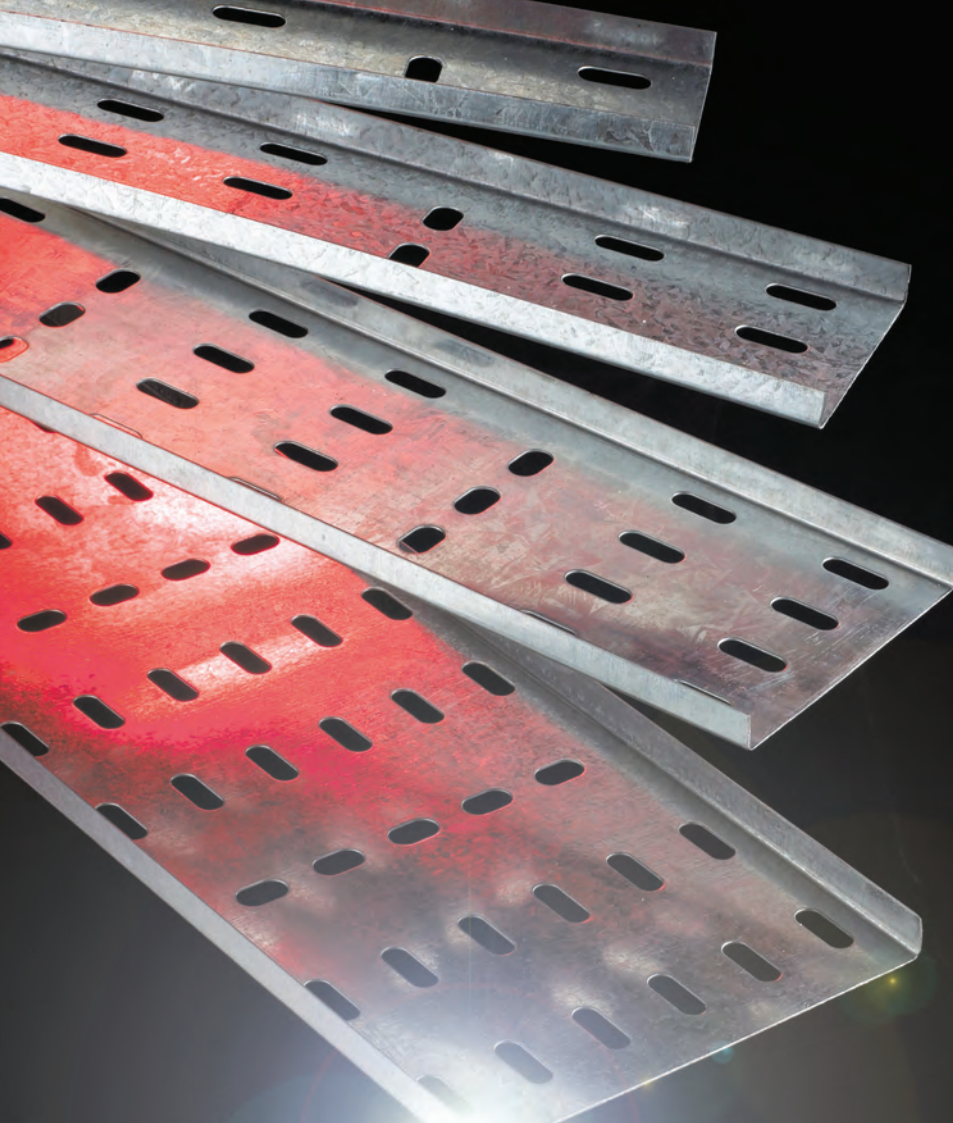
Components designed and engineered by companies within **The Hadley Group** are manufactured for use in all types of industry from automotive, construction through to aerospace.

Advanced computer aided design technology is used in the development and production of a wide range of products setting high standards of performance and reliability.

OUR MISSION STATEMENT:-

"WE WILL EXCEED OUR CUSTOMERS EXPECTATIONS BY WORKING TOGETHER PROFITABLY TO IMPROVE QUALITY AND SERVICE THROUGH INVESTMENT IN PEOPLE AND TECHNOLOGY".

SHAPING THE FUTURE IN METAL



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RETURN EDGE CABLE TRUNKING AND ACCESSORIES

FEATURES

- Nominal 3 Metre Lengths consisting of body, lid, coupler and screws.
- Half twist lock lid fixing facilitating quick fixing and easy removal.
- Smooth return edges increase strength and rigidity.
- Bushes in couplers for screw fixings provide cable security, lower installation time and snag-free interior.
- Galvanised coating provides excellent protection against corrosion.

MATERIAL SPECIFICATION:

Hot dipped galvanised sheet/coil steel (i.e. Pre-galvanised) BS EN10142:2000 formerly BS2989.

FINISH:

- Self colour galvanised. Fe P02G Z275NAC. Class 3 Heavy protection BS4678 Part 1
- Epoxy Coated.

PRODUCT STANDARDS:

British Standard BS 4678 Part 1 1971 Class 3.

PRODUCT INFORMATION:

Supplied in standard 3 metre lengths, complete with speed lock cover, connector and connector fixing screws.

COVER OPTIONS:

Alternative screw fix covers are available (from 225 only). To specify a Screw Fix cover, add prefix SFC.

Example, SFC-ST92

MATERIAL OPTIONS:

STAINLESS STEEL : BS EN10088-1 GRADE 304 2B. Add suffix 304.

Example, ST62 304

STAINLESS STEEL : BS EN10088-1 GRADE 316 2B. Add suffix 316.

Example, ST62 316

Bright annealed finish available.

ORDERING INFORMATION FOR MULTI COMPARTMENT CABLE TRUNKING:

Alternative compartment configurations are available to order as follows:

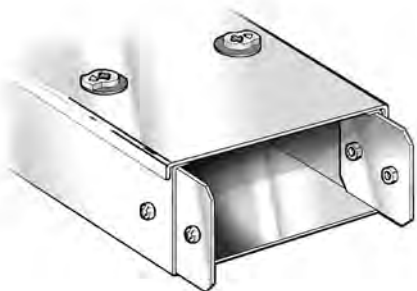
- TWO EQUAL COMPARTMENTS: Add suffix 2EC,
Example, ST62-2EC
- THREE EQUAL COMPARTMENTS: Add suffix 3EC,
Example, ST62-3EC
- TWO UNEQUAL COMPARTMENTS: Add suffix 2UC, followed by the individual compartment widths,
Example, ST62-2UC 100/50
- THREE UNEQUAL COMPARTMENTS: Add suffix 3UC, followed by the individual compartment widths,
Example, ST62-3UC 75/25/50

TRUNKING ACCESSORIES:

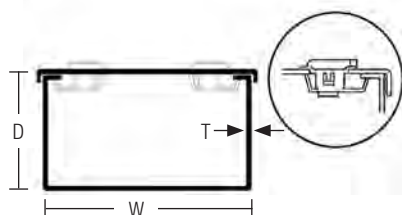
Supplied complete with screw fix cover, connectors and connector fixing screws alternatively can be supplied with Speed Lock / Turn Buckle Cover.

RETURN EDGE CABLE TRUNKING

SINGLE COMPARTMENT



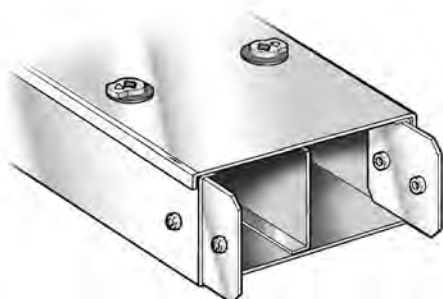
DIMENSIONS



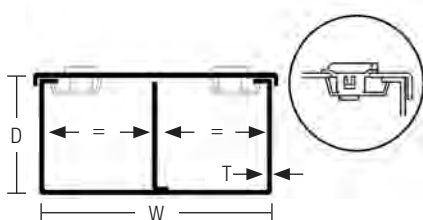
W mm	D mm	T mm	Lid Thickness mm	Product Ref.
50	50	1.0	0.8	ST22
75	50	1.2	0.9	ST32
75	75	1.2	0.9	ST33
100	50	1.2	1.0	ST42
100	75	1.2	1.0	ST43
100	100	1.2	1.0	ST44
150	50	1.2	1.0	ST62
150	75	1.2	1.0	ST63
150	100	1.2	1.0	ST64
150	150	1.4	1.2	ST66
225	50	1.2	1.2	ST92
225	75	1.2	1.2	ST93
225	100	1.5	1.2	ST94
225	150	1.5	1.2	ST96
225	225	1.5	1.2	ST99
300	50	1.2	1.2	ST122
300	75	1.2	1.2	ST123
300	100	1.5	1.2	ST124
300	150	1.5	1.2	ST126
300	300	1.5	1.2	ST1212

Other sizes and thicknesses available upon request

TWO EQUAL COMPARTMENTS



DIMENSIONS

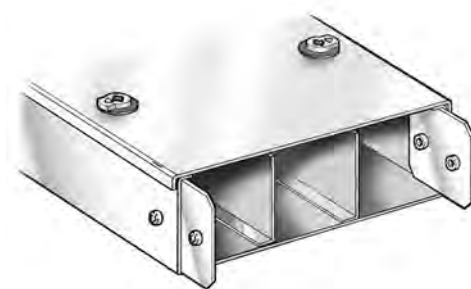


W mm	D mm	T mm	Lid Thickness mm	Product Ref.
50	50	1.0	0.8	ST22-2EC
75	50	1.2	0.9	ST32-2EC
75	75	1.2	0.9	ST33-2EC
100	50	1.2	1.0	ST42-2EC
100	75	1.2	1.0	ST43-2EC
100	100	1.2	1.0	ST44-2EC
150	50	1.2	1.0	ST62-2EC
150	75	1.2	1.0	ST63-2EC
150	100	1.2	1.0	ST64-2EC
150	150	1.4	1.2	ST66-2EC
225	50	1.2	1.2	ST92-2EC
225	75	1.2	1.2	ST93-2EC
225	100	1.5	1.2	ST94-2EC
225	150	1.5	1.2	ST96-2EC
225	225	1.5	1.2	ST99-2EC
300	50	1.2	1.2	ST122-2EC
300	75	1.2	1.2	ST123-2EC
300	100	1.5	1.2	ST124-2EC
300	150	1.5	1.2	ST126-2EC
300	300	1.5	1.2	ST1212-2EC

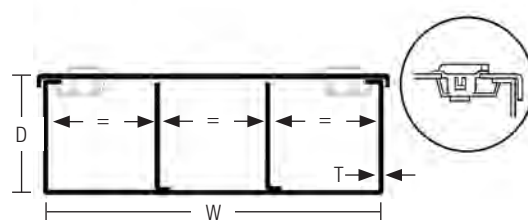
Other sizes and thicknesses available upon request

RETURN EDGE CABLE TRUNKING

THREE EQUAL COMPARTMENTS



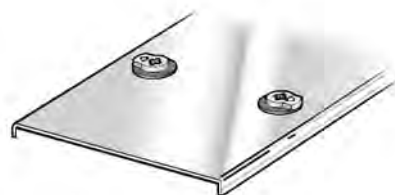
DIMENSIONS



W mm	D mm	T mm	Lid Thickness mm	Product Ref.
75	50	1.2	0.9	ST32-3EC
75	75	1.2	0.9	ST33-3EC
100	50	1.2	1.0	ST42-3EC
100	75	1.2	1.0	ST43-3EC
100	100	1.2	1.0	ST44-3EC
150	50	1.2	1.0	ST62-3EC
150	75	1.2	1.0	ST63-3EC
150	100	1.2	1.0	ST64-3EC
150	150	1.4	1.2	ST66-3EC
225	50	1.2	1.2	ST92-3EC
225	75	1.2	1.2	ST93-3EC
225	100	1.5	1.2	ST94-3EC
225	150	1.5	1.2	ST96-3EC
225	225	1.5	1.2	ST99-3EC
300	50	1.2	1.2	ST122-3EC
300	75	1.2	1.2	ST123-3EC
300	100	1.5	1.2	ST124-3EC
300	150	1.5	1.2	ST126-3EC
300	300	1.5	1.2	ST1212-3EC

Other sizes and thicknesses available upon request

SPARE TRUNKING COVER - SPEED LOCK



W mm	D mm	T mm	Product Ref.
50	-	0.8	ST2SLC
75	-	0.9	ST3SLC
100	-	1.0	ST4SLC
150	-	1.2	ST6SLC
225	-	1.2	ST9SLC
300	-	1.2	ST12SLC

SPARE TRUNKING COVER - SCREW FIX



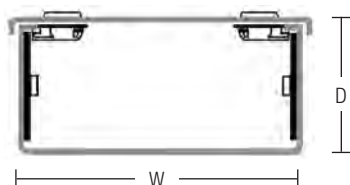
W mm	D mm	T mm	Product Ref.
50	-	0.8	ST2SFC
75	-	0.9	ST3SFC
100	-	1.0	ST4SFC
150	-	1.2	ST6SFC
225	-	1.2	ST9SFC
300	-	1.2	ST12SFC

CABLE TRUNKING ACCESSORIES

SPARE TRUNKING CONNECTORS

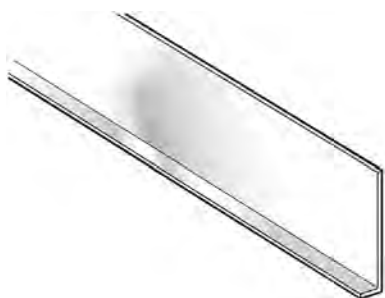


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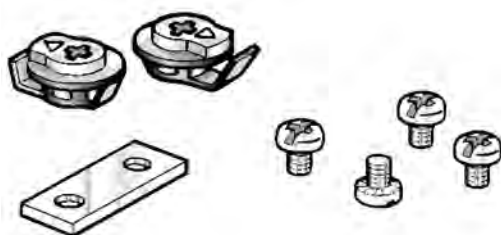
W mm	D mm		Product Ref.
50	50		SA2STC
75	50		SA2STC
75	75		SA3STC
100	50		SA2STC
100	75		SA3STC
100	100		SA4STC
150	50		SA2STC
150	75		SA3STC
150	100		SA4STC
150	150		SA6STC
225	50		SA2STC
225	75		SA3STC
225	100		SA4STC
225	150		SA6STC
225	225		SA9STC
300	50		SA2STC
300	75		SA3STC
300	100		SA4STC
300	150		SA6STC
300	300		SA12STC

SPARE TRUNKING SEPARATORS



W mm	D mm	T mm	Product Ref.
-	50	0.7	ST2SEP
-	75	0.7	ST3SEP
-	100	0.9	ST4SEP
-	150	1.0	ST6SEP

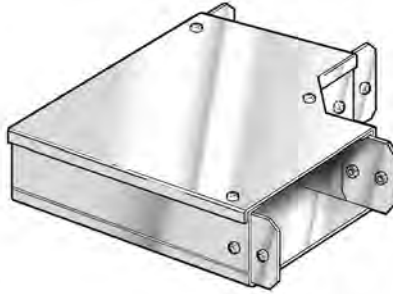
TRUNKING ANCILLARY ITEMS



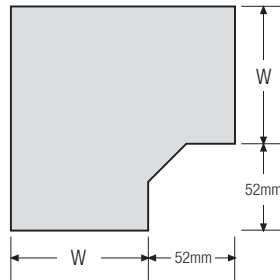
Description	Quantity	Product Ref.
Speed- Lock Fixings	10	SASLF
Connector Fixings	100	SACON
Earth link	10	SAELK

CABLE TRUNKING ACCESSORIES

90 DEGREE TOP COVER BEND

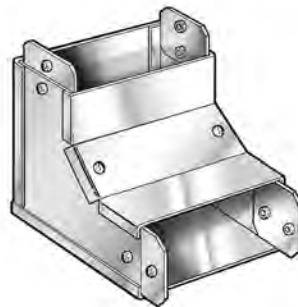


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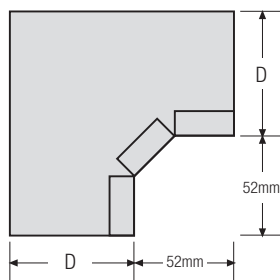


W mm	D mm	Product Ref.
50	50	SA2290T
75	50	SA3290T
75	75	SA3390T
100	50	SA4290T
100	75	SA4390T
100	100	SA4490T
150	50	SA6290T
150	75	SA6390T
150	100	SA6490T
150	150	SA6690T
225	50	SA9290T
225	75	SA9390T
225	100	SA9490T
225	150	SA9690T
225	225	SA9990T
300	50	SA12290T
300	75	SA12390T
300	100	SA12490T
300	150	SA12690T
300	300	SA121290T

90 DEGREE INTERNAL COVER BEND

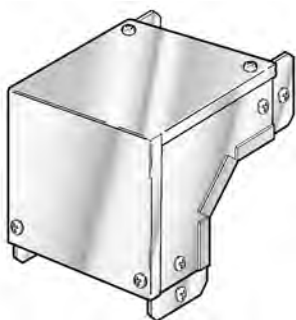


DIMENSIONS



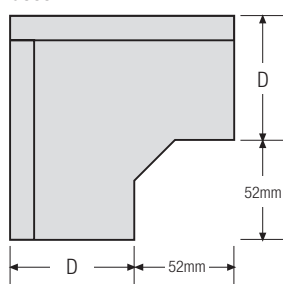
W mm	D mm	Product Ref.
50	50	SA2290I
75	50	SA3290I
75	75	SA3390I
100	50	SA4290I
100	75	SA4390I
100	100	SA4490I
150	50	SA6290I
150	75	SA6390I
150	100	SA6490I
150	150	SA6690I
225	50	SA9290I
225	75	SA9390I
225	100	SA9490I
225	150	SA9690I
225	225	SA9990I
300	50	SA12290I
300	75	SA12390I
300	100	SA12490I
300	150	SA12690I
300	300	SA121290I

90 DEGREE EXTERNAL COVER BEND

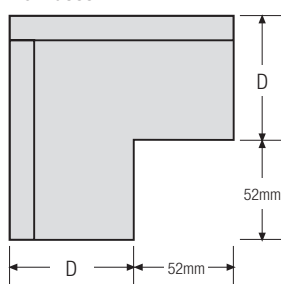


DIMENSIONS

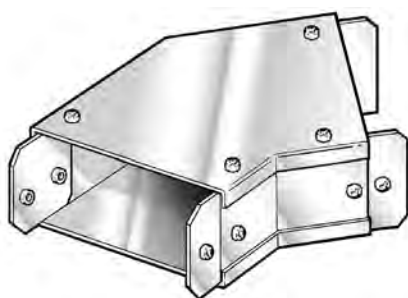
GUSSETED



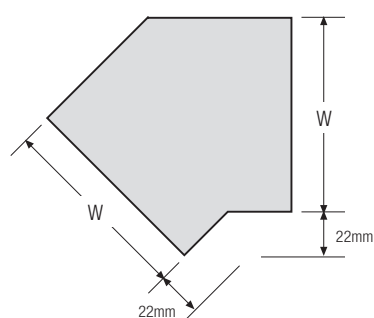
NON-GUSSETED



45 DEGREE TOP COVER BEND



DIMENSIONS

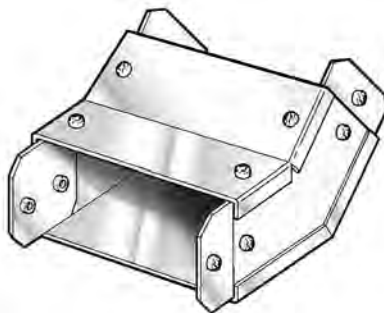


W mm	D mm	Product Ref.
50	50	SA2290E
75	50	SA3290E
75	75	SA3390E
100	50	SA4290E
100	75	SA4390E
100	100	SA4490E
150	50	SA6290E
150	75	SA6390E
150	100	SA6490E
150	150	SA6690E
225	50	SA9290E
225	75	SA9390E
225	100	SA9490E
225	150	SA9690E
225	225	SA9990E
300	50	SA12290E
300	75	SA12390E
300	100	SA12490E
300	150	SA12690E
300	300	SA121290E

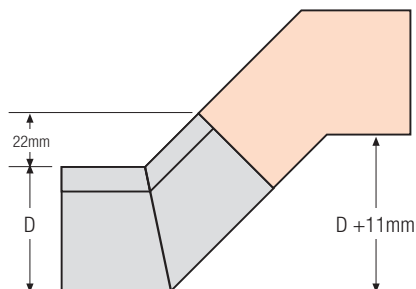
W mm	D mm	Product Ref.
50	50	SA2245T
75	50	SA3245T
75	75	SA3345T
100	50	SA4245T
100	75	SA4345T
100	100	SA4445T
150	50	SA6245T
150	75	SA6345T
150	100	SA6445T
150	150	SA6645T
225	50	SA9245T
225	75	SA9345T
225	100	SA9445T
225	150	SA9645T
225	225	SA9945T
300	50	SA12245T
300	75	SA12345T
300	100	SA12445T
300	150	SA12645T
300	300	SA121245T

CABLE TRUNKING ACCESSORIES

45 DEGREE INTERNAL COVER BEND

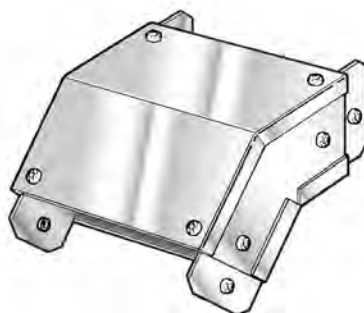


DIMENSIONS

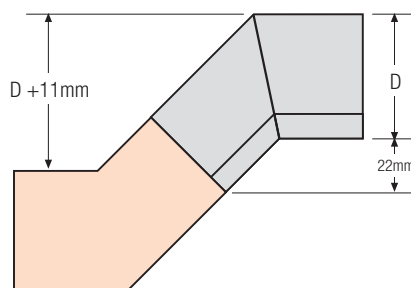


W mm	D mm	Product Ref.
50	50	SA2245I
75	50	SA3245I
75	75	SA3345I
100	50	SA4245I
100	75	SA4345I
100	100	SA4445I
150	50	SA6245I
150	75	SA6345I
150	100	SA6445I
150	150	SA6645I
225	50	SA9245I
225	75	SA9345I
225	100	SA9445I
225	150	SA9645I
225	225	SA9945I
300	50	SA12245I
300	75	SA12345I
300	100	SA12445I
300	150	SA12645I
300	300	SA121245I

45 DEGREE EXTERNAL COVER BEND



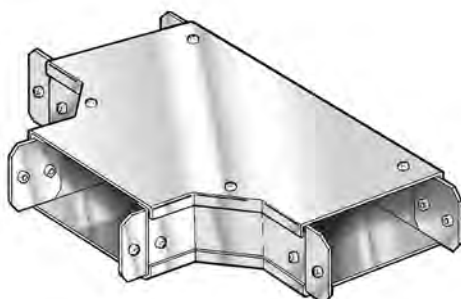
DIMENSIONS



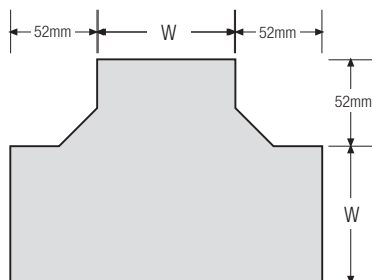
W mm	D mm	Product Ref.
50	50	SA2245E
75	50	SA3245E
75	75	SA3345E
100	50	SA4245E
100	75	SA4345E
100	100	SA4445E
150	50	SA6245E
150	75	SA6345E
150	100	SA6445E
150	150	SA6645E
225	50	SA9245E
225	75	SA9345E
225	100	SA9445E
225	150	SA9645E
225	225	SA9945E
300	50	SA12245E
300	75	SA12345E
300	100	SA12445E
300	150	SA12645E
300	300	SA121245E

CABLE TRUNKING ACCESSORIES

TEE TOP COVER

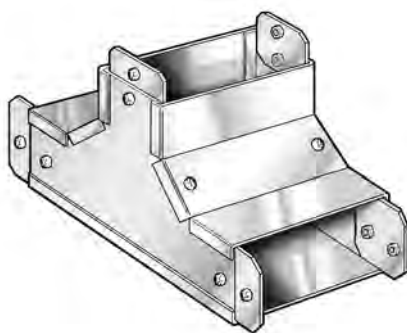


DIMENSIONS

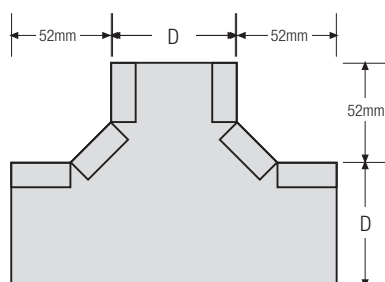


W mm	D mm	Product Ref.
50	50	SA22TTC
75	50	SA32TTC
75	75	SA33TTC
100	50	SA42TTC
100	75	SA43TTC
100	100	SA44TTC
150	50	SA62TTC
150	75	SA63TTC
150	100	SA64TTC
150	150	SA66TTC
225	50	SA92TTC
225	75	SA93TTC
225	100	SA94TTC
225	150	SA96TTC
225	225	SA99TTC
300	50	SA122TTC
300	75	SA123TTC
300	100	SA124TTC
300	150	SA126TTC
300	300	SA1212TTC

TEE INTERNAL COVER



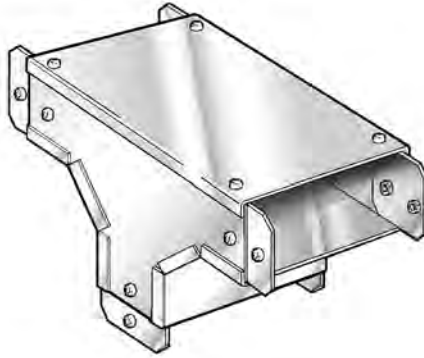
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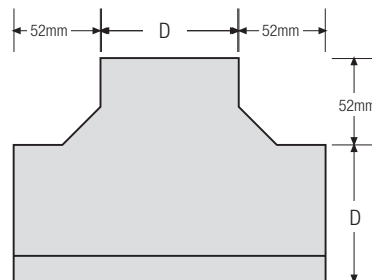
W mm	D mm	Product Ref.
50	50	SA22TIN
75	50	SA32TIN
75	75	SA33TIN
100	50	SA42TIN
100	75	SA43TIN
100	100	SA44TIN
150	50	SA62TIN
150	75	SA63TIN
150	100	SA64TIN
150	150	SA66TIN
225	50	SA92TIN
225	75	SA93TIN
225	100	SA94TIN
225	150	SA96TIN
225	225	SA99TIN
300	50	SA122TIN
300	75	SA123TIN
300	100	SA124TIN
300	150	SA126TIN
300	300	SA1212TIN

CABLE TRUNKING ACCESSORIES

TEE EXTERNAL COVER

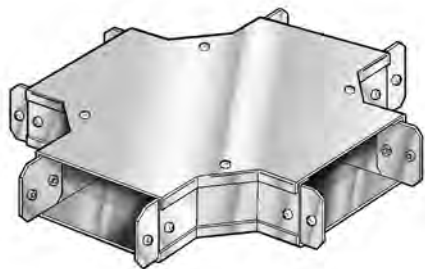


DIMENSIONS

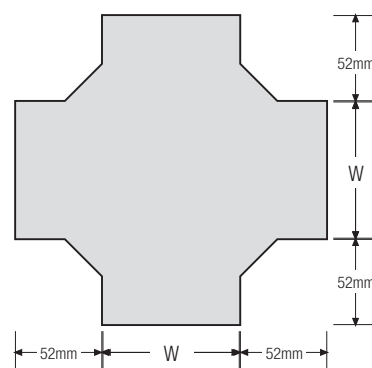


W mm	D mm	Product Ref.
50	50	SA22TEX
75	50	SA32TEX
75	75	SA33TEX
100	50	SA42TEX
100	75	SA43TEX
100	100	SA44TEX
150	50	SA62TEX
150	75	SA63TEX
150	100	SA64TEX
150	150	SA66TEX
225	50	SA92TEX
225	75	SA93TEX
225	100	SA94TEX
225	150	SA96TEX
225	225	SA99TEX
300	50	SA122TEX
300	75	SA123TEX
300	100	SA124TEX
300	150	SA126TEX
300	300	SA1212TEX

4-WAY INTERSECTION



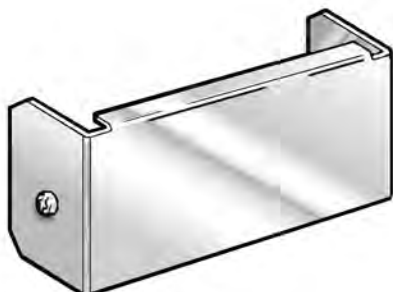
DIMENSIONS



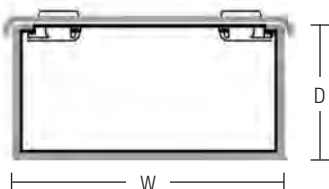
W mm	D mm	Product Ref.
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75	50	SA324WI
75	75	SA334WI
100	50	SA424WI
100	75	SA434WI
100	100	SA444WI
150	50	SA624WI
150	75	SA634WI
150	100	SA644WI
150	150	SA664WI
225	50	SA924WI
225	75	SA934WI
225	100	SA944WI
225	150	SA964WI
225	225	SA994WI
300	50	SA1224WI
300	75	SA1234WI
300	100	SA1244WI
300	150	SA1264WI
300	300	SA12124WI

CABLE TRUNKING ACCESSORIES

STOP END

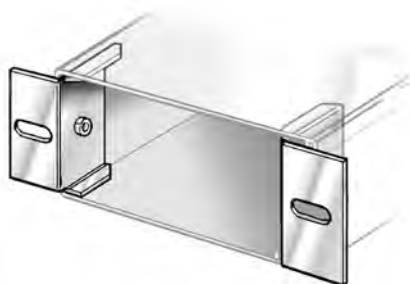


DIMENSIONS

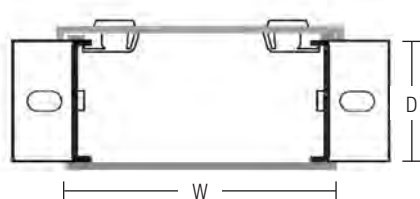


W mm	D mm	Product Ref.
50	50	SA22SE
75	50	SA32SE
75	75	SA33SE
100	50	SA42SE
100	75	SA43SE
100	100	SA44SE
150	50	SA62SE
150	75	SA63SE
150	100	SA64SE
150	150	SA66SE
225	50	SA92SE
225	75	SA93SE
225	100	SA94SE
225	150	SA96SE
225	225	SA99SE
300	50	SA122SE
300	75	SA123SE
300	100	SA124SE
300	150	SA126SE
300	300	SA1212SE

OUTLET FLANGE



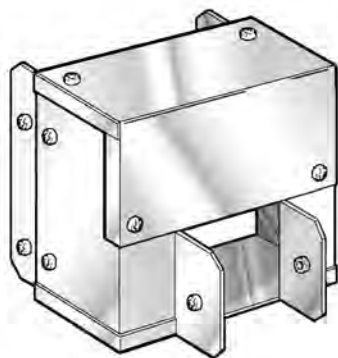
DIMENSIONS



W mm	D mm	Product Ref.
50	50	ST20F
75	50	ST20F
75	75	ST30F
100	50	ST20F
100	75	ST30F
100	100	ST40F
150	50	ST20F
150	75	ST30F
150	100	ST40F
150	150	ST60F
225	50	ST20F
225	75	ST30F
225	100	ST40F
225	150	ST60F
225	225	ST90F
300	50	ST20F
300	75	ST30F
300	100	ST40F
300	150	ST60F
300	300	ST120F

CABLE TRUNKING ACCESSORIES

REDUCER



Ordering information: Reducer

When ordering straight reducers, use the following method to create the catalogue reference.

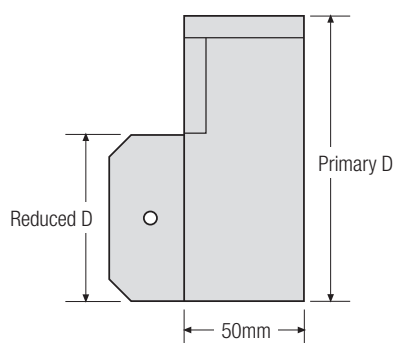
IF, Primary is: **ST44**
Reduced is: **ST22**

CAT REF = SA44-22RE

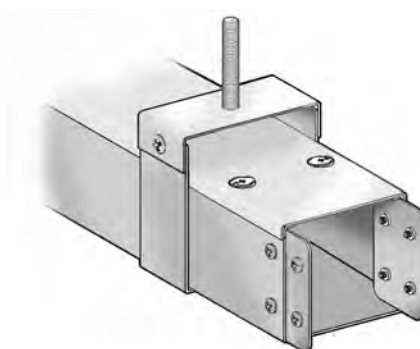
Therefore, this is saying:

SA (size of large trunking) -
(size of reduced trunking) **RE**.

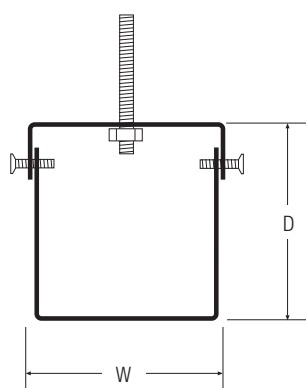
DIMENSIONS



HANGER



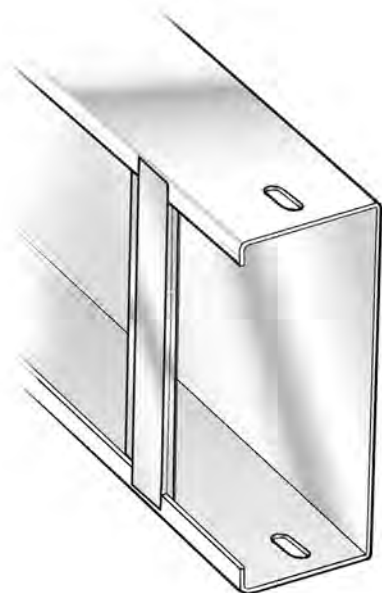
DIMENSIONS



W mm	D mm	Product Ref.
50	50	SA22HA
75	50	SA33HA
75	75	SA33HA
100	50	SA44HA
100	75	SA44HA
100	100	SA44HA
150	50	SA66HA
150	75	SA66HA
150	100	SA66HA
150	150	SA66HA
225	50	SA96HA
225	75	SA96HA
225	100	SA96HA
225	150	SA96HA
225	225	SA99HA
300	50	SA126HA
300	75	SA126HA
300	100	SA126HA
300	150	SA126HA
300	300	SA1212HA

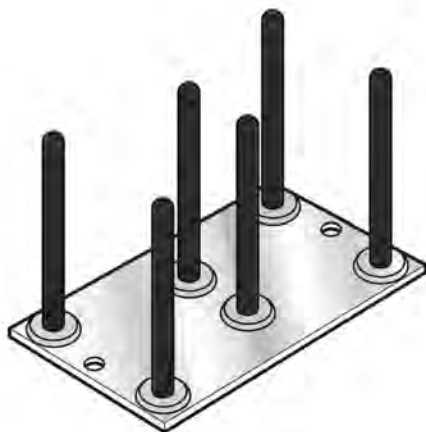
CABLE TRUNKING ACCESSORIES

CABLE RETAINER



W mm		Product Ref.
50		SA2CR
75		SA3CR
100		SA4CR
150		SA6CR
225		SA9CR
300		SA12CR

PIN RACK



W mm	D mm	Product Ref.
50	50	SA22PR
75	50	SA32PR
75	75	SA33PR
100	50	SA42PR
100	75	SA43PR
100	100	SA44PR
150	50	SA62PR
150	75	SA63PR
150	100	SA64PR
150	150	SA66PR
225	50	SA92PR
225	75	SA93PR
225	100	SA94PR
225	150	SA96PR
225	225	SA99PR
300	50	SA122PR
300	75	SA123PR
300	100	SA124PR
300	150	SA126PR
300	300	SA1212PR

CABLE TRAY SYSTEMS

FEATURES

Hadley's Cable Tray is a high quality, durable cable and pipework support system suitable for light and heavy duty installations. It is designed for fast, firm and effective method of cable tray installations. The range consists of types LDT, MDT & HDT.

The slot pattern on Hadley's tray is designed to accept nuts, bolts and cable ties. It provides **flexibility** to installers for the positioning of ancillary items.

Key Features:

- Quick and easy to install.
- Installation time reduced.
- Total flexibility.
- Cable Tray accessories are designed to fix to the cable tray without couplers.

FINISHES:

PG - Pre-galvanised steel to BSEN 10142 : formerly BS 2989

(Self colour galvanised: Fe P02G Z275NAC)

GA - Hot dip galvanised after manufacture to BSEN ISO 1461 : formerly BS729

(Traditional Base Material for HDG Finish is mild steel - BSEN 10130 -1999)

DG - Deep galvanised - Corten A steel

EC - Epoxy Coated

SS - Stainless Steel - BSEN 10088 - grade 304 2B

SS - Stainless Steel - BSEN 10088 - grade 316 2B

AL - Aluminium

PRODUCT INFORMATION:

LIGHT DUTY CABLE TRAYS

- Supplied in standard 3 Metre Lengths.
- Light Duty Cable Tray is a single flanged perforated tray used for the distribution of light electrical, data and voice cables.
- All accessories are designed to fix with cable tray without couplers.
- Overall height - 12mm to 20mm

MEDIUM DUTY RETURN FLANGE CABLE TRAYS

- Supplied in standard 3 Metre Lengths.
- Medium Duty Returned Flange Cable Tray system provides strength, safe handling and economy.
- All accessories are designed to fix with cable tray without couplers.
- Overall height - 25mm

HEAVY DUTY RETURN FLANGE CABLE TRAYS

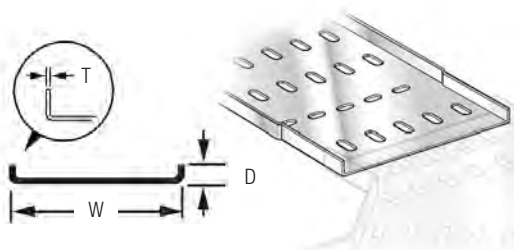
- Supplied in standard 3 Metre Lengths.
- Heavy Duty Return Flange Cable Tray system provides extra strength for larger spans or heavy cables.
- All accessories are designed to fix with cable tray without couplers.
- Overall height - 50mm

BSEN ISO 1461 : ZINC COATING THICKNESS

Steel Thickness	Minimum Average Coating Weight g/m ²	Coating Thickness microns
1 mm up to 2mm	335	47
2 mm up to 5mm	460	65

LIGHT DUTY **CABLE TRAY**

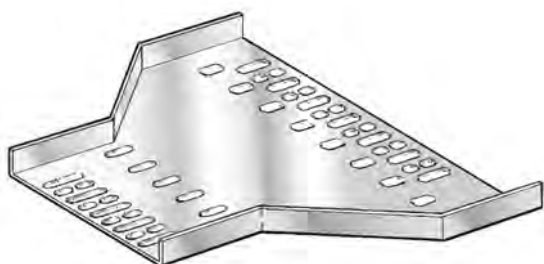
LIGHT DUTY **CABLE TRAY**



W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050TR
75	12	0.8	LDT075TR
100	12	0.8	LDT100TR
150	12	0.8	LDT150TR
225	12	1.0	LDT225TR
300	20	1.2	LDT300TR
450	20	1.5	LDT450TR
600	20	1.5	LDT600TR

Other sizes and thicknesses available upon request

LIGHT DUTY **REDUCER**



Light Duty Ancillary Items

Product Ref

Light Duty Reducers

Reducers are available in three forms: Straight, Right Offset and Left Offset. When ordering reducers use the following method to create the catalogue ref.

Example for Straight Reducer:

Primary tray width **LDT300TR**, Reduced tray width **LDT150TR**

Catalogue reference LDT300-150R

Catalogue reference LDT300-150R**R** (for right offset)

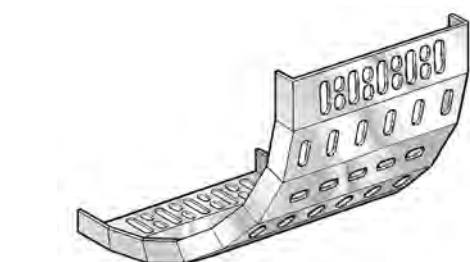
Catalogue reference LDT300-150R**L** (for left offset)

LIGHT DUTY **FLAT 90 DEGREE BEND**



W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050FB
75	12	0.8	LDT075FB
100	12	0.8	LDT100FB
150	12	0.8	LDT150FB
225	12	1.0	LDT225FB
300	20	1.2	LDT300FB
450	20	1.5	LDT450FB
600	20	1.5	LDT600FB

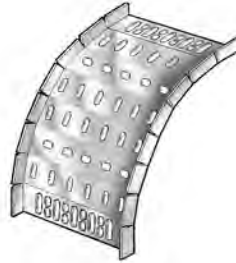
LIGHT DUTY **INTERNAL 90 DEGREE BEND**



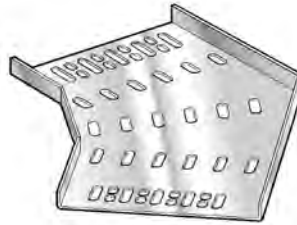
W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050IN
75	12	0.8	LDT075IN
100	12	0.8	LDT100IN
150	12	0.8	LDT150IN
225	12	1.0	LDT225IN
300	20	1.2	LDT300IN
450	20	1.5	LDT450IN
600	20	1.5	LDT600IN

LIGHT DUTY **CABLE TRAY**

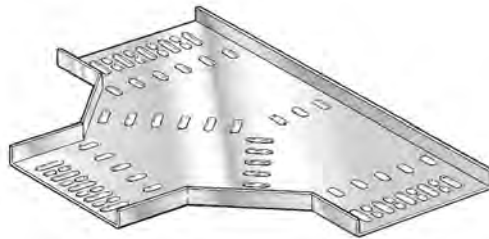
LIGHT DUTY **EXTERNAL 90 DEGREE BEND**



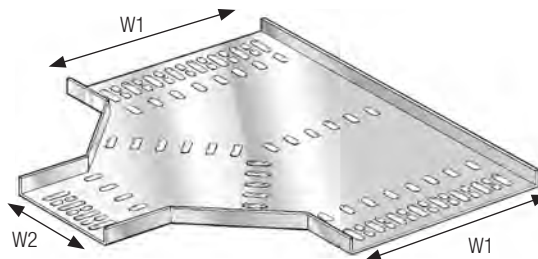
LIGHT DUTY **FLAT 45 DEGREE BEND**



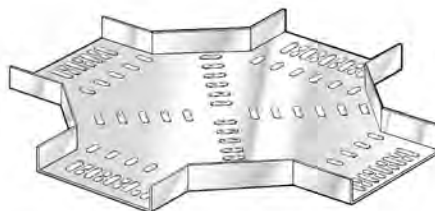
LIGHT DUTY **FLAT TEE**



LIGHT DUTY **UNEQUAL TEE**



LIGHT DUTY **4-WAY INTERSECTION**



W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050EX
75	12	0.8	LDT075EX
100	12	0.8	LDT100EX
150	12	0.8	LDT150EX
225	12	1.0	LDT225EX
300	20	1.2	LDT300EX
450	20	1.5	LDT450EX
600	20	1.5	LDT600EX

W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050HB
75	12	0.8	LDT075HB
100	12	0.8	LDT100HB
150	12	0.8	LDT150HB
225	12	1.0	LDT225HB
300	20	1.2	LDT300HB
450	20	1.5	LDT450HB
600	20	1.5	LDT600HB

W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050FT
75	12	0.8	LDT075FT
100	12	0.8	LDT100FT
150	12	0.8	LDT150FT
225	12	1.0	LDT225FT
300	20	1.2	LDT300FT
450	20	1.5	LDT450FT
600	20	1.5	LDT600FT

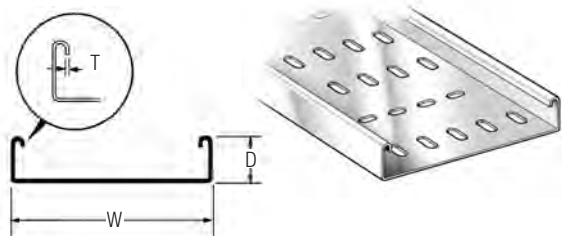
Ordering information: Unequal Tee

LDT300/150FT
where W1 = 300
and W2 = 150

W mm	D mm	T mm	Product Ref.
50	12	0.8	LDT050FW
75	12	0.8	LDT075FW
100	12	0.8	LDT100FW
150	12	0.8	LDT150FW
225	12	1.0	LDT225FW
300	20	1.2	LDT300FW
450	20	1.5	LDT450FW
600	20	1.5	LDT600FW

MEDIUM DUTY CABLE TRAY

MEDIUM DUTY CABLE TRAY



W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050TR
75	25	0.9	MDT075TR
100	25	0.9	MDT100TR
150	25	0.9	MDT150TR
225	25	1.0	MDT225TR
300	25	1.0	MDT300TR
450	25	1.5	MDT450TR
600	25	1.5	MDT600TR

Other sizes and thicknesses available upon request

MEDIUM DUTY REDUCER

MEDIUM DUTY COUPLER



Medium Duty Ancillary Items

Product Ref.

Medium Duty Reducers

Reducers are available in three forms: Straight, Right Offset and Left Offset. When ordering reducers use the following method to create the catalogue ref.

Example for Straight Reducer:

Primary tray width **MDT300TR**, Reduced tray width **MDT150TR**

Catalogue reference MDT300-150R

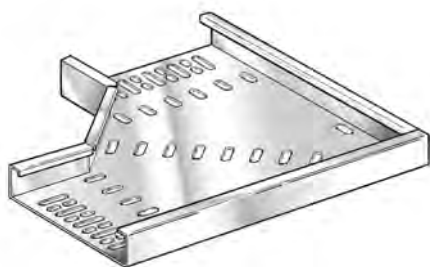
Catalogue reference MDT300-150R**R** (for right offset)

Catalogue reference MDT300-150R**L** (for left offset)

Medium Duty Tray Couplers (Pair)

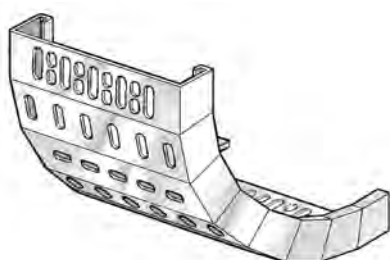
MDTSC

MEDIUM DUTY FLAT 90 DEGREE BEND



W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050FB
75	25	0.9	MDT075FB
100	25	0.9	MDT100FB
150	25	0.9	MDT150FB
225	25	1.0	MDT225FB
300	25	1.0	MDT300FB
450	25	1.5	MDT450FB
600	25	1.5	MDT600FB

MEDIUM DUTY INTERNAL 90 DEGREE BEND



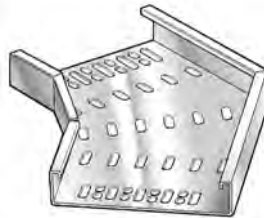
W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050IN
75	25	0.9	MDT075IN
100	25	0.9	MDT100IN
150	25	0.9	MDT150IN
225	25	1.0	MDT225IN
300	25	1.0	MDT300IN
450	25	1.5	MDT450IN
600	25	1.5	MDT600IN

MEDIUM DUTY CABLE TRAY

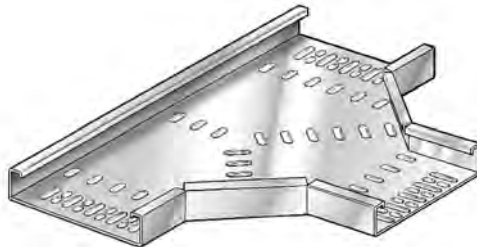
MEDIUM DUTY EXTERNAL 90 DEGREE BEND



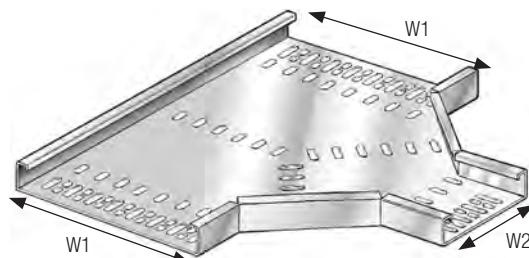
MEDIUM DUTY FLAT 45 DEGREE BEND



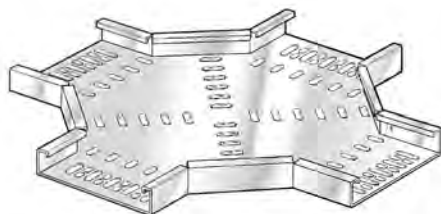
MEDIUM DUTY FLAT TEE



MEDIUM DUTY UNEQUAL TEE



MEDIUM DUTY 4-WAY INTERSECTION



W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050EX
75	25	0.9	MDT075EX
100	25	0.9	MDT100EX
150	25	0.9	MDT150EX
225	25	1.0	MDT225EX
300	25	1.0	MDT300EX
450	25	1.5	MDT450EX
600	25	1.5	MDT600EX

W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050HB
75	25	0.9	MDT075HB
100	25	0.9	MDT100HB
150	25	0.9	MDT150HB
225	25	1.0	MDT225HB
300	25	1.0	MDT300HB
450	25	1.5	MDT450HB
600	25	1.5	MDT600HB

W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050FT
75	25	0.9	MDT075FT
100	25	0.9	MDT100FT
150	25	0.9	MDT150FT
225	25	1.0	MDT225FT
300	25	1.0	MDT300FT
450	25	1.5	MDT450FT
600	25	1.5	MDT600FT

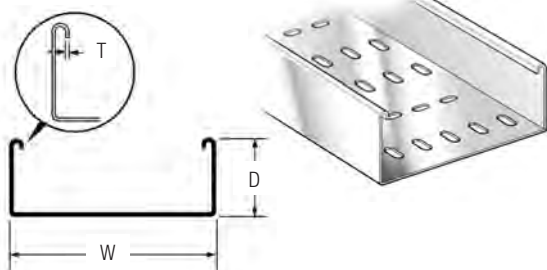
Ordering information: Unequal Tee

MDT300/150UFT
where W1 = 300
and W2 = 150

W mm	D mm	T mm	Product Ref.
50	25	0.9	MDT050FW
75	25	0.9	MDT075FW
100	25	0.9	MDT100FW
150	25	0.9	MDT150FW
225	25	1.0	MDT225FW
300	25	1.0	MDT300FW
450	25	1.5	MDT450FW
600	25	1.5	MDT600FW

HEAVY DUTY CABLE TRAY

HEAVY DUTY CABLE TRAY

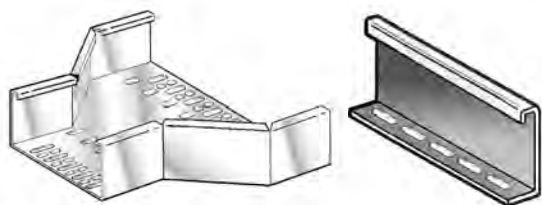


W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050TR
75	50	1.0	HDT075TR
100	50	1.0	HDT100TR
150	50	1.0	HDT150TR
225	50	1.2	HDT225TR
300	50	1.2	HDT300TR
450	50	1.5	HDT450TR
600	50	1.5	HDT600TR
750	50	2.0	HDT750TR
900	50	2.0	HDT900TR

Other sizes and thicknesses available upon request

HEAVY DUTY REDUCER

HEAVY DUTY COUPLER



Heavy Duty Ancillary Items

Product Ref.

Heavy Duty Reducers

Reducers are available in three forms: Straight, Right Offset and Left Offset. When ordering reducers use the following method to create the catalogue ref.

Example for Straight Reducer:

Primary tray width **HDT300TR**, Reduced tray width **HDT150TR**

Catalogue reference HDT300-150R

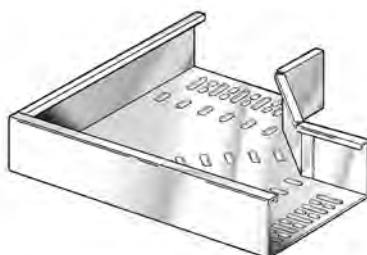
Catalogue reference HDT300-150**R** (for right offset)

Catalogue reference HDT300-150**L** (for left offset)

Heavy Duty Tray Couplers (Pair)

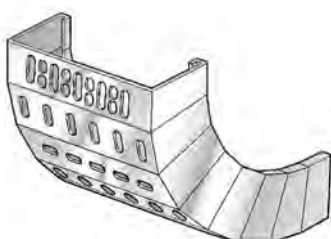
HDTSC

HEAVY DUTY FLAT 90 DEGREE BEND



W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050FB
75	50	1.0	HDT075FB
100	50	1.0	HDT100FB
150	50	1.0	HDT150FB
225	50	1.2	HDT225FB
300	50	1.2	HDT300FB
450	50	1.5	HDT450FB
600	50	1.5	HDT600FB
750	50	2.0	HDT750FB
900	50	2.0	HDT900FB

HEAVY DUTY INTERNAL 90 DEGREE BEND



W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050IN
75	50	1.0	HDT075IN
100	50	1.0	HDT100IN
150	50	1.0	HDT150IN
225	50	1.2	HDT225IN
300	50	1.2	HDT300IN
450	50	1.5	HDT450IN
600	50	1.5	HDT600IN
750	50	2.0	HDT750IN
900	50	2.0	HDT900IN

HEAVY DUTY CABLE TRAY

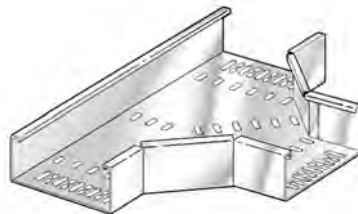
HEAVY DUTY EXTERNAL 90 DEGREE BEND



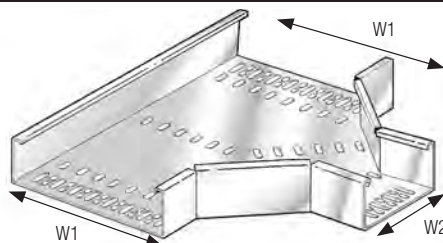
HEAVY DUTY FLAT 45 DEGREE BEND



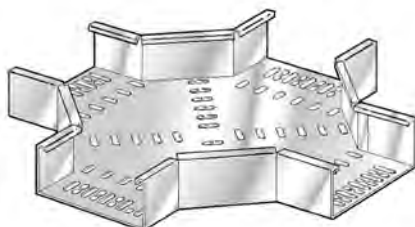
HEAVY DUTY FLAT TEE



HEAVY DUTY FLAT UNEQUAL TEE



HEAVY DUTY 4-WAY INTERSECTION



W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050EX
75	50	1.0	HDT075EX
100	50	1.0	HDT100EX
150	50	1.0	HDT150EX
225	50	1.2	HDT225EX
300	50	1.2	HDT300EX
450	50	1.5	HDT450EX
600	50	1.5	HDT600EX
750	50	2.0	HDT750EX
900	50	2.0	HDT900EX

W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050HB
75	50	1.0	HDT075HB
100	50	1.0	HDT100HB
150	50	1.0	HDT150HB
225	50	1.2	HDT225HB
300	50	1.2	HDT300HB
450	50	1.5	HDT450HB
600	50	1.5	HDT600HB
750	50	2.0	HDT750HB
900	50	2.0	HDT900HB

W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050FT
75	50	1.0	HDT075FT
100	50	1.0	HDT100FT
150	50	1.0	HDT150FT
225	50	1.2	HDT225FT
300	50	1.2	HDT300FT
450	50	1.5	HDT450FT
600	50	1.5	HDT600FT
750	50	2.0	HDT750FT
900	50	2.0	HDT900FT

Ordering information: Flat Unequal Tee

HDT300/150UFT
where W1 = 300
and W2 = 150

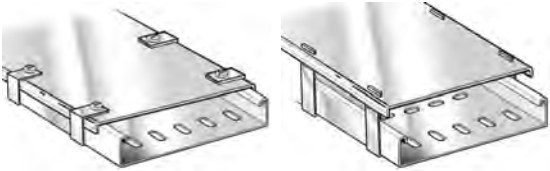
W mm	D mm	T mm	Product Ref.
50	50	1.0	HDT050FW
75	50	1.0	HDT075FW
100	50	1.0	HDT100FW
150	50	1.0	HDT150FW
225	50	1.2	HDT225FW
300	50	1.2	HDT300FW
450	50	1.5	HDT450FW
600	50	1.5	HDT600FW
750	50	2.0	HDT750FW
900	50	2.0	HDT900FW

CABLE TRAY ACCESSORIES

ACCESSORIES

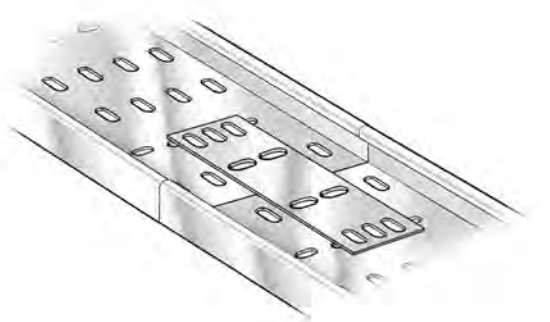
CABLE TRAY ACCESSORIES

CABLE TRAY COVERS



Closed Type Ventilated Type

FISH PLATES



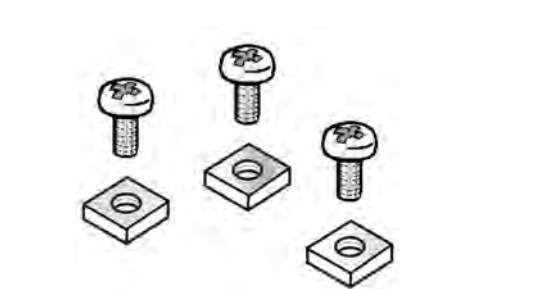
Description	Product Ref.
Fish Plate - 150mm	T150FP
Fish Plate - 225mm	T225FP
Fish Plate - 300mm	T300FP
Fish Plate - 450mm	T450FP
Fish Plate - 600mm	T600FP
Fish Plate - 750mm	T750FP
Fish Plate - 900mm	T900FP

EARTH CONTINUITY CONNECTORS



Description	Product Ref.
Earth Continuity Connector	TELK

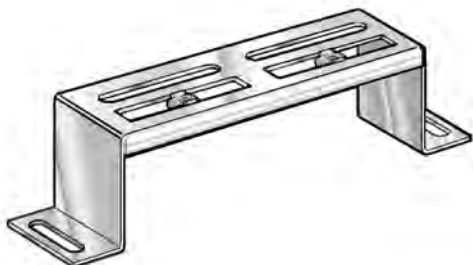
M6 ROOFING BOLTS AND NUTS



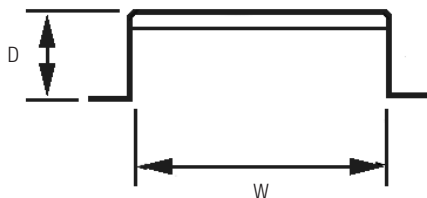
Length mm	Product Ref.
12	TM0612RB
16	TM0616RB
20	TM0620RB
25	TM0625RB

CABLE TRAY SUPPORT SYSTEMS

STAND OFF BRACKET

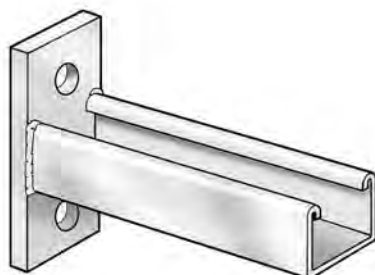


DIMENSIONS



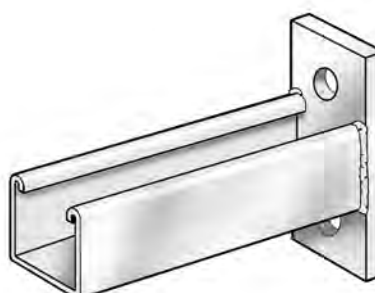
W mm	D mm	Product Ref.
50	25	T0501S
75	25	T0751S
100	25	T1001S
150	25	T1501S
225	25	T2251S
300	25	T3001S
50	50	T0502S
75	50	T0752S
100	50	T1002S
150	50	T1502S
225	50	T2252S
300	50	T3002S
50	75	T0503S
75	75	T0753S
100	75	T1003S
150	75	T1503S
225	75	T2253S
300	75	T3003S

LIGHT DUTY CANTILEVER



L mm	D mm	Product Ref.
50	41	T050LC
75	41	T075LC
100	41	T100LC
150	41	T150LC
225	41	T225LC
300	41	T300LC

HEAVY DUTY CANTILEVER



L mm	D mm	Product Ref.
150	41	T150HC-GA
225	41	T225HC-GA
300	41	T300HC-GA
450	41	T450HC-GA
600	41	T600HC-GA
750	41	T750HC-GA
900	41	T900HC-GA

Finish - Hot dip galvanised
after manufacture

CABLE LADDER & ACCESSORIES

Description	Side Height mm	T mm	Product Ref.
Light Duty Cable Ladder	75	1.5 - 2.0	LDT/width/CL/finish
Medium Duty Cable Ladder	100	1.5 - 2.0	MDT/width/CL/finish
Heavy Duty Cable Ladder	125	1.5 - 2.0	HDT/width/CL/finish
Extra Heavy Duty Cable Ladder	150	1.5 - 2.0	EHDT/width/CL/finish

FINISHES:

PG - Pre-galvanised steel to BSEN 10142 : formerly BS 2989

(Self colour galvanised: Fe P02G Z275NAC)

GA - Hot dip galvanised after manufacture to BSEN ISO 1461 : formerly BS729

(Traditional Base Material for HDG Finish is mild steel - BSEN 10130 -1999)

DG - Deep galvanised - Corten A steel

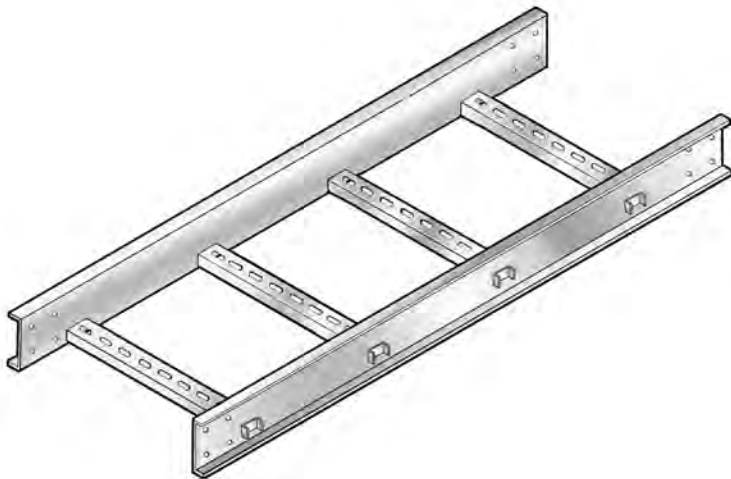
EC - Epoxy Coated

SS - Stainless Steel - BSEN 10088 - grade 304 2B

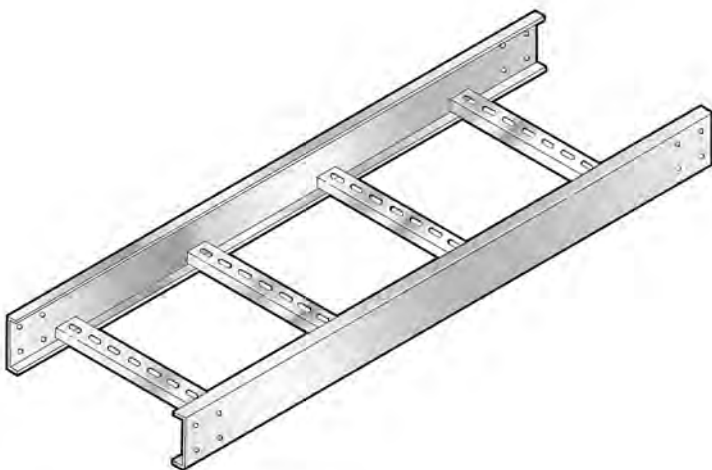
SS - Stainless Steel - BSEN 10088 - grade 316 2B

AL - Aluminium

CABLE LADDER CLI



CABLE LADDER CLII

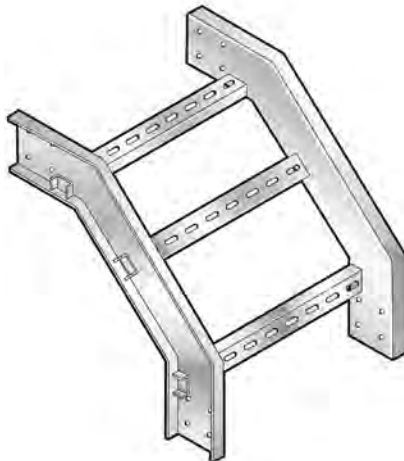


CABLE LADDER & ACCESSORIES

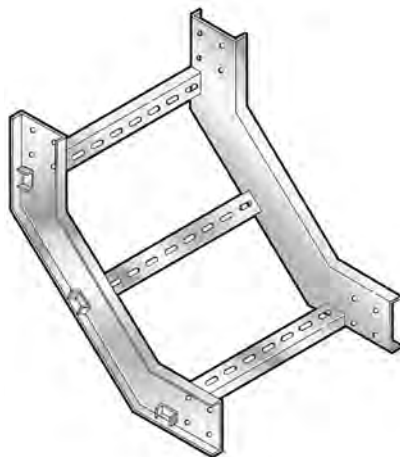
STRAIGHT CONNECTORS (SC)



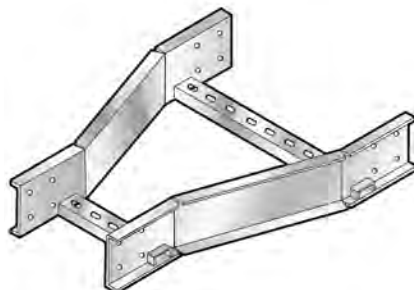
EXTERNAL 90° BEND (EX)



INTERNAL 90° BEND (IN)

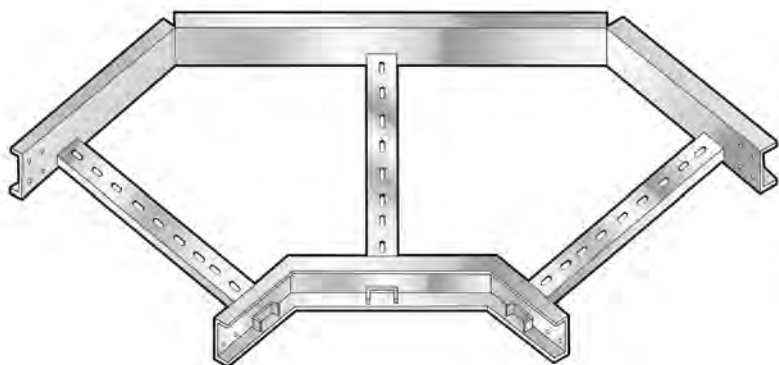


STRAIGHT REDUCER (R)

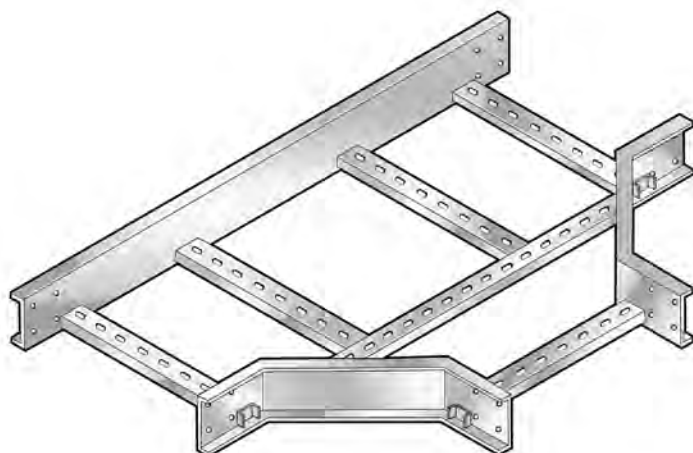


CABLE LADDER & ACCESSORIES

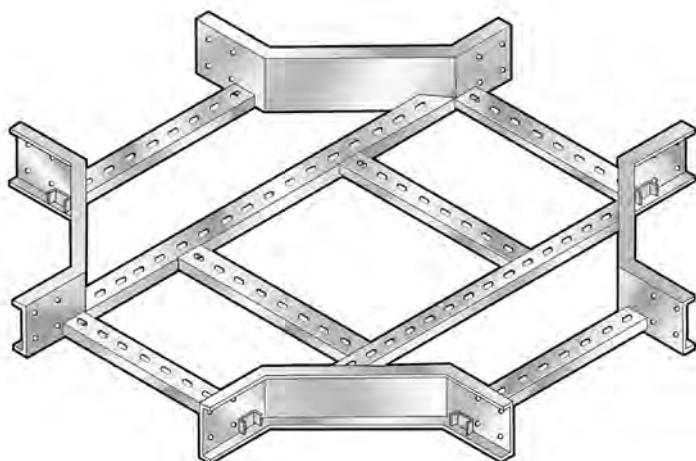
**FLAT BEND
(FB90° / HB45°)**



FLAT TEE (FT)



4-WAY INTERSECTION (FW)



CABLE LADDER LOAD GRAPHS

SAFE WORKING LOADS

The following Loading Charts are to give guidance on maximum safe working loads when using Cable Ladders (installed horizontally). They are published in accordance with the requirements of the industry standard BS EN 61537:2001.

Load tests simulated the conditions of a multiple span of at least 4 spans with the end spans reduced to 75% of the intermediate spans.

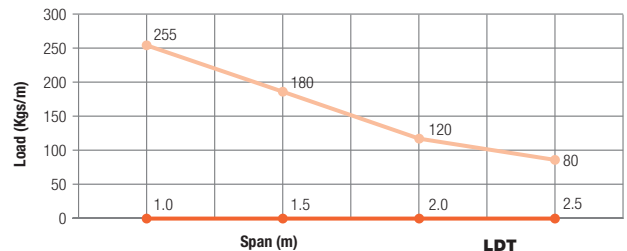
The graphical presentation links established maximum safe working loads at specified intermediate spans.

Loads below the drawn line are SAFE - loads above the line are UNSAFE.

When using this information the installer should take into account:

- The guidance offered in our presentation of system design considerations should be studied.
- Loading is assumed to be uniformly distributed. If point loads are imposed or the installation is less than 4 spans our technical department should be consulted.
- The graphs should not be extrapolated to shorter or longer spans than those shown.
- The installer should be satisfied that supports are of adequate strength and that all connections are fully tightened.

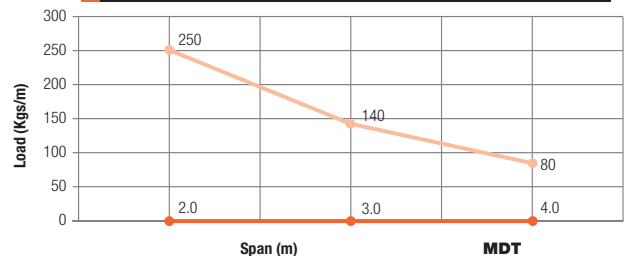
LIGHT DUTY CABLE LADDERS



LDT

Uniformly Distributed Load (Kgs/m)	Span between supports (m)
255	1.0
180	1.5
120	2.0
80	2.5

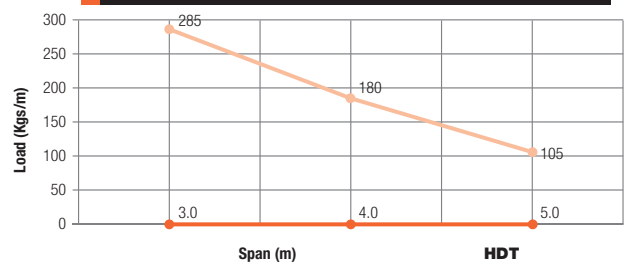
MEDIUM DUTY CABLE LADDERS



MDT

Uniformly Distributed Load (Kgs/m)	Span between supports (m)
250	2.0
140	3.5
80	4.0

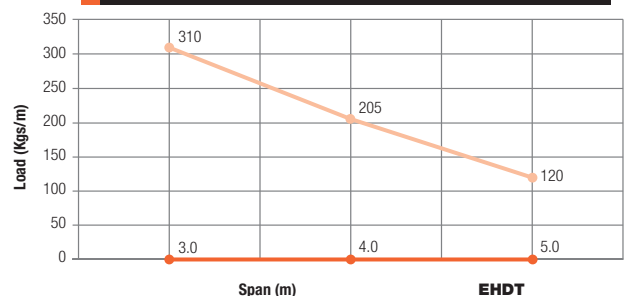
HEAVY DUTY CABLE LADDERS



HDT

Uniformly Distributed Load (Kgs/m)	Span between supports (m)
285	3.0
180	4.0
105	5.0

EXTRA HEAVY DUTY CABLE LADDERS



EHDT

Uniformly Distributed Load (Kgs/m)	Span between supports (m)
310	3.0
205	4.0
120	5.0

CHANNEL SUPPORT

CHANNEL SUPPORT

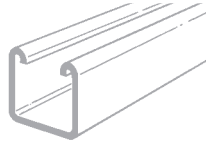
S100 RANGE

S200 RANGE

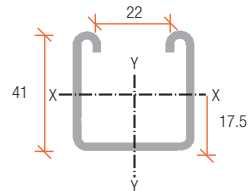


CHANNEL SUPPORT - S100 RANGE

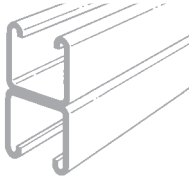
S100



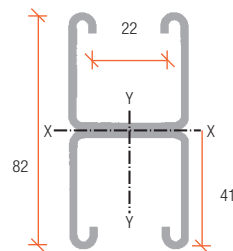
DIMENSIONS



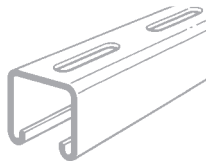
SD100



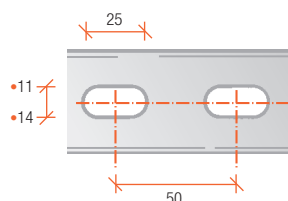
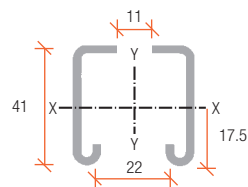
DIMENSIONS



SL100



DIMENSIONS



AXIS

Size:- 41 x 41mm. Available in Standard 3 and 6 metre lengths

Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
Other finishes available upon request.

Weight:- 2.59 Kg/M

Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	954	1.02	954	954	477	0.82	477	477	5003	2129
1000	477	4.09	477	323	239	3.28	239	202	3343	1422
1500	318	9.21	259	144	159	7.38	159	90	2510	1068
2000	239	16.37	145	81	119	13.12	91	51	2009	855
2500	191	25.58	93	52	95	20.50	58	32	1674	712
3000	159	36.84	65	36	80	29.52	40	22	-	-

Size:- 41 x 82mm. Available in Standard 3 and 6 metre lengths

Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
Other finishes available upon request.

Weight:- 5.18 Kg/M

Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	2766	0.59	2766	2766	1383	0.47	1383	1383	10007	3511
1000	1383	2.35	1383	1383	691	1.88	691	691	6686	2346
1500	922	5.29	922	725	461	4.24	461	453	5020	1761
2000	691	9.40	691	408	346	7.54	346	255	4018	1410
2500	553	14.69	470	261	277	11.77	277	163	3350	1175
3000	461	21.16	326	181	230	16.95	204	113	-	-

Size:- 41 x 41mm. Available in Standard 3 and 6 metre lengths

Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
Other finishes available upon request.

Weight:- 2.50 Kg/M

Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	887	1.12	887	887	443	0.90	443	443	4580	2029
1000	443	4.50	443	273	222	3.60	222	171	3087	1368
1500	296	10.12	219	121	148	8.11	137	76	2327	1031
2000	222	18.00	123	68	111	14.42	77	43	1868	828
2500	177	28.12	79	44	89	22.53	49	27	1560	691
3000	148	40.49	55	30	74	32.44	34	19	-	-

SLOTTED FIXINGS:- SL100/•11mm = M10 Fixing SL100/•14mm = M12 Fixing

NB. Load carrying capacity is affected by the Hot Dipped Galvanising Process please contact the manufacturer for details

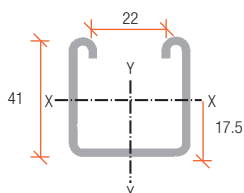
Reference	Axis X - X			Axis Y - Y			Area cm ²
	Ixx cm ⁴	Zxx cm ³	rx cm	Iyy cm ⁴	Zyy cm ³	ry cm	
S100	7.25	3.25	1.49	9.25	4.48	1.69	3.25
SD100	36.59	9.42	2.37	18.50	8.96	1.69	6.50
SL100	6.13	3.02	1.45	9.19	4.45	1.78	2.90

CHANNEL SUPPORT - S100 RANGE

SR100



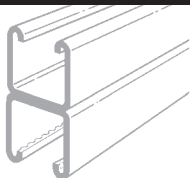
DIMENSIONS



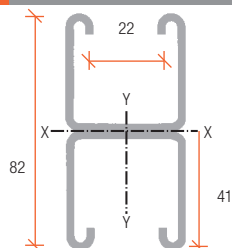
Size:- 41 x 41mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 2.59 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	954	1.02	954	954	477	0.82	477	477	5003	2129
1000	477	4.09	477	323	239	3.28	239	202	3343	1422
1500	318	9.21	259	144	159	7.38	159	90	2510	1068
2000	239	16.37	145	81	119	13.12	91	51	2009	855
2500	191	25.58	93	52	95	20.50	58	32	-	-
3000	159	36.84	65	36	80	29.52	40	22	-	-

SRSD100



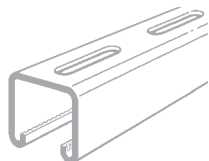
DIMENSIONS



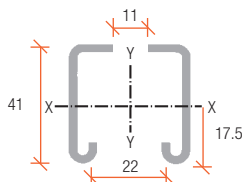
Size:- 41 x 82mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 5.18 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	2766	0.59	2766	2766	1383	0.47	1383	1383	10007	3511
1000	1383	2.35	1383	1383	691	1.88	691	691	6686	2346
1500	922	5.29	922	725	461	4.24	461	453	5020	1761
2000	691	9.40	691	408	346	7.54	346	255	4018	1410
2500	553	14.69	470	261	277	11.77	277	163	3350	1175
3000	461	21.16	326	181	230	16.95	204	113	2872	1007

SRSL100

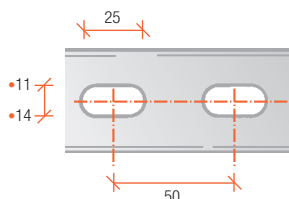


DIMENSIONS



Size:- 41 x 41mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 2.50 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	887	1.12	887	887	443	0.90	443	443	4580	2029
1000	443	4.50	443	273	222	3.60	222	171	3087	1368
1500	296	10.12	219	121	148	8.11	137	76	2327	1031
2000	222	18.00	123	68	111	14.42	77	43	1868	828
2500	177	28.12	79	44	89	22.53	49	27	1560	691
3000	148	40.49	55	30	74	32.44	34	19	-	-



SLOTTED FIXINGS:- SL100/•11mm = M10 Fixing SL100/•14mm = M12 Fixing

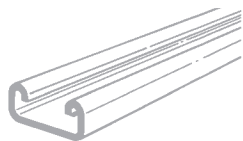
NB. Load carrying capacity is affected by the Hot Dipped Galvanising Process please contact the manufacturer for details

AXIS

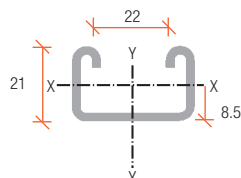
Reference	Axis X - X			Axis Y - Y			Area cm ²
	Ixx cm ⁴	Zxx cm ³	rx cm	Iyy cm ⁴	Zyy cm ³	ry cm	
SR100	7.25	3.25	1.49	9.25	4.48	1.69	3.25
SRSD100	36.59	9.42	2.37	18.50	8.96	1.69	6.50
SRSL100	6.13	3.02	1.45	9.19	4.45	1.78	2.90

CHANNEL SUPPORT - S200 RANGE

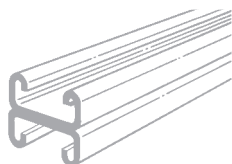
S200



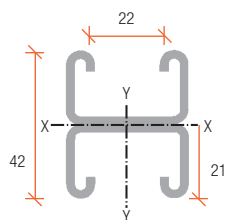
DIMENSIONS



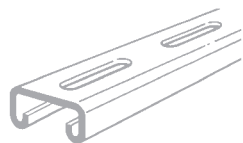
SD200



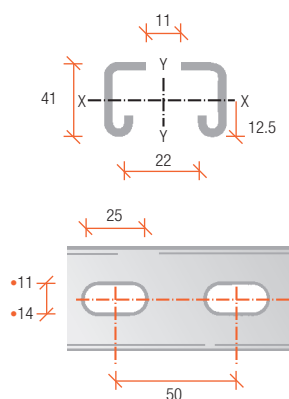
DIMENSIONS



SL200



DIMENSIONS



AXIS

Size:- 41 x 21mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 1.79 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	330	2.14	330	214	165	1.71	165	134	3486	1326
1000	165	8.56	96	53	83	6.86	60	33	2296	873
1500	110	19.26	43	24	55	15.43	27	15	-	-
2000	83	34.24	24	13	41	27.43	15	8	-	-
2500	66	53.50	15	9	33	42.87	10	5	-	-
3000	55	77.03	11	6	28	61.73	7	4	-	-

Size:- 41 x 42mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 3.58 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	975	1.33	975	975	488	1.07	488	488	6973	2375
1000	488	5.34	456	253	244	4.28	244	158	4593	1564
1500	325	12.01	203	113	163	9.63	127	70	3424	1166
2000	244	21.36	114	63	122	17.11	71	40	2729	929
2500	195	33.37	73	41	98	26.74	46	25	-	-
3000	163	48.06	51	28	81	38.51	32	18	-	-

Size:- 41 x 21mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 1.69 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	308	2.42	308	177	154	1.94	154	110	3062	1298
1000	154	9.69	79	44	77	7.76	50	28	2044	861
1500	103	21.80	35	20	51	17.47	22	12	-	-
2000	77	38.76	20	11	39	31.06	12	7	-	-
2500	62	60.56	13	7	31	48.53	8	4	-	-
3000	51	87.21	9	5	26	69.88	6	3	-	-

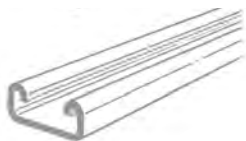
SLOTTED FIXINGS:- SL100/•11mm = M10 Fixing SL100/•14mm = M12 Fixing

NB. Load carrying capacity is affected by the Hot Dipped Galvanising Process please contact the manufacturer for details

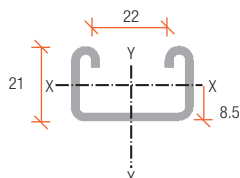
Reference	Axis X - X			Axis Y - Y			Area cm ²
	Ixx cm ⁴	Zxx cm ³	rx cm	Iyy cm ⁴	Zyy cm ³	ry cm	
S200	1.20	1.06	0.73	5.37	2.60	1.55	2.23
SD200	5.68	3.13	1.13	10.74	5.20	1.55	4.46
SL200	0.99	0.99	0.73	5.31	2.57	1.68	1.88

CHANNEL SUPPORT - S200 RANGE

SR200



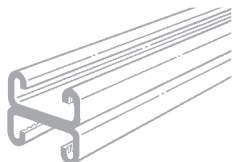
DIMENSIONS



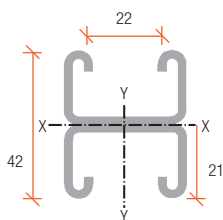
Size:- 41 x 21mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 1.79 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	330	2.14	330	214	165	1.71	165	134	3486	1326
1000	165	8.56	96	53	83	6.86	60	33	2296	873
1500	110	19.26	43	24	55	15.43	27	15	-	-
2000	83	34.24	24	13	41	27.43	15	8	-	-
2500	66	53.50	15	9	33	42.87	10	5	-	-
3000	55	77.03	11	6	28	61.73	7	4	-	-

SRSD200



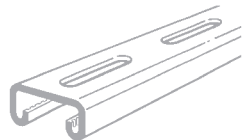
DIMENSIONS



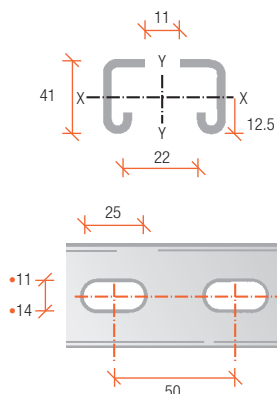
Size:- 41 x 42mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 3.58 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	975	1.33	975	975	488	1.07	488	488	6973	2375
1000	488	5.34	456	253	244	4.28	244	158	4593	1564
1500	325	12.01	203	113	163	9.63	127	70	3424	1166
2000	244	21.36	114	63	122	17.11	71	40	2729	929
2500	195	33.37	73	41	98	26.74	46	25	-	-
3000	163	48.06	51	28	81	38.51	32	18	-	-

SRSL200



DIMENSIONS



Size:- 41 x 21mm. Available in Standard 3 and 6 metre lengths
 Finishes:- Pre-Galvanised, Post Galvanised, Hot Rolled or Stainless Steel
 Other finishes available upon request.
 Weight:- 1.69 Kg/M
 Gauge:- 2.5mm

Span or Column Effective Length (mm)	UNIFORMLY DISTRIBUTED LOAD				CENTRALLY CONCENTRATED LOAD				COLUMN LOAD	
	Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Stress Limited Load and Deflection		Deflection Limited Load (Kg)		Load Applied at the centroid (Kg)	Load Applied at the face (Kg)
	Load (Kg)	Deflection (mm)	Span /200	Span /360	Load (Kg)	Deflection (mm)	Span /200	Span /360		
500	308	2.42	308	177	154	1.94	154	110	3062	1298
1000	154	9.69	79	44	77	7.76	50	28	2044	861
1500	103	21.80	35	20	51	17.47	22	12	-	-
2000	77	38.76	20	11	39	31.06	12	7	-	-
2500	62	60.56	13	7	31	48.53	8	4	-	-
3000	51	87.21	9	5	26	69.88	6	3	-	-

SLOTTED FIXINGS:- SL100/•11mm = M10 Fixing SL100/•14mm = M12 Fixing

NB. Load carrying capacity is affected by the Hot Dipped Galvanising Process please contact the manufacturer for details

AXIS

Reference	Axis X - X			Axis Y - Y			Area cm ²
	I _{xx} cm ⁴	Z _{xx} cm ³	r _{xx} cm	I _{yy} cm ⁴	Z _{yy} cm ³	r _{yy} cm	
SR200	1.20	1.06	0.73	5.37	2.60	1.55	2.23
SRSD200	5.68	3.13	1.13	10.74	5.20	1.55	4.46
SRSL200	0.99	0.99	0.73	5.31	2.57	1.68	1.88

CONCRETE INSERTS

CONCRETE INSERTS (MANUFACTURED TO ORDER)

Material:-

BS 1449 HR4 **PO** Z25 EN10147:1992 FE
250-G275 **PG**
BS 1449 Part 2
Rolling Tolerances To
BS 2994
Concrete Strength:-
32N/M²

Finish:

Standard Finish:-

HDG = BS EN ISO1461 / BS729

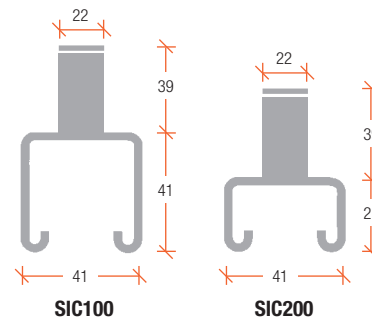
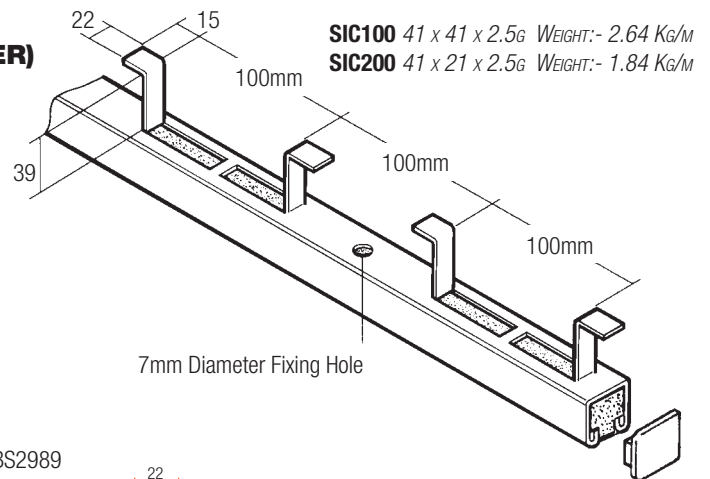
PG = Pre Galvanised BS EN 10142:2000 / BS2989

Other finishes and materials available upon request.

Concrete Inserts are available in standard lengths of 3 and 6 metres which are supplied complete with polystyrene infill and End Caps in place.

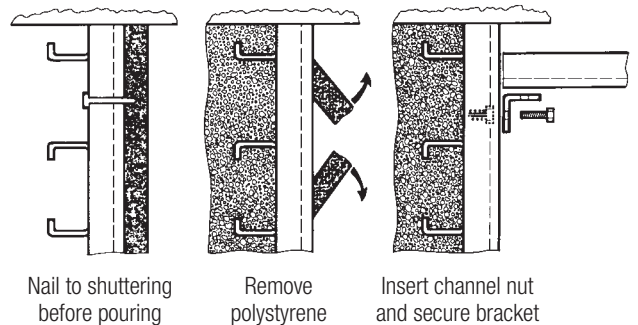
Non-standard lengths can be supplied in increments of 200mm. For shorter lengths, please consult our technical/sales department.

Concrete Inserts are manufactured from standard channel sections S100 and S200. The inclusion of Concrete Inserts into walls, floors, ceilings and ducts etc. at the initial stages of construction provides a flush surface for fixing and supporting electrical and mechanical services.



END CAP

If site installation requires concrete insert to be cut end caps **MUST** be re-inserted at each end.

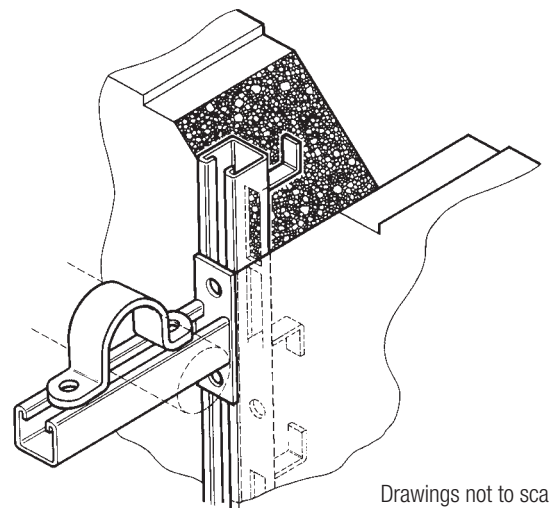


RECOMMENDED LOADINGS

Results prepared from tests carried out by the department of Civil Engineering at the University of Birmingham

	SIC200	SIC100
Point Load (250mm centres)	550 Kgs	750 Kgs
Continuous Load (per 1000mm)	2200 Kgs	3000 Kgs

Concrete Strength 32MN/M²



Drawings not to scale.
All dimensions in mm.

CONCRETE INSERTS

MATERIAL AND FINISH STANDARDS:-

The following materials are used In the manufacture of Hi-Strut channels:-

1. Pre-Galvanised (PG) BSEN 10142:2000 /BS2989.
2. Hot Rolled Pickled & Oiled (HRPO) BS 1449: 1991.
3. Post Galvanised (HDG) BSEN ISO1461 / BS729, BS 729.
4. Stainless Steel (SS) BSEN 10088-2: 1995, 316L X2CrNiMo17-12-2.

CHANNEL LOAD TABLE ASSUMPTIONS:-

1. All loads are calculated in accordance with BS5950:Part 5: 1998 Code of Practice, for the design of cold formed sections.
2. The minimum yield stress of pre-galvanised steel used in the manufacturer of Hi-Strut channels is $Y_s = 250 \text{ N/mm}^2$.
3. Beam loads and corresponding deflections are calculated using a yield of 250 N/mm^2 . These values are calculated in accordance with section 3.4 of BS5950:Part 5.
4. All beam loads and deflections stated do not apply to material that has been post galvanised i.e. (heat treatment has been applied after forming). If beam loads and deflections are required for post galvanised products please contact, the manufacturer.
5. A global safety factor of 1.6 was used to determine safe working loads from limited state analysis.
6. Column loads are calculated in accordance with section six BS5950:Part 5. Effective column lengths to be determined by the designer in accordance with Table 9 BS5950:Part 5.
7. Column loads have been calculated so that the maximum slenderness ratio L/r does not exceed 180° .
8. Beams are assumed to be simply supported and provide adequate lateral restraint over the given span.
9. Beam loads are applied through the shear of the section in the direction indicated in the tables.
10. Alternative beam safe load tables are provided for a uniformly distributed load or concentrated near the centre of the span. (See Figure 1.).
11. Example of how to evaluate the ultimate load on an intermediate span. Extract from the S100 Load Table not shown in tables.

Span (mm)	Load (kg)
(a) 500	(c) 954 for 500 span
(e) 825 = New Intermediate Span	
(b) 1000	(d) 477 for 1000 span

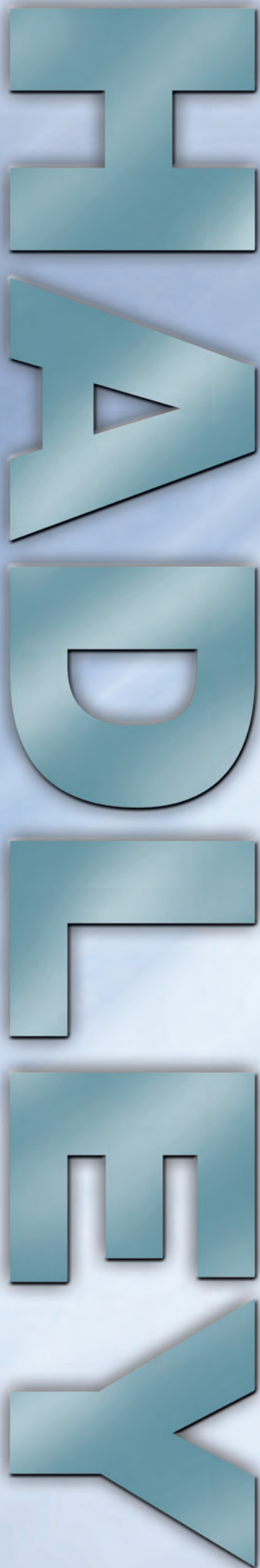
Find the ultimate load at a span of 825mm, using the following formula.

$$\text{New Ultimate Load} = C - \left[\left[\frac{(c-d)}{(b-a)} \right] \times (c-a) \right] \quad \text{New Ultimate Load} = 954 - \left[\left[\frac{(954-477)}{(1000-500)} \right] \times (825-500) \right]$$

$$= 644\text{kg}$$

FIGURE 1.





CABLE MANAGEMENT

CABLE TRUNKING

CABLE TRAY

CABLE LADDER

CHANNEL SUPPORT



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