

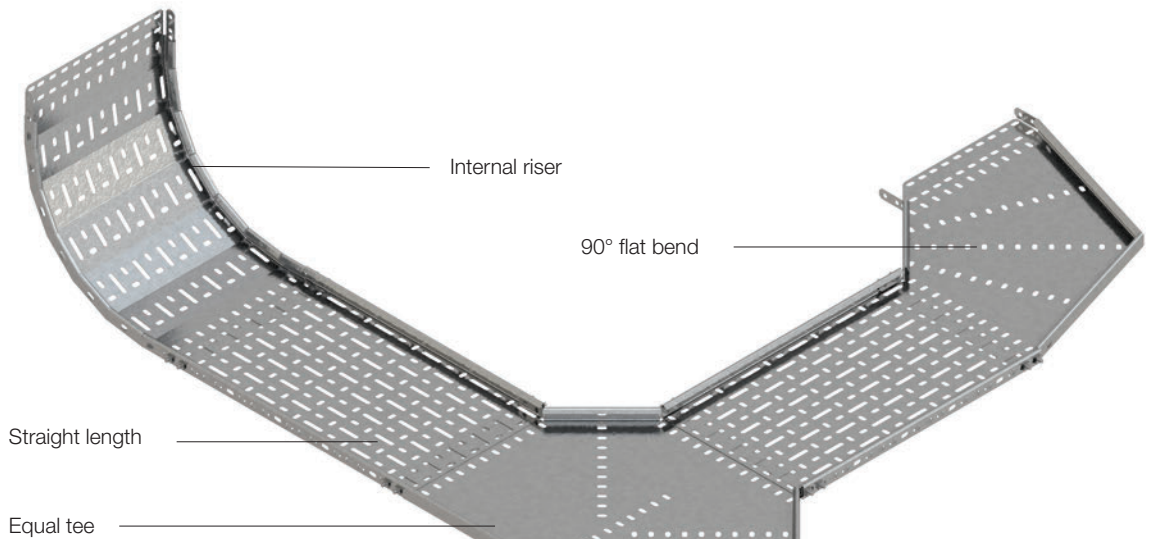
Cable tray systems

System configuration and support

Metstrut cable trays are designed as a complete system with simple accessories. Integral connectors are included for bends tees etc. for all cable tray ranges.

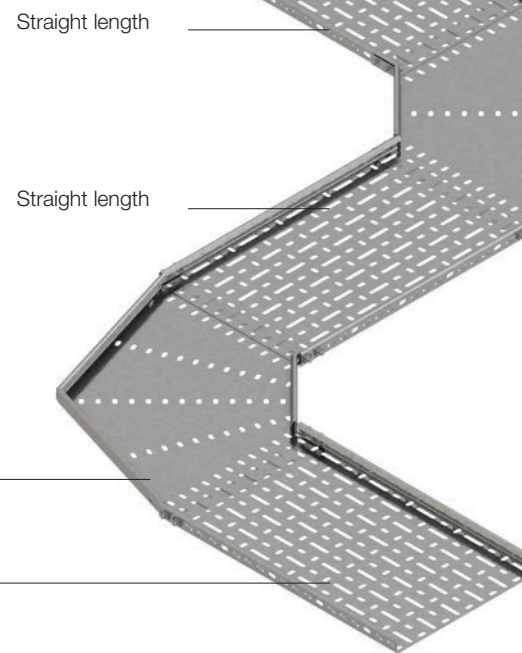
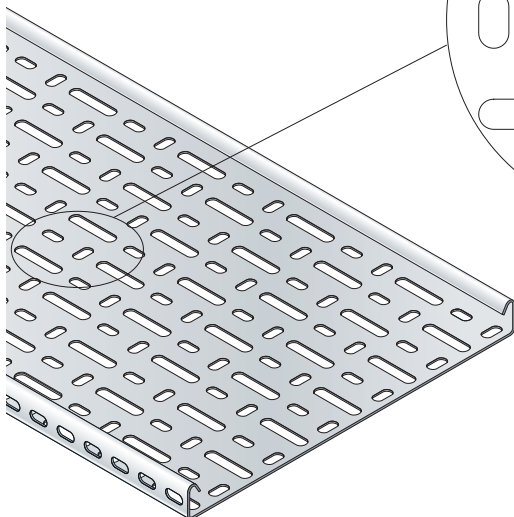
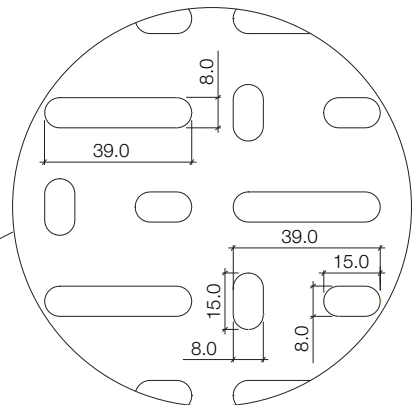
When installing Metstrut cable trays care should be taken to ensure accessories

(e.g. bends, tees, crossovers etc.) have adequate support with additional supports for larger components. Light duty cable tray straights have one end swaged for easy connection to the next tray. When light duty straight trays are cut to smaller lengths on site connection to the next tray requires a fishplate.



Technical construction details

Medium and heavy duty cable tray systems have cable-friendly return flanges that are also slotted for all widths as standard. The unique perforation pattern in the base of the cable trays allows ease of attachment for cables with more than adequate ventilation. All Metstrut cable tray ranges have the same plan footprint that facilitates the set out of cable runs prior to finalisation of design.



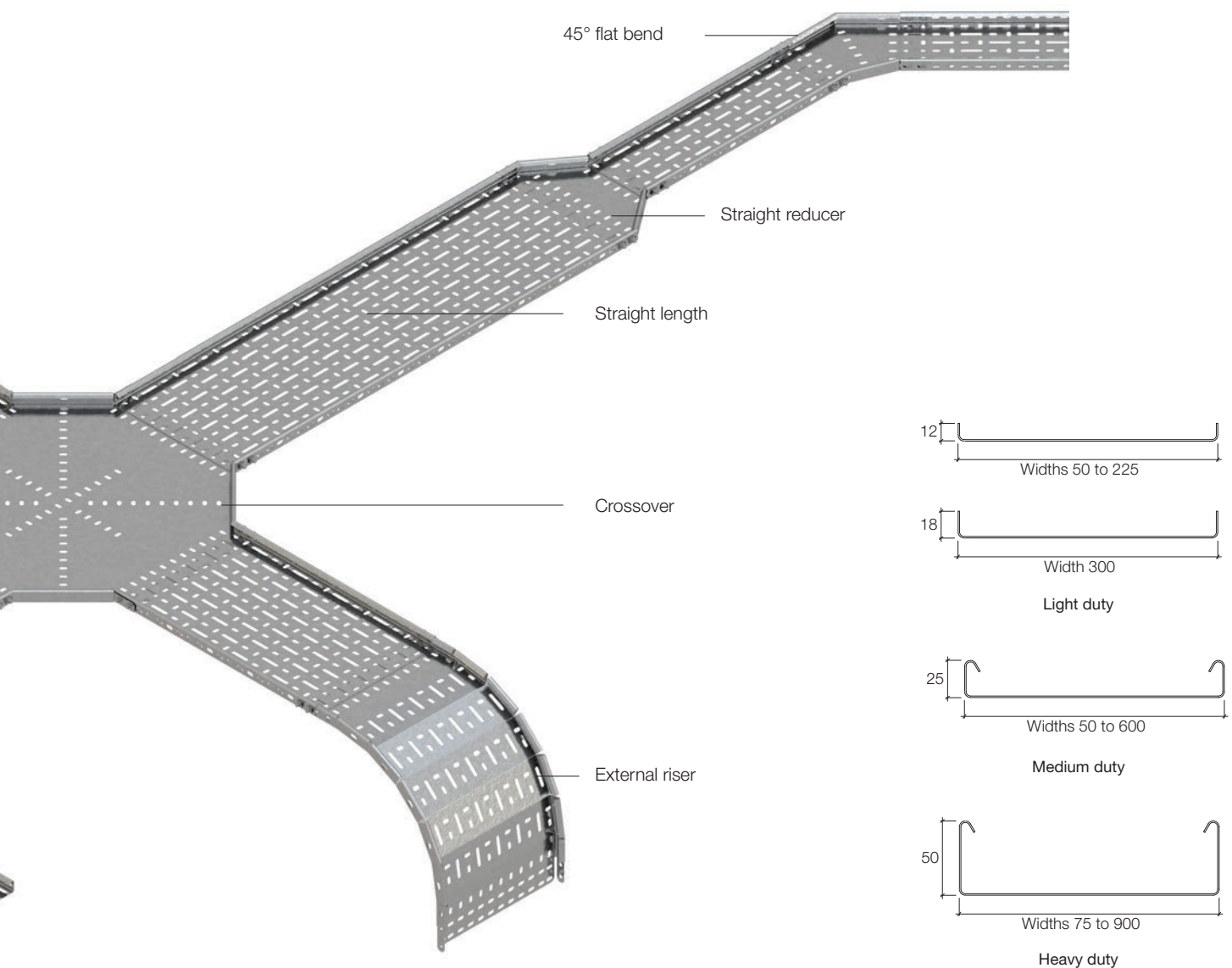
Materials and finishes

Materials and finishes available are mild steel pre-galvanised as standard, mild steel hot dip galvanised after manufacture and stainless steel grade 316L to order.

Mild steel pre galvanised:
manufactured from steel complying with BS EN 10327:2004.

Mild steel hot dip galvanised:
manufactured from steel complying with BS EN 10130:2006 and hot dip galvanised after manufacture to BS EN 1461:1999.

Stainless steel: manufactured from stainless steel grade 316L complying with BS EN 10088-2:2005.



Standards

Metstrut Cable Tray Systems generally conform to BS EN 61537:2007 Cable management - cable tray systems and cable ladder systems.

Information relating to compliance is detailed/highlighted within the following sections of the standard:

6 Classification

6.1 According to material

6.1.1 Metstrut cable tray systems are metallic system components

6.2 According to resistance to flame propagation

6.2.2 Metstrut cable tray systems are non-flame propagating system components

6.3 According to electrical continuity characteristics

6.3.2 Metstrut cable tray systems have electrical continuity characteristics

6.4 According to electrical conductivity

6.4.1 Metstrut cable tray systems are electrically conductive system components

6.5 According to resistance against corrosion

6.5.2 Metstrut cable tray systems are made of steel with metallic finishes or stainless steel

(Resistance to corrosion is classified according to Table 1 and follow the relevant specification in Table 8, with compliance according to Table 7.)

Table 1 - classification for resistance against corrosion

Class	Reference - material and finish
0 (a)	None
1	Electroplated to a minimum thickness of 5 µm
2	Electroplated to a minimum thickness of 12 µm
3	Pre - galvanised to grade 275 to EN 10327 and EN 10326
4	Pre - galvanised to grade 350 to EN 10327 and EN 10326
5	Post - galvanised to a zinc mean coating thickness (minimum) of 45 µm according to ISO 1461 for zinc thickness only
6	Post - galvanised to a zinc mean coating thickness (minimum) of 55 µm according to ISO 1461 for zinc thickness only
7	Post - galvanised to a zinc mean coating thickness (minimum) of 70 µm according to ISO 1461 for zinc thickness only
8	Post - galvanised to a zinc mean coating thickness (minimum) of 85 µm according to ISO 1461 for zinc thickness only
9A	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S30400 or EN 10088 grade 1 - 4301 without a post treatment (b)
9B	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S31603 or EN 10088 grade 1 - 4404 without a post treatment (b)
9C	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S30400 or EN 10088 grade 1 - 4301 with a post treatment (b)
9D	Stainless steel manufactured to ASTM: A 240/A 240M - 95a designation S31603 or EN 10088 grade 1 - 4404 with a post treatment (b)
(a)	For materials which have no declared corrosion resistance classification
(b)	The post-treatment process is used to improve the protection against crevice crack corrosion and the contamination by other steels

Table 7 - System component compliance and classification for resistance against corrosion

System component Material and finishes	Classification according to	Compliance	Subclause for compliance check
Non - metallic	6.5.1	Declaration	14.2.1
Reference - zinc coating as in Table 1.	6.5.2 Table 1 classes 1 to 8	Declaration or measurement	14.2.2
Non - referenced zinc coating	6.5.2 Table 1 classes 1 to 8	By neutral salt spray test NSS	14.2.3
Reference - stainless steel as in Table 1.	6.5.2 Table 1 Class 9A to 9D	Declaration	14.2.2
Non-referenced stainless steel	Not classified	Declaration	None
Other metallic coatings	6.5.2 Table 1 Column 1 classes 1 to 8	By neutral salt spray test NSS	14.2.3
Aluminium alloys or other metals	6.5.3 Under consideration	Under consideration	14.2.4
Organic coatings	6.5.4 Under consideration	Under consideration	14.2.5

Table 8 - Zinc coating thickness of reference materials

Class	Minimum Thickness µm	Minimum coating thickness as given in EN 10327 or EN 10326 µm	Mean coating thickness (minimum) to ISO 1461 µm
0 (a)	-	-	-
1	5	-	-
2	12	-	-
3	-	15	-
4	-	19	-
5	-	-	45
6	-	-	55
7	-	-	70
8	-	-	85
(a)	As declared by the manufacturer or responsible vendor		

6.6 According to temperature

6.6.1 Minimum temperature for the system components is given in Table 2.

6.6.2 Maximum temperature for the system components is given in Table 3.

Table 2 - Minimum temperature classification

Minimum transport, storage installation and application temperature °C
+5
- 5
- 15
- 20
- 40
- 50

Table 3 - Maximum temperature classification

Maximum transport, storage installation and application temperature °C
+40
+60
+90
+105
+120
+150

6.7 According to the free base area of the cable tray length as given in Table 4.

Table 4 - Perforation base classification

Classification	Perforation in the base area
A	Up to 2%
B	Over 2% and up to 15%
C	Over 15% and up to 30%
D	More than 30%

Note: Classification D relates to IEC 60364 - 5 - 52 Subclause A.52.6.2 second paragraph

6.9 According to impact resistance

6.9.4 System component offering impact resistance up to 20 J (as verified by testing in accordance with 10.9 Test for impact resistance.)

7 Marking and documentation

7.1 Each system component is marked by a label. Labels used fully comply with the rubbing test. Boxed items are labelled on the packaging

8 Dimensions

Key cross sectional dimensions for straight cable trays

Part No.	External depth mm	Internal depth mm	External width mm	Internal width mm (Internal)	X-sectional area mm ²	Gauge mm
CTSL12/0050#	12	11.1	50	48.2	535	0.9
CTSL12/0075#	12	11.1	75	73.2	813	0.9
CTSL12/0100#	12	11.1	100	98.2	1090	0.9
CTSL12/0150#	12	11.1	150	148.2	1645	0.9
CTSL12/0225#	12	11.1	225	223.2	2478	0.9
CTSL18/0300#	18	16.8	300	297.6	5000	1.2
CTSL25/0050#	25	24.3	50	48.6	1181	0.7
CTSL25/0075#	25	24.3	75	73.6	1788	0.7
CTSL25/0100#	25	24.3	100	98.6	2396	0.7
CTSL25/0150#	25	24.1	150	148.2	3572	0.9
CTSL25/0225#	25	24.1	225	223.2	5379	0.9
CTSL25/0300#	25	24.0	300	298.0	7152	1.0
CTSL25/0450#	25	23.8	450	447.6	10653	1.2
CTSL25/0600#	25	23.8	600	597.6	14223	1.2
CTSL50/0075#	50	49.2	75	73.4	3611	0.8
CTSL50/0100#	50	49.2	100	98.4	4841	0.8
CTSL50/0150#	50	49.1	150	148.2	7277	0.9
CTSL50/0225#	50	48.8	225	222.6	10863	1.2
CTSL50/0300#	50	48.8	300	297.6	14523	1.2
CTSL50/0450#	50	48.5	450	447.0	21680	1.5
CTSL50/0600#	50	48.5	600	597.0	28955	1.5
CTSL50/0750#	50	48.0	750	746.0	35808	2.0
CTSL50/0900#	50	48.0	900	896.0	43008	2.0

Minimum internal radius of fittings

Minimal internal radius of fittings available for the accommodation of cables is 125mm.

9 Construction

9.1 Surfaces of system components which are likely to come into contact with cables during installation are inspected to ensure they shall not cause damage to the cables when installed correctly.

9.2 As with all metallic system components, care should be exercised that handling is in accordance with the relative COSHH regulations and gloves should be worn.

9.3 Screwed connections have been designed to withstand the mechanical stresses occurring during installations and normal use and will not cause damage to cables when correctly inserted. Screwed connections are in general ISO metric threads fully compliant to tests in accordance with 9.3.1 and 9.3.2 of the standard. Metstrut cable tray systems are usually assembled using M6 roofing bolts particularly for couplers, fishplates and connection to supporting framework. These bolts should be tightened to a torque of 12N/m.

10 Mechanical properties

Cable tray lengths have been tested generally in accordance with the standard under 10.2 and 10.3 for verification of the loading graphs. It should be noted that independent testing has been carried out to verify the structural performance of the cable trays at the minimum and maximum temperature classifications for test conditions under 10.2.2.

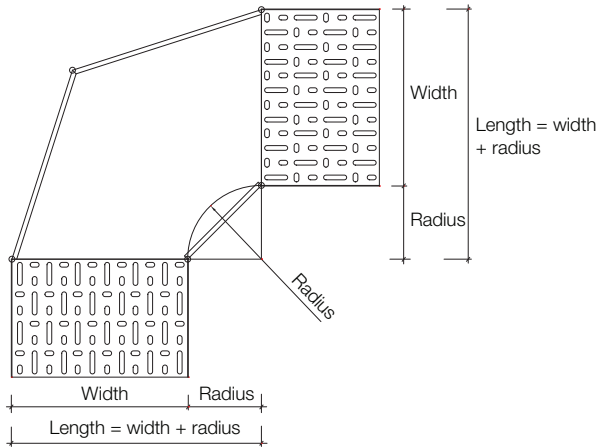
All accessories eg bends, tees etc should be directly supported by a suitable support device or devices at appropriate positions.

Cable tray systems

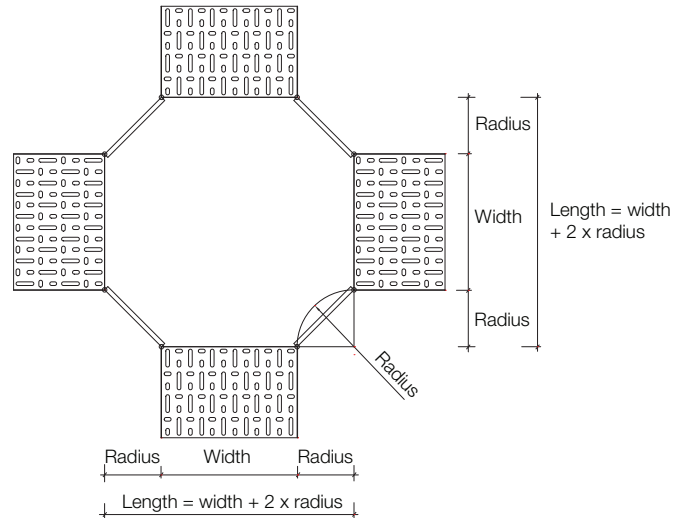
Product footprint

Cable tray – accessory foot print
Standard radius is 125mm

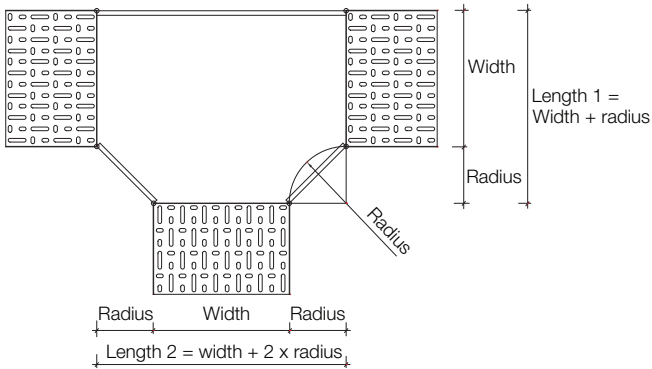
90° flat bend



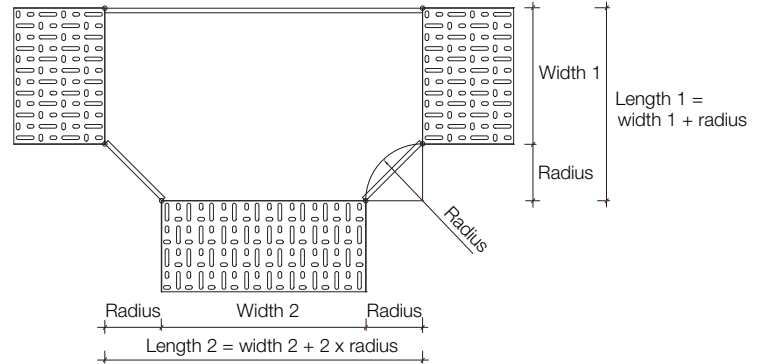
Crossover



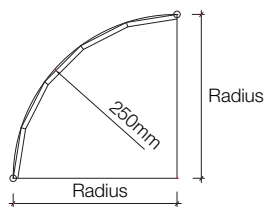
Equal tee



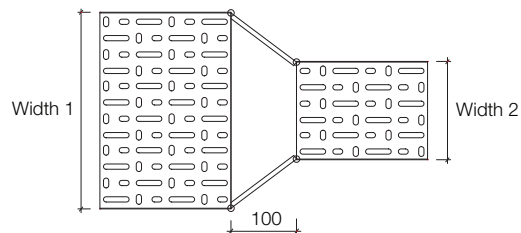
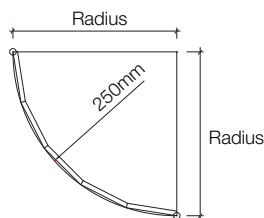
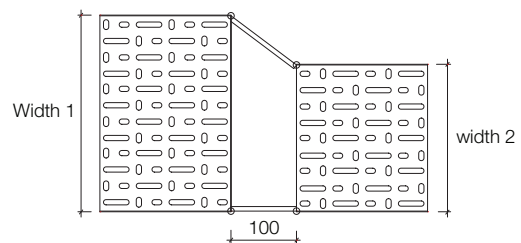
Unequal tee



90° riser



Straight or right / left hand reducer

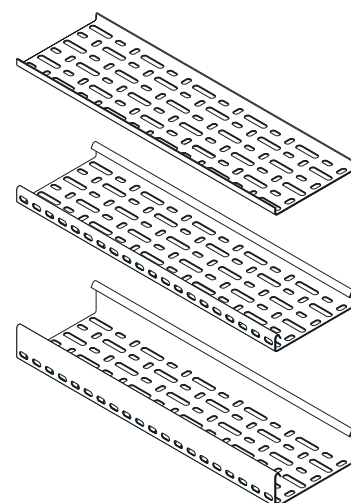


Footprints are identical for all ranges

Straight length

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Width mm	Light duty	Medium duty	Heavy duty
50	CTSL12/0050 PG3	CTSL25/0050 PG3	N/A
75	CTSL12/0075 PG3	CTSL25/0075 PG3	CTSL50/0075 PG3
100	CTSL12/0100 PG3	CTSL25/0100 PG3	CTSL50/0100 PG3
150	CTSL12/0150 PG3	CTSL25/0150 PG3	CTSL50/0150 PG3
225	CTSL12/0225 PG3	CTSL25/0225 PG3	CTSL50/0225 PG3
300	CTSL18/0300 PG3	CTSL25/0300 PG3	CTSL50/0300 PG3
450	N/A	CTSL25/0450 PG3	CTSL50/0450 PG3
600	N/A	CTSL25/0600 PG3	CTSL50/0600 PG3
750	N/A	N/A	CTSL50/0750 PG3
900	N/A	N/A	CTSL50/0900 PG3



Medium duty straight couplers

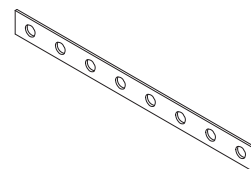
Only required for straight tray to straight tray connection – medium duty range

Finish: post galvanised = **HDG**, stainless steel grade 316 = **SS**

Sold in pairs (fasteners excluded)

CTSC25**HDGPR**

Not available in pre galvanised



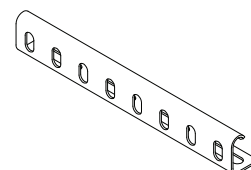
Medium duty wrap over couplers

Only required for straight tray to straight tray connection – medium duty range

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Sold in pairs (fasteners excluded)

CTC25**PGPR**



Heavy duty straight couplers

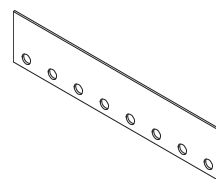
Only required for straight tray to straight tray connection – heavy duty range

Finish: post galvanised = **HDG**, stainless steel grade 316 = **SS**

Sold in pairs (fasteners excluded)

CTSC50**HDGPR**

Not available in pre galvanised



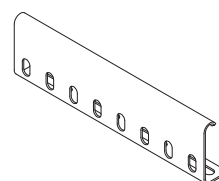
Heavy duty wrap over couplers

Only required for straight tray to straight tray connection – heavy duty range

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Sold in pairs (fasteners excluded)

CTC50**PGPR**

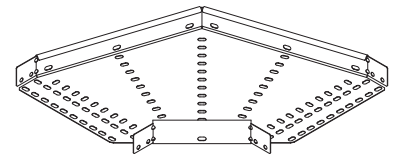


Cable tray systems

90° flat bends

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

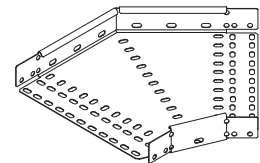
Width mm	Light duty	Medium duty	Heavy duty
50	CTFB12/0050 PG 90	CTFB25/0050 PG 90	N/A
75	CTFB12/0075 PG 90	CTFB25/0075 PG 90	CTFB50/0075 PG 90
100	CTFB12/0100 PG 90	CTFB25/0100 PG 90	CTFB50/0100 PG 90
150	CTFB12/0150 PG 90	CTFB25/0150 PG 90	CTFB50/0150 PG 90
225	CTFB12/0225 PG 90	CTFB25/0225 PG 90	CTFB50/0225 PG 90
300	CTFB18/0300 PG 90	CTFB25/0300 PG 90	CTFB50/0300 PG 90
450	N/A	CTFB25/0450 PG 90	CTFB50/0450 PG 90
600	N/A	CTFB25/0600 PG 90	CTFB50/0600 PG 90
750	N/A	N/A	CTFB50/0750 PG 90
900	N/A	N/A	CTFB50/0900 PG 90



45° flat bends

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Width mm	Light duty	Medium duty	Heavy duty
50	CTFB12/0050 PG 45	CTFB25/0050 PG 45	N/A
75	CTFB12/0075 PG 45	CTFB25/0075 PG 45	CTFB50/0075 PG 45
100	CTFB12/0100 PG 45	CTFB25/0100 PG 45	CTFB50/0100 PG 45
150	CTFB12/0150 PG 45	CTFB25/0150 PG 45	CTFB50/0150 PG 45
225	CTFB12/0225 PG 45	CTFB25/0225 PG 45	CTFB50/0225 PG 45
300	CTFB18/0300 PG 45	CTFB25/0300 PG 45	CTFB50/0300 PG 45
450	N/A	CTFB25/0450 PG 45	CTFB50/0450 PG 45
600	N/A	CTFB25/0600 PG 45	CTFB50/0600 PG 45
750	N/A	N/A	CTFB50/0750 PG 45
900	N/A	N/A	CTFB50/0900 PG 45

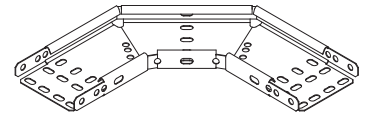


Adjustable flat bends

(Not available for light duty cable tray)

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

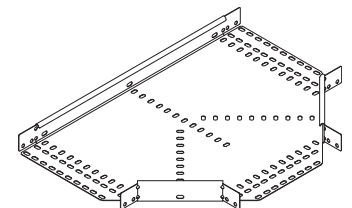
Width mm	Medium duty	Heavy duty
50	CTAB25/0050 PG	N/A
75	CTAB25/0075 PG	CTAB50/0075 PG
100	CTAB25/0100 PG	CTAB50/0100 PG
150	CTAB25/0150 PG	CTAB50/0150 PG
225	CTAB25/0225 PG	CTAB50/0225 PG
300	CTAB25/0300 PG	CTAB50/0300 PG



Equal tee

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Width mm	Light duty	Medium duty	Heavy duty
50	CTET12/0050 PG	CTET25/0050 PG	N/A
75	CTET12/0075 PG	CTET25/0075 PG	CTET50/0075 PG
100	CTET12/0100 PG	CTET25/0100 PG	CTET50/0100 PG
150	CTET12/0150 PG	CTET25/0150 PG	CTET50/0150 PG
225	CTET12/0225 PG	CTET25/0225 PG	CTET50/0225 PG
300	CTET18/0300 PG	CTET25/0300 PG	CTET50/0300 PG
450	N/A	CTET25/0450 PG	CTET50/0450 PG
600	N/A	CTET25/0600 PG	CTET50/0600 PG
750	N/A	N/A	CTET50/0750 PG
900	N/A	N/A	CTET50/0900 PG



Unequal tee (made to order)

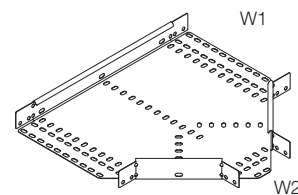
Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

How to generate the part number - CTUT (depth)/W1/W2(finish)

Example - CTUT 25/0300/0150/PG

Table below shows a complete list of W1 and W2 combinations.

W1	W2	W1	W2	W1	W2	W1	W2
50	75	100	450	300	75	600	450
50	100	100	600	300	100	600	750
50	150	100	750	300	150	600	900
50	225	100	900	300	225	750	50
50	300	150	50	300	450	750	75
50	450	150	75	300	600	750	100
50	600	150	100	300	750	750	150
50	750	150	225	300	900	750	225
50	900	150	300	450	50	750	300
75	50	150	450	450	75	750	450
75	100	150	600	450	100	750	600
75	150	150	750	450	150	750	900
75	225	150	900	450	225	900	50
75	300	225	50	450	300	900	75
75	450	225	75	450	600	900	100
75	600	225	100	450	750	900	150
75	750	225	150	450	900	900	225
75	900	225	300	600	50	900	300
100	50	225	450	600	75	900	450
100	75	225	600	600	100	900	600
100	150	225	750	600	150	900	750
100	225	225	900	600	225		
100	300	300	50	600	300		

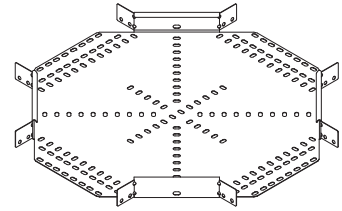


Cable tray systems

Crossovers

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Width mm	Light duty	Medium duty	Heavy duty
50	CTCO12/0050PG	CTCO25/0050PG	N/A
75	CTCO12/0075PG	CTCO25/0075PG	CTCO50/0075PG
100	CTCO12/0100PG	CTCO25/0100PG	CTCO50/0100PG
150	CTCO12/0150PG	CTCO25/0150PG	CTCO50/0150PG
225	CTCO12/0225PG	CTCO25/0225PG	CTCO50/0225PG
300	CTCO18/0300PG	CTCO25/0300PG	CTCO50/0300PG
450	N/A	CTCO25/0450PG	CTCO50/0450PG
600	N/A	CTCO25/0600PG	CTCO50/0600PG
750	N/A	N/A	CTCO50/0750PG
900	N/A	N/A	CTCO50/0900PG



Internal riser - flexible

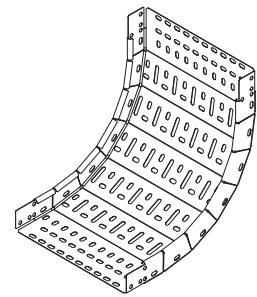
Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

CTFR = Flexible risers are supplied flat and folded on site to suit angle.

CTIR = Internal risers are folded to suit stated angle. 90 = 90°, 60 = 60°, 45 = 45°, 30 = 30°

Eg: CTIR50/0900PG90

Width mm	Light duty	Medium duty	Heavy duty
50	CTFR12/0050PG	CTFR25/0050PG	N/A
75	CTFR12/0075PG	CTFR25/0075PG	CTFR50/0075PG
100	CTFR12/0100PG	CTFR25/0100PG	CTFR50/0100PG
150	CTFR12/0150PG	CTFR25/0150PG	CTFR50/0150PG
225	CTFR12/0225PG	CTFR25/0225PG	CTFR50/0225PG
300	CTFR18/0300PG	CTFR25/0300PG	CTFR50/0300PG
450	N/A	CTFR25/0450PG	CTFR50/0450PG
600	N/A	CTFR25/0600PG	CTFR50/0600PG
750	N/A	N/A	CTIR50/0750PG90 (only available pre-folded)
900	N/A	N/A	CTIR50/0900PG90 (only available pre-folded)



External riser - flexible

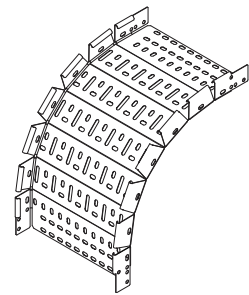
Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

CTFR = Flexible risers are supplied flat and folded on site to suit angle.

CTER = External risers are folded to suit stated angle. 90 = 90°, 60 = 60°, 45 = 45°, 30 = 30°

Eg: CTER50/0900PG90

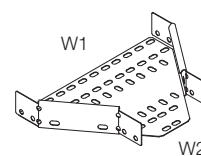
Width mm	Light duty	Medium duty	Heavy duty
50	CTFR12/0050PG	CTFR25/0050PG	N/A
75	CTFR12/0075PG	CTFR25/0075PG	CTFR50/0075PG
100	CTFR12/0100PG	CTFR25/0100PG	CTFR50/0100PG
150	CTFR12/0150PG	CTFR25/0150PG	CTFR50/0150PG
225	CTFR12/0225PG	CTFR25/0225PG	CTFR50/0225PG
300	CTFR18/0300PG	CTFR25/0300PG	CTFR50/0300PG
450	N/A	CTFR25/0450PG	CTFR50/0450PG
600	N/A	CTFR25/0600PG	CTFR50/0600PG
750	N/A	N/A	CTER50/0750PG90 (only available pre-folded)
900	N/A	N/A	CTER50/0900PG90 (only available pre-folded)



Reducers

Finish: pre galvanised = PG, post galvanised = HDG, stainless steel grade 316 = SS

Width mm W1 W2		Light duty	Medium duty	Heavy duty
75	50	CTSR12/0075/0050PG	CTSR25/0075/0050PG	N/A
100	50	CTSR12/0100/0050PG	CTSR25/0100/0050PG	N/A
150	50	CTSR12/0150/0050PG	CTSR25/0150/0050PG	N/A
225	50	CTSR12/0225/0050PG	CTSR25/0225/0050PG	N/A
300	50	CTSR18/0300/0050PG	CTSR25/0300/0050PG	N/A
450	50	N/A	CTSR25/0450/0050PG	N/A
600	50	N/A	CTSR25/0600/0050PG	N/A
750	50	N/A	N/A	N/A
900	50	N/A	N/A	N/A
100	75	CTSR12/0100/0075PG	CTSR25/0100/0075PG	CTSR50/0100/0075PG
150	75	CTSR12/0150/0075PG	CTSR25/0150/0075PG	CTSR50/0150/0075PG
225	75	CTSR12/0225/0075PG	CTSR25/0225/0075PG	CTSR50/0225/0075PG
300	75	CTSR18/0300/0075PG	CTSR25/0300/0075PG	CTSR50/0300/0075PG
450	75	N/A	CTSR25/0450/0075PG	CTSR50/0450/0075PG
600	75	N/A	CTSR25/0600/0075PG	CTSR50/0600/0075PG
750	75	N/A	N/A	CTSR50/0750/0075PG
900	75	N/A	N/A	CTSR50/0900/0075PG
150	100	CTSR12/0150/0100PG	CTSR25/0150/0100PG	CTSR50/0150/0100PG
225	100	CTSR12/0225/0100PG	CTSR25/0225/0100PG	CTSR50/0225/0100PG
300	100	CTSR18/0300/0100PG	CTSR25/0300/0100PG	CTSR50/0300/0100PG
450	100	N/A	CTSR25/0450/0100PG	CTSR50/0450/0100PG
600	100	N/A	CTSR25/0600/0100PG	CTSR50/0600/0100PG
750	100	N/A	N/A	CTSR50/0750/0100PG
900	100	N/A	N/A	CTSR50/0900/0100PG
225	150	CTSR12/0225/0150PG	CTSR25/0225/0150PG	CTSR50/0225/0150PG
300	150	CTSR18/0300/0150PG	CTSR25/0300/0150PG	CTSR50/0300/0150PG
450	150	N/A	CTSR25/0450/0150PG	CTSR50/0450/0150PG
600	150	N/A	CTSR25/0600/0150PG	CTSR50/0600/0150PG
750	150	N/A	N/A	CTSR50/0750/0150PG
900	150	N/A	N/A	CTSR50/0900/0150PG
300	225	CTSR18/0300/0225PG	CTSR25/0300/0225PG	CTSR50/0300/0225PG
450	225	N/A	CTSR25/0450/0225PG	CTSR50/0450/0225PG
600	225	N/A	CTSR25/0600/0225PG	CTSR50/0600/0225PG
750	225	N/A	N/A	CTSR50/0750/0225PG
900	225	N/A	N/A	CTSR50/0900/0225PG
450	300	N/A	CTSR25/0450/0300PG	CTSR50/0450/0300PG
600	300	N/A	CTSR25/0600/0300PG	CTSR50/0600/0300PG
750	300	N/A	N/A	CTSR50/0750/0300PG
900	300	N/A	N/A	CTSR50/0900/0300PG
600	450	N/A	CTSR25/0600/0450PG	CTSR50/0600/0450PG
750	450	N/A	N/A	CTSR50/0750/0450PG
900	450	N/A	N/A	CTSR50/0900/0450PG
750	600	N/A	N/A	CTSR50/0750/0600PG
900	600	N/A	N/A	CTSR50/0900/0600PG
900	750	N/A	N/A	CTSR50/0900/0750PG

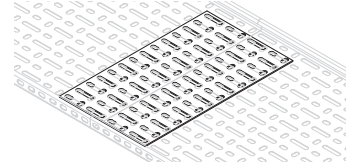
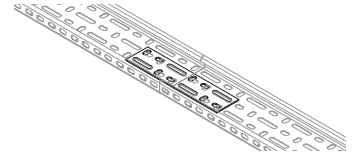


Cable tray systems

Fishplate couplers

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Width mm	(always required for cut lengths of light duty tray)
50	CTFP1 PG
75	CTFP1 PG
100	CTFP1 PG
150	CTFP1 PG
225	CTFP2 PG
300	CTFP2 PG
450	CTFP2 PG
600	CTFP2 PG
750	CTFP2 PG
900	CTFP2 PG



Cover - straight length - 3m long

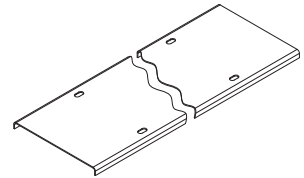
Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Standard closed covers = **CC**, ventilated cover = **CV**

Includes 6 fixing clamps and fasteners

Width	Light duty	Medium duty	Heavy duty
50	CTSL12 CV /050 PG	CTSL25 CC /050 PG	N/A
75	CTSL12 CV /075 PG	CTSL25 CC /075 PG	CTSL50 CC /075 PG
100	CTSL12 CV /100 PG	CTSL25 CC /100 PG	CTSL50 CC /100 PG
150	CTSL12 CV /150 PG	CTSL25 CC /150 PG	CTSL50 CC /150 PG
225	CTSL12 CV /225 PG	CTSL25 CC /225 PG	CTSL50 CC /225 PG
300	CTSL18 CV /300 PG	CTSL25 CC /300 PG	CTSL50 CC /300 PG
450	N/A	CTSL25 CC /450 PG	CTSL50 CC /450 PG
600	N/A	CTSL25 CC /600 PG	CTSL50 CC /600 PG
750	N/A	N/A	CTSL50 CC /750 PG
900	N/A	N/A	CTSL50 CC /900 PG

*NB. Closed cover not available for 12mm and 18mm deep cable tray.

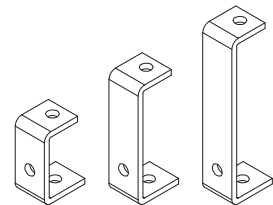


Extra cover clips

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Standard closed covers = **CC**, ventilated cover = **CV**

Duty	Standard	Ventilated
Light	N/A	CTC CV 18 HDG
Medium	CTC CC 25 HDG	CTC CV 25 HDG
Heavy	CTC CC 50 HDG	CTC CV 50 HDG



Cover - 90° flat bends

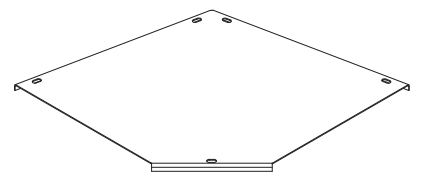
Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Standard closed covers = **CC**, ventilated cover = **CV**

Includes 5 fixing clamps and fasteners

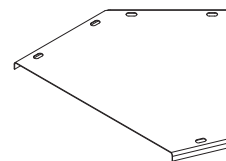
Width	Light duty	Medium duty	Heavy duty
50	CTFB12 CV /050 PG 90	CTFB25 CC /050 PG 90	N/A
75	CTFB12 CV /075 PG 90	CTFB25 CC /075 PG 90	CTFB50 CC /075 PG 90
100	CTFB12 CV /100 PG 90	CTFB25 CC /100 PG 90	CTFB50 CC /100 PG 90
150	CTFB12 CV /150 PG 90	CTFB25 CC /150 PG 90	CTFB50 CC /150 PG 90
225	CTFB12 CV /225 PG 90	CTFB25 CC /225 PG 90	CTFB50 CC /225 PG 90
300	CTFB18 CV /300 PG 90	CTFB25 CC /300 PG 90	CTFB50 CC /300 PG 90
450	N/A	CTFB25 CC /450 PG 90	CTFB50 CC /450 PG 90
600	N/A	CTFB25 CC /600 PG 90	CTFB50 CC /600 PG 90
750	N/A	N/A	CTFB50 CC /750 PG 90
900	N/A	N/A	CTFB50 CC /900 PG 90

*NB. Closed cover not available for 12mm and 18mm deep cable tray.



Cover - 45° flat bends

Finish: pre galvanised = PG, post galvanised = HDG, stainless steel grade 316 = SS
 Standard closed covers = CC, ventilated cover = CV
 Includes 5 fixing clamps and fasteners

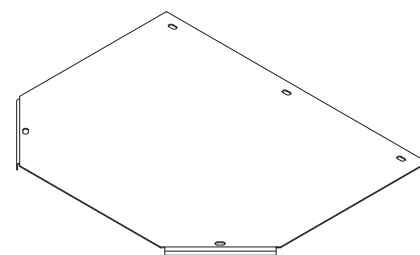


Width	Light duty	Medium duty	Heavy duty
50	CTFB12CV/050PG45	CTFB25CC/050PG45	N/A
75	CTFB12CV/075PG45	CTFB25CC/075PG45	CTFB50CC/075PG45
100	CTFB12CV/100PG45	CTFB25CC/100PG45	CTFB50CC/100PG45
150	CTFB12CV/150PG45	CTFB25CC/150PG45	CTFB50CC/150PG45
225	CTFB12CV/225PG45	CTFB25CC/225PG45	CTFB50CC/225PG45
300	CTFB18CV/300PG45	CTFB25CC/300PG45	CTFB50CC/300PG45
450	N/A	CTFB25CC/450PG45	CTFB50CC/450PG45
600	N/A	CTFB25CC/600PG45	CTFB50CC/600PG45
750	N/A	N/A	CTFB50CC/750PG45
900	N/A	N/A	CTFB50CC/900PG45

*NB. Closed cover not available for 12mm and 18mm deep cable tray.

Cover - equal tee

Finish: pre galvanised = PG, post galvanised = HDG, stainless steel grade 316 = SS
 Standard closed covers = CC, ventilated cover = CV
 Includes 5 fixing clamps and fasteners

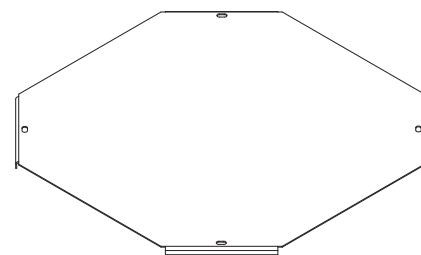


Width	Light duty	Medium duty	Heavy duty
50	CTET12CV/050PG	CTET25CC/050PG	N/A
75	CTET12CV/075PG	CTET25CC/075PG	CTET50CC/075PG
100	CTET12CV/100PG	CTET25CC/100PG	CTET50CC/100PG
150	CTET12CV/150PG	CTET25CC/150PG	CTET50CC/150PG
225	CTET12CV/225PG	CTET25CC/225PG	CTET50CC/225PG
300	CTET18CV/300PG	CTET25CC/300PG	CTET50CC/300PG
450	N/A	CTET25CC/450PG	CTET50CC/450PG
600	N/A	CTET25CC/600PG	CTET50CC/600PG
750	N/A	N/A	CTET50CC/750PG
900	N/A	N/A	CTET50CC/900PG

*NB. Closed cover not available for 12mm and 18mm deep cable tray.

Cover - crossover

Finish: pre galvanised = PG, post galvanised = HDG, stainless steel grade 316 = SS
 Standard closed covers = CC, ventilated cover = CV
 Includes 4 fixing clamps and fasteners



Width	Light duty	Medium duty	Heavy duty
50	CTCO12CV/050PG	CTCO25CC/050PG	N/A
75	CTCO12CV/075PG	CTCO25CC/075PG	CTCO50CC/075PG
100	CTCO12CV/100PG	CTCO25CC/100PG	CTCO50CC/100PG
150	CTCO12CV/150PG	CTCO25CC/150PG	CTCO50CC/150PG
225	CTCO12CV/225PG	CTCO25CC/225PG	CTCO50CC/225PG
300	CTCO18CV/300PG	CTCO25CC/300PG	CTCO50CC/300PG
450	N/A	CTCO25CC/450PG	CTCO50CC/450PG
600	N/A	CTCO25CC/600PG	CTCO50CC/600PG
750	N/A	N/A	CTCO50CC/750PG
900	N/A	N/A	CTCO50CC/900PG

*NB. Closed cover not available for 12mm and 18mm deep cable tray.

Cable tray systems

Cover - unequal tee (made to order)

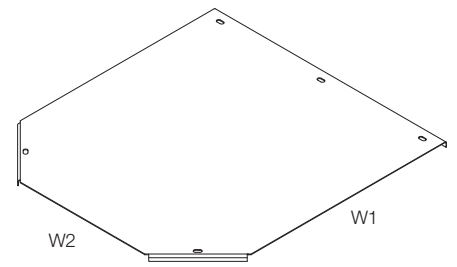
Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**
 Standard closed covers = **CC**, ventilated cover = **CV**
 Includes 5 fixing clamps and fasteners

How to generate the part number - CTUT (cover type) (depth)/W1/W2(finish)

Example - CTUT **CC** 25/300/150**PG**

Table below shows a complete list of W1 and W2 combinations.

W1	W2	W1	W2	W1	W2	W1	W2
50	75	100	450	300	75	600	450
50	100	100	600	300	100	600	750
50	150	100	750	300	150	600	900
50	225	100	900	300	225	750	50
50	300	150	50	300	450	750	75
50	450	150	75	300	600	750	100
50	600	150	100	300	750	750	150
50	750	150	225	300	900	750	225
50	900	150	300	450	50	750	300
75	50	150	450	450	75	750	450
75	100	150	600	450	100	750	600
75	150	150	750	450	150	750	900
75	225	150	900	450	225	900	50
75	300	225	50	450	300	900	75
75	450	225	75	450	600	900	100
75	600	225	100	450	750	900	150
75	750	225	150	450	900	900	225
75	900	225	300	600	50	900	300
100	50	225	450	600	75	900	450
100	75	225	600	600	100	900	600
100	150	225	750	600	150	900	750
100	225	225	900	600	225		
100	300	300	50	600	300		



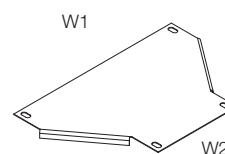
*NB. Closed cover not available for 12mm and 18mm deep cable tray.

Cover - reducer

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

Standard closed covers = **CC**, ventilated cover = **CV**

Includes 4 fixing clamps and fasteners



Width mm		Light duty	Medium duty	Heavy duty
W1	W2			
75	50	CTSR CV 12/0075/0050 PG	CTSR CC 25/0075/0050 PG	N/A
100	50	CTSR CV 12/0100/0050 PG	CTSR CC 25/0100/0050 PG	N/A
150	50	CTSR CV 12/0150/0050 PG	CTSR CC 25/0150/0050 PG	N/A
225	50	CTSR CV 12/0225/0050 PG	CTSR CC 25/0225/0050 PG	N/A
300	50	N/A	CTSR CC 25/0300/0050 PG	N/A
450	50	N/A	CTSR CC 25/0450/0050 PG	N/A
600	50	N/A	CTSR CC 25/0600/0050 PG	N/A
750	50	N/A	N/A	N/A
900	50	N/A	N/A	N/A
100	75	CTSR CV 12/0100/0075 PG	CTSR CC 25/0100/0075 PG	CTSR CC 50/0100/0075 PG
150	75	CTSR CV 12/0150/0075 PG	CTSR CC 25/0150/0075 PG	CTSR CC 50/0150/0075 PG
225	75	CTSR CV 12/0225/0075 PG	CTSR CC 25/0225/0075 PG	CTSR CC 50/0225/0075 PG
300	75	CTSR CV 18/0300/0075 PG	CTSR CC 25/0300/0075 PG	CTSR CC 50/0300/0075 PG
450	75	N/A	CTSR CC 25/0450/0075 PG	CTSR CC 50/0450/0075 PG
600	75	N/A	CTSR CC 25/0600/0075 PG	CTSR CC 50/0600/0075 PG
750	75	N/A	N/A	CTSR CC 50/0750/0075 PG
900	75	N/A	N/A	CTSR CC 50/0900/0075 PG
150	100	CTSR CV 12/0150/0100 PG	CTSR CC 25/0150/0100 PG	CTSR CC 50/0150/0100 PG
225	100	CTSR CV 12/0225/0100 PG	CTSR CC 25/0225/0100 PG	CTSR CC 50/0225/0100 PG
300	100	CTSR CV 18/0300/0100 PG	CTSR CC 25/0300/0100 PG	CTSR CC 50/0300/0100 PG
450	100	N/A	CTSR CC 25/0450/0100 PG	CTSR CC 50/0450/0100 PG
600	100	N/A	CTSR CC 25/0600/0100 PG	CTSR CC 50/0600/0100 PG
750	100	N/A	N/A	CTSR CC 50/0750/0100 PG
900	100	N/A	N/A	CTSR CC 50/0900/0100 PG
225	150	CTSR CV 12/0225/0150 PG	CTSR CC 25/0225/0150 PG	CTSR CC 50/0225/0150 PG
300	150	CTSR CV 18/0300/0150 PG	CTSR CC 25/0300/0150 PG	CTSR CC 50/0300/0150 PG
450	150	N/A	CTSR CC 25/0450/0150 PG	CTSR CC 50/0450/0150 PG
600	150	N/A	CTSR CC 25/0600/0150 PG	CTSR CC 50/0600/0150 PG
750	150	N/A	N/A	CTSR CC 50/0750/0150 PG
900	150	N/A	N/A	CTSR CC 50/0900/0150 PG
300	225	CTSR CV 18/0300/0225 PG	CTSR CC 25/0300/0225 PG	CTSR CC 50/0300/0225 PG
450	225	N/A	CTSR CC 25/0450/0225 PG	CTSR CC 50/0450/0225 PG
600	225	N/A	CTSR CC 25/0600/0225 PG	CTSR CC 50/0600/0225 PG
750	225	N/A	N/A	CTSR CC 50/0750/0225 PG
900	225	N/A	N/A	CTSR CC 50/0900/0225 PG
450	300	N/A	CTSR CC 25/0450/0300 PG	CTSR CC 50/0450/0300 PG
600	300	N/A	CTSR CC 25/0600/0300 PG	CTSR CC 50/0600/0300 PG
750	300	N/A	N/A	CTSR CC 50/0750/0300 PG
900	300	N/A	N/A	CTSR CC 50/0900/0300 PG
600	450	N/A	CTSR CC 25/0600/0450 PG	CTSR CC 50/0600/0450 PG
750	450	N/A	N/A	CTSR CC 50/0750/0450 PG
900	450	N/A	N/A	CTSR CC 50/0900/0450 PG
750	600	N/A	N/A	CTSR CC 50/0750/0600 PG
900	600	N/A	N/A	CTSR CC 50/0900/0600 PG
900	750	N/A	N/A	CTSR CC 50/0900/0750 PG

*NB. Closed cover not available for 12mm and 18mm deep cable tray.

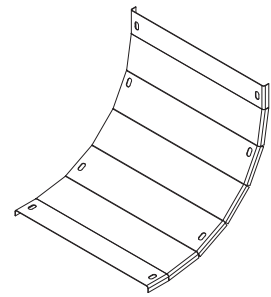
Cable tray systems

Cover - 90° internal riser

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**
 Standard closed covers = **CC**, ventilated cover = **CV**
 Includes 8 fixing clamps and fasteners

Width mm	Light duty	Medium duty	Heavy duty
50	CTIR12CV/0050PG90	CTIR25CC/0050PG90	N/A
75	CTIR12CV/0075PG90	CTIR25CC/0075PG90	CTIR50CC/0075PG90
100	CTIR12CV/0100PG90	CTIR25CC/0100PG90	CTIR50CC/0100PG90
150	CTIR12CV/0150PG90	CTIR25CC/0150PG90	CTIR50CC/0150PG90
225	CTIR12CV/0225PG90	CTIR25CC/0225PG90	CTIR50CC/0225PG90
300	CTIR18CV/0300PG90	CTIR25CC/0300PG90	CTIR50CC/0300PG90
450	N/A	CTIR25CC/0450PG90	CTIR50CC/0450PG90
600	N/A	CTIR25CC/0600PG90	CTIR50CC/0600PG90
750	N/A	N/A	CTIR50CC/0750PG90
900	N/A	N/A	CTIR50CC/0900PG90

*NB. Closed cover not available for 12mm and 18mm deep cable tray.

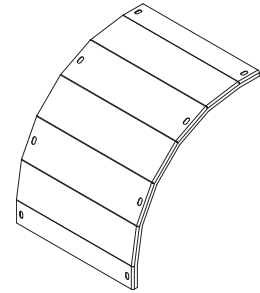


Cover - 90° external riser

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**
 Standard closed covers = **CC**, ventilated cover = **CV**
 Includes 8 fixing clamps and fasteners

Width mm	Light duty	Medium duty	Heavy duty
50	CTER12CV/0050PG90	CTER25CC/0050PG90	N/A
75	CTER12CV/0075PG90	CTER25CC/0075PG90	CTER50CC/0075PG90
100	CTER12CV/0100PG90	CTER25CC/0100PG90	CTER50CC/0100PG90
150	CTER12CV/0150PG90	CTER25CC/0150PG90	CTER50CC/0150PG90
225	CTER12CV/0225PG90	CTER25CC/0225PG90	CTER50CC/0225PG90
300	CTER18CV/0300PG90	CTER25CC/0300PG90	CTER50CC/0300PG90
450	N/A	CTER25CC/0450PG90	CTER50CC/0450PG90
600	N/A	CTER25CC/0600PG90	CTER50CC/0600PG90
750	N/A	N/A	CTER50CC/0750PG90
900	N/A	N/A	CTER50CC/0900PG90

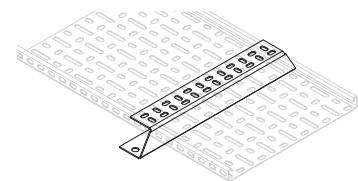
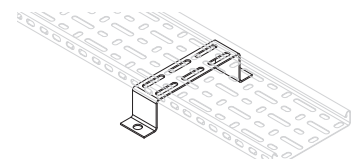
*NB. Closed cover not available for 12mm and 18mm deep cable tray.



Stand off brackets

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

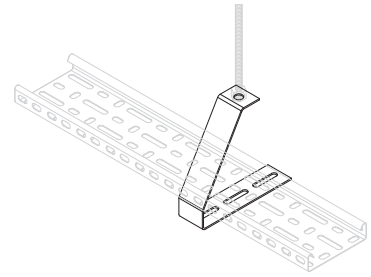
Width mm	
50	CTSO050PG
75	CTSO075PG
100	CTSO100PG
150	CTSO150PG
225	CTSO225PG
300	CTSO300PG
450	CTSO450PG
600	CTSO600PG
750	CTSO750PG
900	CTSO900PG



Hanger brackets

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

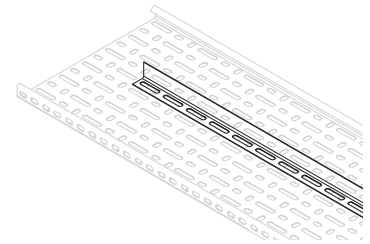
Width mm	
50	CTHB050/PG
75	CTHB075/PG
100	CTHB100/PG
150	CTHB150/PG



Straight divider - 3m

Finish: pre galvanised = **PG**, post galvanised = **HDG**, stainless steel grade 316 = **SS**

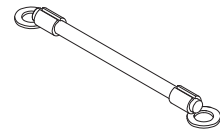
Tray depth mm	
25	CTDI025PG3
50	CTDI050PG3



Earthing straps

Finish: electro-tinned

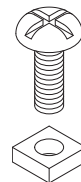
Use M6 x 12 roofing bolts	Supplied in packs of 10
CT/ES100	
Copper braid electro tinned 4mm ² , 100mm long	



Roofing bolts and nuts

Finish: BZP as standard, stainless steel grade 316 = **SS**

M6 x 12 roofing bolts
Supplied in packs of 100
M06X12RB



Product range summary

Manufacturing solutions

Metstrut manufactures a broad range of cable management products that includes Cable Tray, Cable Ladder, Cable Trunking, Metal Framing and Rapid Installation systems.

Centrally located within the West Midlands close to major motorway networks, Metstrut is able to offer a National service through major electrical and mechanical distributors.

With over 10,000 m² of manufacturing and warehouse space, and state of the art equipment, a strong emphasis is placed on service, and a high level of 'on-time in-full' delivery performance is maintained.

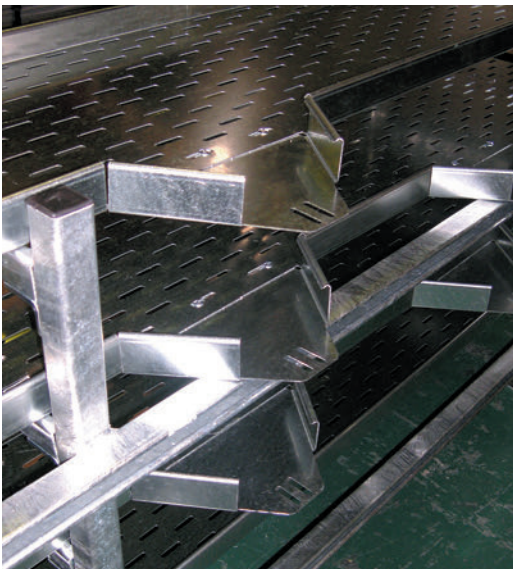
Comprehensive stocks are carried at all times and replenished through lean manufacturing principles.

With the ever-increasing demand from clients for value added products and services, Metstrut offers a comprehensive pre-fabrication facility that ranges from cut lengths of channel to bolted or welded frames both in 2D and 3D configuration. Cable tray, ladder and trunking can be pre-installed if required. This allows the contractor to schedule his requirements to overcome space and labour restrictions on site. Waste is also greatly reduced and site safety enhanced.



Significant cost savings can be achieved by opting for prefabrication off site and skilled electricians are released to do what they are best at.

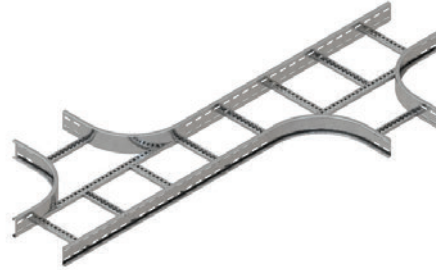
Metstrut also offers a full design service for its products and services to ensure the correct selection is made for the most cost effective solution. When required, CAD drawings are produced to ensure a full understanding of the solution is achieved.



Product range

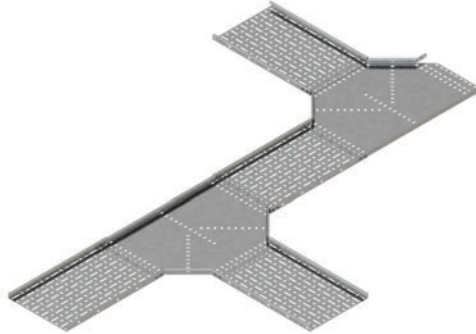
Cable ladder systems

Metstrut cable ladder systems are widely accepted due to their strength to weight ratio and simplicity of design. Easily installed and with a comprehensive range of accessories, Metstrut cable ladder systems can be found in applications throughout the UK, Ireland and mainland Europe.



Cable tray systems

Metstrut cable tray systems have been designed after considerable consultation with end users and installers to arrive at a final design that satisfies all of their requirements. Each cable tray range features a unique slotting pattern in the base and the return flange ranges have slotted sides. Additionally, each tray range has the same footprint to aid setting out when final loadings are not yet available.



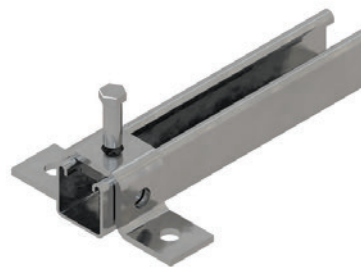
Cable trunking systems

Metstrut cable trunking systems are available as standard distribution trunking and also as lighting trunking. Manufactured on state of the art computer controlled equipment with a high level of automation, Metstrut cable trunking is of economic design to provide competitive solutions.



Metal framing systems

Metstrut offers the traditional channel system in a variety of profiles and gauges with a large range of fittings and fasteners. The fully tested system can be reliably used for a wide application base for the support of mechanical and electrical services.



A Rapid Installation version is also available with a unique channel profile and pre-assembled fittings with integral fixings. By using this product range, installation times are drastically reduced.

Both systems can be fully integrated for total flexibility.

