



# product catalogue



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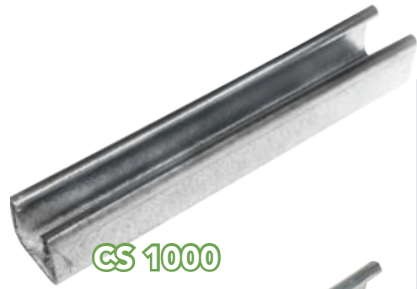
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# contents

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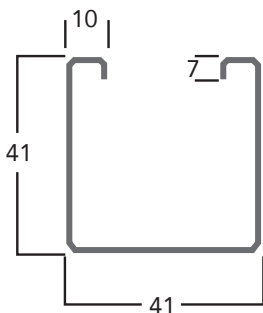
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# wiring channels

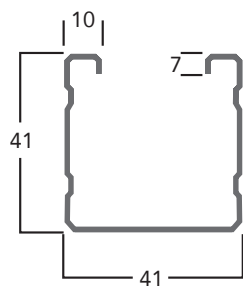


Product	Thickness	Standard Length	Dimensions	Finish
CS 1000	2.5mm	5m	41 x 41mm	Pre-Galvanised
CS 2000	1mm	5m	41 x 41mm	Pre-Galvanised
CS 2000	1.5mm	5m	41 x 41mm	Pre-Galvanised
CS 3300	2.5mm	5m	41 x 21mm	Pre-Galvanised
CS 4000	1.5mm	5m	41 x 21mm	Pre-Galvanised
CS 1184	0.5mm	2.5m	40mm	Pre-Galvanised
CS 1184		2.5m	38mm	PVC Grey or White

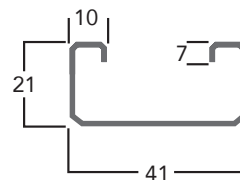
## technical measurements



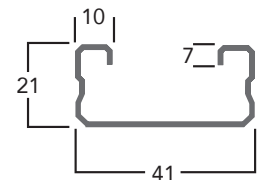
CS 1000



CS 2000



CS 3300



CS 4000

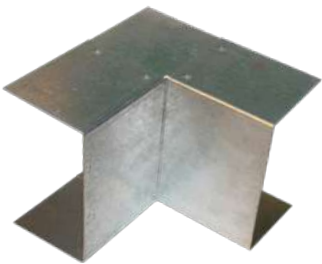
For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# channel accessories

## solid accessories



Internal Elbow



External Elbow



Horizontal Elbow



Internal Splice



End Cap



3 Way Tee



4 Way Crossover



Top Hanger  
10mm Hole



Flange Hanger



Nylon Fluorescent Adaptor  
- 20mm



Purlin Hanger

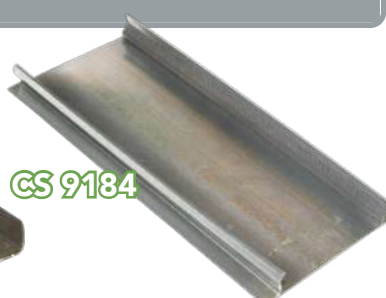
Product	Thickness
JC 8	M8 Flange Hanger
JC 10	M10 Flange Hanger
JC 12	M12 Flange Hanger

Product	Thickness
PC 8	CS 6/8mm Purlin Clamp
PC 10	CS 10mm Purlin Clamp
PC 12	CS 12mm Purlin Clamp

For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# trunking & covers

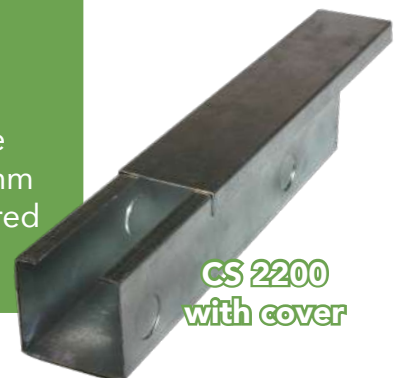
Product	Thickness	Standard Length	Dimensions	Finish Options
CS 8000	0.6mm or 0.8mm	3m	76 x 76mm	Pre-Galvanised
CS 8300	0.6mm	3m	76 x 63mm	Pre-Galvanised
CS 8200	0.6mm	3m	76 x 50mm	Pre-Galvanised
CS 8184	0.5mm	3m	72.5mm	Pre-Galvanised/ PVC White or Grey
CS 9000	0.6mm or 0.8mm	3m	127 x 76mm	Pre-Galvanised
CS 9184	0.5mm	3m	124mm	Pre-Galvanised/ PVC White or Grey
CS 2200	0.8mm	3m	50 x 50mm	Pre-Galvanised
CS 2184	0.8mm	3m	50 x 50mm	Pre-Galvanised



For **CS 8300** trunking, the knockouts fit 3 pin 5 amp plug sockets. Knockouts are placed at 750mm centres, staggered



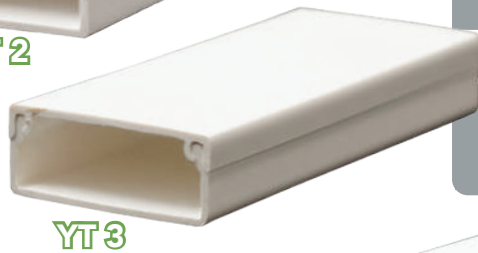
For **CS 2200** trunking, the 20mm knockouts are spaced at 152mm centres, staggered



For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# pvc trunking

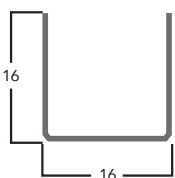
## compact miniature trunking



Product	Dimensions	Standard Length
YT 1	16 x 16mm	2m
YT 2	25 x 16mm	3m
YT 2.5	25 x 25mm	3m
YT 3	40 x 16mm	3m
YT 4	40 x 25mm	3m
YT 5	40 x 40mm	3m

We have a full range of accessories available, to ensure a professional finish

### technical measurements



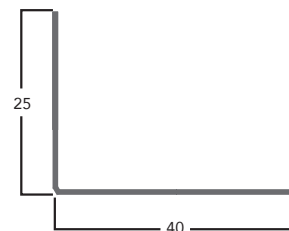
YT 1



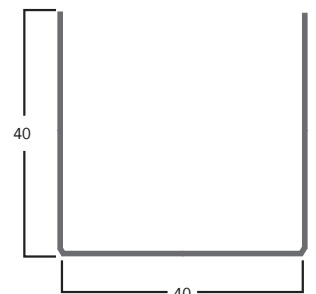
YT 2



YT 3



YT 4



YT 5

For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# pvc trunking

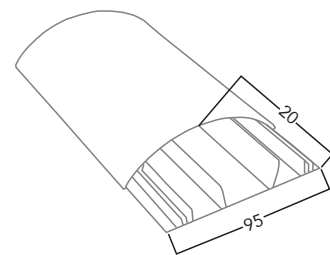
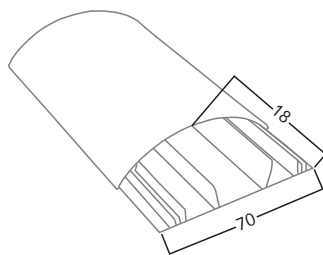
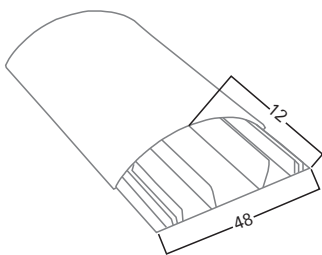
Product	Dimensions	Standard Length
NBT / 4	100 x 40mm	3m
NBT / 4	Divider	3m
Corner Trunking	55 x 30mm	3m



## half moon trunking



## technical measurements

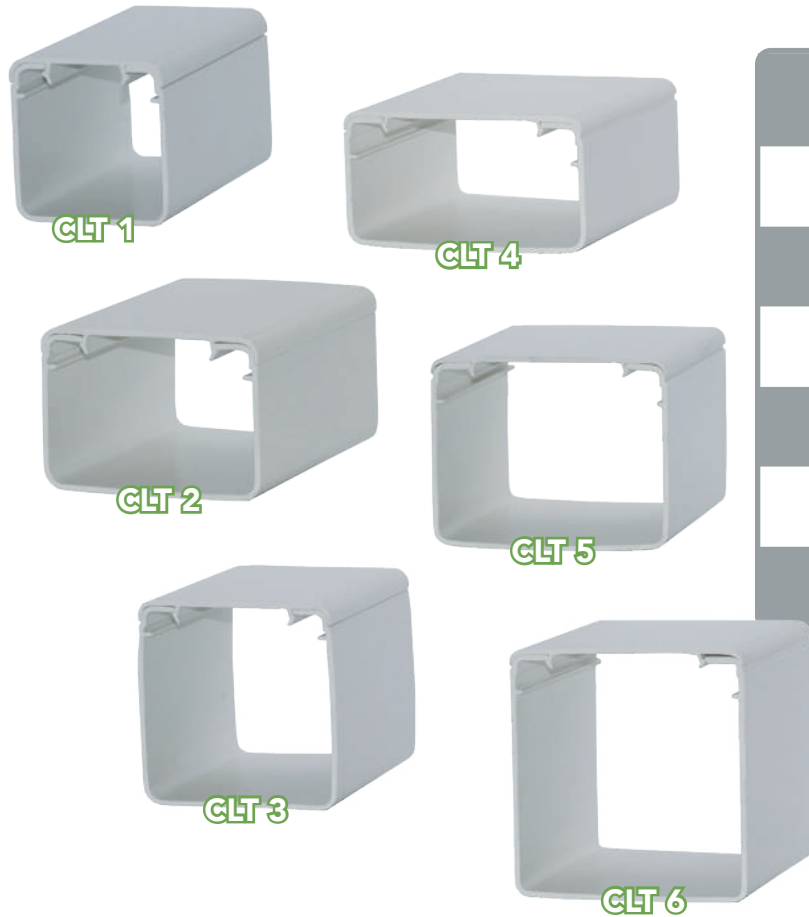


For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.



# pvc trunking

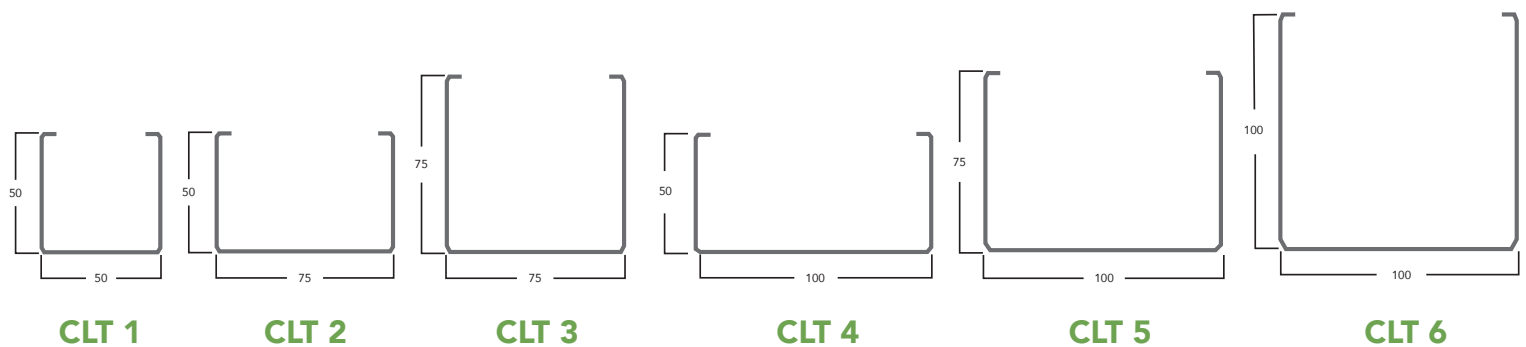
## industrial cable trunking



Product	Dimensions	Standard Length
CLT 1	50 x 50mm	3m
CLT 2	75 x 50mm	3m
CLT 3	75 x 75mm	3m
CLT 4	100 x 50mm	3m
CLT 5	100 x 75mm	3m
CLT 6	100 x 100mm	3m

All in grey  
Available in white on request

## technical measurements

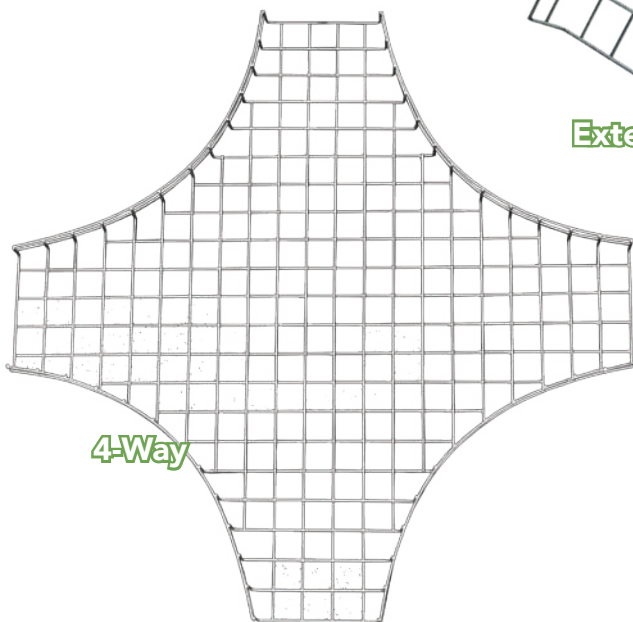
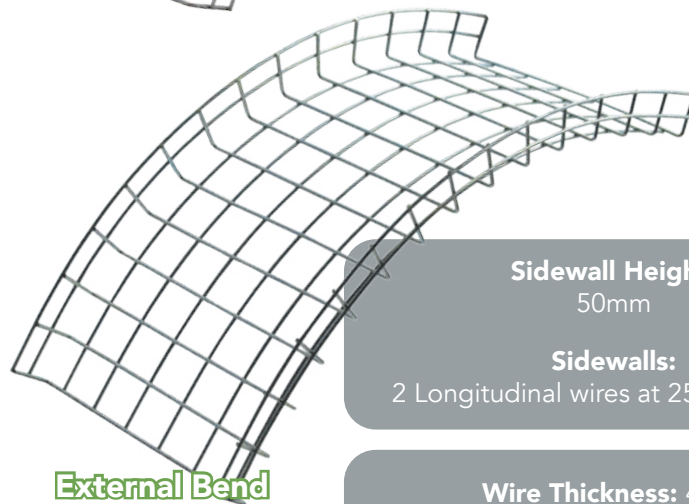
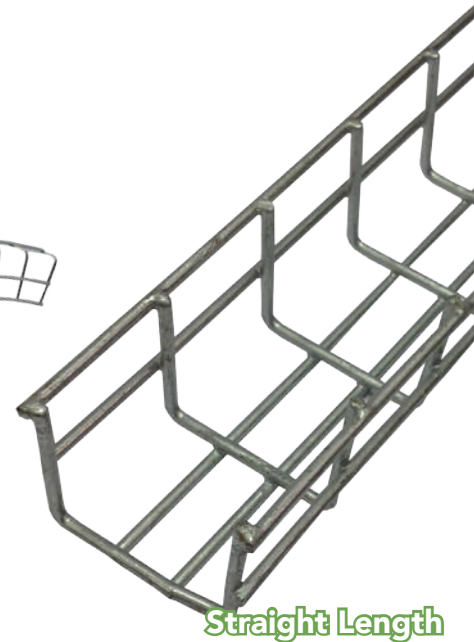
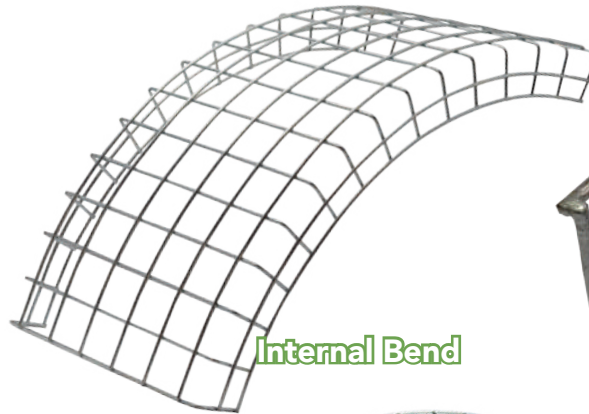


For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# wire mesh cable trays

## medium duty

Width	Joiner Sets Required
50mm	2
100mm	3
150mm	3
200mm	3
300mm	3
400mm	4
500mm	4
600mm	4



**Sidewall Height:**  
50mm

**Sidewalls:**  
2 Longitudinal wires at 25mm centres

**Wire Thickness:** 4mm

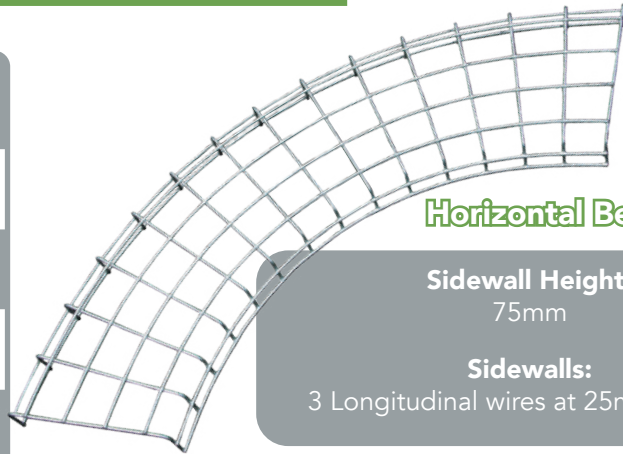
- 3000mm (3m) Standard Length
- Pitch 100 x 50mm and 50 x 50mm
- Standard finishes are Hex Galvanised to Standard DIN 50979
- Hold Down Saddle and Joiner clamp set galvanised
  - Other finishes on request -  
Eg. Powder Coated or Stainless Steel

For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# wire mesh cable trays

## heavy duty

Width	Joiner Sets Required
100mm	3
150mm	3
200mm	3
300mm	3
400mm	5
500mm	5
600mm	5
800mm	5
1000mm	5



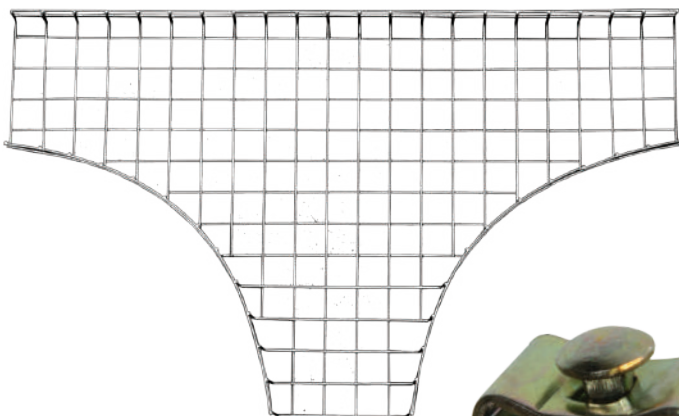
**Horizontal Bend**

**Sidewall Height:**  
75mm

**Sidewalls:**  
3 Longitudinal wires at 25mm centres

**Wire Thickness:** 5mm

- 3000mm (3m) Standard Length
- Pitch 100 x 50mm and 50 x 50mm
- Standard finishes: Hex Galvanised to Standard DIN 50979
- Hold Down Saddle and Joiner Clamp Set Galvanised
  - Other finishes on request - Eg. Powder Coated or Stainless Steel



**Tee**



**Clip-On Support Channel**

Material Thickness: 1.6mm

- Horizontal or vertical installation
  - No saddles required
  - Bend over tabs to secure
  - 1200mm standard length

NOTE: Standard Accessories have a 450mm internal radius



**Hold down saddle**

Available in  
M6 & M8



**Splice Clamp, Washer,  
Cup Square Bolt & Nut**

C/W M16 x 16mm

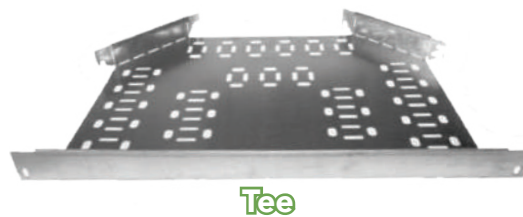
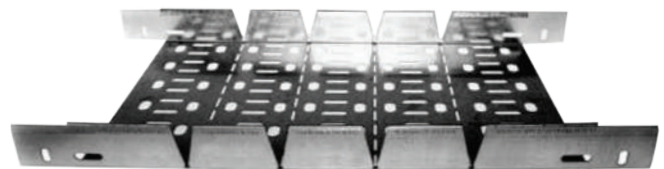
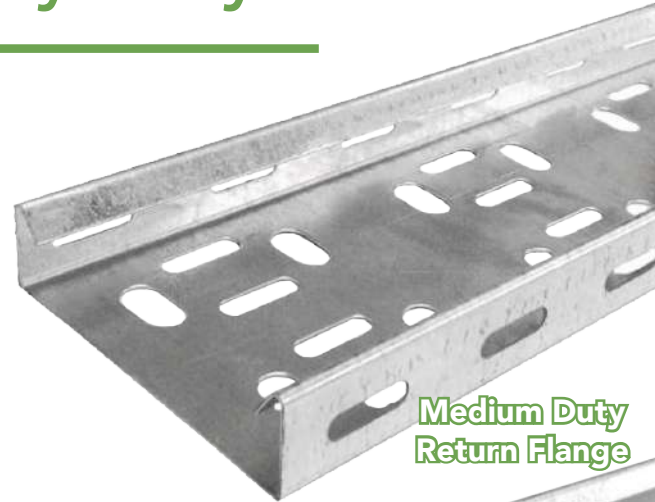
# return flange cable trays

## medium & heavy duty

Width	Straight Tray	Standard Accessories
50mm	1.0mm	1.0mm
75mm	1.0mm	1.0mm
100mm	1.0mm	1.0mm
150mm	1.0mm	1.0mm
225mm	1.0mm	1.0mm
300mm	1.2mm	1.2mm
450mm	1.5mm	1.2mm
600mm	1.5mm	1.2mm
750mm	1.5mm	1.5mm
900mm	1.5mm	1.5mm

Sides Medium Duty: 27mm

Sides Heavy Duty: 50mm



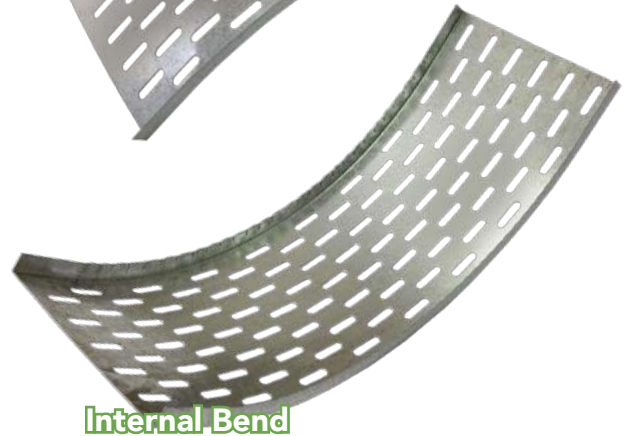
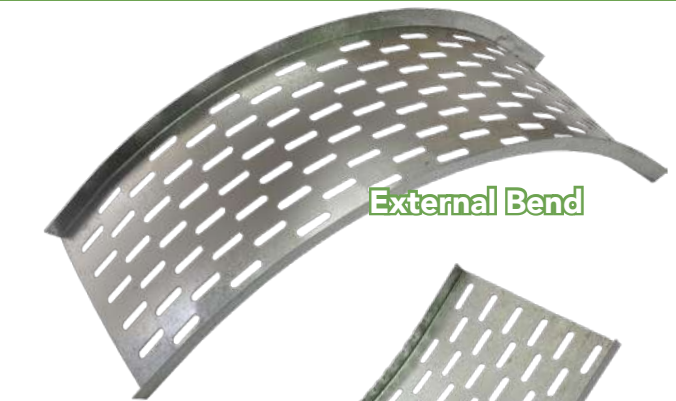
# light duty cable trays

Width	Height	Standard Length	Thickness
50mm	12mm	3m	0.8mm
76mm	12mm	3m	0.8mm
101mm	19mm	3m	1mm
152mm	19mm	3m	1mm
203mm	19mm	3m	1.2mm
228mm	19mm	3m	1.2mm
304mm	19mm	3m	1.2mm
457mm	19mm	3m	1.2mm
609mm	19mm	3m	1.2mm

Standard Length: 3m

Slot Size: 25 X 6.5mm

Finish: Pre-Galvanised



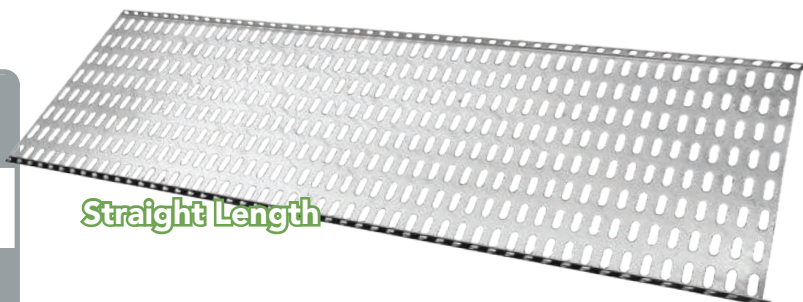
For more information on our product and technical specifications, please refer to **Product Specifications** on page 36.

# medium duty cable trays

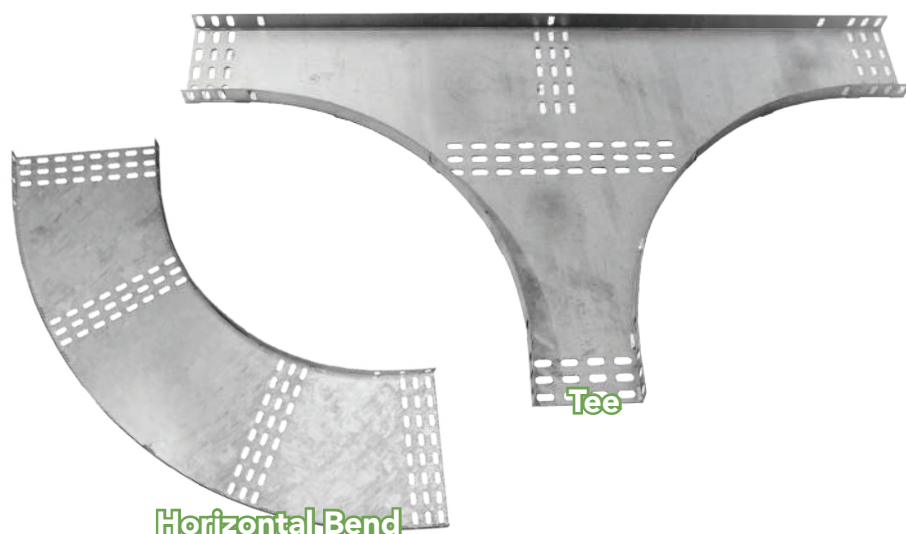
Width	Height	Thickness
76mm	38mm	1.6mm
114mm	38mm	1.6mm
152mm	38mm	1.6mm
228mm	38mm	1.6mm
304mm	38mm	1.6mm
457mm	38mm	1.6mm
609mm	38mm	1.6mm

Standard Length: 3m

Slot Size: 25 X 11mm



Straight Length



Horizontal Bend

Tee



4-Way

## splice sets

Medium and heavy duty splice sets consist of:

### Widths: 76mm to 304mm

2 x Angle Splice plates with 8 x M10 x 20mm Mushroom head screw & nut

### Widths: 457mm to 609mm

2 x Angle Splice plates with 8 x M10 x 20mm Mushroom head screw & nut  
1 x Centre splice with 4 x M10 x 20mm Mushroom head screw and nut



Medium Duty  
Angle Splice



Centre Splice -  
Medium & Heavy Duty

For more information on our product and technical specifications, please refer to **Product Specifications** on page 37.

# heavy duty cable trays

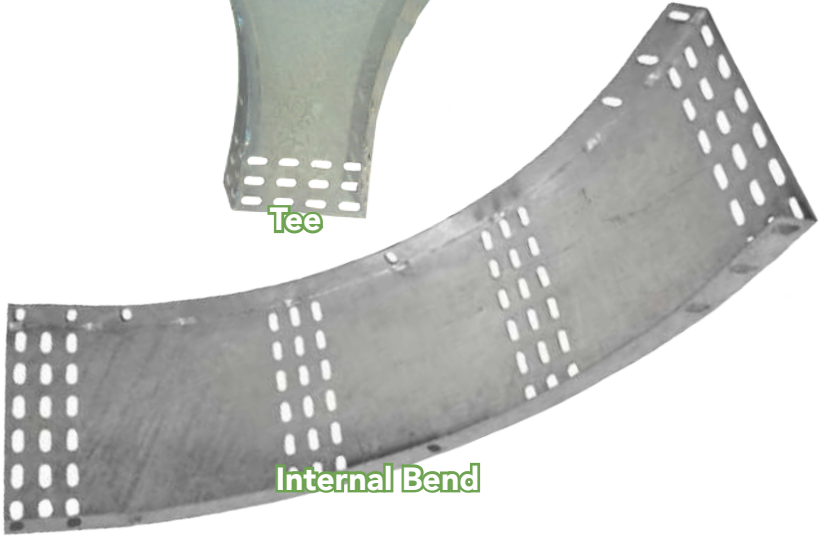
Width	Height
76mm	76mm
114mm	76mm
152mm	76mm
228mm	76mm
304mm	76mm
457mm	76mm
609mm	76mm

Standard Length: 3m

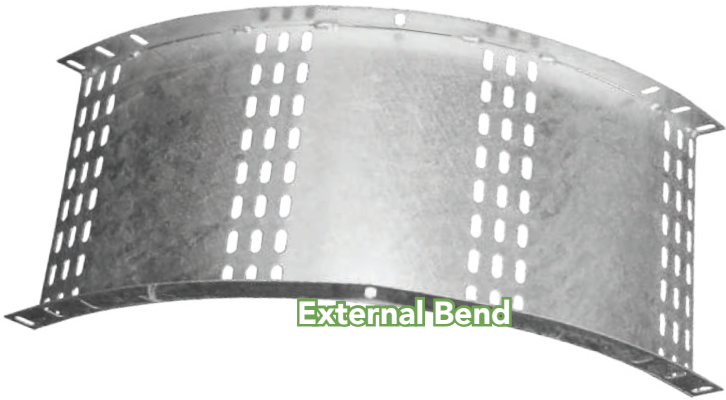
Slot Size: 25 X 6.5mm



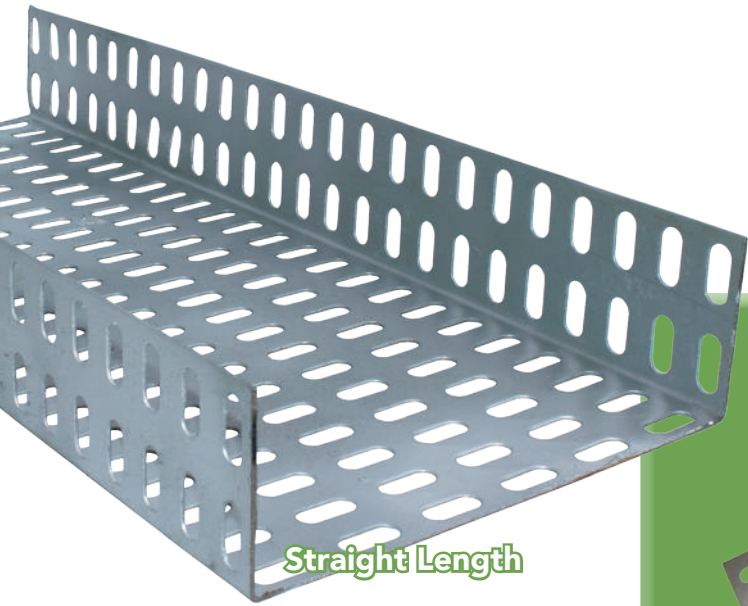
Tee



Internal Bend




External Bend




Straight Length

splice sets continued



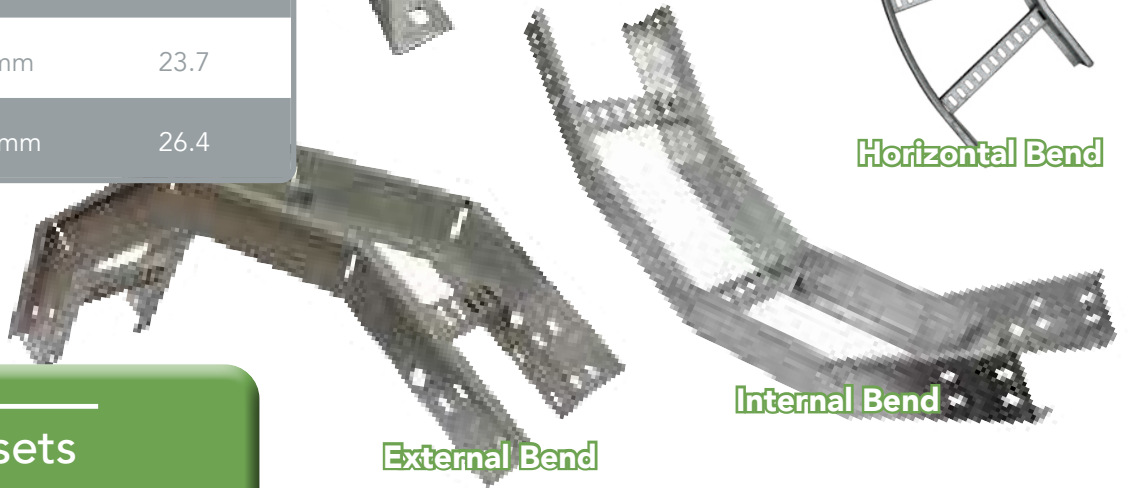
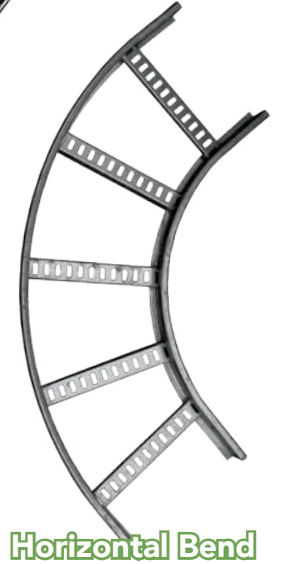
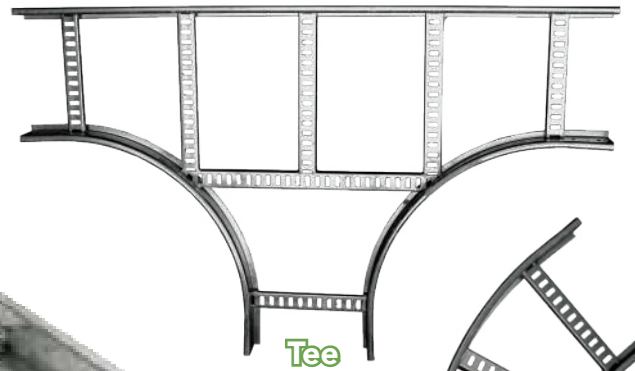
Heavy Duty  
Reduction Splice



Heavy Duty  
Angle Splice

# strong span

Product	Width	Mass Kg/3m
CSS 75	150mm	15.1
CSS 75	200mm	15.7
CSS 75	300mm	17.1
CSS 75	400mm	18.4
CSS 75	500mm	19.7
CSS 75	600mm	21.1
CSS 75	800mm	23.7
CSS 75	1000mm	26.4



**Internal Bend**

## splice sets

Splice sets consist of:

- 2 x Angle Splice Plates
- 8 x M8 x 16 Cup Square Bolt, M8 Nut and 25mm OD 2mm Thick Flat Washer



16 nuts and bolts needed (8 per side)

Rung Spacing	300mm
Standard Length	3 metres
Slot size	25 x 7mm
Cross Rung	2mm
Material	Side Rail 2mm (3mm Side Rail to order)

Also available in 100mm & 150mm side rail on request

For more information on our product and technical specifications, please refer to **Product Specifications** on page 37.



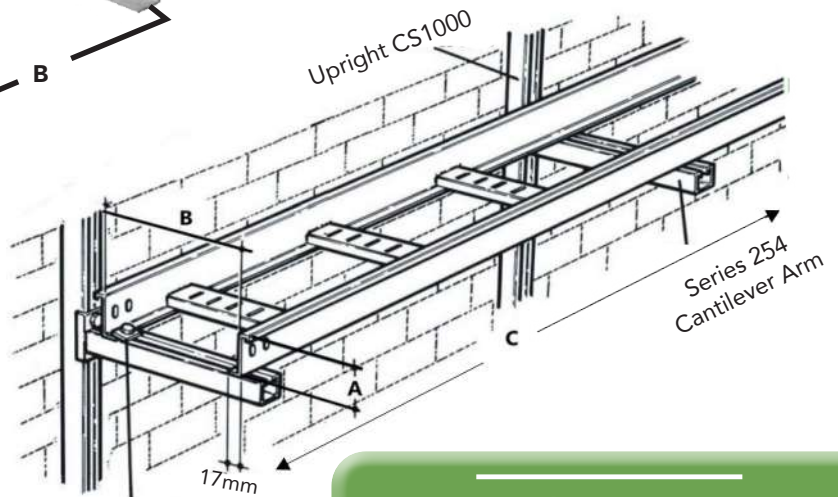
# cable ladders

## CL55 - light duty



CS 55 Light Duty  
Cable Ladder

Application of Wall Support Channel and Cantilever Arm	
A	55mm
B	100, 150, 200, 300, 400, 500mm
C	3000mm



Hold down support arm with square washers:  
CS1064, CS1063, CS1062 with  
Spring Nut & Hex Set Screw



Shows application -  
fixing cable ladder directly  
onto wall support channel

### splice sets

Splice sets consist of:

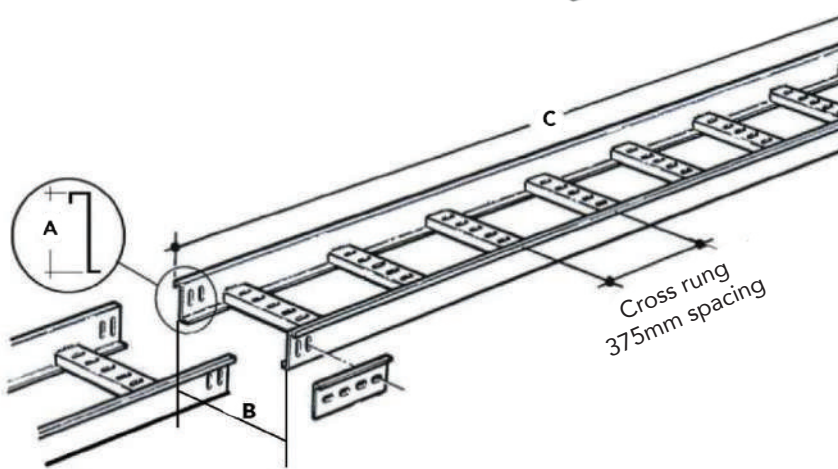
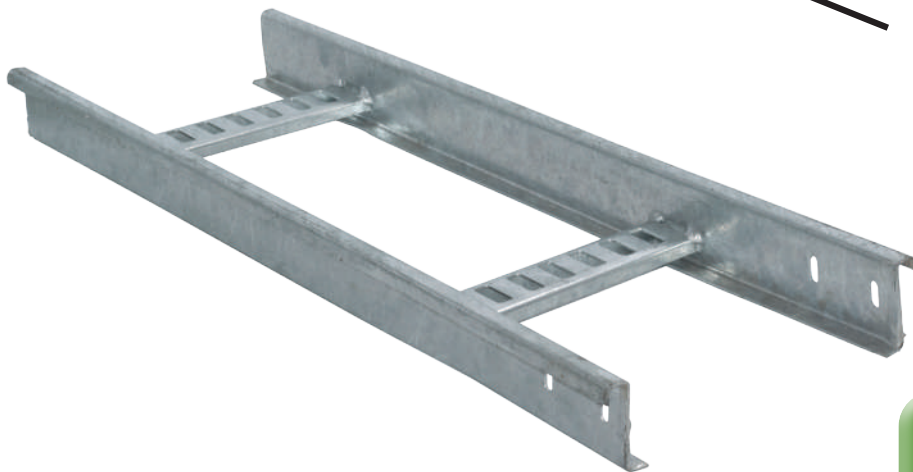
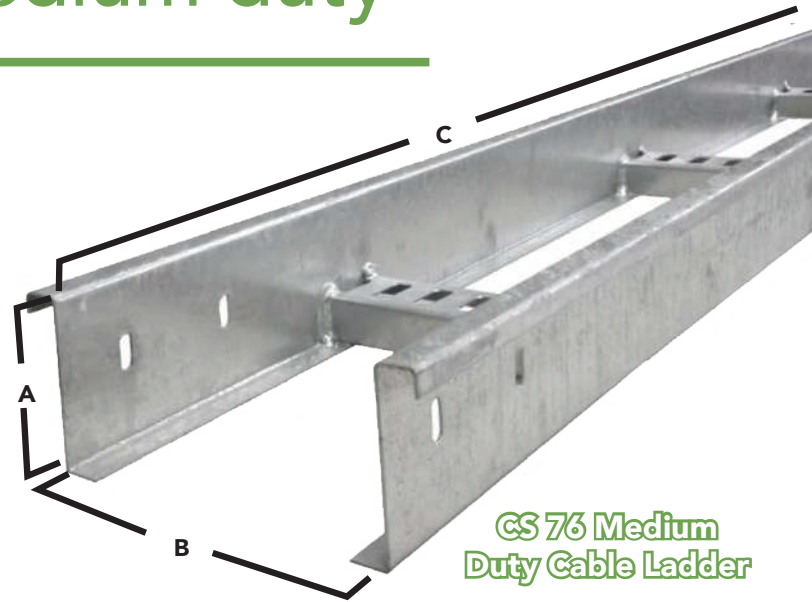
- 2 x Splice Plates
- 8 x M6 x 16 Cup Square Bolt, M8 Nut and  
M8 Flat Washer

For more information on our product and technical specifications, please refer to **Product Specifications** on page 37.

# cable ladders

## CL76 - medium duty

A	76mm
B	100, 150, 200, 300, 400, 500, 600, 800, 1000mm
C	3000mm



### splice sets

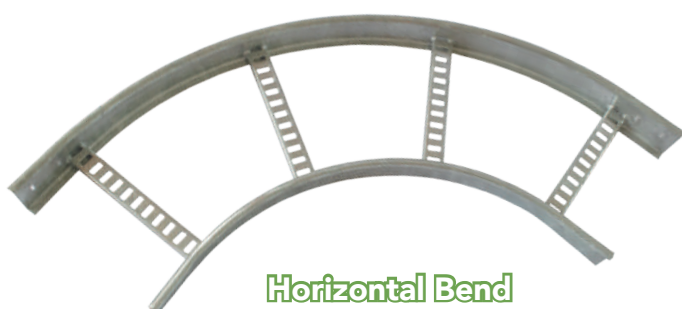
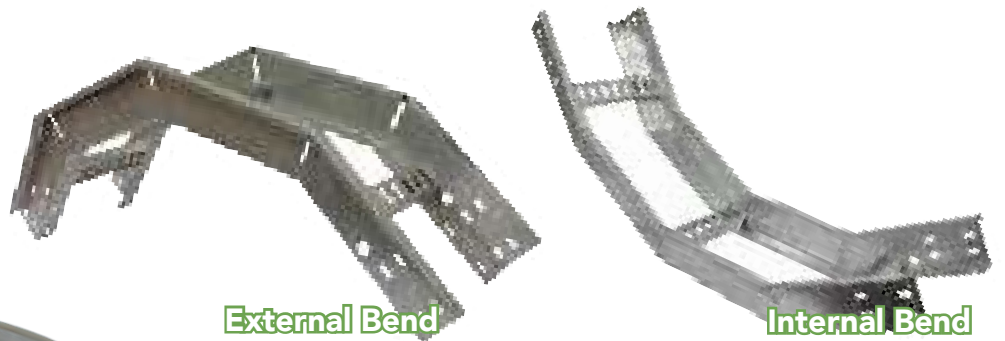
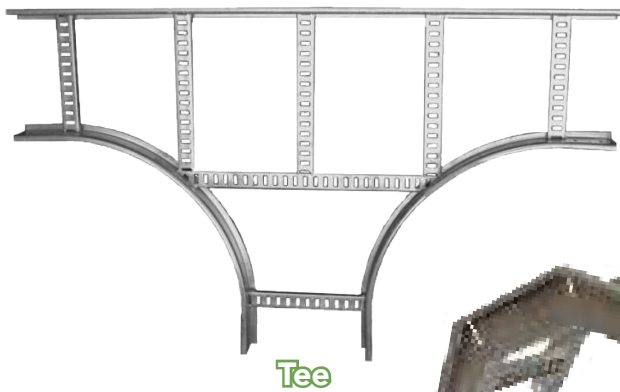
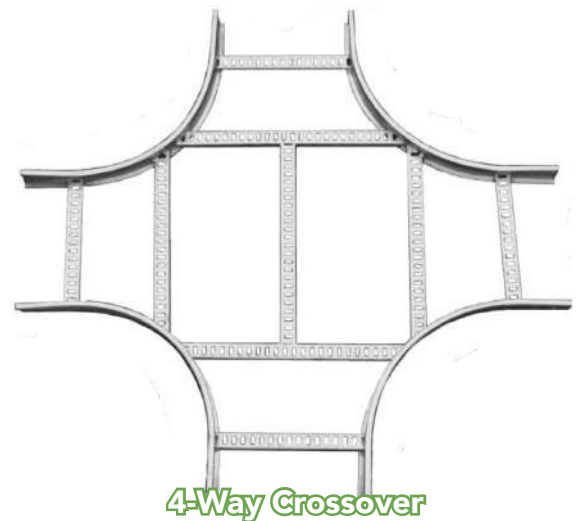
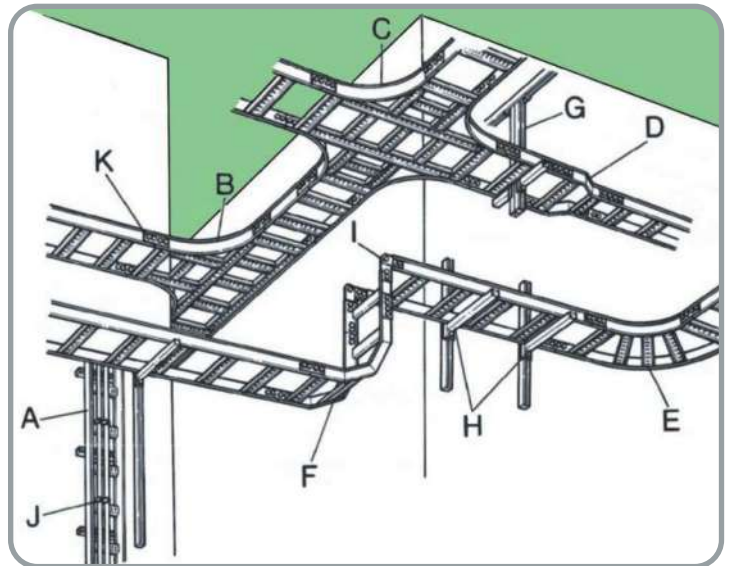
Splice sets consist of:

- 2 x Splice Plates
- 8 x M6 x 16 Cup Square Bolt, M8 Nut and M8 Flat Washer

For more information on our product and technical specifications, please refer to **Product Specifications** on page 37.

# cable ladder accessories

A	Cable Ladder
B	Tee
C	4-Way Crossover
D	Equal Reducer
E	Horizontal Elbow 90°
F	Internal Riser
G	Double Cantilever Arm
H	Single Cantilever Arm
I	Adjustable Splice
J	Clamp or Strapping
K	Splice



# nema 20b ladder



For more information on our product and technical specifications, please refer to **Product Specifications** on page 38.

# supermarket trunking



# cantilever arms

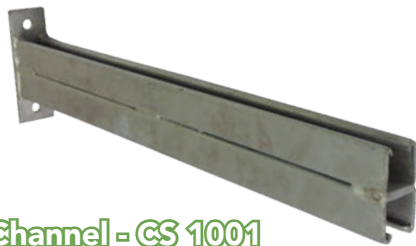
Thickness	Standard Length
2.5mm	150mm
2.5mm	200mm
2.5mm	250mm
2.5mm	350mm
2.5mm	450mm
2.5mm	550mm
2.5mm	650mm

## single arm: 254 series



## full double arms

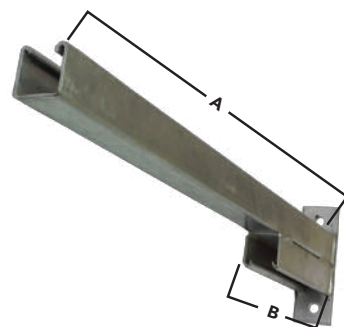
Thickness	Length
2.5mm	650mm
2.5mm	850mm
2.5mm	1050mm



Double Channel - CS 1001

Thickness	Standard Length A	Standard Length B
2.5mm	650mm	250mm
2.5mm	850mm	300mm
2.5mm	1050mm	350mm

## staggered arms



# pre-packaged aircon sets

## 450mm slotted cantilever arm aircon set includes:

2 x slotted cantilever arms (FPA type) 450mm length x 1.6mm (CS 2000 arm)

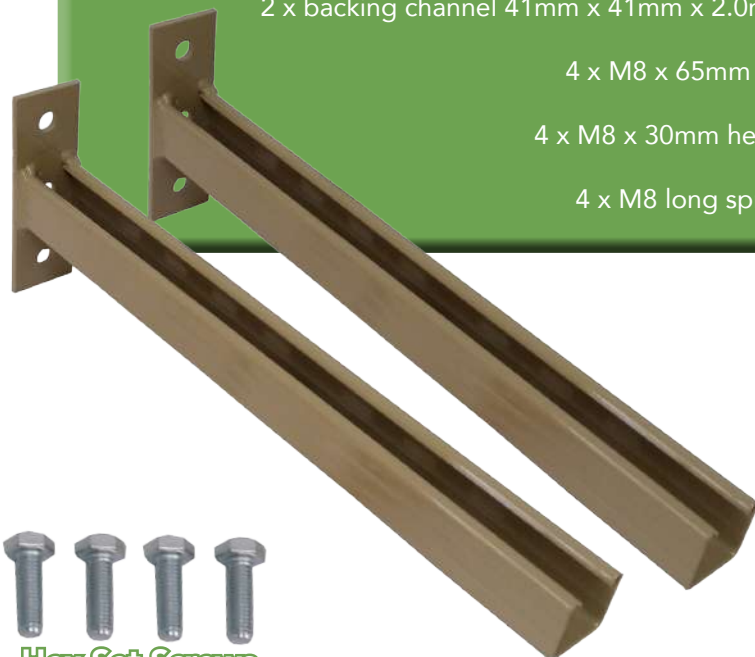
back plate - 150mm x 45mm x 6mm - EPC

2 x backing channel 41mm x 41mm x 2.0mm thick (CS 1000) x 250mm long - EPC

4 x M8 x 65mm shield anchors

4 x M8 x 30mm hex set screws - EG

4 x M8 long spring nuts - EG



Shield Anchors



Spring Nuts



Backing Channel



Hex Set Screws

Cantilever Arms

## 650mm slotted cantilever arm aircon set includes:

2 x slotted cantilever arms (FPA type) 650mm length x 2.0mm (CS 2000 arm)

back plate - 150mm x 45mm x 8mm - EPC

2 x backing channel 41mm x 41mm x 2.0mm thick (CS 1000) x 250mm long - EPC

4 x M10 x 75mm shield anchors

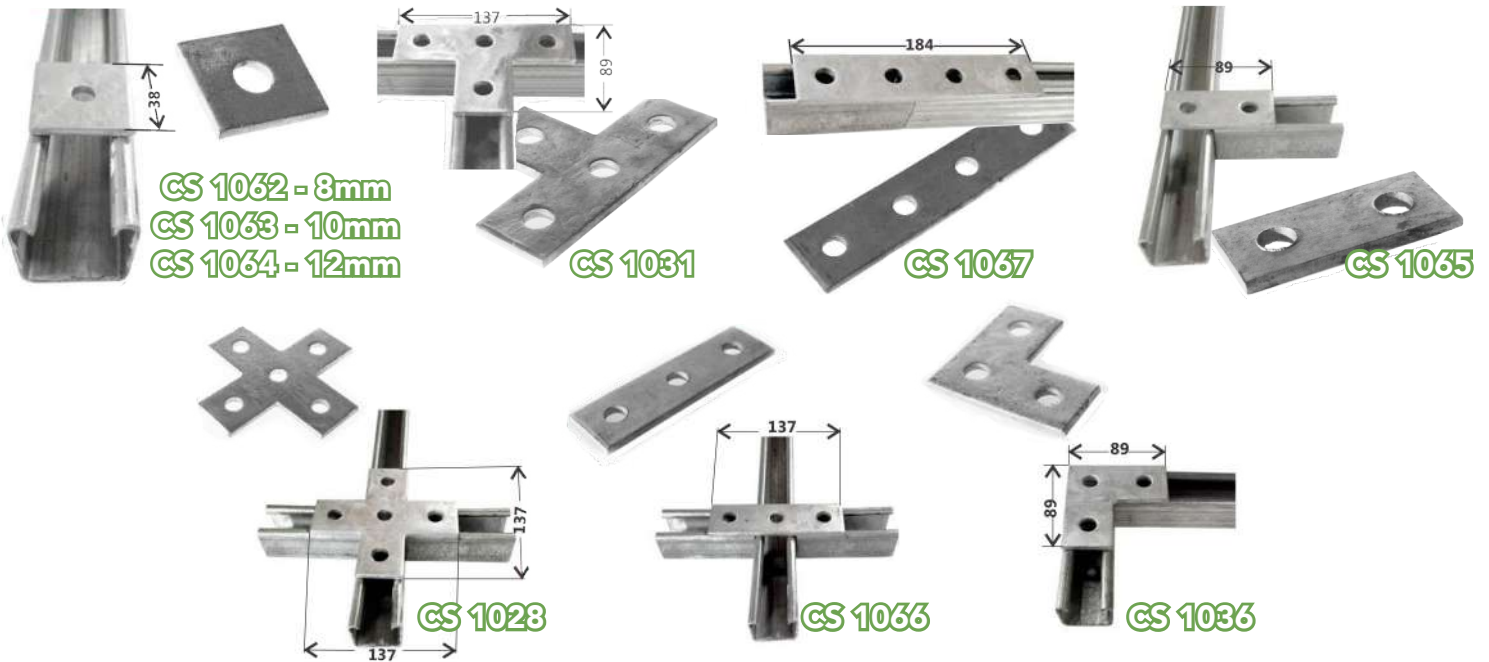
4 x M8 x 30mm hex set screws - EG

4 x M8 long spring nuts - EG

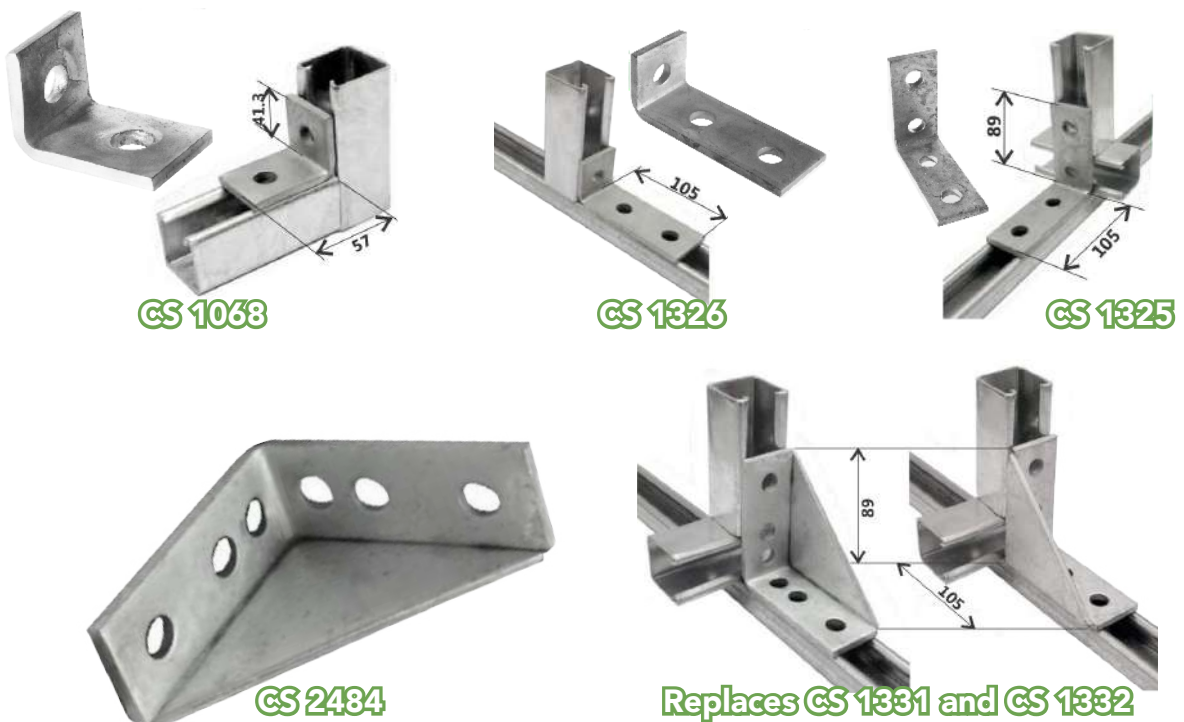
Standard colours available are Easter Oak / Motorcraft Grey  
Alternative colours are available on request  
Hot Dip Galvanised available ex stock

# fixing brackets

## flat plate brackets



## ninety-degree angle brackets



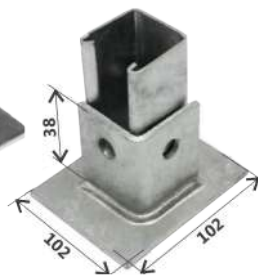
# fixing brackets

## slotted brackets



# base plates & beam clamps

## base plates



## beam clamps

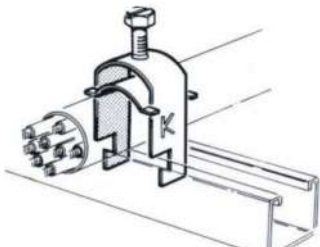




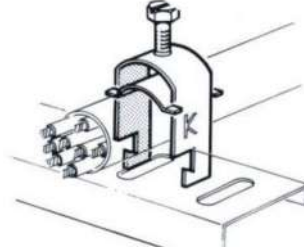
# cable & pipe clamps



Q Clamp



CS 1000 Channel



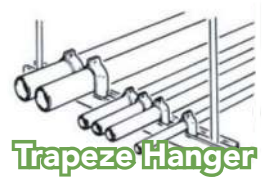
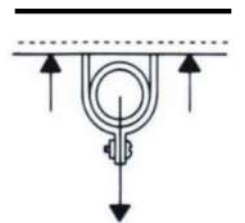
Ladderack Cross Rung

Ref No.	Diametre
Q14	14mm
Q16	16mm
Q20	20mm
Q26	26mm
Q32	32mm
Q40	40mm
Q46	46mm
Q52	52mm
Q58	58mm
Q66	66mm
Q70	70mm
Q78	78mm

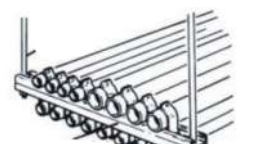
## two piece clamps



Product	Diameter	Screw Size	Thickness	Design Load
CS 2026	11.3 - 13.5mm	M6 x 20 Gutter Bolt & Nut	1.5mm	180kg
CS 2027	13 - 17mm			
CS 2028	16.5 - 19.5mm			
CS 1111	19 - 23mm			
CS 2030	21 - 30mm			
CS 1112	24 - 29mm	M6 x 25 Gutter Bolt & Nut	2.0mm	270kg
CS 1113	32 - 36mm			
CS 1114	38 - 44mm			
CS 1115	43 - 57mm	M8 x 35 HSS & Nut	2.5mm	360kg
CS 2038	47 - 57mm			
CS 1117	54 - 70mm			
CS 2043	62 - 75mm			
CS 1118	71 - 85mm			
CS 1119	87 - 95mm			
CS 1120	99 - 110mm	M10 x 50 HSS & Nut	2.9mm	450kg
CS 1121	110 - 122mm			
CS 1122	116 - 140mm			
CS 1123	135 - 145mm			
CS 1124	155 - 180mm	M10 x 60 HSS & Nut	3.3mm	450kg
CS 1125	175 - 206mm			
CS 1126	188 - 228mm			
CS 1127	235 - 270mm			
CS 1129	260 - 285mm			



Trapeze Hanger

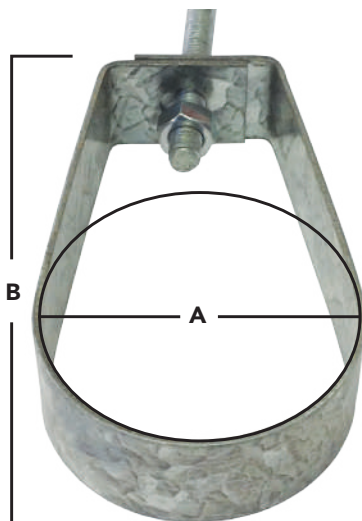


Double Trapeze Hanger

# pipe hangers

## cs 75 pipe hanger

Product	Diametre A	Length B
CS 75/15	21mm	65mm
CS 75/20	27mm	70mm
CS 75/25	34mm	75mm
CS 75/30	42mm	80mm
CS 75/40	48mm	90mm
CS 75/50	60mm	100mm
CS 75/60	76mm	120mm
CS 75/80	89mm	160mm
CS 75/100	114mm	200mm
CS 75/125	140mm	250mm
CS 75/150	166mm	300mm
CS 75/200	219mm	400mm



Suitable for hanging:  
Plumbing, Drainage, Sprinkler  
Pipes and more

# fasteners

## clamping nuts

Strength of CS 1 M12 Nuts used in CS 1000

Metric Size	AWG	Thickness	Kg/Mpcs
M6	1.4 - 20	6.1	32
M8	5.16 - 18	8.0	38
M10	3.8 - 16	9.2	45
M12	1/2 - 13	12.0	54



Spring Nut for CS 1000 -  
CS 2000 Channels



Spring Nut for CS 3300  
- CS 4000 Channels

For more information on our product and technical specifications, please refer to **Product Specifications** on page 38.

## screws, nuts & washers

Standard Stock Sizes
M6
M8
M10
M12
M16
M20



Rawl Bolt



Drop In  
Anchor



Fully  
Threaded Rod



Coupler Nut



Coin Point  
Screw



Hex Nut



HSS Screw



Flat Washer



Fender Washer



Spring Washer

# power skirting: 4, 3, 2, or single compartment



CS 802 Single Compartment

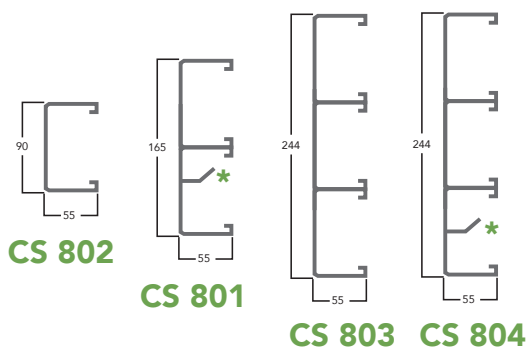


CS 801 Double Compartment



CS 803 & CS 804 Three & Four Compartment

## technical measurements



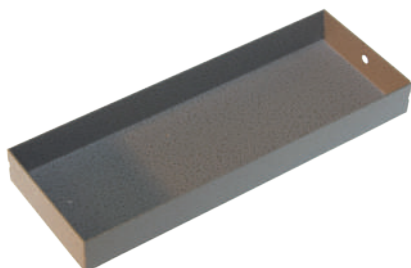
CSS 50 X 50 Cover



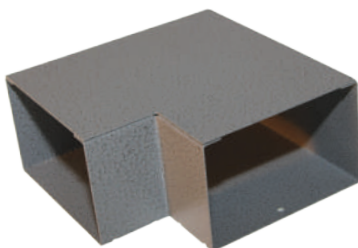
CSS 16 Amp Cover

For more information on our product and technical specifications, please refer to **Product Specifications** on page 38.

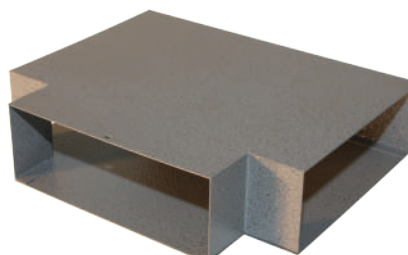
## power skirting accessories



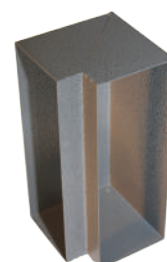
End Cap



Flat Bend



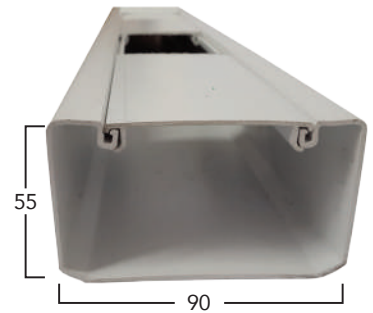
Flat Tee



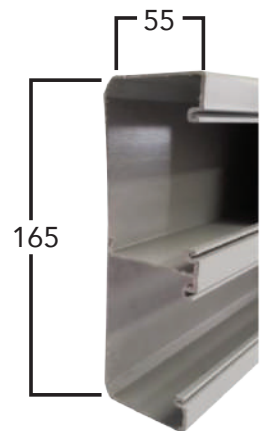
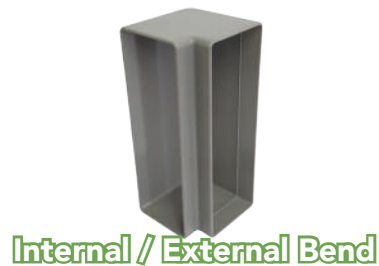
Horizontal Bend

# power skirting: eco skirt pvc

## eco/1 series with accessories



## eco/2 series with accessories



For more information on our product and technical specifications, please refer to **Product Specifications** on page 38.

# power skirting: aluminium

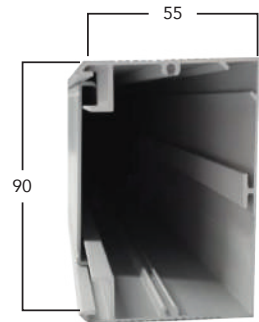
## single compartment



Single Compartment



Cover



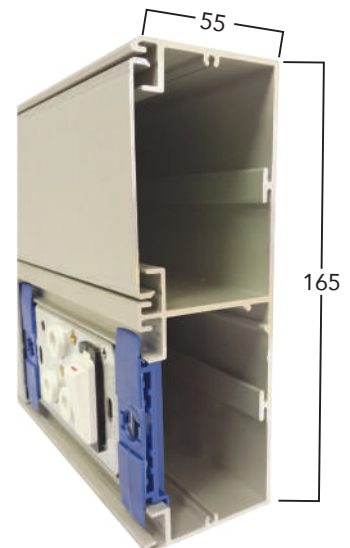
## double compartment



Double Compartment with End Cap

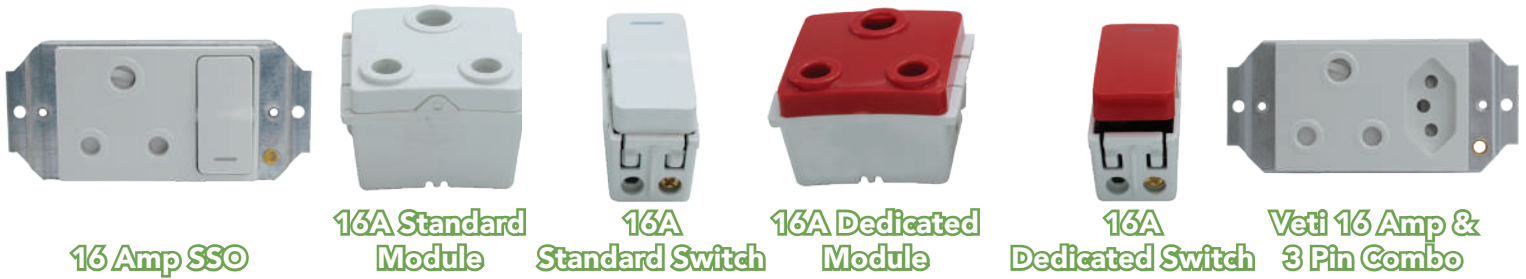


Internal Elbow



# switching accessories

## veti



## crabtree: classic



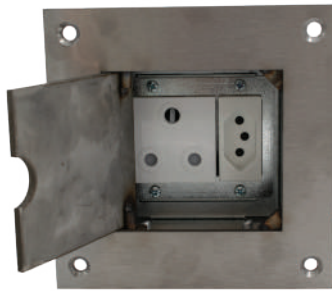
## crabtree: diamond



# under floor box

## power box

Product	Dimensions
Small	100 x 100 x 80mm
Mini	145 x 215 x 70mm
Standard	200 x 260 x 75mm



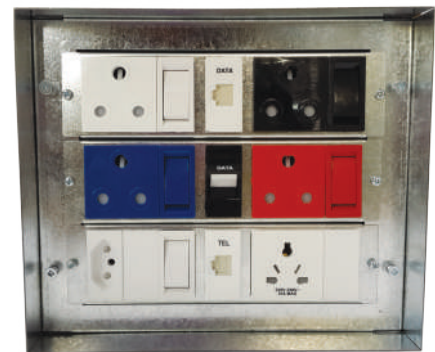
Small



Mini



Standard



## Underfloor Trunking

Dimensions
220mm x 35mm x 3m





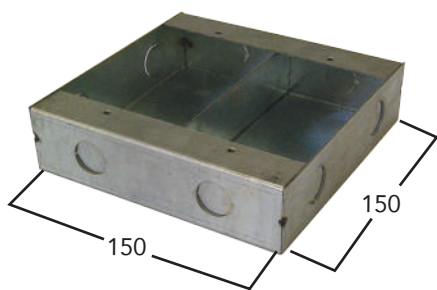
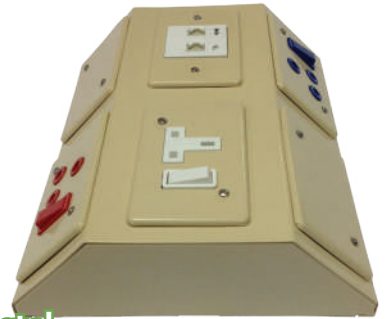
# floor pedestals



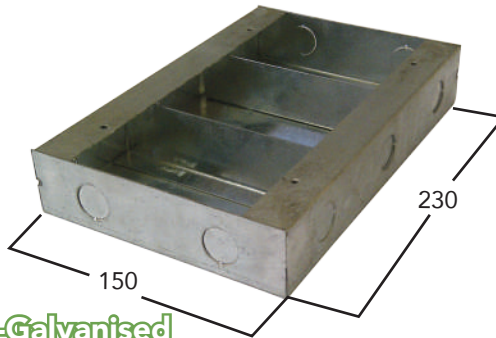
FD 6 Single &  
FD 6 Double Pedestal



FD 9 Single &  
FD 9 Double Pedestal



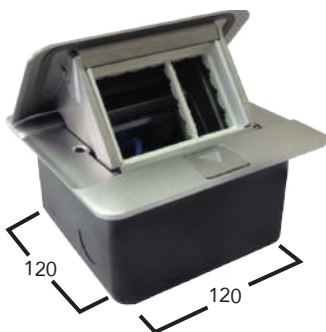
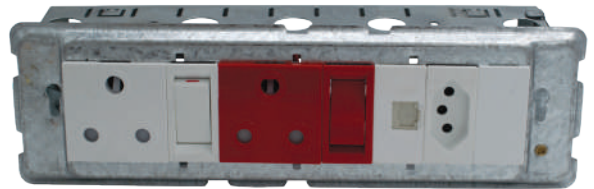
Conduit Box Pre-Galvanised



Legrand Single  
Pop-Up Back Box  
0 540 00



Legrand Double  
Pop-Up Back Box  
0 540 02



Legrand Single Pop-Up  
Pedestal Complete  
0 540 10



Legrand Double Pop-Up  
Pedestal Complete  
0 540 12

# power poles



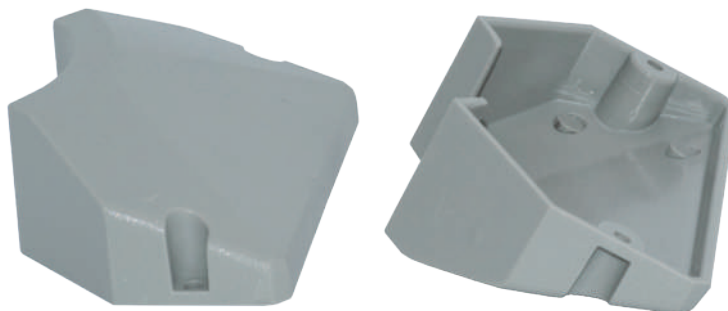
Jack Assembly



Ceiling Flange



Floor Pad



Outlet Cover Cap



**Poles are available in standard lengths of 3, 3.5, 4, and 4,5 metres.**  
The pole is supplied complete with PVC covers, floor pad, ceiling flange and jack assembly.  
Finished in a natural anodised aluminium with grey PVC covers.

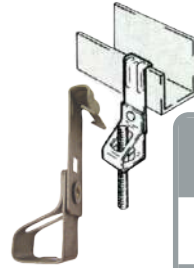
# caddy clips & clamps



Product	Length A
BC153 - RH6T	1.5 - 3mm
BC38-RH6T	3 - 8mm
BC814-RH6T	8 - 14mm
BC1420-RH6T	14 - 20mm



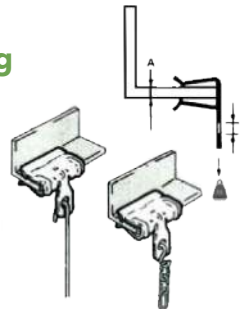
Both available for 6mm, 8mm, 10mm, and 12mm Threaded Rod



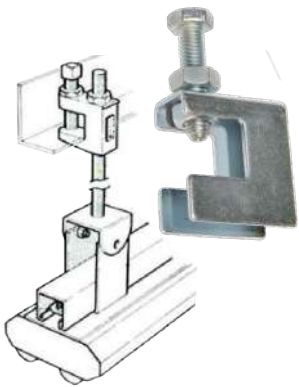
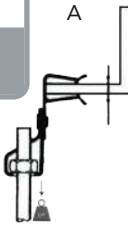
Product	Length A
VF155RH6T	1.5 - 5mm
VF57RH6T	5 - 7mm



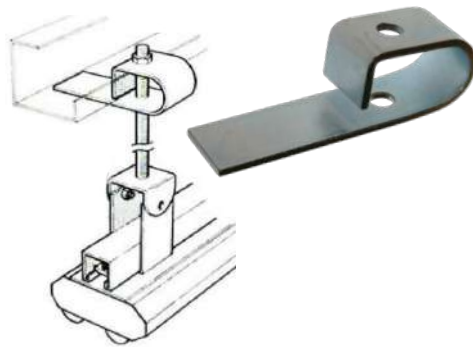
kg **68kg**



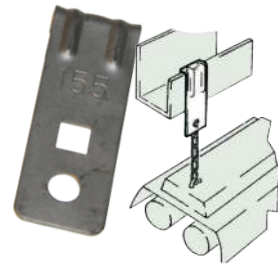
kg **68kg**



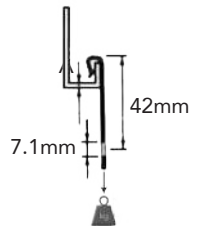
**Flange Hanger**



**Purlin Hanger**



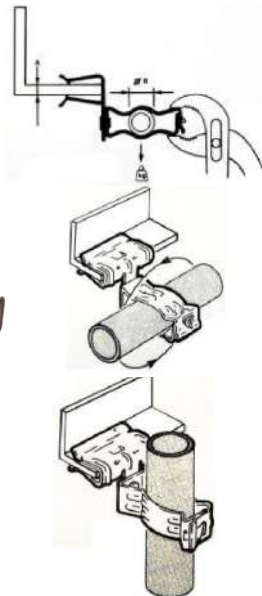
Product	Length A
VF155	1.5 - 5mm
VF57	5 - 7mm



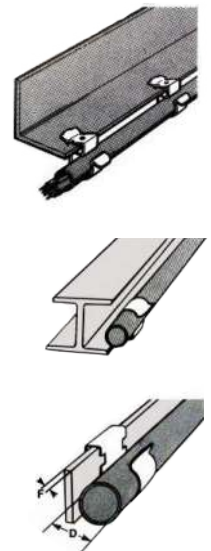
kg **70kg**  
**160lbs**  
**700N**



**Conduit Clips**



**Cable Run Clips**



# product specifications

All of our products are manufactured to allow for effective and efficient installation.

## Pre-Galvanised Products

### Wiring Channels and Accessories / Solid Trunking and Ducting Accessories

- Our Pre-Galvanised products are manufactured using continuously pre-galvanised, normally grade Z275 sheet / coil which conform to SANS 4998, SANS 3575, EN10346, ASTM 653, and related specifications.
- This zinc-coated, steel substrate allows for moderate bending and forming, severe bending, moderate drawing and load-bearing applications.
- The Data Sheet, C1.1-availability, properties and tolerances of galvanised material are available on request.
- These solid accessories are 0.8mm thick.
- 3.2mm pop rivets are used to join accessories.

## Unplasticised PVC Products

### PVC Covers

- Our Unplasticised PVC Products are manufactured from a high-impact, heavy-metal-free, unplasticised PVC compound for extrusion, classified as Rigid-Extrusion Grade RX311-Organic.
- They are available in both grey and white.
- The material is self-extinguishing.
- Further technical data are available on request.

## Sci Eplast Products

### Compact Miniature Trunking / PVC Trunking / Half Moon & Corner Trunking / Industrial Cable Trunking

- Our SCI EPLAST products are extruded from PVC material, a tough and rigid PVC material with excellent resistance to chemicals and aging. Both lead and cadmium free, these products conform to the EU REACH Directive (ie. they are Heavy Metal Free).
- Formulation for Corner and Half Moon Trunking is CON Grey PVC and IS4 White PVC.
- Complies with SABS IEC: 61094:1919 requirements. Manufactured in an ISO 9001 accredited facility.
- Due to their chemical structure, these products have excellent aging resistance, according to the Wool Scale Light Fastness Test. However, this material is not suitable for outdoor or high UV applications.
- The combustability is defined as difficult to ignite, and is self-extinguishing.
- Further technical specifications are available on request.

## Wire Mesh Products

### Medium Duty

- Our wire products are manufactured at Tens Strength 670 MPA.
- The wires are manually fed into a welding frame, then spot welded using a multi-head system to weld the wire together.
- The sides are then bent up into the "U" profile.
- All the wire accessories have a standard radius of 450mm.
- They can be used in vertically and horizontally mounted applications.
- Use Hold-Down saddles with Spring Nuts and Hex Set Screws to clamp the wire down onto trunking. Support is required every 1.5 metres.
- These products are tested horizontally to the NEMA VE 1(2017) standard by and Independent P.R. Engineer, and the load capacity was divided by 1.5 for a safe working load. Test certificates are available on request
- NEMA VE 2-Installations guide is available on [www.nema.org](http://www.nema.org).

## Cable Tray Products

### Light Duty

- LDCT Cable Trays are manufactured from pre-galvanised Z275 flat sheeting that conforms to SANS 4998, SANS 3575, EN10346, ASTM 653 specifications.
- The sheets are punched out into 25 x 6.5mm slots.
- The top of the side rails, or lip, are bent upwards.
- LDCT normally get used for horizontally and vertically mounted applications, and should be supported every 1.5 metres.
- Trays and accessories have an overlap with can be bolted together with M6 x 12mm Gutter Bolts and Nuts. No splice sets required.
- These products are tested horizontally to the NEMA VE 1(2017) standard by and Independent P.R. Engineer, and the load capacity was divided by 1.5 for a safe working load. Test certificates are available on request.
- NEMA VE 2-Installations guide is available on [www.nema.org](http://www.nema.org).

# product specifications

All of our products are manufactured to allow for effective and efficient installation.

## Perforated Cable Tray Products

### Medium Duty / Heavy Duty

- Perforated Cable Trays are created from flat sheet metal, cut to size.
- Slots are punched into the metal, creating ventilated perforations.
- Sides are bent up with a press brake.
- For use with light to medium cables, in horizontal and vertical mounted installations.
- All related accessories have a standard radius of 450mm.
- MT38 and HT76 Cable Trays available in the following finishes: Hot Dip Galvanised to SANS 121:2011 ISO 1461:2009, mild steel, or powder coated.
- These products are tested horizontally to Nema VE 1(2017) standards, by an independent P.R. Engineer. The load capacity was divided by 1.5 for a safe working load. Test certificates are available on request.
- NEMA VE 2-Installation guides are available on [www.nema.org](http://www.nema.org).

## Cable Ladder Products

### Strong Span

- CSP75 Cable Ladder can be used in vertical/edge mounted installations.
- Manufactured with 2mm Mild Steel (Hot Rolled Commercial Quality) (Hot Strip Mill Coil) to EN 10111.
- Material inspection certificates are issued as per EN10204:2004 Type 3.1 and SANAS, accredited for hardness, impact and tensile testing.
- The ladder consists of two 75mm high "Z" profiles, and punched "U" type crossrungs spaced 300mm apart for easy clamping of k/u and trefoil clamps.
- All accessories have a standard radius of 450mm. 650mm and 1,000mm radius bends are available on request.
- Standard finish is SANS 121:2011 ISO1461:2009 Hot Dip Galvanised.
- SS304, SS316 and Duplex Coating are available on request.
- Central Support Systems has our own in-house testing facility. These Edge Mount Ladders were tested and verified by an Independent P.R. Engineer. The rated load capacity includes a 1.5 safety factor for allowable working loads.
- Test certificates, as well as installation recommendations, available on request.

### CL55 and CL76

- CS55 and CS76 Cable Ladder can be used in horizontally mounted installations.
- Manufactured with 1.5mm Mild Steel (Hot Rolled Commercial Quality) (Hot Strip Mill Coil) to EN 10111.
- Material inspection certificates are issued as per EN10204:2004 Type 3.1 and SANAS, accredited for hardness, impact and tensile testing.
- The ladder consists of two "Z" profiles, 55mm and 76mm high and punched "J" type crossrungs for easy clamping of k/u and trefoil clamps.
- Crossrungs have 25 x 7mm slots, spaced 375mm apart.
- All accessories have a standard radius of 450mm.
- Standard finish to SANS 121:2011 ISO1461:2009 Hot Dip Galvanised.
- SS304, SS316 and Duplex Coating are available on request.
- Central Support Systems has our own in-house testing facility. These Edge Mount Ladders are tested and verified by an Independent P.R. Engineer. The rated load capacity includes a 1.5 safety factor for allowable working loads.
- The CS76 cable ladder are tested to NEMA VE1 (2017) specifications.
- Test certificates, as well as installation recommendations, available on request.

## Spring Nuts

- Manufactured with Q235 Steel
- Standard: Din 4.8 Class
- Resistance to slip: 360kg per bolt
- Safety factor of 2
- Finish Options: Electro-galvanised or Hot Dip Galvanised.
- Thread Rod Type: 4.8 class tread rod
- Pull-ot strength: 720kg, safe tension load per bolt
- Options available are: Strut Nut with no Spring, Short Spring, Long Spring, & Disc Spring.
- Used to affix fittings to channel steel quickly and effectively.
- Suitable for all kinds of channel steel.
- The postions of these nuts can be adjusted arbitrarily on channel steel, and keep the horizontal position, the improved channel steel lock has the function of anti-slip, safe and reliable.

# product specifications

All of our products are manufactured to allow for effective and efficient installation.

## Power Skirting

### Medium Duty

- Mild Steel Power Skirting are manufactured in 2.45m lengths.
- Cleaned with a 7-stage Zinc Phosphate Pre-Treatment System.
- Powder-coated on both the inside and outside.
- The following quality tests are performed on these products: Indentation test, Cross Hatch test, Adhesion test, Film Thickness, Visual Inspection.
- Film Thickness:
  - Minimum 80 Microns for Structure Powder
  - Minimum 60 Microns for Ferrograin Powder
  - Minimum 50 Microns on Visible Smooth Powder
- All available colours are lead-free.
- Available colours are:
  - Carrier Beige - GI6002
  - Easter Oak - VEP6072
  - Hammertone Grey - VEP7306
  - Hospital Grey - VEP7010
  - Motorcraft Grey - VEP 7023
  - Textured White - CEP4012

### Eco/1 & Eco/2 Series

- Our Eco-PVC Skirting is made from RX311-Organic, which is a high-impact heavy-metal-free unplasticised PVC compound, suitable for extrusion.
- Density - 1.38g.cm<sup>3</sup>
- Shore D - 80
- Tensile Strength - 50Mpa
- Elongation - 17%
- Impact Strength - 350KJ/m<sup>2</sup>
- Softening Point - 82°C
- Flammability - Self-extinguishing
- Barrel - °C150/160/170
- Head °C - 180/185

### Nema 20B

- CS130 Cable Ladders can be used in horizontally mounted applications for the industrial, mining, and mechanical sectors to accommodate heavier cables and pipes.
- The ladder consists of two "Z" profiles facing inwards, and punched "U"-Type cross rungs for easy clamping K/U clamps, trefoil clamps or pipes clamps in order to safely hold down the required cables or pipes.
- All accessories have a standard radius of 650mm. Accessories of 1,000mm radius are available on request.
- The ladder can be manufactured in the following finishes: Hot Dip Galvanised and SS316.
- Installation recommendations: At bottom rails mount a square washer or Z-fitting 1045 bracket, along with a Spring Nut and a Hex Set Screw mounted onto CS1000 Channel.
- Tested Horizontally to NEMA VE 1 (2017) standard by an independent P.R. Engineer.
- Classified as NEMA VE 1 Class 20B (112kg/m)
- Test 2021-001 and Test 2021-003. Test certificate available on request.
- NEMA VE-2 Installation guide available on [www.nema.org](http://www.nema.org).

# structural design data

## Beamloads:

Allowable uniformly distributed loads are listed for various simple spans. That is, beam on two supports. If load is concentrated at centre of span, multiply load from table by 0.5 and corresponding deflection by 0.8.

## Working Stress: 135 N/mm:

Recommended for use where deflection is not a factor on long spans.

## Deflection:

This is the vertical displacement of a product under load, measured on the flanges at mid-span. Deflection under load is not directly related to the strength of the product but visually it is of obvious aesthetic importance and for this reason may well be a principal design criterion. Deflection is directly

proportional to the applied load, thus doubling the load, will double the consequent deflection. Any load will, if applied at one cause approximately twice the product deflection that it would if the load were uniformly distributed along a complete span.

Span/200 - Recommended for use when deflection is a factor

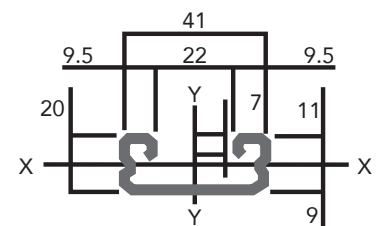
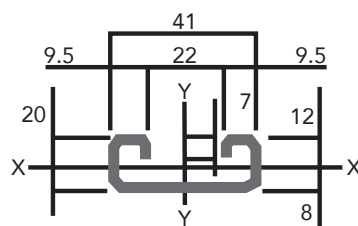
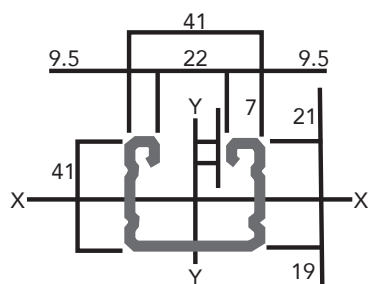
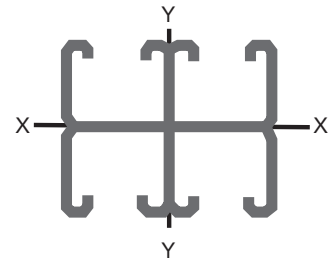
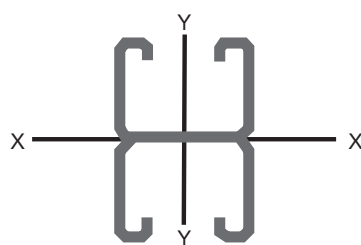
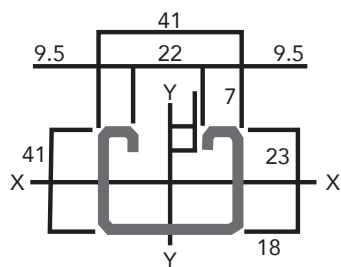
## Column Load:

Column loadings are for allowable axial loads for the unsupported heights listed. If loads are eccentric, loads should be reduced according to Standard Practice  
Strength of M12 Spring Nuts used in CS 1000  
Resistance to slip - 360kg per bolt  
Pull Out Strength - 720kg per bolt  
Minimum Safety Factor -2

Beam Span or Column Unsupported Height (mm)	Product	UDL (kg) at Working Stress 125n/mm <sup>2</sup>	Deflection at Working Stress (mm)	UDL (kg) when Deflection equals Span 1/200	UDL (kg) when Deflection equals Span 1/360	Maximum Loading of Column (kg) S.F. 1,6	Column Load at Slot Face S.F. 1,6
250	P 1000	1264	0,17	-	-	4 268	1 216
	P 2000	899	0,2	-	-	2 714	844
	P 3300	395	0,33	-	-	2 857	745
	P 400	305	0,33	-	-	1 872	559
500	P 1000	632	0,83	-	-	4 105	1 202
	P 2000	446	0,7	-	-	2 622	835
	P 3300	197	1,3	-	-	2 523	720
	P 4000	152	1,3	-	-	1 686	542
750	P 1000	421	1,54	-	-	3 755	1 170
	P 2000	297	1,6	-	-	2 410	812
	P 3300	131	3,0	-	-	1 894	657
	P 4000	101	3,0	-	94	1 336	499
1 000	P 1000	316	2,1	-	71	3 131	1 102
	P 2000	224	2,8	-	-	1 976	756
	P 3300	98	5,2	95	222	1 258	559
	P 4000	76	5,3	70	55	924	428
1 250	P 1000	252	4,3	-	40	2 467	1 006
	P 2000	178	4,3	-	142	1 480	670
	P 3300	79	8,1	61	33	856	463
	P 4000	61	8,2	46	25	637	354
1500	P 1000	210	6,2	-	142	1 970	912
	P 2000	148	6,3	-	98	1 121	585
	P 3300	65	11,7	42	23	-	-
	P 4000	50	12,0	32	17	-	-

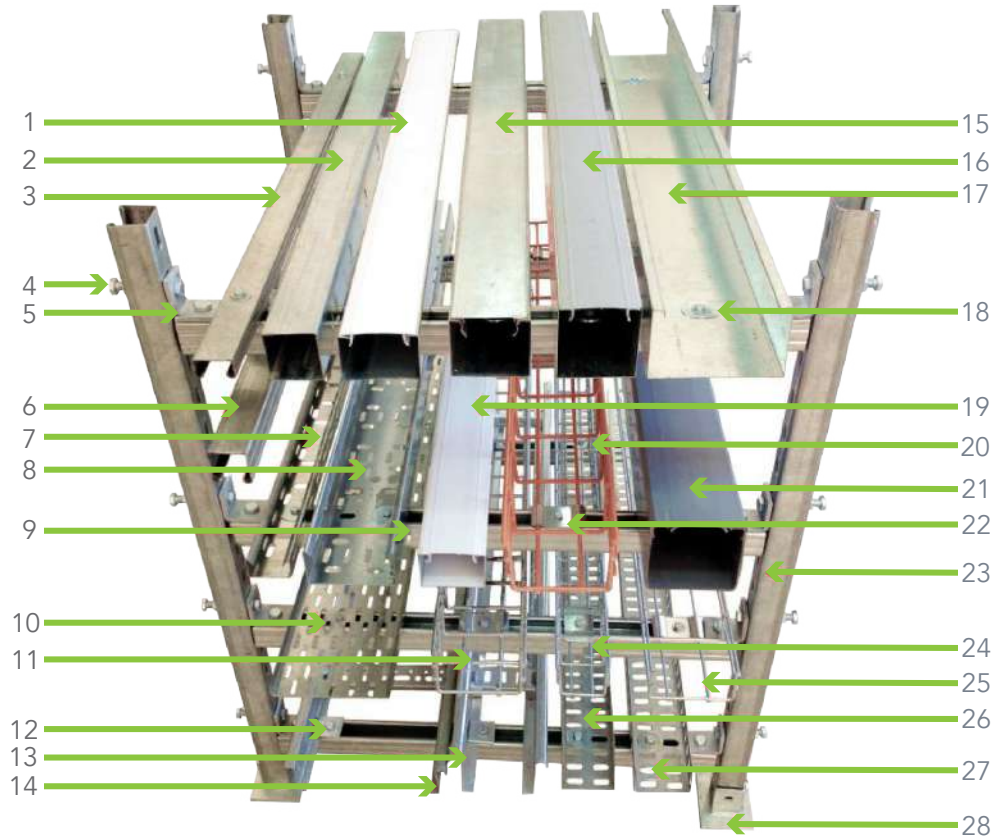
# structural design data

Beam Span or Column Unsupported Height (mm)	Product	UDL (kg) at Working Stress 125n/mm <sup>2</sup>	Deflection at Working Stress (mm)	UDL (kg) when Deflection equals Span 1/200	UDL (kg) when Deflection equals Span 1/360	Maximum Loading of Column (kg) S.F. 1,6	Column Load at Slot Face S.F. 1,6
1 750	P 1000	180	8,4	-	104	1 620	829
	P 2000	127	8,6	-	72	880	512
	P 3300	56	15,9	31	17	-	-
	P 400	43	16,2	23	13	-	-
2 000	P 1000	158	11,0	144	80	1 365	757
	P 2000	111	11,2	100	55	716	452
	P 3300	49	20,8	20	14	-	-
	P 4000	38	21,2	18	10	-	-
2 250	P 1000	140	13,8	114	63	1 172	694
	P 2000	99	14,2	79	44	599	402
	P 3300	44	26,2	18	10	-	-
	P 4000	33	26,7	-	-	-	-
2 500	P 1000	126	17,1	92	37	1 021	638
	P 2000	89	17,5	64	35	512	361
	P 3300	39	32,3	15	8	-	-
	P 4000	30	33,0	-	-	-	-
2 750	P 1000	114	20,7	76	42	-	-
	P 2000	81	21,1	52	29	-	-
	P 3300	35	39,0	12	7	-	-
	P 4000	27	40,0	-	-	-	-
3 000	P 1000	105	34,6	64	35	-	-
	P 2000	74	25,2	44	24	-	-
	P 3300	32	46,5	10	5	-	-
	P 4000	25	47,0	-	-	-	-





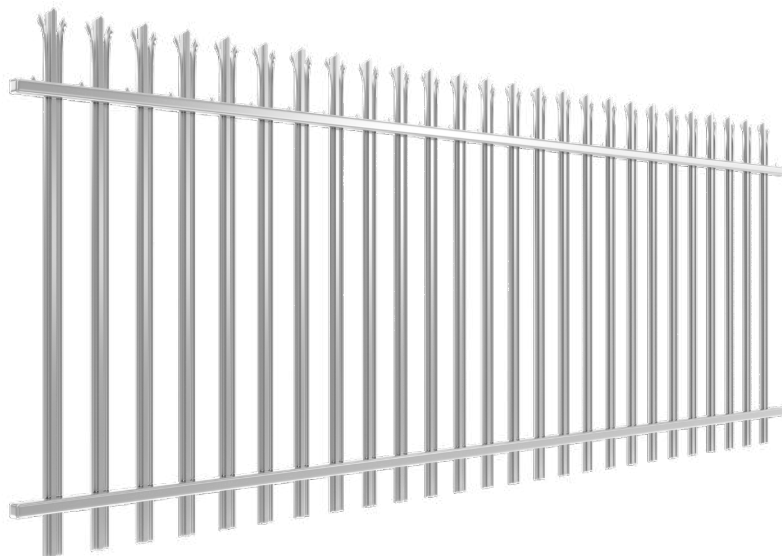
# product layout



1	CS 8200 Channel C/W White PVC Cover	15	CS 8300 Channel C/W PG Cover
2	CS 2200 Channel C/W PG Cover	16	CS 8000 Channel C/W Grey PVC Cover
3	CS 4000 Channel	17	CS 9000 Channel
4	M10 x 35mm Hex Set Screw	18	8mm Fender Washer
5	1068 Angle Bracket	19	CS 8200 Channel White C/W White PVC Cover
6	CS 2000 1mm Support Channel	20	CS 75 100mm Heavy Duty Wire Mesh E/ Orange 100/50 Aperture
7	R/Flange Medium Duty 50mm Tray	21	CLT 3 PVC Industrial Trunking Grey
8	R/Flange Heavy Duty 100mm Tray	22	Wire Mesh Hold Down Saddle
9	CS 2000 1.6mm Support Channel	23	CS 1000 Slotted Channel
10	Light Duty Cable Tray 152mm	24	GS 50 50mm Wire Mesh 50/50 Aperture
11	GS 50 100mm Wire Mesh 50/50 Aperture	25	GS 50 100mm Wire Mesh 100/50 Aperture
12	1062 Square Washer	26	Heavy Duty Cable Tray 76mm
13	CL 76 100mm Cable Ladder	27	Medium Duty Cable Tray 76mm
14	CL 55 200mm Cable Ladder	28	2072/S1 Base Plate

# additional products

- epoxy coated products
- stainless steel products
- floor trunking
- power mast
- supermarket trunking
- 4 x 4 steel & pvc plates  
(Blank or with 50 x 50 punch outs)
- special manufacture of items  
(to customer specifications and requirements)
- palisade fencing at factory pricing





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