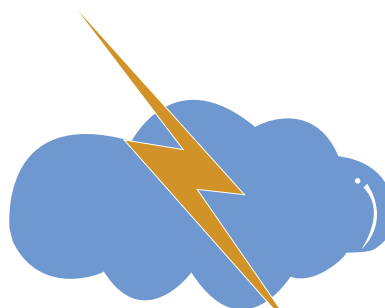
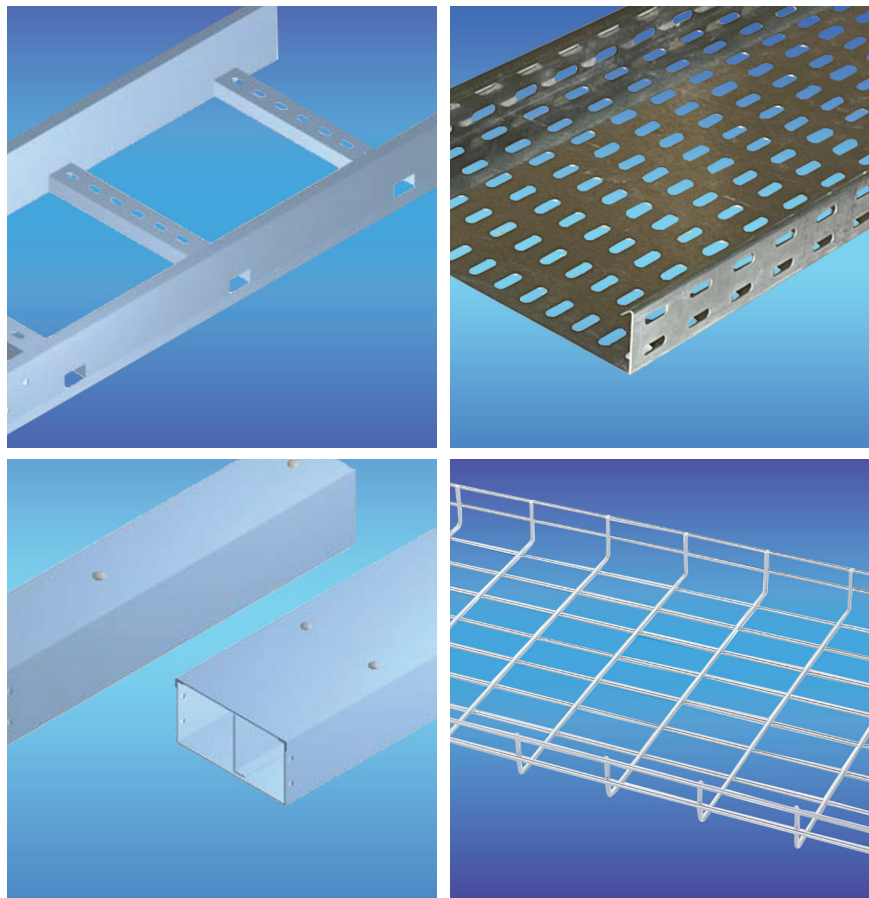


Stanchion® Cable Trays, Trunkings, Ladders & Supports



CUPRA

Customercentric®



Cupra

The name is thought to come from the Sabine word *cuprum*, which is usually glossed as “good”. This word is likely derived from *cup*, “desire” (related to the Latin root of the name *Cupid*), making Her “good” in the sense that She is “the Sought After”, or “the Desired One”, implying One who fulfills wishes and answers prayers, or who is sought out because of being benevolent and powerful.

The Brand is derived from *Cuaaat* means ‘of Copper’. As our products are electrically orientated, it made sense to aptly call our brand Cupra.

At Cupra, the customer is at the heart of all that we do. We believe in our philosophy of providing the best products and services to our customers. By selectively picking our distributors, we ensure that our partners are best equipped to provide an exceptional level of service to our customers.

The Core of Cupra

We believe in the fact that we are accountable to our stakeholders. Quality products and services are the expectations from Cupra. All personnel at Cupra are experienced and experts at their respective jobs. Cupra employees are individually qualified and, as a team, we produce the world’s most respected and preferred products. We take responsibility for our decisions at the individual and company levels.

The core values:-

Caring, Health and Safety

The industry that Cupra is in involves interaction with electrical systems. The end customer is subject to shock, and other risks, if the products are not of a good quality. At Cupra, we care for our customers. The products are manufactured in an environment where Health and Safety norms are stressed. This ensures that products conform to the highest standards of HS&E.

Continuous Improvement, continued successes

We believe that we will get better by the day. This will apply to products, services, processes, teamwork and every aspect that we deal with at work. Continuous improvement is applicable in every thing that we do, which will ensure world leadership position to Cupra and its products.



“ In Roman/Greek Mythology, Cupra is considered to be a form of the Great Goddess of the Etruscans. She was considered one of the Nine Great Gods who had the ability to throw thunderbolts (called by the Romans *Novensiles*), and was part of a triad with *Tinia* (Jupiter) and *Menrfa* (Minerva), who were said to have temples in every Etruscan city. Her origins are said to be Sabine, and She was worshipped among the Etruscans, Piceni, and the Umbrians (all located in modern central Italy). ”





Global Footprints & Team Work

With a presence in virtually every continent across the globe, Cupra products are serviced by a superior supply chain. This has been made possible by exceptional team work and a determination to achieve a market leadership position.

An Eye For Detail

Trained, carefully chosen, right people are the key to the success of an organization. Correct and continuous training ensures an eye for detail that ultimately translates into effectiveness and efficiency. The customer is therefore assured of the right products and services, at the best price levels.

The Cupra Vision

We will work towards building a safer tomorrow for our future generations. We will encourage the use of non-polluting, bio-degradable or recyclable materials to produce our products thereby ensuring that the environment is safe for future generations.

It is our vision to ensure that we build long term partnerships with our stakeholders that are mutually fulfilling and profitable. By imbuing our core values in everything that we do, we will ensure that we remain customercentric.

It is our endeavour to expand the product range from Cupra to encompass the entire gamut of products within the electrical industry.

Cupra Today

The Cupra range has grown to include various metal components used in the Electrical Industry, ranging from Cable Glands and Gland Kits, Cable Lugs and Terminations. Additionally, the brand has diversified into GI Back Boxes, Channel Supports, cable management, hand dryers, and a host of other electrical accessories that go into buildings.

Cupra is on the verge of tremendous growth, a growth that has the potential to spiral the brand to new heights and successes. Come, be part of the Cupra family, and join us in our march towards greater success and glory.

Customercentric®



“Cupra Earthing and Lightning Protection had its origins in the United Kingdom as a small and medium business unit, before merging with LCC, France. The merger has created a brand with footprints across the world, comprising products to varying standards and concepts. The LCC Group is now known as Cupra International.”

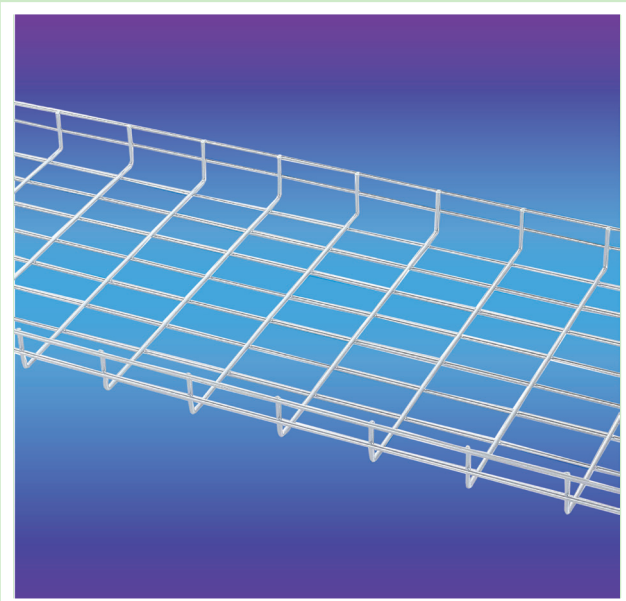
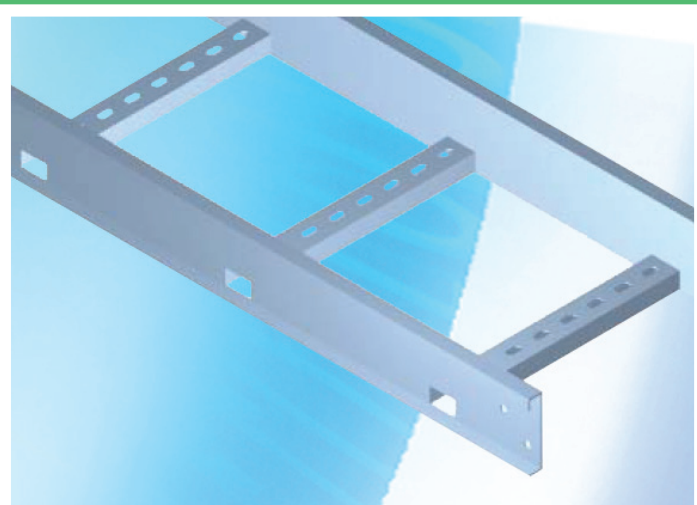
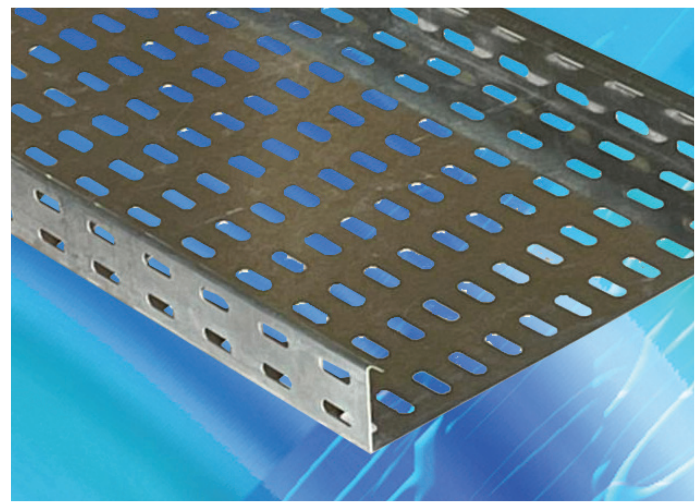


Introduction

The Stanchion Range of Cable Supports from Cupra is a product spread ranging from Cable Trunkings, Cable Trays, and Cable Ladders, strut supports and related hardware.

The range is available in various finishes such as Pregalvanised, Hot Dipped Galvanised, and Deep Galvanised, and is manufactured from Mild Steel, Pregalvanised Sheet Steel and special materials such as Stainless steel(grades ranging from SS 201 to SS 316), Aluminium, and Fibreglass.

The Stanchion Range from Cupra is comprehensive and all accessories necessary to complete the system are available as standard supply. It is also possible to customize product to the requirements of the customer.



Cable Trunkings

Cable Trunkings find application in containment of wires within structures. Pre galvanised sheet steel that conforms to the requirements of BS EN 10142:2006 is used in the manufacture of Stanchion Cable Trunkings.

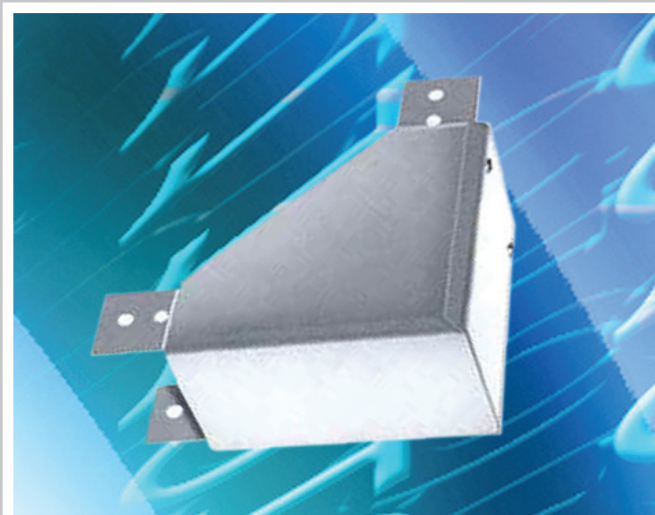
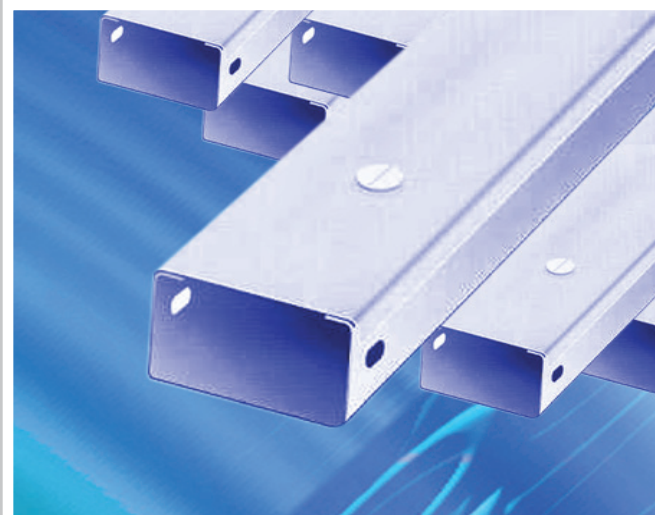
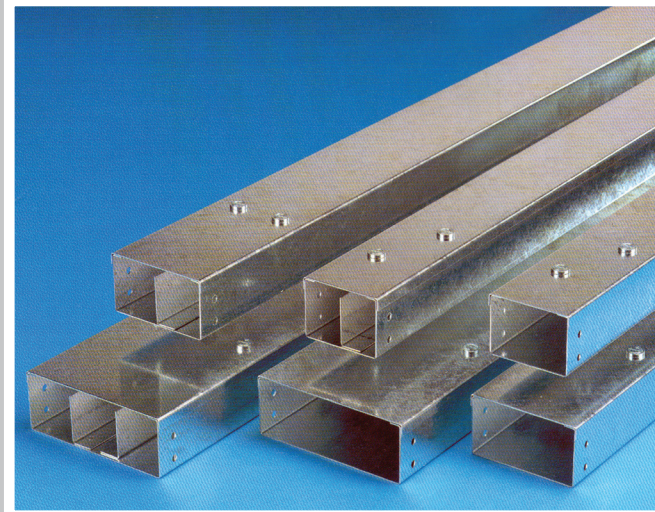
Care is taken during manufacture to ensure that the folding is properly carried out and there are no sharp ends within the containment. The correct process of installing wires in trunkings is to open the cover and 'lay' wires within the interior. Specifiers may take note of this and ensure implementation to prevent 'pulling' of wires within closed trunkings which then rightly need to be called ductings, and not trunkings.

Covers are secured to the body of the trunking by using a turnbuckle or a screw fix arrangement. Self tapping screws are used in screw fix arrangements to secure to the covers to the body.

In the screw fix Stanchion Cable Trunkings from Cupra, the fasteners will not damage wires within the containment. As per IEE wiring regulations, it is necessary to implement a 45% fill factor. This will ensure that wires do not get damaged within screw fix trunkings, as long as standard installation processes are followed.

The earthing of cable trunkings and earth continuity between ends of bases, and between bases and covers is essential. This can be achieved by the use of quality materials. Secure connection between covers and bases using turnbuckles or screw fix arrangements will ensure that this important requirement as dictated by the relevant standards is adhered to.

In highly corrosive environment such as Sewage Treatment Plants and Marine Applications, the usage of special finishes such as Hot Dipped Galvanised, or the usage of appropriate base materials such as Stainless Steel or Aluminium is recommended.

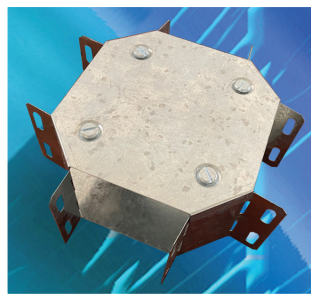
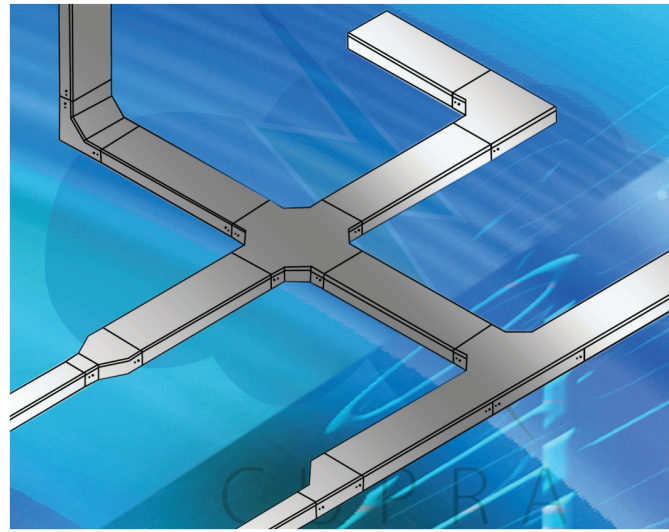




Hot Dipped Galvanised trunkings are manufactured from mild steel, and Hot Dipped Galvanised thereafter. However, it must be stated here that when sheet steel of large spans are hot dipped galvanized, warping is possible and trunkings could get deformed, if care is not taken during the Hot Dipped Galvanising process.

In uncoated forms, stainless steel or aluminium is used to form the trunkings and achieve the balance of shape and protection. Stainless steel is a self correcting material, and is therefore best suited for corrosive applications. Stainless Steel 304 or 316 low carbon versions are used to manufacture such trunkings.

Epoxy coated trunkings provide a good protection against corrosion. Coating is carried out on Electro-galvanised sheet steel, as this provides superior adhesion during the epoxy coating process. However, while using epoxy coated product, the covers must be secured to the base using self tapping screws, to ensure that there is earth continuity between the cover and base.



	50 x 50 x 1.0	75 x 50 x 1.0	75 x 75 x 1.2	100 x 50 x 1.2	100 x 75 x 1.2
Straight Length 3m	SCTKTBC22	SCTKTBC32	SCTKTBC33	SCTKTBC42	SCTKTBC43
90 Deg Flat Bend Top Lid	SCTKTBFBC22	SCTKTBFBC32	SCTKTBFBC33	SCTKTBFBC42	SCTKTBFBC43
90 Deg Bend Inside Riser	SCTKTBIRC22	SCTKTBIRC32	SCTKTBIRC33	SCTKTBIRC42	SCTKTBIRC43
90 Deg Bend Outside Riser	SCTKTBORC22	SCTKTBORC32	SCTKTBORC33	SCTKTBORC42	SCTKTBORC43
Angular Bend Top Lid	SCTKTBA [^] BC22	SCTKTBA [^] BC32	SCTKTBA [^] BC33	SCTKTBA [^] BC42	SCTKTBA [^] BC43
Angular Bend Inside Riser	SCTKTBA [^] IRC22	SCTKTBA [^] IRC32	SCTKTBA [^] IRC33	SCTKTBA [^] IRC42	SCTKTBA [^] IRC43
Angular Bend Outside Riser	SCTKTBA [^] OBC22	SCTKTBA [^] OBC32	SCTKTBA [^] OBC33	SCTKTBA [^] OBC42	SCTKTBA [^] OBC43
Tee Top Lid	SCTKTBTTC22	SCTKTBTTC32	SCTKTBTTC33	SCTKTBTTC42	SCTKTBTTC43
Tee Inside /Outside Lid	SCTKTBTTC22	SCTKTBTTC32	SCTKTBTTC33	SCTKTBTTC42	SCTKTBTTC43
Cross Top Lid	SCTKTBC [^] C22	SCTKTBC [^] C32	SCTKTBC [^] C33	SCTKTBC [^] C42	SCTKTBC [^] C43
Blind End/End Cap	SCTKE022	SCTKE032	SCTKE033	SCTKE042	SCTKE043
Straight Coupler	SCTKJC022	SCTKJC032	SCTKJC033	SCTKJC042	SCTKJC043
Reducer Straight		SCTKTBSR [^] C32-XX	SCTKTBSR [^] C33-XX	SCTKTBSR [^] C42-XX	SCTKTBSR [^] C43-XX
Vertical Offset	SCTKTBOVC22	SCTKTBOVC32	SCTKTBOVC33	SCTKTBOVC42	SCTKTBOVC43
Horizontal Offset	SCTKTBOHC22	SCTKTBOHC32	SCTKTBOHC33	SCTKTBOHC42	SCTKTBOHC43

Angular Bends: For angular bends replace [^] with the required angle. For inside risers and outside risers at different angles, replace [^] with the required angle.

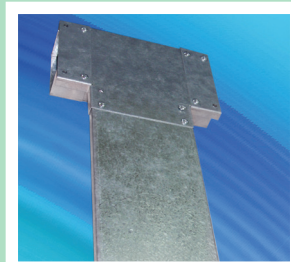
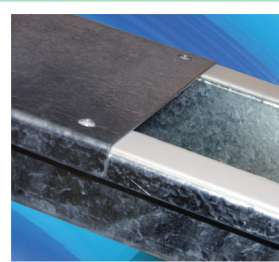
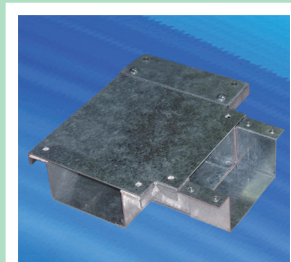
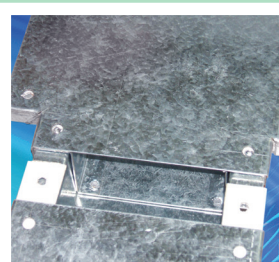
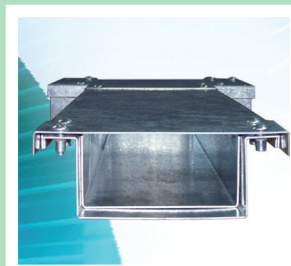
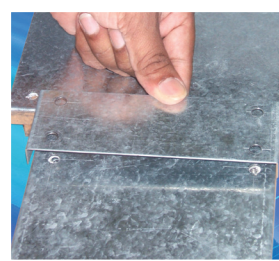
Accessories are turnbuckle as standard. For a screwfix solution suffix with S.

Weather Proof: To order Weather Proof Trunking and accessories, replace SCTK with SCKWP.

Stanchion Trunkings are used to contain wires and low voltage cables from distribution centres to final user points. Trunkings are manufactured to the requirements of BS 4678 (now replaced by BS EN 50085). The standard defines the thickness of the trunking, and the parameters within which the earth continuity of the trunking lengths should lie.

Stanchion Trunking straight lengths are supplied in 3m or 2.44m lengths as designated by the sheet steel used in the manufacture. While the ideal length is 3m, there are instances when only a 2.44m length can be supplied due to limitations of coil or sheet size.

Stanchion Weather Proof Trunkings are manufactured to IP55 Ingress Protection levels. The trunkings feature a weather durable gasket between the cover and base, and a comprehensive coupling system that ensures adequate protection in external applications.



	100 x 100 x 1.2	150 x 50 x 1.2	150 x 75 x 1.2	150 x 100 x 1.2	150 x 150 x 1.2
	SCTKTB*C44	SCTKTB*C62	SCTKTB*C63	SCTKTB*C64	SCTKTB*C66
	SCTKTBFB*C44	SCTKTBFB*C62	SCTKTBFB*C63	SCTKTBFB*C64	SCTKTBFB*C66
	SCTKTBIR*C44	SCTKTBIR*C62	SCTKTBIR*C63	SCTKTBIR*C64	SCTKTBIR*C66
	SCTKTBOR*C44	SCTKTBOR*C62	SCTKTBOR*C63	SCTKTBOR*C64	SCTKTBOR*C66
	SCTKTB^AB*C44	SCTKTB^AB*C62	SCTKTB^AB*C63	SCTKTB^AB*C64	SCTKTB^AB*C66
	SCTKTB^AIB*C44	SCTKTB^AIB*C62	SCTKTB^AIB*C63	SCTKTB^AIB*C64	SCTKTB^AIB*C66
	SCTKTB^AOB*C44	SCTKTB^AOB*C62	SCTKTB^AOB*C63	SCTKTB^AOB*C64	SCTKTB^AOB*C66
	SCTKTBT*C44	SCTKTBT*C62	SCTKTBT*C63	SCTKTBT*C64	SCTKTBT*C66
	SCTKTBTIR*C44	SCTKTBTIR*C62	SCTKTBTIR*C63	SCTKTBTIR*C64	SCTKTBTIR*C66
	SCTKTBTCT*C44	SCTKTBTCT*C62	SCTKTBTCT*C63	SCTKTBTCT*C64	SCTKTBTCT*C66
	SCTKE044	SCTKE062	SCTKE063	SCTKE064	SCTKE066
	SCTKJC044	SCTKJC062	SCTKJC063	SCTKJC064	SCTKJC066
	SCTTKBSR*C44-XX	SCTTKBSR*C62-XX	SCTTKBSR*C63-XX	SCTTKBSR*C64-XX	SCTTKBSR*C66-XX
	SCTKTBOV*C44	SCTKTBOV*C62	SCTKTBOV*C63	SCTKTBOV*C64	SCTKTBOV*C66
	SCTKTBOH*C44	SCTKTBOH*C62	SCTKTBOH*C63	SCTKTBOH*C64	SCTKTBOH*C66



Screwfix: For a screwfix solution, replace TB with SF.

Multicompartement Options: To order Multicompartement Trunking, replace * with the number of compartments.

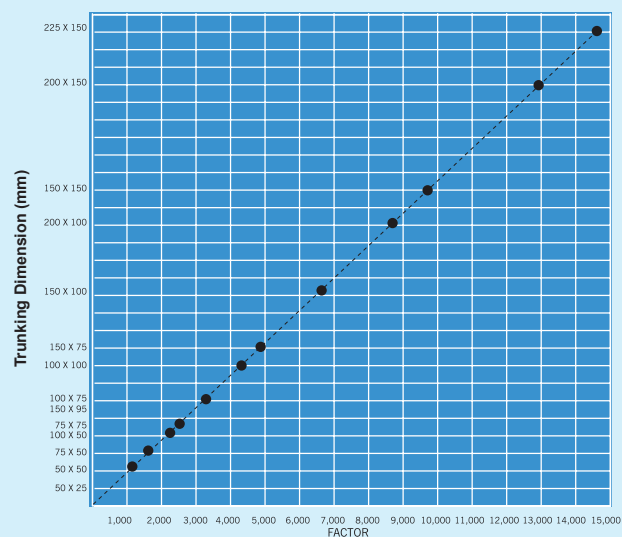
Weather Proof: To order Weather Proof Trunking and accessories, replace SCTK with SCTKWP.

	50 x 50 x 1.0	75 x 50 x 1.0	75 x 75 x 1.2	100 x 50 x 1.2	100 x 75 x 1.2
Cable Retainer	SCTKTBCR*C22	SCTKTBCR*C32	SCTKTBCR*C33	SCTKTBCR*C42	SCTKTBCR*C43
Suspension Hanger	SCTKTBSH*C22	SCTKTBSH*C32	SCTKTBSH*C33	SCTKTBSH*C42	SCTKTBSH*C43
U Coupler	SCTKJUC022	SCTKJUC032	SCTKJUC033	SCTKJUC042	SCTKJUC043
Barrier Strip	SCTKJBS022	SCTKJBS032	SCTKJBS033	SCTKJBS042	SCTKJBS043
Face Off right	SCTKJAOR022	SCTKJAOR032	SCTKJAOR033	SCTKJAOR042	SCTKJAOR043
Face Off Left	SCTKJAOL022	SCTKJAOL032	SCTKJAOL033	SCTKJAOL042	SCTKJAOL043
Earth Link	SCTKEL	SCTKEL	SCTKEL	SCTKEL	SCTKEL
Flange Connector	SCTKAC	SCTKAC	SCTKAC	SCTKAC	SCTKAC

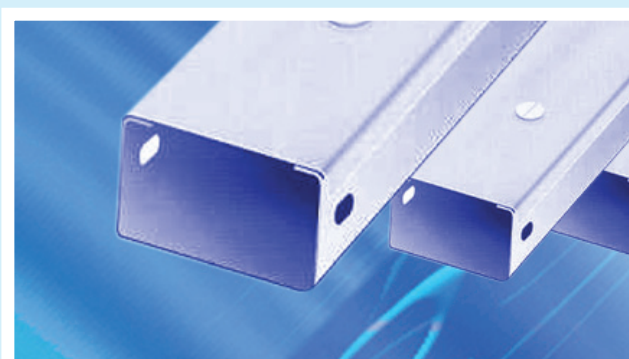
Reducers- replace OS with the smaller size nomenclature. For Example a reducer from 75x75 to 50x50 will have the part number SCTKR033-022.

Unequal Tees- size indicated is the horizontal size. OS to be replaced by the size of the vertical run of the Tee Junction. For other Tee configurations, a sketch will have to be provided.

Cable Capacity Guide

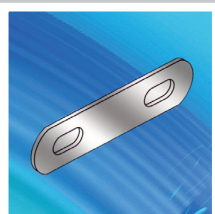
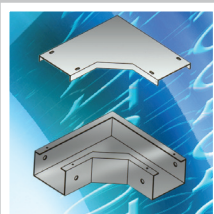
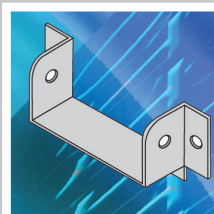
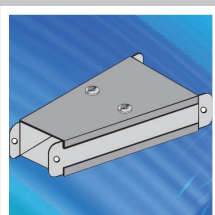
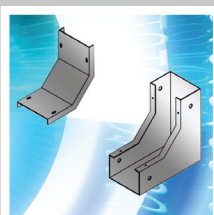
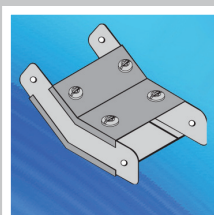
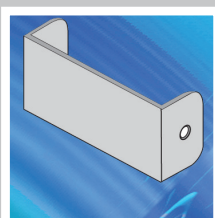
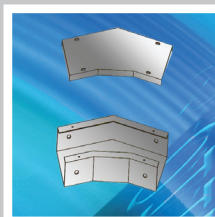


Derived from relevant requirements of 16th edition of IEE wiring regulations, which allow a 45% fill factor



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- Stanchion Cable Trunkings are manufactured from Steel that conforms to BS EN 10142.
- Trunkings comply to the regulations of BS EN 50085(formerly BS 4678)
- It is important to maintain electrical continuity between the cover and the base for the integrity of the system, and adherence to standards.
- Wiring within the trunkings should be to a maximum of 45% of the available capacity in line with IEE wiring regulations.



	100 x 100 x 1.2	150 x 50 x 1.2	150 x 75 x 1.2	150 x 100 x 1.2	150 x 150 x 1.2
	SCTKTBCR*C44	SCTKTBCR*C62	SCTKTBCR*C63	SCTKTBCR*C64	SCTKTBCR*C66
	SCTKTBSH*C44	SCTKTBSH*C62	SCTKTBSH*C63	SCTKTBSH*C64	SCTKTBSH*C66
	SCTKJUC044	SCTKJUC062	SCTKJUC063	SCTKJUC064	SCTKJUC066
	SCTKJBS044	SCTKJBS062	SCTKJBS063	SCTKJBS064	SCTKJBS066
	SCTKJAOR044	SCTKJAOR062	SCTKJAOR063	SCTKJAOR064	SCTKJAOR066
	SCTKJAOL044	SCTKJAOL062	SCTKJAOL063	SCTKJAOL064	SCTKJAOL066
	SCTKEL	SCTKEL	SCTKEL	SCTKEL	SCTKEL
	SCTKAC	SCTKAC	SCTKAC	SCTKAC	SCTKAC

FACTORS FOR CONDUCTORS

Conductor Cross - Sectional Area mm ²		Factor
Solid	1.5	8.0
	2.5	12.0

FACTORS FOR CONDUCTORS

Conductor Cross - Sectional Area mm ²		Factor
Solid	1.5	8.0
	2.5	12.6
	4	16.6
	6	21.2
	10	35.3
	16	47.8
	25	73.9
	35	93.4



FACTORS FOR TRUNKING

Dimensions mm x mm	Factor
50 x 50	1125
75 x 50	1688
75 x 75	2531
100 x 50	2250
100 x 75	3375
100 x 100	4500
150 x 50	3375
150 x 75	5063
150 x 100	6750
150 x 150	10125
200 x 50	4500
200 x 75	6750
200 x 100	9000
200 x 150	13500
225 x 100	10125
225 x 150	15188
250 x 100	11250
250 x 150	16875
300 x 100	13500
300 x 150	20250

Cable Trays

Heavy Cables are used to feed buildings, and route services from one area to another. Such armoured and sheathed cables are run within Cable Trays, either solid bottom or perforated. Cable trays have varying spans and are manufactured from various thicknesses to ensure that the right tray is used for the right application.

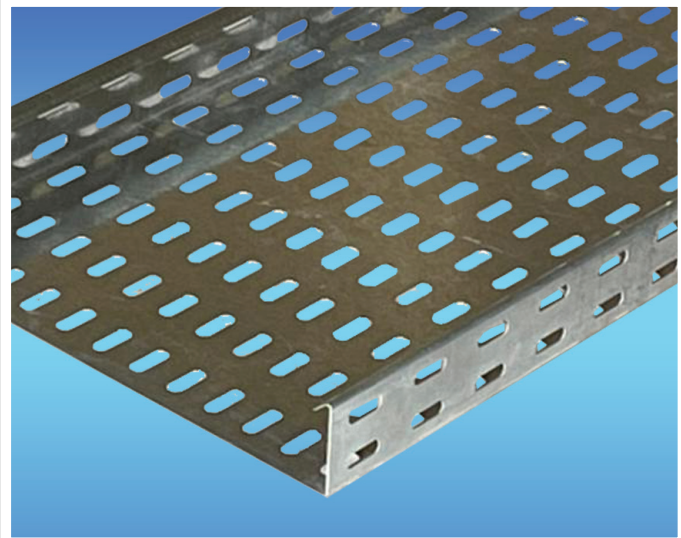
Appropriate support systems from Stanchion are used to support Cable Trays at regular intervals enabling a strong, effective system. The choice of product and finish depends on atmospheric conditions, and the capability of the support system to withstand adverse conditions.

The Stanchion Cable Tray is a comprehensive range of perforated and solid bottom cable trays. When used with Stanchion accessories, the installation is sturdy, and can take significant loads.

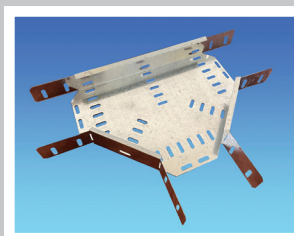
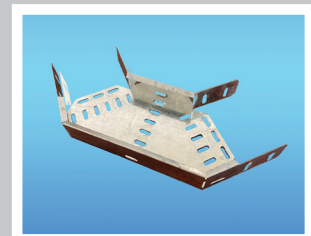
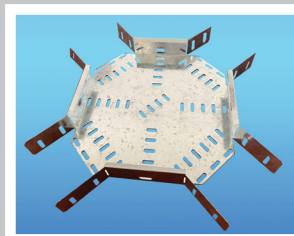
The standard slot on the Stanchion Cable Trays is 8mm x 20mm, oblong. These slots are laid in a straight fashion across the cable tray. As these slots are in the direction of the cable run, it helps secure cables effectively to the cable tray.

Stanchion Cable Trays from Cupra are manufactured from different materials to various grades according to performance demands and requirements. Heavy Duty Cable Trays feature a straight Flange Height of 50mm, and a return of 12mm, while the Medium Duty Cable Tray has a straight flange of 25mm, with a return of 10mm. In Light Duty Cable Trays, the straight flange is 25mm.

Environmental needs dictate the finish on the product. The finish varies from pregalvanised sheet steel to hot dipped galvanized after manufacture, on mild steel. In highly corrosive environs, the usage of stainless steel



Straight Pattern

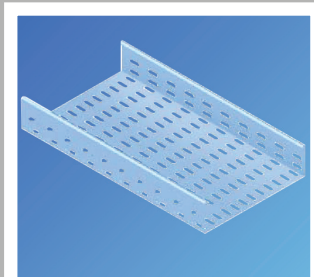
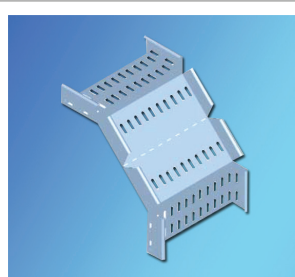
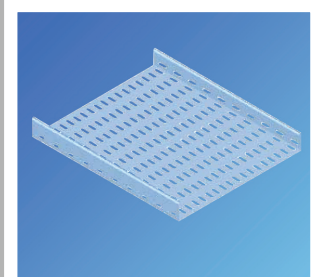
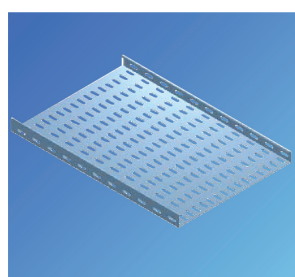
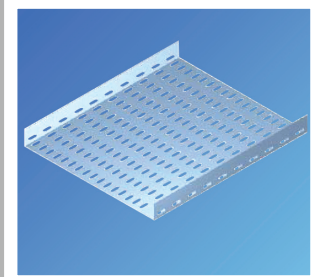
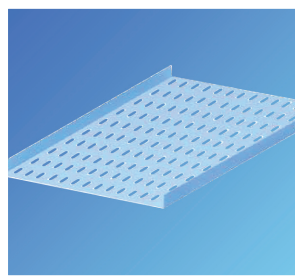
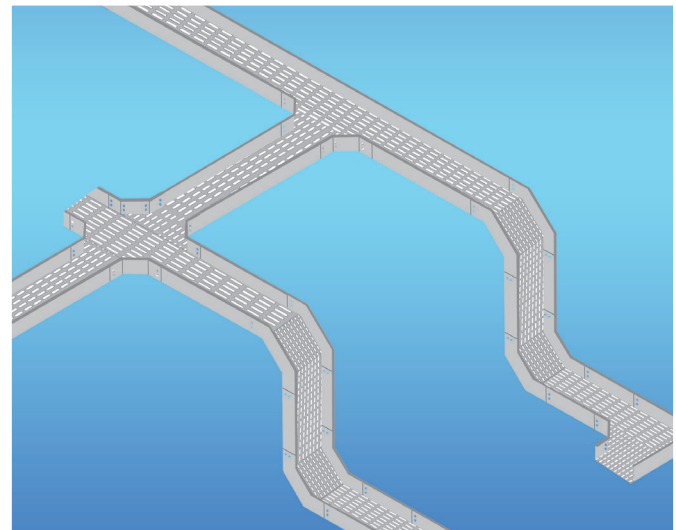


is encouraged. Alternately, deep galvanized products, that feature a zinc coating of upto 100 microns, on pre-treated sheet steel of 2.0mm is recommended. Deep galvanization is not feasible on thinner gauge sheet steel as the lengthy duration in the zinc bath could warp the straight lengths.

The usage of accessories to achieve bends and turns ensures that the ends of trays are well protected against rust formation. If onsite cutting is required, care should be taken to ensure that the cut ends are filed properly to prevent shards of steel filings remaining on the sheet. Thereafter, the smoothened edges should be coated with Galvanising primer and then finished to achieve a presentable appearance.

Epoxy coated cable trays are used for a variety of applications. Apart from serving the purpose of colour coding services, the trays also display good corrosion resistance. Epoxy coated cable trays are manufactured from electro galvanized sheet steel that display exceptional adhesion properties. The polyester epoxy coating layer on the sheet steel is a tough material that ensures good protection against corrosion. However, the electrical continuity of epoxy coated cable trays is not as good as hot dipped galvanized product, on account of the non-conductive nature of polyester that is coated on the sheet steel.

Highly corrosive environs dictate the need to use special finishes such as Stainless Steel or fiberglass. Stanchion Cable Trays can be supplied in Stainless Steel, aluminium and fiberglass, on request, as these are standard product offerings from Cupra.



WIDTH	75	100	150	225
Standard thickness	1.0-20 (T)	1.0-20 (T)	1.0-20 (T)	1.0-20 (T)
Straight length	SCTRYDF75T	SCTRYDF100T	SCTRYDF150T	SCTRYDF225T
Flat Bend 90 Deg	SCTRYDF75FB	SCTRYDF100FB	SCTRYDF150FB	SCTRYDF225FB
Angular Bend	SCTRYDF75AB	SCTRYDF100AB	SCTRYDF150AB	SCTRYDF225AB
Equal Tee	SCTRYDF75ET	SCTRYDF100ET	SCTRYDF150ET	SCTRYDF225ET
Unequal Tee	SCTRYDF75ET-OS	SCTRYDF100ET-OS	SCTRYDF150ET-OS	SCTRYDF225ET-OS
Cross	SCTRYDF75CR	SCTRYDF100CR	SCTRYDF150CR	SCTRYDF225CR
Inside Riser	SCTRYDF75IR	SCTRYDF100IR	SCTRYDF150IR	SCTRYDF225IR
Outside Riser	SCTRYDF75OR	SCTRYDF100OR	SCTRYDF150OR	SCTRYDF225OR
Reducer		SCTRYDF100RD-OS	SCTRYDF150RD-OS	SCTRYDF225RD-OS
Left Reducer		SCTRYDF100RDL-OS	SCTRYDF150RDL-OS	SCTRYDF225RDL-OS
Right Reducer		SCTRYDF100RDR-OS	SCTRYDF150RDR-OS	SCTRYDF225RDR-OS
Fish plate	SCTRYDF75FP	SCTRYDF100FP	SCTRYDF150FP	SCTRYDF225FP
Cover	SCTRYDF75CV	SCTRYDF100CV	SCTRYDF150CV	SCTRYDF225CV
Cover Clip Ventilated	SCTRYFCVC	SCTRYFCVC	SCTRYFCVC	SCTRYFCVC
Cover Clip Closed	SCTRYFCCC	SCTRYFCCC	SCTRYFCCC	SCTRYFCCC
Straight Coupler	SCTRYDFSCP	SCTRYDFSCP	SCTRYDFSCP	SCTRYDFSCP
Return Flange Coupler	SCTRYDFFCP	SCTRYDFFCP	SCTRYDFFCP	SCTRYDFFCP
Horizontal Adjustable Wrap over coupler	SCTRYHAWCP	SCTRYHAWCP	SCTRYHAWCP	SCTRYHAWCP
Vertical Adjustable Coupler	SCTRYFVACP	SCTRYFVACP	SCTRYFVACP	SCTRYFVACP
Hold down Bracket	SCTRYFHB	SCTRYFHB	SCTRYFHB	SCTRYFHB
Bonding Jumper/Earth Link	SCTRYBJ	SCTRYBJ	SCTRYBJ	SCTRYBJ
End cap	SCTRYDFSEC75	SCTRYDFSEC100	SCTRYDFSEC150	SCTRYDFSEC225

Expansion Couplers: In the standard part number, replace S with E to order expansion couplers.

Angular Bends: For Flat Bends at different angles, replace * with the required Angle. For example, to order a 45 degree Heavy Duty Slow bend in 225mm, the part number would read SCTRYHDGS225AB-45.

Unequal Tees- size indicated is the horizontal size. OS to be replaced by the size of the vertical run of the Tee Junction. For other Tee configurations, a sketch will have to be provided.



For corrosive areas, it is recommended to use cable trays manufactured from Stainless Steel SS 316 grade or Aluminium. Deep galvanising is also a commonly used process for prevention of corrosion Galvanising, however, is not an environmental friendly process. In such cases, it is recommended to use ALUZINK. Aluzinc, or Aluzink, is a cold-rolled galvanized steel that is formed from Aluminium (55%), Zinc (43.4%) and Silicon (1.6%) and is often known as Zin-calume or Galvalume. With an excellent corrosion resistance in many atmospheric conditions, Aluzinc offers a huge number of benefits.

	300	450	600	750	900
	1.0-20 (T)	1.5-2.0 (T)	1.5-2.0 (T)	1.5-2.0 (T)	1.5-2.0 (T)
	SCTRYDF300T	SCTRYDF450T	SCTRYDF600T	SCTRYDF750T	SCTRYDF900T
	SCTRYDF300FB	SCTRYDF450FB	SCTRYDF600FB	SCTRYDF750FB	SCTRYDF900FB
	SCTRYDF300AB	SCTRYDF450AB	SCTRYDF600AB	SCTRYDF750AB	SCTRYDF900AB
	SCTRYDF300ET	SCTRYDF450ET	SCTRYDF600ET	SCTRYDF750ET	SCTRYDF900ET
	SCTRYDF300ET-OS	SCTRYDF450ET-OS	SCTRYDF600ET-OS	SCTRYDF750ET-OS	SCTRYDF900ET-OS
	SCTRYDF300CR	SCTRYDF450CR	SCTRYDF600CR	SCTRYDF750CR	SCTRYDF900CR
	SCTRYDF300IR	SCTRYDF450IR	SCTRYDF600IR	SCTRYDF750IR	SCTRYDF900IR
	SCTRYDF300OR	SCTRYDF450OR	SCTRYDF600OR	SCTRYDF 750OR	SCTRYDF900OR
	SCTRYDF300RD-OS	SCTRYDF450RD-OS	SCTRYDF600RD-OS	SCTRYDF750RD-OS	SCTRYDF900RD-OS
	SCTRYDF300RDL-OS	SCTRYDF450RDL-OS	SCTRYDF600RDL-OS	SCTRYDF750RDL-OS	SCTRYDF900RDL-OS
	SCTRYDF300RDR-OS	SCTRYDF450RDR-OS	SCTRYDF600RDR-OS	SCTRYDF750RDR-OS	SCTRYDF900RDR-OS
	SCTRYDF100FP	SCTRYDF100FP	SCTRYDF100FP	SCTRYDF100FP	SCTRYDF100FP
	SCTRYDF300CV	SCTRYDF450CV	SCTRYDF600CV	SCTRYDF750CV	SCTRYDF900CV
	SCTRYFCVC	SCTRYFCVC	SCTRYFCVC	SCTRYFCVC	SCTRYFCVC
	SCTRYFCCC	SCTRYFCCC	SCTRYFCCC	SCTRYFCCC	SCTRYFCCC
	SCTRYDFSCP	SCTRYDFSCP	SCTRYDFSCP	SCTRYDFSCP	SCTRYDFSCP
	SCTRYDFFCP	SCTRYDFFCP	SCTRYDFFCP	SCTRYDFFCP	SCTRYDFFCP
	SCTRYHAWCP	SCTRYHAWCP	SCTRYHAWCP	SCTRYHAWCP	SCTRYHAWCP
	SCTRYFVACP	SCTRYFVACP	SCTRYFVACP	SCTRYFVACP	SCTRYFVACP
	SCTRYFHB	SCTRYFHB	SCTRYFHB	SCTRYFHB	SCTRYFHB
	SCTRYBJ	SCTRYBJ	SCTRYBJ	SCTRYBJ	SCTRYBJ
	SCTRYDFSEC300	SCTRYDFSEC450	SCTRYDFSEC600	SCTRYDFSEC750	SCTRYDFSEC900

Thickness(T)	Nomenclature
0.8	08
1.0	10
1.2	12
1.5	15
2.0	20

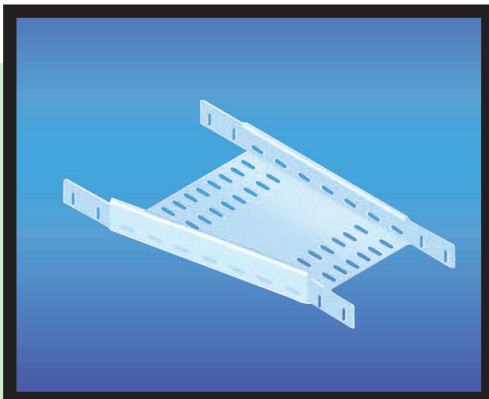
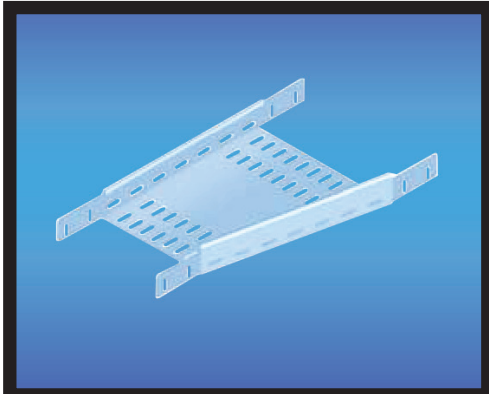
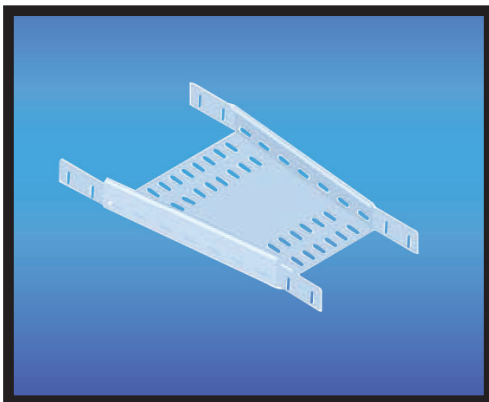
Duty (D) Nomenclature				
Duty	Depth	Flange Type	Flange Length	Nomenclature
Extra Heavy	100	Return	15	XD
Heavy	50	Return	12	HD
Medium		25	Return	10

Finish (F) Nomenclature		
Finish	Standard	Nomenclature
Hot Dip Galvanised	BS EN ISO 1461	G
Pregalvanised	BSEN 10142	P
Epoxy	BS 4800	E
Stainless Steel	SS316	S3
Stainless Steel	SS304	S4

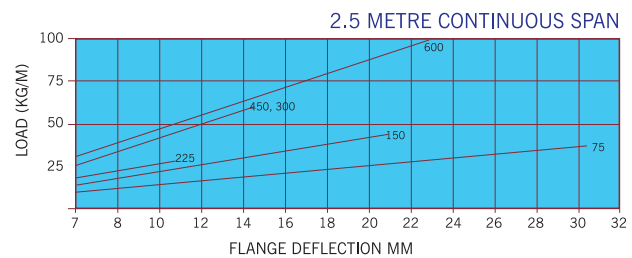
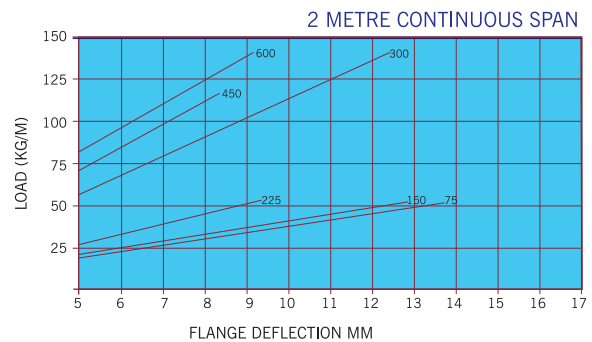


Width	Standard Thickness	Reducer
100	(T)1.0	SCTRYDF100RD-S
150	(T)1.2	SCTRYDF150RD-S
225	(T)1.2	SCTRYDF225RD-S
300	(T)1.5	SCTRYDF300RD-S
450	(T)1.5	SCTRYDF450RD-S
600	(T)2.0	SCTRYDF600RD-S
750	(T)2.0	SCTRYDF750RD-S

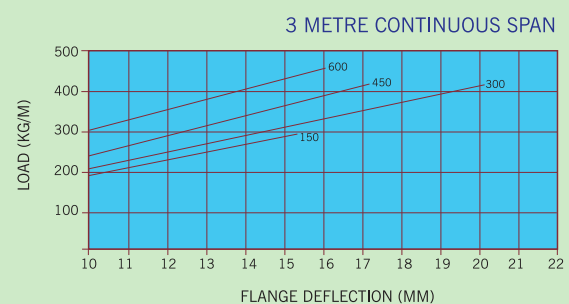
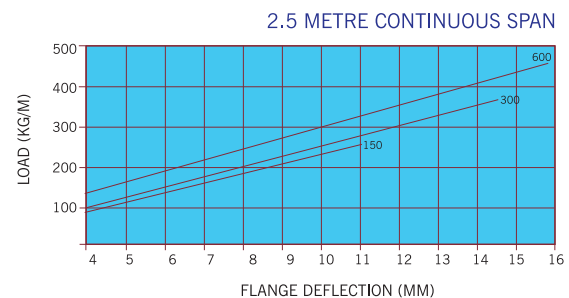
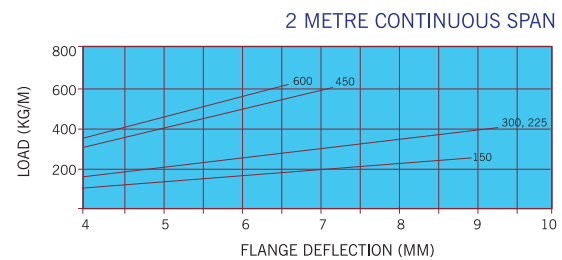
For Straight Reducers, replace RD with SR, with S being the smaller size.
For Offset Reducers, replace RD with OL(left) and OR(right), with S being the smaller size



LOADING GRAPHS Light Duty Cable Trays



Heavy Duty Return Flange Cable Trays



Cable Ladders

Heavy cable support applications is achieved using Cable Ladders. Cable Ladders have rungs extending across side beams that ensure that heavy cables can be run on the rungs.

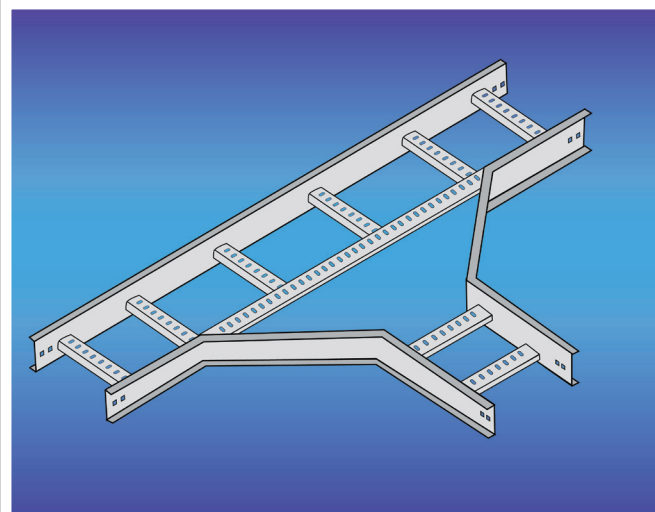
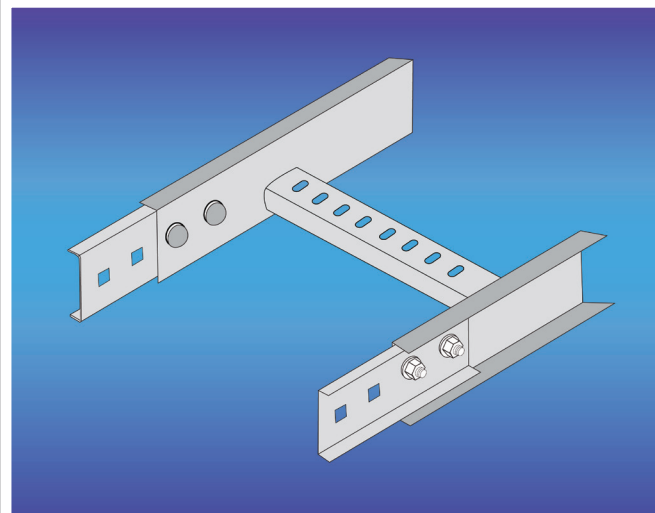
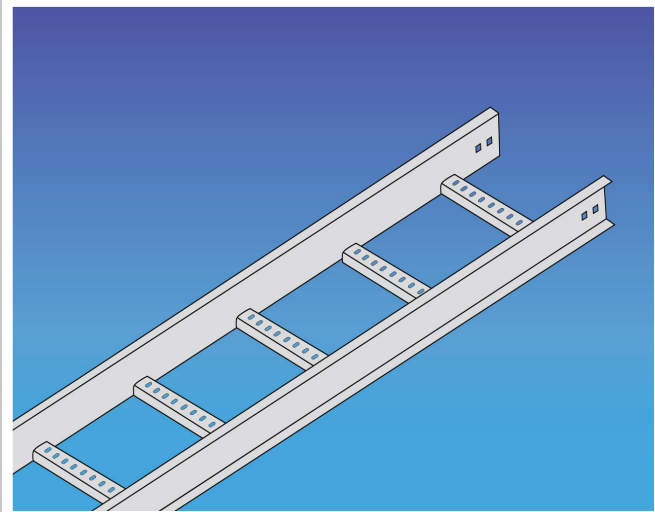
The Stanchion® Cable Ladders are available in three depths. These include 100mm, 125mm, and 150mm. The ladders can be supplied with the side rails facing inward, or outward, and the rungs spaced accordingly. The rungs are welded onto the side rails either directly on the rails, or through openings made on the rails. Thereafter, the entire structure is finished appropriately.

As most of the applications of Cable Ladders are external or heavy duty, it is mandatory that ladders are coated appropriately to ensure a good protection and long life.

The cable ladders are manufactured from mild steel, and thereafter hot dipped galvanized or epoxy powder coated to attain a good finish and performance. The cable ladders can also be supplied in Stainless Steel or Aluminium if required for improved performance under corrosive conditions.

Stanchion® Cable Ladders are supplied in 3.0m lengths as standard. On request 6.0m lengths can also be supplied.

Alternate configurations include the knock down version. This version is a considerably cost effective and yet, a very sturdy version of cable ladders. In this version, the cable ladders are supplied in a knock down form with the rungs, and side walls supplied separately. On site, the rungs are fixed using a nut-bolt arrangement. This arrangement is competitive, and yet





very strong from an application perspective. The fixing contact area is significantly higher than that of a conventional welded ladder, and therefore the Stanchion® knock down cable ladders can be stronger than their welded counterparts. The strength of the cable ladder system is dependent on the skill and workmanship of the workers who have put the ladders together. If this aspect is monitored, the knockdown cable ladder can be a very good solution, at an extremely competitive price.

Cable ladders are supplied in 1.5mm or 2.0 mm thick sheet steel as standard product. In case extra heavy duty is required, Cupra can supply cable ladders from upto 3.0mm side rails, and 2.5mm rungs.

Accessories ranging from couplers, hinged vertical couplers, horizontal couplers, hold down clamps, etc make up the complete range of Stanchion® Cable Ladders from Cupra.

Width	Straight Length	Flat Bend	Angular Bend	Equal Tee	Unequal Tee	Cross	Outside Riser
100	SCLTF100DH	SCLTF100FBDH	SCLTF100ABDH	SCLTF100ETDH	SCLTF100ETDH-OS	SCLTF100XDH	SCLTF100ORDH
150	SCLTA150DH	SCLTA150FBDH	SCLTF150ABDH	SCLTA150ETDH	SCLTA150ETDH-OS	SCLTA150XDH	SCLTA150ORDH
225	SCLTA225DH	SCLTA225FBDH	SCLTF225ABDH	SCLTA225ETDH	SCLTA225ETDH-OS	SCLTA225XDH	SCLTA225ORDH
300	SCLTA300DH	SCLTA300FBDH	SCLTF300ABDH	SCLTA300ETDH	SCLTA300ETDH-OS	SCLTA300XDH	SCLTA300ORDH
450	SCLTA450DH	SCLTA450FBDH	SCLTF450ABDH	SCLTA450ETDH	SCLTA450ETDH-OS	SCLTA450XDH	SCLTA450ORDH
600	SCLTA600DH	SCLTA600FBDH	SCLTF600ABDH	SCLTA600ETDH	SCLTA600ETDH-OS	SCLTA600XDH	SCLTA600ORDH
750	SCLTA750DH	SCLTA750FBDH	SCLTF750ABDH	SCLTA750ETDH	SCLTA750ETDH-OS	SCLTA750XDH	SCLTA750ORDH
900	SCLTA900DH	SCLTA900FBDH	SCLTF900ABDH	SCLTA900ETDH	SCLTA900ETDH-OS	SCLTA900XDH	SCLTA900ORDH
1000	SCLTA1000DH	SCLTA1000FBDH	SCLTF1000ABDH	SCLTA1000ETDH	SCLTA1000ETDH-OS	SCLTA1000XDH	SCLTA1000ORDH

Knockdown Ladders: To order Knockdown versions, suffix straight lengths with K. Standard product is presented as a welded product.

Reducers: For Straight Reducers, replace RD with S. To order Offset Reducers, replace RD with OL(left) and OR(right). Replace OS with the smaller size.

Height: The suffix H denotes the height of the ladder. H is replaced by 1 for 100mm, 2 for 150mm and 3 for 200mm ladders

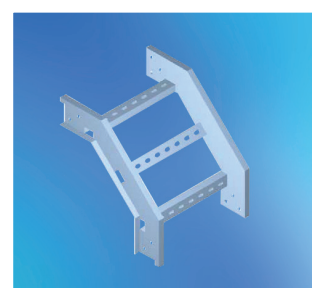
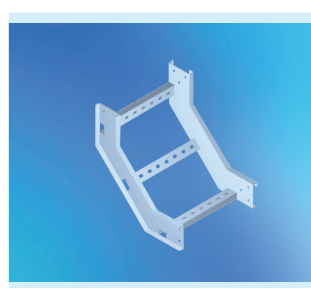
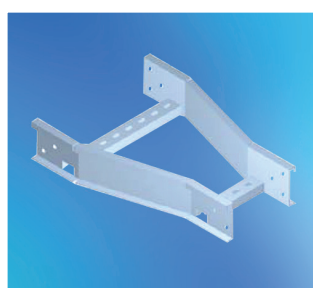
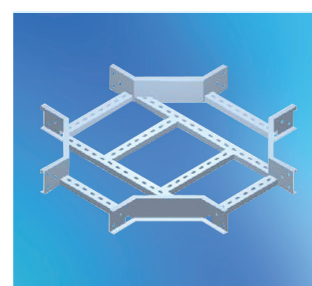
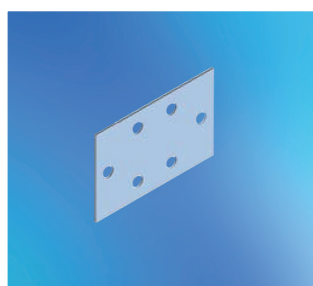
Expansion Couplers: In the standard part number, replace S with E to order expansion couplers.

Finish (F) Nomenclature		
Finish	Standard	Nomenclature
Hot Dip Galvanised	BS EN ISO 1461	G
Pregalvanised	BSEN 10142	P
Epoxy	BS 4800	E
Stainless Steel	SS316	S3
Stainless Steel	SS304	S4

Duty (D)	Nomenclature
Medium	M
Heavy Duty	U
Extra Heavy Duty	X

Thickness (T)	Nomenclature
1.5	15
2.0	20
2.5	25

Side Rail Height (H)	Nomenclature
75mm	1
100mm	2
125mm	3
150mm	4



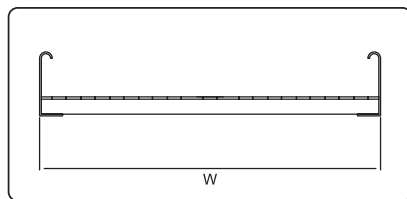
Inside Riser	Reducer	Horizontal Hinged coupler	Vertical Hinged Coupler	Straight Coupler	Expansion Coupler	Reducing Connector
SCLTF100IRDH		SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA150IRDH	SCTLF150RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA225IRDH	SCTLF225RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA300IRDH	SCTLF300RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA450IRDH	SCTLF450RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA600IRDH	SCTLF600RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA750IRDH	SCTLF750RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA900IRDH	SCTLF900RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH
SCLTA1000IRDH	SCTLF1000RDH-OS	SCTLFHHCDH	SCTLFVHCDH	SCTLFSCDH	SCTLFECDH	SCTLFRCDH

Width	Blind End	Barrier- Straight	Bonding Jumper	Hold Down Bracket	Hold Down Clamp	Drop Out
100	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
150	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
225	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
300	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
450	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
600	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
750	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
900	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH
1000	SCTLFBEDH	SCTLFBSDH	SCTLFBJ	SCTLFHBDH	SCTLFHCDH	SCTLFDODH

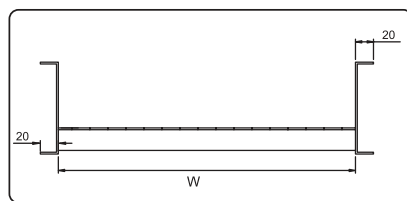
Wire Basket

Wire Baskets provide exceptional performance with high strength to weight ratio. The wire baskets are designed for trouble free rapid installation. The biggest advantage of a wire basket is the capability to fabricate accessories on-site by modifying straight lengths of product. Cable entry and exit can be facilitated using appropriate accessories.

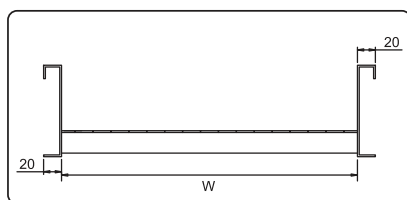
Wire baskets can be supplied in Pre galvanised (PG) to BS EN 10142, Hot Dipped Galvanised (HDG) and Stainless Steel (SS) to SS304.



MEDIUM DUTY

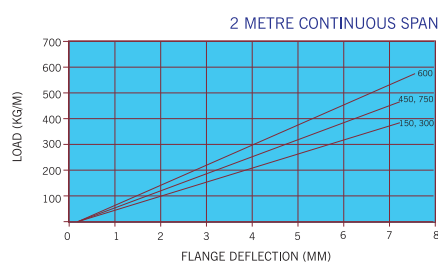
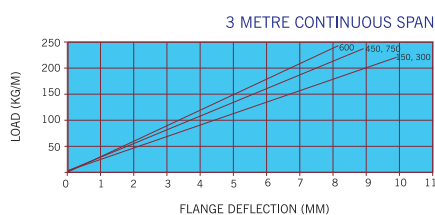
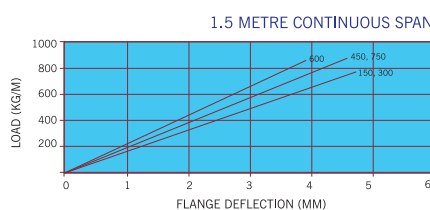


HEAVY DUTY

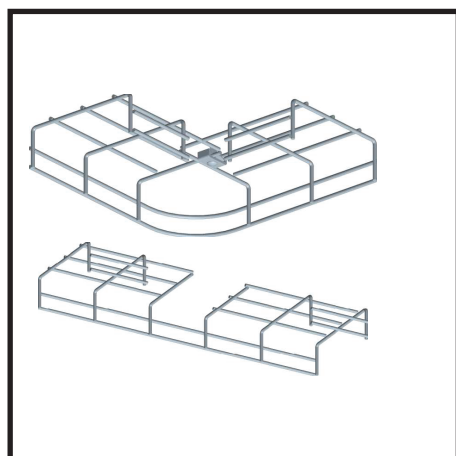


EXTRA HEAVY DUTY

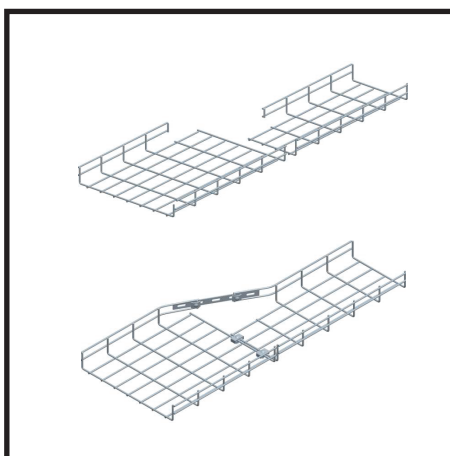
LOADING GRAPHS OF CABLE LADDERS



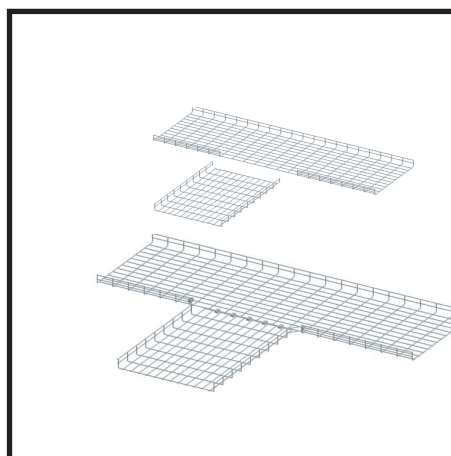
Width	Straight Length	Divider	90 Deg Flat Bend
50	SCWB50TDF	SCWBDF	SCWB50FBTDF
100	SCWB100TDF	SCWBDF	SCWB100FBTDF
150	SCWB150TDF	SCWBDF	SCWB150FBTDF
200	SCWB200TDF	SCWBDF	SCWB200FBTDF
200	SCWB200TDF	SCWBDF	SCWB200FBTDF
300	SCWB300TDF	SCWBDF	SCWB300FBTDF
300	SCWB300TDF	SCWBDF	SCWB300FBTDF
450	SCWB450TDF	SCWBDF	SCWB450FBTDF
600	SCWB600TDF	SCWBDF	SCWB600FBTDF



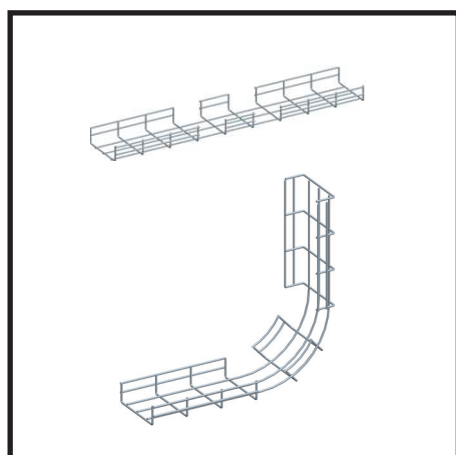
90° Horizontal Bend



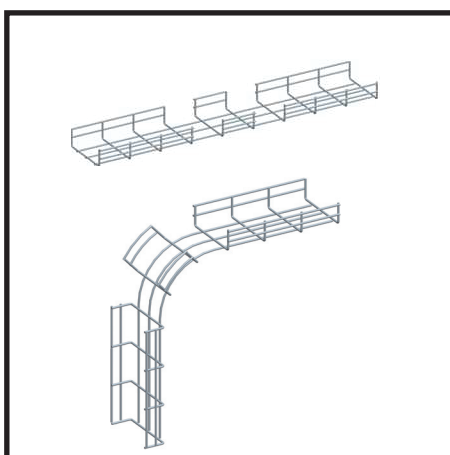
Reducers



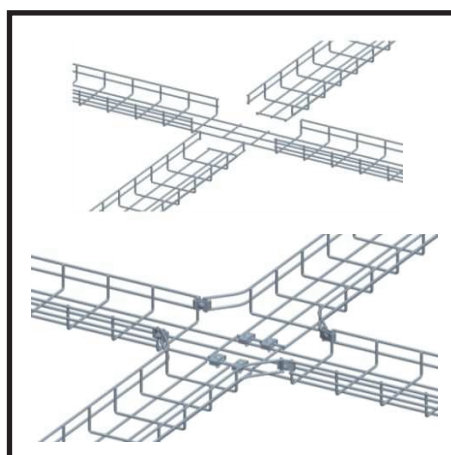
Horizontal Tees



Inside Riser



Outside Riser



Outside Riser

Equal Tee	Inside Riser	Outside Riser	Cross	Reducer
SCWB50EQTDF	SCWB50IRTDF	SCWB50ORTDF	SCWB50XTDF	
SCWB100EQTDF	SCWB100IRTDF	SCWB100ORTDF	SCWB100XTDF	SCWB100RDTDF-XX
SCWB150EQTDF	SCWB150IRTDF	SCWB150ORTDF	SCWB150XTDF	SCWB150RDTDF-XX
SCWB200EQTDF	SCWB200IRTDF	SCWB200ORTDF	SCWB200XTDF	SCWB200RDTDF-XX
SCWB200EQTDF	SCWB200IRTDF	SCWB200ORTDF	SCWB200XTDF	SCWB200RDTDF-XX
SCWB300EQTDF	SCWB300IRTDF	SCWB300ORTDF	SCWB300XTDF	SCWB300RDTDF-XX
SCWB300EQTDF	SCWB300IRTDF	SCWB300ORTDF	SCWB300XTDF	SCWB300RDTDF-XX
SCWB450EQTDF	SCWB450IRTDF	SCWB450ORTDF	SCWB450XTDF	SCWB450RDTDF-XX
SCWB600EQTDF	SCWB600IRTDF	SCWB600ORTDF	SCWB600XTDF	SCWB600RDTDF-XX



FLOOR DISTRIBUTION SYSTEMS

Floor Distribution Systems(FDS) are used to provide services within open once areas. The ducts or Trunkings are used as containment systems to enable the run of wires within them, and thereafter, when the wires are to be accessed, Floor Boxes are used, in situations when services are needed in the away from the walls.

FDS ducts and Trunkings are available in 2 and 3 compartment versions, and in Flush/Raised floor Trunking, and Inscreed Ducting systems.

Floor Trunking

A trunking is one where the cover can be opened, and the insides accessed.

When the containment is buried inside the screed, these are called as ducts instead of trunking.

Ducts are supplied in widths ranging from 150mm till 550mm, with depths ranging from 25mm till 50mm, to feed boxes or to contain cables as needed on different sites.

The Flush Floor Trunking is available with a body of 1.2 to 1.5mm and the lid is manufactured from a minimum thickness of 2.0mm thick pre galvanised sheet steel. The ideal thickness should be in the range of 2.5mm upto 3 mm, depending on the load rating expected on the flush floor trunking.

The flush floor trunking is supported by removable partitions which can be removed and relocated whenever floor boxes need to be fitted in the floor trunking cavity.

Flush floor trunking cannot be hot dipped galvanized after manufacture as this will result in warping of the top load plate and render instability in the floor Trunkings.

Raised floor Trunkings

Raised Floor Trunkings are run beneath raised access flooring (Raised Access Flooring can be supplied as well on request).

The raised floor Trunkings can be removed just like Flush Floor Trunkings, but are not a load bearing component unlike the Flush Floor Trunkings. The Trunkings are manufactured from pregalvanised sheet steel, or Epoxy coated after manufacture on Mild Steel.

Raised floor Trunkings cannot be hot dipped galvanised as this will result in a mismatch in hole position between covers and base, due to warping of the cover.

Vertical Risers

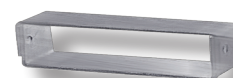
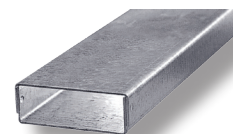
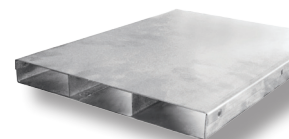
Vertical risers are used for transferring wires from a vertical run to a horizontal run. There is a front plate that is removable, which will help in accessing wires to thread the horizontal duct run.

Junction Boxes

The junction boxes are universal in nature, and can be adapted to tee/cross or angle configurations depending on application.

Metal Ducts

Dimension	1 Compartment	2 Compartment	3 Compartment	4 Compartment	Duct Couplers / Fixing Clip
50x25	CFPMD21-1*				CFPMD21DC
75x25	CFPMD31-1*				CFPMD31DC
150x25	CFPMD61-1*	CFPMD61-2*			CFPMD61DC
225x25		CFPMD91-2*	CFPMD91-3*		CFPMD91DC
275x25		CFPMD111-2*	CFPMD111-3*		CFPMD111DC
300x25		CFPMD121-2*	CFPMD121-3*		CFPMD121DC
350x25		CFPMD141-2*	CFPMD141-3*	CFPMD141-4*	CFPMD141DC
425x25			CFPMD171-3*	CFPMD171-4*	CFPMD171DC



Dimension	1 Compartment	2 Compartment	3 Compartment	4 Compartment	Duct Couplers / Fixing Clip
50x38	CFPMD215-1*				CFPMD215DC
75x38	CFPMD315-1*				CFPMD315DC
150x38	CFPMD615-1*	CFPMD615-2*			CFPMD615DC
225x38		CFPMD915-2*	CFPMD915-3*		CFPMD915DC
275x38		CFPMD1115-2*	CFPMD1115-3*		CFPMD1115DC
300x38		CFPMD1215-2*	CFPMD1215-3*		CFPMD1215DC
350x38		CFPMD1415-2*	CFPMD1415-3*	CFPMD1415-4*	CFPMD1415DC
425x38			CFPMD1715-3*	CFPMD1715-4*	CFPMD1715DC

All ducts upto 225mm span are manufactured with a thickness of 1.2mm for the cover and 1.0mm base as a standard.

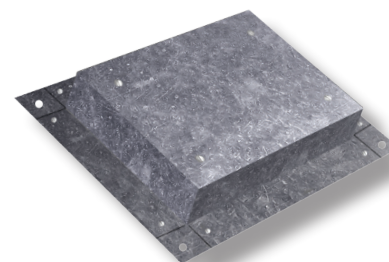
All ducts beyond 225mm and upto 350mm span are manufactured with a thickness of 1.52mm for the cover and 1.0mm base as a standard. Replace DC with FC for ordering Fixing Clips.

When a 350mm span duct is chosen, the cover is manufactured from 2.0mm sheet steel cover while the base is manufacture from 1.52mm sheet steel.

Straight lengths & Junction Box

Straight lengths supplied with couplers & related fixings

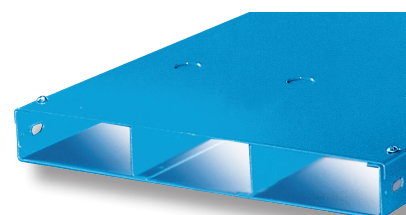
Dimension	Compartment	Straight Lengths	Junction Box
150 x 65	1	CFPFFM*626/1	CFPFFJB6/1
150 x 65	2	CFPFFM*626/2	CFPFFJB6/2
300 x 65	2	CFPFFM*1226/2	CFPFFJB12/2
300 x 65	3	CFPFFM*1226/3	CFPFFJB12/3
405 x 65	2	CFPFFM*1626/2	CFPFFJB16/2
405 x 65	3	CFPFFM*1626/3	CFPFFJB16/3



Standard flush floor trunking is supplied with 2.5mm thick cover.

Trunking

Width	Trunking
75	CFPRFT3D/C
100	CFPRFT4D/C
150	CFPRFT6D/C
225	CFPRFT9D/C
275	CFPRFT11D/C
300	CFPRFT12D/C
400	CFPRFT16D/C



Replace C with number of compartments; 1, 2 and 3 for single, double and triple compartments.

Replace D with height code for various depths.

Raised Floor Trunking is supplied without tap-off box. If the tap-off box is required please specify in your order, and we will supply one for every straight length.



Metal Framing Systems

The Stanchion range of metal framing products from Cupra are manufactured to the most exacting world standards. Products are manufactured from low Carbon Steel, thereby ensuring superior strength and reliability.

The channels are manufactured in multiple sets of roll formers that accurately cold-form sheets of steel into the required channel configuration. The products are manufactured to BS 6946:1988, from steel that complies to the requirements of BS 1449.

The Stanchion fittings and cantilever brackets comply with the relevant requirements of BS 1449. The products are manufactured from appropriately treated steel.

FINISHES

Channels are Hot Dip Galvanised in accordance to BS 729. The minimum average Zinc Coating is approximately 450 g/m².

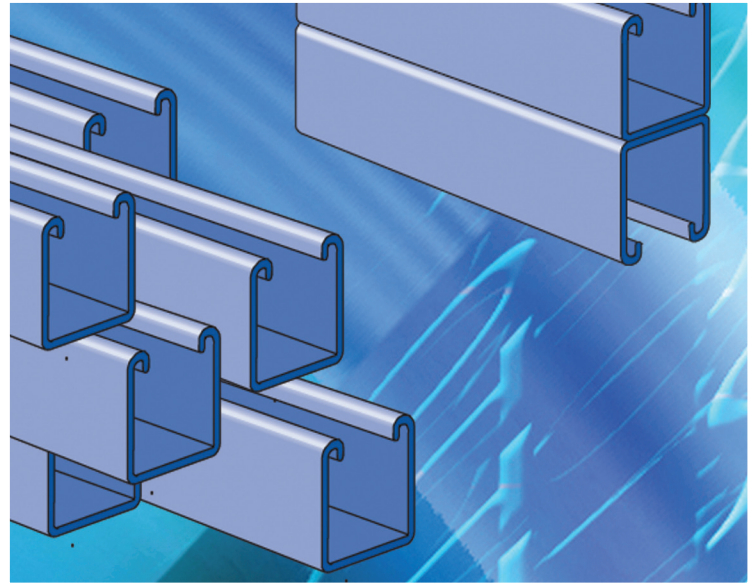
All Nuts and bolts are zinc electroplated, clear passivated to BS 3382.

LENGTHS

Channels are supplied in 3m lengths. 6m lengths can be supplied on request.

CHANNELS

Channels are supplied in 3.0m lengths as standard. A number of configurations are available to suit the requirements on site.



CHANNELS

41X21	SCHTF4121
41X21 Back to Back	SCHTF4121B
41x41	SCHTF4141
41x41 Back to Back	SCHTF4141B

FINISHES

THICKNESS

FINISHES		THICKNESS	
Hot Dipped Slotted	GS	1.5	15
Hot Dipped Plain	GP	2.0	20
Pre Galvanised Slotted	PS	2.5	25
Pre Galvanised Plain	PP		

BEAM LOADING 41X21 SINGLE CHANNEL

Span mm	Max UDL kg	Deflection at UDL mm	Uniform Loading at Deflection		
			Span/180 kg	Span/240 kg	Span/360 kg
600	200	3	200	190	125
750	165	4	165	122	81
1000	125	7	91	70	96
1250	95	12	661	44	30
1500	86	17	40	30	20
1750	75	31	31	23	16

Standard configurations include

41 x 41 mm
41 x 21 mm
21 x 21 mm

These configurations are available in thicknesses ranging from 1.5 mm to 2.5 mm. The above basic configurations can thereafter be used in combination to achieve back to back, back to side and side to side configurations, welded to each other.

The loading data for the basic configurations is shown here.

Loading details of other configurations can be provided on request.

CONCRETE INSERTS

Concrete inserts are used to provide a flexible fixing point in any concrete structure. These are fixed to the shuttering prior to pouring concrete, and provide a simple fixing point along the length of the channel. Concrete inserts are used in ceilings and on walls, and if fixed in coordination, the customer could get a flexible fixing solution.

In applications where the space is limited or a specific area requires inserts that are shorter, the concrete inserts can be supplied in increments of 200mm. The standard supply length is 3m.

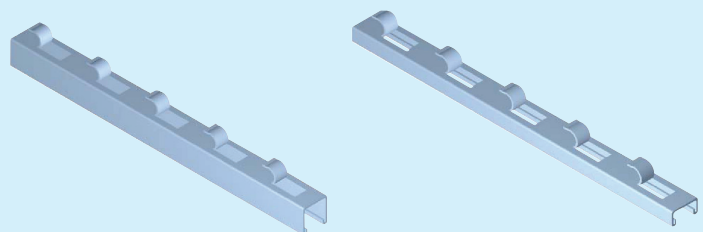
Concrete inserts are available in two cross section sizes 41 x 41 x 2.5mm and 41 x 21 x 2.5mm and either Hot Dipped Galvanised or pregalvanised.

	Point Load	Continuous Load
SCHTFC1	550 Kgs	SCHTFC1
SCHTFC2	750 Kgs	SCHTFC2
	250 mm Centres	

BEAM LOADING 41X21 SINGLE CHANNEL					
Span mm	Max UDL kg	Deflection at UDL mm	Uniform Loading at Deflection		
			Span/180 kg	Span/240 kg	Span/360 kg
600	780	1	780	780	780
750	625	2	625	625	600
1000	410	4	410	470	310
1250	370	6	370	325	210
1500	310	9	310	230	150
1750	270	12	225	170	110

BEAM LOADING 41X21 SINGLE CHANNEL					
Span mm	Max UDL kg	Deflection at UDL mm	Uniform Loading at Deflection		
			Span/180 kg	Span/240 kg	Span/360 kg
600	412	2	412	412	412
750	412	2	412	412	380
1000	328	4	328	314	211
1250	260	7	260	201	134
1500	219	10	188	141	94
1750	188	13	188	104	71

BEAM LOADING 41X21 SINGLE CHANNEL					
Span mm	Max UDL kg	Deflection at UDL mm	Uniform Loading at Deflection		
			Span/180 kg	Span/240 kg	Span/360 kg
600	1400	1	1400	1400	1400
750	1400	1	1400	1400	1400
1000	1328	2	1328	1328	1328
1250	1067	3	1067	1067	1067
1500	880	5	880	880	765
1750	760	7	760	760	540



CONCRETE INSERTS	
41X21	SCHTFC1
41x41	SCHTFC2



SPRING NUTS & HARDWARE

Stanchion spring nuts are manufactured from mild steel. Appropriate fixing schemes ensure that the spring nuts mate with the channels for excellent support.

The Stanchion Spring Nuts can be manufactured from stainless steel on request.

The product can be supplied in long and short spring versions.

Nuts and screws are tapped to metric threading. All nuts and screws are supplied in Zinc Electroplated versions, clear passivated, as standard.

Threaded Rods are available in Metric threading to M6, M8, M10 and M12 options.

All Nuts, Washers, and Bolts/screws are available in different sizes to suit customer requirements.



ROOFING BOLT



PAN HEADED BOLT & NUT



PLAIN WASHER



HEXAGONAL NUT



SPRING WASHER

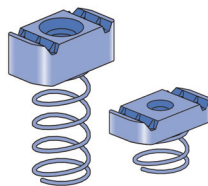


HEXAGONAL BOLT

FINISHES	M6	M8	M10	M12
Roofing Bolts	16mm	16mm	20mm	20mm
Pan Headed Bolt & Hex.Nut	20mm	20mm	20mm	20mm
Plain Washer	M6	M8	M10	M12
Hexagonal Nut	M6	M8	M10	M12
Spring Washer	M6	M8	M10	M12
Hexagonal Headed Bolt	20mm	20mm	20mm	20mm

Spring Nut Part Number

Size	Part No.
M6 Spring Nut	SCTRYSN6
M8 Spring Nut	SCTRYSN8
M10 Spring Nut	SCTRYSN10
M12 Spring Nut	SCTRYSN12



Threaded Rod Part Number

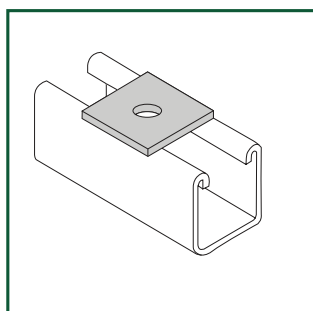
Size	Part No.
M6 Threaded Rod	SCTRYTRM6L
M8 Threaded Rod	SCTRYTRM8L
M10 Threaded Rod	SCTRYTRM10L
M12 Threaded Rod	SCTRYTRM12L

Note:

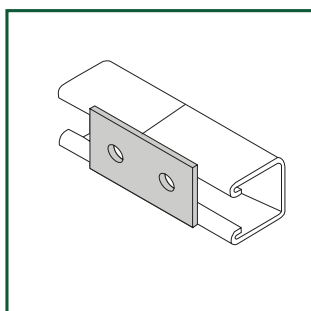
L is replaced with 1 for 1mtr
L is replaced with 3 for 3mtr



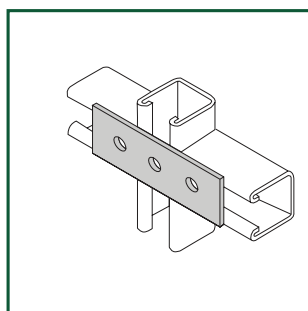
CHANNEL SUPPORT SYSTEMS



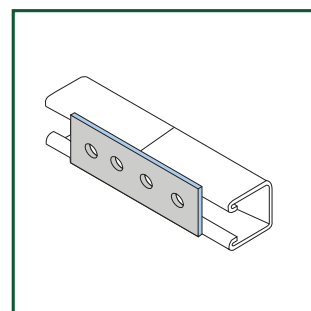
SCHTF01
Square washer



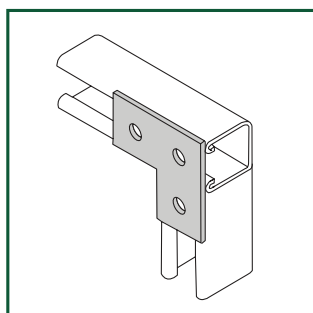
SCHTF02
Double Hole Splice Plate



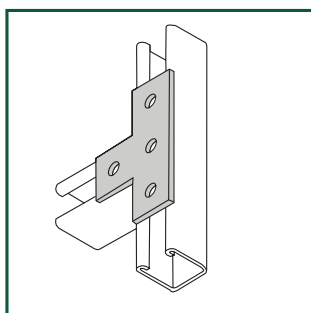
SCHTF03
Triple Hole Splice Plate



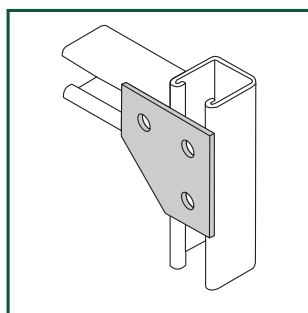
SCHTF04
Four Hole Splice Plate



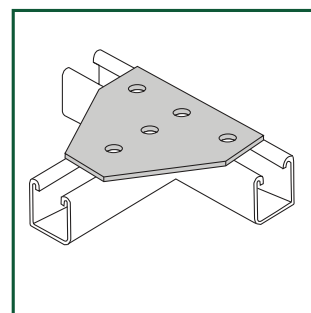
SCHTF05
3 Hole Corner Plate



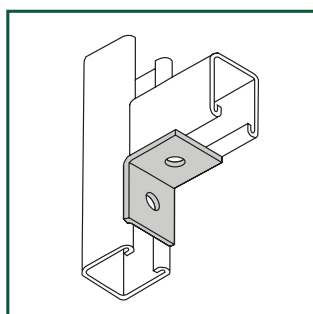
SCHTF06
4 Hole Tee Plate



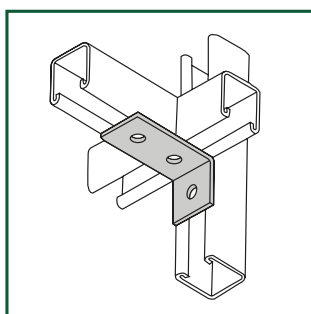
SCHTF07
3 Hole Corner Gusset Plate



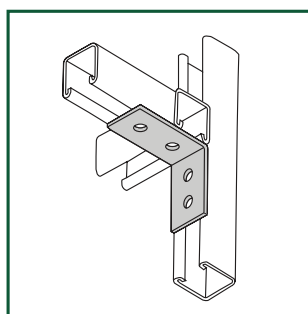
SCHTF08
5 Hole Tee Gusset Plate



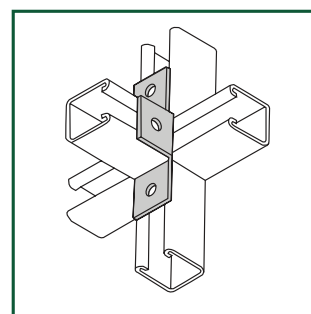
SCHTF09
Corner Angle 2 Hole



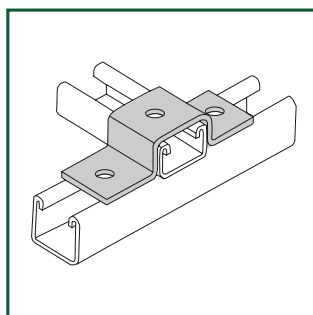
SCHTF10
Corner Angle 3 Hole



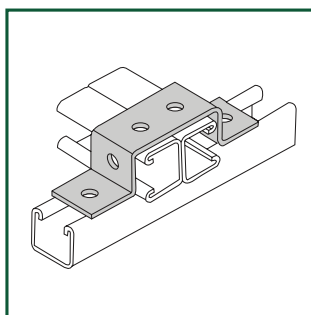
SCHTF11
Corner Angle 4 Hole



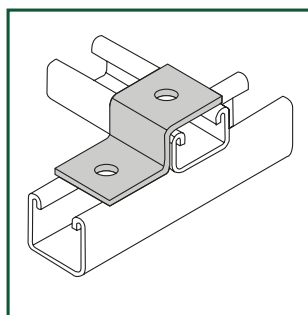
SCHTF12
Tee Angle



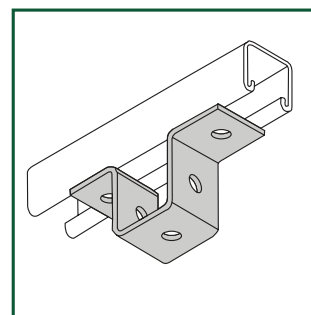
SCHTF13
U Clamp for 41 x 21 channel



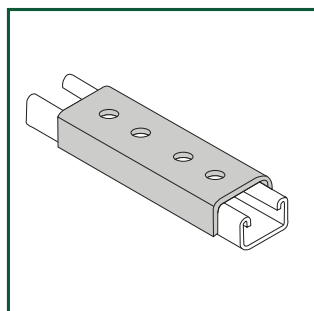
SCHTF14
U Clamp for BTB 41 x 41 channel



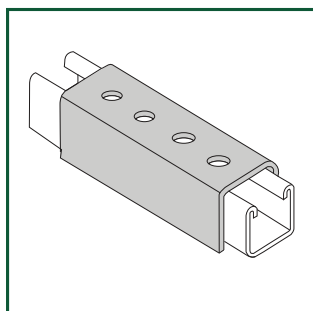
SCHTF15
Z Support



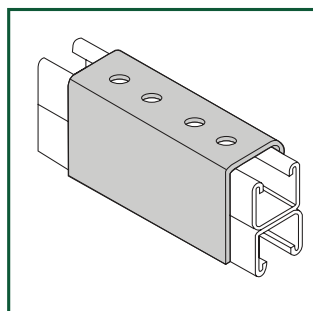
SCHTF16
5 Hole U Support



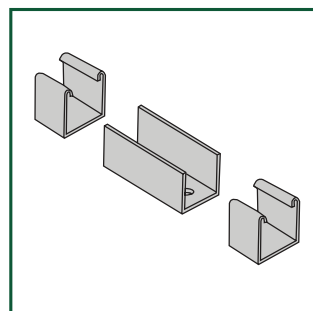
SCHTF17
4 Hole External Connector



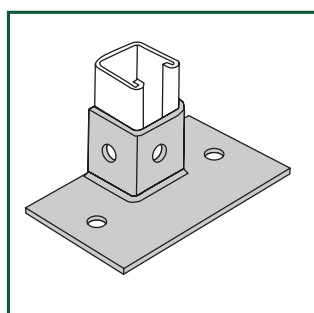
SCHTF18
U connector for 41 x 41 channel



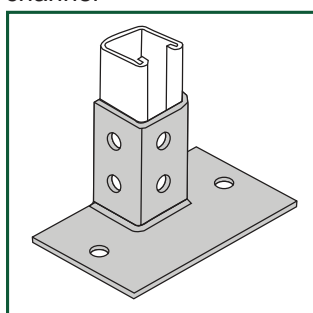
SCHTF19
U connector for BTB 41 x 41 channel



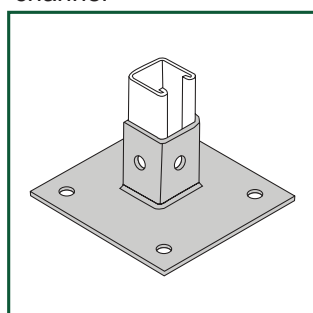
SCHTF20
Strut Connector



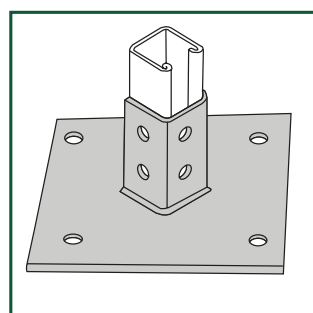
SCHTF21
3 Hole base post for 41 x 21



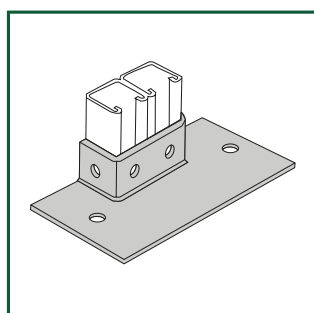
SCHTF22
6 hole base post for 41 x 41



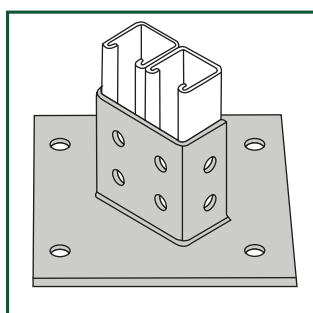
SCHTF23
3 Hole base post for 41 x 41



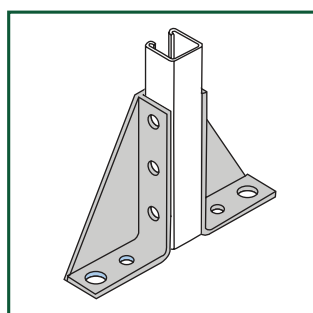
SCHTF24
6 Hole Base Post for 41 x 21



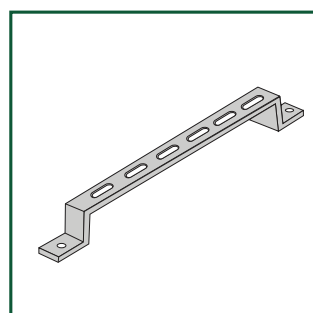
SCHTF25
6 Hole Double Channel base post



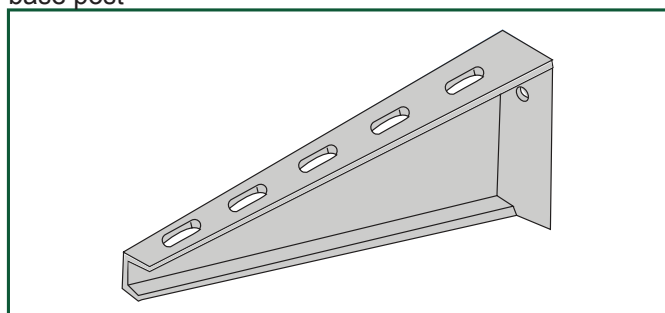
SCHTF26
BTB High base post



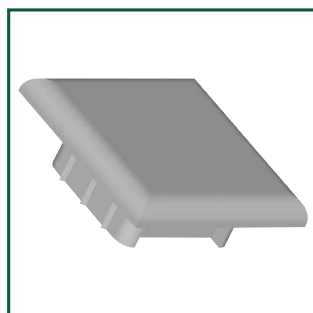
SCHTF27
Stiffener base



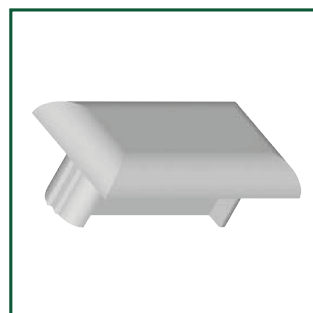
SCHTF28
Floor Bracket



SCHTF29
Cantilever arm



SCHTF30
End cap 41 x 41



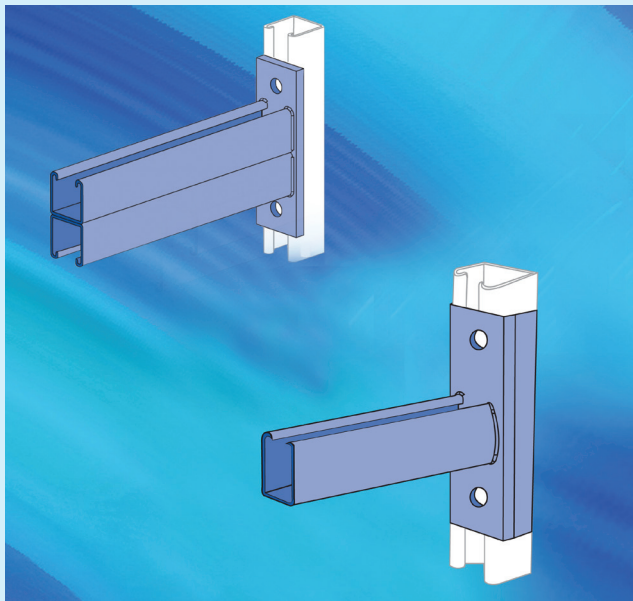
SCHTF31
End cap 41 x 21

CANTILEVER BRACKETS

Cantilever Brackets are manufactured in accordance to the relevant requirements of BS 6946. The specified loadings are worked out considering a safety factor of 2.

The standard finish for the Stanchion product is Hot Dipped Galvanised to BS EN 1461. Other finishes are available on request.

All dimensions are in mm unless otherwise stated.



CANTILEVER ARMS					
Product	Wall Backing	Arm(mm)	Wt/100 pcs kg	Uniform Load Kg	Product Reference
Single Channel	120mm	155	34	534	SCLA155S
Single Channel	120mm	310	134	271	SCLA310S
Single Channel	120mm	460	182	182	SCLA460S
Single Channel	120mm	610	231	135	SCLA610S
Back to Back	150mm	310	230	910	SCLA310D
Back to Back	150mm	460	314	585	SCLA460D
Back to Back	150mm	610	400	451	SCLA610D
Back to Back	150mm	760	490	350	SCLA760D
Back to Back	150mm	910	570	290	SCLA910D



Hot Dip Galvanising

The Key advantages of hot dip galvanising are as follows

- Low maintenance demands
- Extensive life cycle compared to Epoxy
- No structural down time
- Improved bonding
- Not necessary to do field painting during installation

The Comparison



Zinc Coated Sheet Steel



Damaged / Disrupted coating of Zinc



Cathodic Protection Properties of Zinc ensures that underlying steel does not corrode



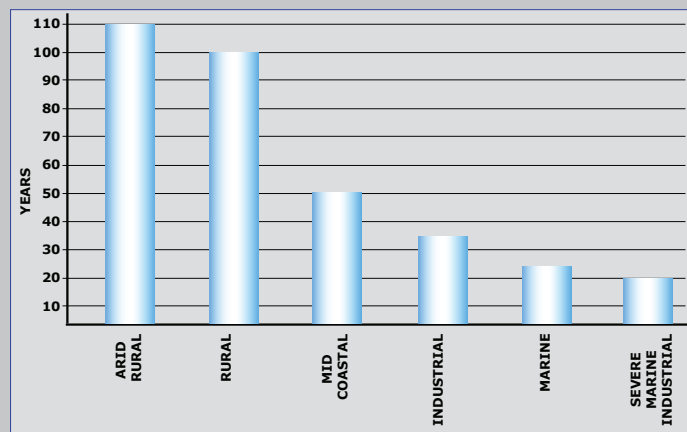
Painted Sheet Steel

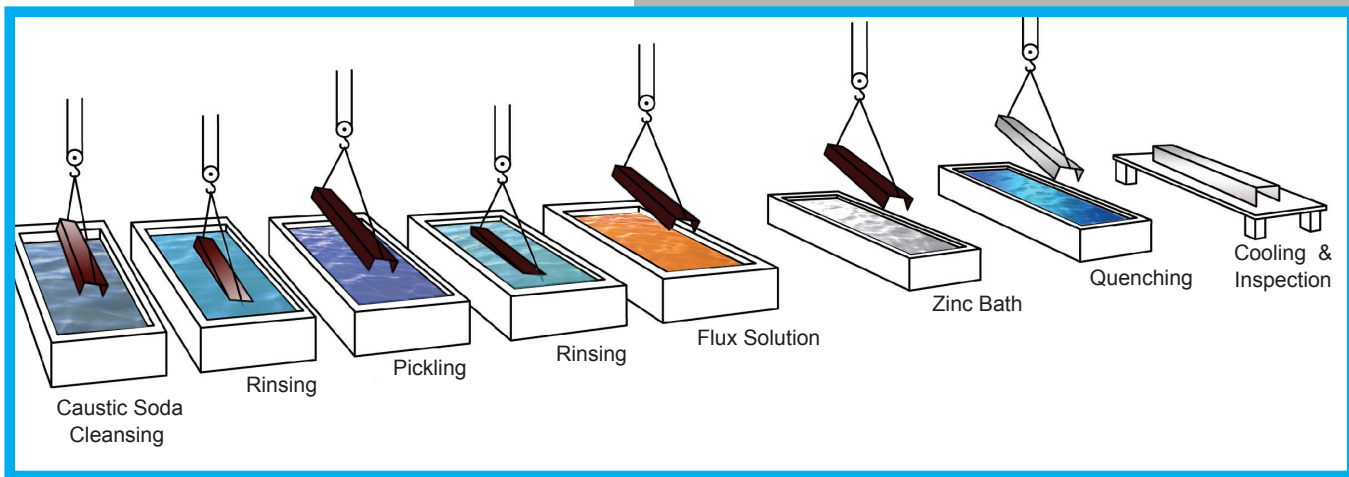


Damaged / Disrupted coating of Paint



Corrosion commences due to exposure of steel





Caustic Soda Cleansing

Caustic Soda is used to cleanse the object intended to be cleansed, and grease, oil and grime are removed from the surface.

Rinsing

Excess Caustic Soda salts and deposits are removed from the surface of the object.

Pickling

Pickling is carried out by rinsing in Hydrochloric Acid. This removes the rust that could be present on the surface of the object.

Rinsing

The pickling process results in acid salts being deposited on the surface of the object. Rinsing washes out possible acid salt deposits.

Flux Solution

The object is dipped in flux solution which is typically comprised of zinc ammonium chloride and film flux.

Zinc Bath

The dried object is immersed in molten zinc, that's heated to a temperature in excess of 450 deg centigrade. Thicker and heavier objects are dipped for longer duration

Quenching

Quenching is the process where the zinc coated object is immersed in water to ensure the solidification and metallurgical bonding of zinc on the surface of the object.

Cooling & Inspection

The Zinc Coated object is inspected for sharp edges, and inconsistencies in Zinc Coating. The object is touched up or reworked to ensure a perfectly consistent coating that lasts.



Material Technical Data

TECHNICAL DATA: Equivalent Standards

Materials/Finish	BS	ASTM	JIS	DIN
Hot rolled steel (HR)	10149	A 1011	G 3131	
Cold rolled steel (CS)	10130	A 366	G 3141	1623
Pre galvanized steel	10142	A 653	G 3302 17162	
Electro galvanized steel	10152	A 591	G 3313	17163
Stainless Steel	10088	A 240	G 4304	17400
Hot dip galvanizing	1461	A 123	-	50976
Powder coating	3900	-	-	-
Zinc electroplating after fabrication	12329	B633	-	50961

REFERENCE STANDARDS:

Cable Trunking Steel Underfloor	BS 4678-2:1973
Cable Trunking Steel Surface	BS 4678-1:1971
Specification for tolerances on dimensions, shape and mass for hot rolled steel plates 3mm thick or above	BS EN 10029:1991
Metallic cable tray systems	NEMA VE-1:1991/BS 61357
Metal cable tray installation guidelines	NEMA VE-2:1991/BS 61357
Quality management systems requirements	BS EN ISO 9001:2008

Hot dip galvanizing finishes to BS EN ISO 1461:1991

The hot dip galvanized process provides a continuous layer of zinc-alloys on the surface of the products manufactured in steel. The hot dip zinc coating provides a continuous barrier to moisture and other containments, thereby protecting the steel substrate.

During the galvanizing process, a layer of zinc-iron alloy develops on the surface of the steel product. When the steel product is withdrawn from the zinc bath, a layer of pure zinc is left on the zinc-iron alloy.

The layer of zinc gives a newly galvanized item a bright finish.

This bright finish will gradually fade as the surface layer of zinc oxidizes, leaving a uniform dull grey appearance.

The average amount of zinc which can be deposited on a product is expressed in terms of thickness and is measured in microns. The actual zinc coating thickness will vary depending on the thickness of steel, the chemical composition of steel, and the period of immersion within the zinc bath.

BS EN ISO 1461 specifies a number of thickness ranges for products to be galvanized, each of which has a specified minimum average local reading and minimum mean average reading. See the attached table with details below.

Galvanizing Coating Details

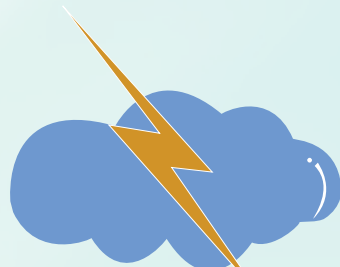
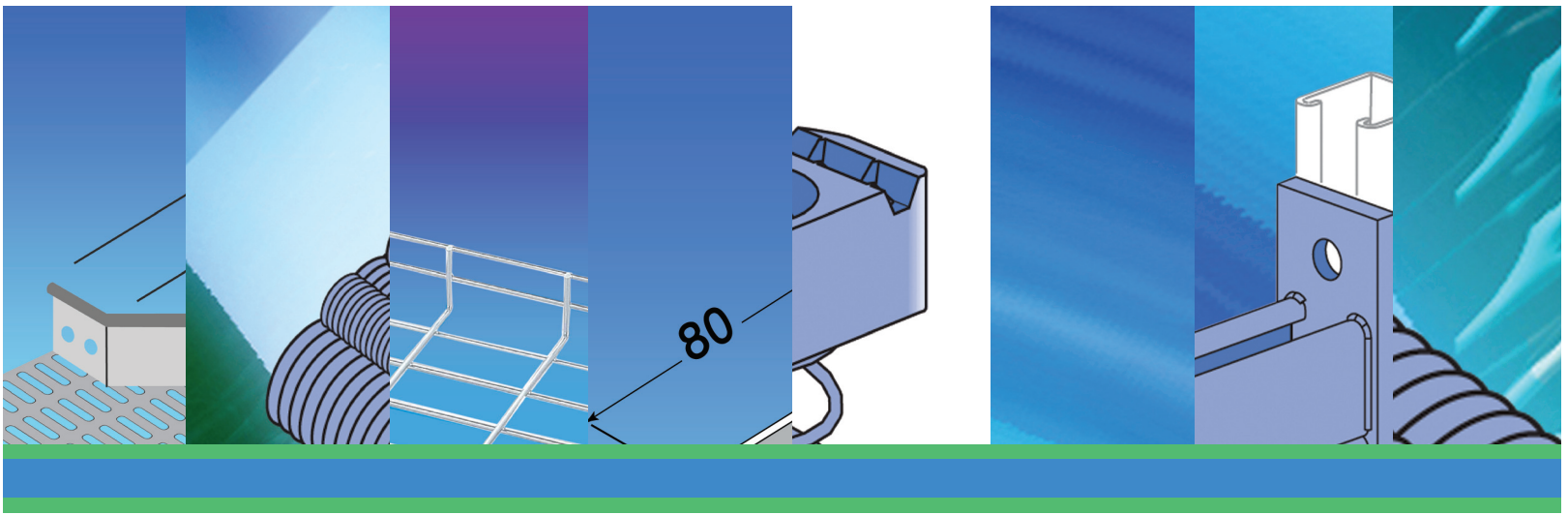
Zinc Coating Details as per BS EN ISO 1461:1991 Coating Weight & Thickness- Dipped Articles

Articles and thickness	Local coating		Mean coating	
	(Minimum)		Minimum	
	g/m2	microns	g/m2	microns
steel $\geq$ 6mm	505	70	610	80
Steel 3mm $\geq$ t < 6mm	395	55	505	70
Steel 1.5mm $\geq$ t < 3mm	325	45	395	55
Steel t < 1.5mm	250	35	325	45
Casting $\geq$ 6mm	505	70	575	80
Casting < 6mm	430	60	505	70



Notes:

The coating weight per unit area of the surface is given in terms of g/m² of surface. If the coating thickness is required, the following conversion factor should be in use, which assumes the density of the coating to be 7 g/cm³. 1 g/cm² = 0.14 microns (305 g/m² = 1 oz/ft² = 43 microns = 0.0017in)



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