

BA'AMER
ELECTRIC

(A DIVISION OF BA'AMER TRADING & CONT. EST)

CABLE MANAGEMENT SYSTEM

Ba'amer Electric, A Division of **Ba'amer Trading & Cont.Est.** was established in 1988 to offer advanced technological products together with specialized services and organizational expertise required for the following sectors:

- Power Generation & Water Desalination Plants.
- Oil & Gas Production Facilities.
- Food, Chemical, Petrochemical & Other Industries.
- Building & Commercial Sectors.

Ba'amer Electric based in Jeddah with branch sales offices in Riyadh & Dammam and Distributor network throughout the Kingdom. Our objectives are to actively serve and contribute the development of the region by providing quality products and services on various project development activities.

Our manufacturing facility, which covers an area of 120,000 Sq. feet, is located at 2nd Industrial City, Jeddah.

We offer our own in-house manufactured quality Steel Support System. This catalogue provides our product range of **Cable Trays**, **Cable Ladders**, **Trunking**, **Channels** and **Support Systems**. Also, we can produce items of special specifications or dimensions not shown in the catalogue.

We are committed to quality and reliable deliveries with our highly trained specialist staff working as a team offering you a personal service. Also, technical assistance in all aspects of product specification and standard, complete liaison with customers and quality assurance.

Latest machinery, including CNC, and technology are in use for the fabrication, punching, shearing, bending, cutting etc.

Our manufacturing facility is Integrated with a full-fledged Hot Dip Galvanizing and Powder Coating Plant.



CABLE MANAGEMENT SYSTEM

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• LADDER TYPE CABLE TRAY:

A prefabricated metal structure consisting of two longitudinal side rails connected by individual transverse members. The basic types of ladders are :

1. Tubular type cable ladder with tubular rungs connected by swaging which meets NEMA VE -1 standards.
2. Welded type cable ladder with C-type rungs connected by welding
3. Riveted type cable ladder with C-type rungs connected by bolts and nuts, which meets IEC-61537 standards in all aspects.

• PERFORATED TYPE CABLE TRAY:

A high quality prefabricated metal , cost effective structure consisting of ventilated bottom and returned flanged sides to protect cables from extreme heat .

The basic types of trays are :

1. Inside return flange
2. Outside return flange
3. Without flange

• CHANNEL TYPE CABLE TRAY:

A prefabricated metal structure consisting of a one-piece ventilated bottom with 50mm diameter or solid bottom channel section, or both, not exceeding 150mm in width.

• CORRUGATED BOTTOM CABLE TRAY:

A prefabricated metal structure consisting of a corrugated solid or ventilated bottom plate with two longitudinal top stiffened flanged side rails.

• TRUNK DUCT CABLE TRAY:

A prefabricated metal structure consisting of a solid bottom plate with cover.

• CABLE TRAY SYSTEM:

An assembly of cable tray straight section, fitting, and accessories that forms a rigid structural system to support cables.

• VENTILATED BOTTOM:

A cable tray bottom having openings sufficient for the passage of air and utilizing 75 percent or less of the plan area of the surface to support cables.

• STRAIGHT SECTION:

A length of cable tray which has no change in direction or size.

• CABLE TRAY FITTING:

A device which is used to change the direction, elevation or size of a cable tray system with certain radii (900mm,600mm,300mm) or (36",24",12").

The basic types of cable tray fittings are:

1. Horizontal bend (elbow) :

A cable tray fitting which is suitable for joining cable trays in two directions at 90 or 45 degree intervals in the same plane

2. Vertical bend (riser):

A cable tray fitting which changes direction at 90 or 45 degree intervals to a different plane. An inside vertical elbow changes direction upward from the horizontal plane. An outside vertical elbow changes direction downward from the horizontal plane.

3. Horizontal Tee:

A cable tray fitting which is suitable for joining cable trays in three directions at 90, 45 degree intervals in the same plane.

4. Horizontal Cross:

A cable tray fitting which is suitable for joining cable trays in four directions at 90-degree intervals in the same plane.

5. Reducer: A cable tray fitting which is suitable for joining cable trays of different widths in the same plane.

- A straight reducer has two symmetrical offset sides.
- A right-hand reducer, when viewed from the large end, has a straight side on the right.
- A left-hand reducer, when viewed from the large end, has a straight side on the left.

• ACCESSORIES:

Devices which are used to supplement or join the function of straight sections and fittings, and include such items as



1. Cable tray connector:

A device which joins cable tray straight sections or fittings, or both.

The basic types of connectors are:

- Universal connector
 - Expansion connector
 - Horizontal adjustable connector
 - Vertical adjustable connector
 - 90 Deg angle connector
 - Box connector
 - Reducing connector
-
2. Blind end
 3. Dropouts
 4. Covers (plain and louvered)
 5. Hold-down devices
 6. Expansion guide devices
 7. Vertical hold-down device
 8. Barrier strip
 9. Barrier strip clamp

• CABLE SUPPORT:

A device which provides adequate means for supporting cable tray sections or fittings, or both.

The basic types of cable tray supports are:

1. U-channels
2. Concrete insert
3. Cantilever arms
4. Wall brackets
5. Fixing brackets
6. Base and head plates

APPLICATIONS

1. COMMERCIAL

- Schools
- Hospitals
- Office Buildings
- Air ports
- Stadiums

2. INDUSTRIAL

1. Petro-Chemical Plants
2. Automotive Plants
3. Paper Plants
4. Airports Food Processing
5. Power Plants
6. Refineries
7. Manufacturing
8. Mining

1. CABLE TRAY SELECTION PROCESS

Some decisions must be made before a cable tray system can be specified as described in the following steps:

1. Select Material and Finish

Materials: Based on installation environment (corrosion and electrical considerations) and cost, Ba'amer Electric Cable Tray Systems are fabricated from a corrosion-resistant metal (low-carbon steel, stainless steel, aluminum alloy, or from a metal with a corrosion-resistant finish (zinc or epoxy)

- a) **Aluminum:** 6063 Aluminum series alloys (copper free) , because of its high strength-to-weight ratio, superior resistance to certain corrosive environments, ease of installation, maintenance free, non-magnetic, and minimum electrical losses. These alloys contain silicon and magnesium in appropriate proportions to form magnesium silicate, allowing them to be heat treated. These magnesium silicon alloys possess good formability and structural properties, as well as excellent corrosion resistance.
- b) **Steel:** Steel cable tray has a high strength and low cost. Disadvantages include high weight, low electrical conductivity and relatively poor corrosion resistance. The rate of corrosion will vary depending on many factors such as the environment, coating or protection applied and the composition of the steel. Finishes and coatings are required to improve the corrosion resistance of steel. These include pre-galvanized, hot dip galvanized (after fabrication), epoxy and special paints.
- c) **Stainless Steel:** Stainless steel offers high yield strength and high creep strength, at high ambient temperatures. Stainless steel cable tray is roll-formed from AISI Type 304, 316, 316L stainless steel. Stainless Steel is resistant to dyestuffs, organic chemicals, and inorganic chemicals at elevated temperatures. Higher levels of chromium and nickel and a reduced level of carbon serve to increase corrosion resistance and facilitate welding. Type 316 includes molybdenum to increase high temperature strength and improve corrosion resistance, especially to chloride and sulfuric acid. Carbon content is reduced to facilitate welding.

Finishes

a) Galvanized Coatings

Galvanizing coating protects against environmental chemicals, and is self-healing if an area becomes unprotected through cuts or scratches. Steel is coated with zinc through electrolysis by dipping steel into a bath of zinc salts. A combination of carbonates, hydroxides and zinc oxides forms a protective film to protect the zinc itself. Resistance to corrosion is directly related to the thickness of the coating and the harshness of the environment.

b) Pre-Galvanized

Pre-galvanized, also known as mill-galvanized or hot dip mill-galvanized, is produced in a rolling mill by passing steel coils through molten zinc. These coils are then slit to size and fabricated. Areas not normally coated during fabrication, such as cuts and welds, are protected by neighboring zinc, which works as a sacrificial anode. During welding, a small area directly affected by heat is also left bare, but the same self-healing process occurs.

G90 requires a coating of .90 ounces of zinc per square foot of steel, or .32 ounces per square foot on each side of the metal sheet. In accordance with A653/A653M-06a, pre-galvanized steel is not generally recommended for outdoor use or in industrial environments.

c) Hot-Dip Galvanized

Hot dip galvanizing after fabrication provides a uniform coating of metallurgical bonded zinc - iron alloy layers, and pure zinc is produced to create a sacrificial coating that provides sufficient protection of steel against corrosion in accordance with ASTM 123 and BS EN 1461 specifications, Hot Dip Galvanizing is the most effective method for delivering long-term barrier and cathodic protection. The process is recommended for cable tray used in most outdoor environments and many harsh industrial environments applications.

d) Other Coatings: Epoxy and special paint coatings are available on request.

For many applications, however, you may also have to take the following into account:

- Weight of the installation
- Corrosion resistance of the material
- Galvanic effect
- Relative cost variation of metal
- Thermal expansion

CORROSION CLASSES

The corrosion classes table (Table no1) as per SS-EN ISO 12944-2 helps you to choose the suitable material for your application

Table 1

Corrosion Class	Environmental Corrosion	Examples of typical environments in temperate climates (Informative)		Recommended Min. Surface Treatment
		Outdoors	Indoors	Designations
C1	Very low		Heated areas with arid atmospheres and insignificant quantities of pollutant, e.g. offices, shops, schools and hotels.	Electro-galvanized
C2	Low	Atmospheres with low levels of airborne pollution. Rural areas.	Non-heated areas with fluctuating levels of temperature and humidity. Few instances of condensation and low levels of airborne pollution, e.g. sports halls and warehouses.	Pre-galvanized Z 275 In accordance with SS-EN 10327:2004
C3	Average	Atmospheres containing some salt or average levels of airborne pollution. Urban and light industrial areas. Areas affected by coastal conditions.	Areas with average levels of humidity and some airborne pollution resulting from production processes, e.g. breweries, dairies, laundries.	Hot dip galvanized after manufacture
C4	High	Atmospheres with average salt content or discernible levels of airborne pollution. Industrial and coastal areas.	Areas of high humidity and considerable airborne pollution experience as the result of production processes, e.g. chemical plants, swimming pools and dockyards.	Hot dip galvanized after manufacture in accordance with SS-EN ISO 1461
C5-I	Very high (industrial)	Industrial areas with high levels of humidity and aggressive atmospheres.	Areas with almost permanent condensation and large quantities of airborne pollution.	Zinkpox® Hot dip galv + powder coating Stainless steel SS2333 AISI 304
C5-M	Very high (marine)	Coastal and offshore areas with high salt content.	Areas with almost permanent condensation and large quantities of airborne pollution.	Stainless steel SS2348 AISI 316L

Mass losses for steel and zinc in various corrosion classes | Mass loss per surface unit and thickness reduction (1 year of exposure) 1

Table 2

Corrosion Class	STEEL		ZINC	
	Mass loss, g/m2 (oz/ft2)	Thickness Reduction (um)	Mass Loss, g/m2 (oz/ft2)	Thickness Reduction (um)
C1	< 0.03 (10)	< 1.3	< 0.0015 (0.7)	< 0.1
C2	> 0.03 (10) to 0.65 (200)	> 1.3to25	> 0.0015 (0.7) to 0.015 (5)	> 0.1to0.7
C3	> 0.65 (200) to 1.3 (400)	> 25 to 50	> 0.15 (5) to 0.049 (15)	> 0.7 to 2.1
C4	> 1.3 (400) to 2.1 (650)	> 50 to 80	> 0.049 (15) to 0.01 (30)	> 2.1 to 4.2
C5-I	> 2.1 (650) to 4.9 (1500)	> 80 to 0.65	> 0.01 (30) to 0.02 (60)	> 4.2 to 8.4
C5-M	> 2.1 (650) to 4.9 (1500)	> 80 to 0.65	> 0.01 (30) to 0.02 (60)	> 4.2 to 8.4

1 Corrosion is generally faster when the material is first exposed

2. SELECTING THE TRAY LOAD CLASS



Design Efficiency

A tray designed to perform its required function with the minimum weight (which facilitates installation) requires the material to be used in the most effective manner. The design requirements of side rails are different from those of rungs or ventilated bottom; fabricated tray allows the designer to use different shapes and thicknesses of metal to the best advantage. The strength of the side rail and rungs is increased by the proper use of metal in the high strength heat treated aluminum or continuously rolled cold-worked steel sections.

Loading

It is important to note that, per NEMA Standard VE1, cable tray is not designed to support personnel. The user should display appropriate warnings to prevent the use of cable tray as walkways.

Cable Loads

The cable load is the total weight, expressed in kg/m or lb/ft, of all the cables that will be placed in the cable tray.

Seismic Loads

It is now known that cable tray systems can withstand stronger earthquakes than previously thought. The tray itself and the support material are highly ductile, and the cables moving within the tray tend to dissipate energy. However, if you have specific seismic specifications for selected cable tray, please consult BA'AMER ELECTRIC to ensure your specifications are met.

3. SELECT THE TRAY TYPE

- a. Ladder – Tubular, welded, and riveted Ladders tray shall incorporate two side rails connected by lateral rungs or sheet. Rungs shall provide minimum 1e" bearing surface. For welded type ladder, eight types of rungs are available, depending on customer request as shown in page 17. Rungs shall be installed at 6", 9", 12" or 18" spacing. The rungs shall not be below the bottom of the side rail.
- b. Corrugated Bottom - Corrugated Bottom tray shall incorporate two side rails connected by solid or ventilated sheet.
- c. Perforated tray - Perforated tray shall incorporate ventilated sheet.
- d. Channel tray- Channel tray shall incorporate solid or ventilated sheet.
- e. Trunk duct tray- Channel tray shall incorporate solid sheet

4. SELECT THE TRAY SIZE

- a. Side rail Height
- b. Length
- c. Width -
- d. Thickness
- e. Radiuses for fittings

5. CONSIDER DEFLECTION

In each chapter you will find the technical specification tables / charts for each type individually.

ENGINEERING SPECIFICATION

CABLE TRAY

- Cable tray consists of straight sections, fittings and accessories per NEMA VE1- Cable tray must be listed by UL as equipment grounding conductor. There shall be no burrs, projections or sharp edges to damage the cable insulation.

MATERIAL

- **Aluminum** - All side rails and rungs shall be of extruded aluminum type 6063-T6. Side rails shall have a stiffener for reinforcement.
- **Pre-Galvanized Steel** - All side rails and rungs shall be of steel conforming to the requirements of ASTM A653/A653M-06a with G90 coating thickness. Side rail shall be reinforced with flanges.
- **Hot Dip Galvanized Steel** - All side rails and rungs shall be hot dip galvanized after manufacture per ASTM A123 providing a minimum thickness of 1.50 oz per ft.²
- **Stainless Steel** - All cable tray and accessories shall be of type AISI 304, AISI 316, and AISI 316 L stainless steel.
- **Covers and Accessories** - Covers shall be supplied to protect tray cable where needed. Appropriate hold downs shall be supplied to properly attach the covers to the tray.
- **Splice Plates** - Splice plates shall be designed to snap into tray side rail and shall be supplied with bolts and nuts

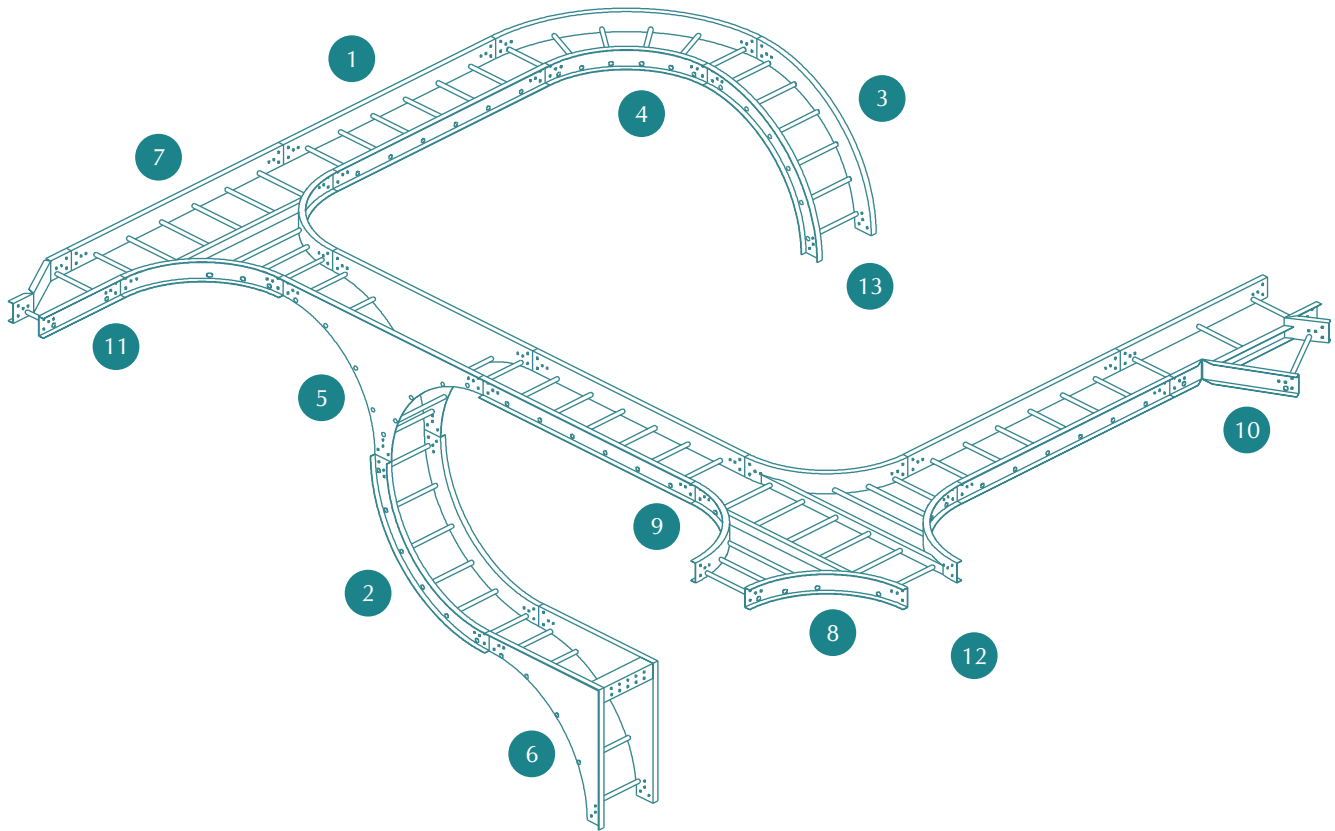
LOADING CAPABILITIES

- Cable tray shall meet specified NEMA/CSA load ratings with safety factor of 1.5.

The cable tray should also be able to support the loads as per the NEMA Standard table shown in the following

WORKING LOAD		SUPPORT SPAN		CLASS DESIGNATION
LBS / FT	KG / M	FEET	METER	
50	74.4	8	2.44	8A
75	111.6	8	2.44	8B
100	148.8	8	2.44	8C
50	74.4	12	3.66	12A
75	111.6	12	3.66	12B
100	148.8	12	3.66	12C
50	74.4	16	4.87	16A
75	111.6	16	4.87	16B
100	148.8	16	4.87	16C
50	74.4	20	6.09	20A
75	111.6	20	6.09	20B
100	148.8	20	6.09	20C

TUBULAR TYPE CABLE LADDER



1. Cable Ladder Straight
2. 90 Deg Inside Vertical Elbow
3. 90 Deg Outside Vertical Elbow
4. 90 Deg Horizontal Elbow
5. Vertical Tee
6. 90 Deg Vertical Cable Support Elbow
7. Horizontal Tee
8. Horizontal Cross
9. Universal Connector
10. Left Hand 'Y' Branch
11. Left Hand Reducer
12. Drop out
13. Blind End

Technical Specification Table

Physical Properties, Load and Deflection Data						Working (Allowed Load Capacity) Evenly Distributed Span (Ft.) - Simply Beam - Safety Factor : 1.5																					
NEMA Class Load per Spam		Load Depth	Height	Flange	Thickness	6ft. (1.8M)			8ft. (2.4M)			10ft. (3.1M)			12ft. (3.7M)			16ft. (4.9M)			20ft. (6.1M)						
						w	d	k	w	d	k	w	d	k	w	d	k	w	d	k	w	d	k				
8A	8=8'-0" A=50lb./ft. (74.4 kg / M)	76	108	21	1.2	292	0.23		164	0.42	0.003	103	0.63	0.006	69	0.89	0.013										
		102	133	21	1.2	383	0.18		210	0.31	0.001	127	0.46	0.004	83	0.62	0.007										
		127	159	21	1.2	357	0.11		194	0.18	+	119	0.28	0.002	79	0.38	0.005										
		152	184	21	1.2	420	0.09		227	0.16	+	139	0.22	0.002	92	0.30	0.003										
		76	108	21	1.2	292	0.23		164	0.42	0.003	103	0.63	0.006	69	0.89	0.013										
8B	B=75lb./ft. (111.6 kg / M)	102	133	21	1.2	383	0.18		210	0.31	0.001	127	0.46	0.004	83	0.62	0.007										
		127	159	21	1.2	357	0.11		194	0.18	+	119	0.28	0.002	79	0.38	0.005										
		152	184	21	1.2	420	0.09		227	0.16	+	139	0.22	0.002	92	0.30	0.003										
		76	108	21	1.2	292	0.23		164	0.42	0.003	103	0.63	0.006	69	0.89	0.013										
8C	C=100 lb./ft. (148.8 kg / M)	102	133	21	1.2	383	0.18		210	0.31	0.001	127	0.46	0.004	83	0.62	0.007										
		127	159	21	1.2	357	0.11		194	0.18	+	119	0.28	0.002	79	0.38	0.005										
		152	184	21	1.2	420	0.09		227	0.16	+	139	0.22	0.002	92	0.30	0.003										
12A	50 lb./ft. (74.4 kg / M) 12' span	76	108	21	1.2	292	0.23		164	0.42	0.003	103	0.63	0.006	69	0.89	0.013										
		102	133	21	1.2	383	0.18		210	0.31	0.001	127	0.46	0.004	83	0.62	0.007										
		127	159	21	1.2	357	0.11		194	0.18	+	119	0.28	0.002	79	0.38	0.005										
		152	184	21	1.2	420	0.09		227	0.16	+	139	0.22	0.002	92	0.30	0.003										
12B	75 lb./ft. (111.6 kg / M) 12' span	76	108	21	1.2	360	0.26		198	0.46	0.002	124	0.70	0.006	84	0.98	0.012										
		102	133	21	1.2	383	0.18		210	0.31	0.001	127	0.46	0.004	83	0.62	0.007										
		127	159	21	1.2	357	0.11		194	0.18	+	119	0.28	0.00	79	0.38	0.005										
		152	184	21	1.2	680	0.12		328	0.19	+	182	0.26	0.001	107	0.31	0.003										
12C	100 lb./ft. (148.8 kg / M) 12' span	76	108	21	1.5	453	0.27		249	0.47	0.002	156	0.71	0.005	106	1.00	0.009										
		102	133	21	1.2	456	0.20		244	0.33	0.001	152	0.51	0.003	103	0.71	0.007										
		127	159	21	1.5	460	0.11		250	0.19	+	154	0.29	0.002	103	0.40	0.004										
		152	184	21	1.2	680	0.12		328	0.19	+	182	0.26	0.001	107	0.31	0.003										
16A	50 lb./ft. (74.4 kg / M) 16' span	76	108	32	1.2				290	0.53	0.002	182	0.81	0.004	126	1.71	0.009	65	1.91	0.029							
		102	133	32	1.2				382	0.42	0.001	245	0.66	0.003	170	0.94	0.006	86	1.54	0.018							
		127	159	32	1.2				368	0.20	+	166	0.31	0.002	111	0.43	0.004	58	0.71	0.012							
		152	184	32	1.2				322	0.17	+	199	0.26	0.001	133	0.36	0.003	69	0.58	0.008							
16B	75 lb./ft. (111.6 kg / M) 16' span	76	108	32	1.5				381	0.56	0.001	244	0.88	0.004	169	1.27	0.008	88	2.08	0.024							
		102	133	32	1.2				382	0.42	0.001	245	0.66	0.003	170	0.94	0.006	86	1.54	0.018							
		127	159	32	1.2				426	0.31	+	259	0.46	0.002	171	0.62	0.004	86	0.99	0.012							
		152	184	32	1.2				322	0.17	+	199	0.26	0.001	133	0.36	0.003	75	0.63	0.008							
16C	100 lb./ft. (148.8 kg / M) 16' span	76	108	32	1.9				487	0.58	0.001	312	0.91	0.003	216	1.31	0.006	113	2.16	0.019							
		102	133	32	1.5				444	0.42	+	273	0.63	0.002	186	0.89	0.005	100	1.51	0.015							
		127	159	32	1.5				574	0.35	+	367	0.55	0.001	245	0.76	0.003	123	1.22	0.010							
		152	184	32	1.2				504	0.25	+	306	0.37	0.001	202	0.51	0.003	101	0.80	0.008							
20A	50 lb./ft. (74.4 kg / M) 20' span	76	108	32	1.5										169	1.27	0.008	88	2.08	0.024	52	2.98	0.057				
		102	133	32	1.5										186	0.89	0.005	100	1.51	0.015	53	1.94	0.037				
		127	159	32	1.5										245	0.76	0.003	123	1.22	0.010	66	1.59	0.024				
		152	184	32	1.5										178	0.38	0.002	93	0.62	0.007	55	0.91	0.017				
20B	75 lb./ft. (111.6 kg / M) 20' span	76	108	38	1.9										251	1.36	0.005	131	2.24	0.017	77	3.23	0.042				
		102	133	32	1.9										280	1.02	0.004	145	1.67	0.012	85	2.4	0.028				
		127	159	32	1.5										269	0.80	0.003	139	1.28	0.009	81	1.82	0.022				
		152	184	32	1.5										291	0.59	0.002	148	0.95	0.006	85	1.33	0.016				
20C	100 lb./ft. (148.8 kg / M) 20' span	76	108	38	2.5										316	1.26	0.004	164	2.06	0.013	100	3.09	0.013				
		102	133	38	1.9										304	1.00	0.003	157	1.00	0.010	100	2.5	0.025				
		127	159	32	1.9										296	0.79	0.003	152	0.79	0.008	105	1.91	0.018				
		152	184	32	1.9									379	0.66	0.002	191	0.66	0.005	102	1.37	0.013					

To Convert 1.5 Safety factor to 2.0 - Multiply w, d, k by 0.75

w = Allowable Working Load (Lbs/ft) to convert to kg/M multiply by 1.48

d = Deflection at Midspan (inches) to convert to mm multiply by 25.4

k = Deflection for each pound of load (inches)

+ = Deflection is less then 0.001 inches

Technical Specification Table

Physical Properties, Load and Deflection Data						Working (Allowed Load Capacity) Evenly Distributed Span (Ft.) - Simply Beam - Safety Factor : 1.5																	
NEMA Class Load per Spam		Load Depth	Height	Flange	Thickness	6ft. (1.8M)			8ft. (2.4M)			10ft. (3.1M)			12ft. (3.7M)			16ft. (4.9M)			20ft. (6.1M)		
						w	d	k	w	d	k	w	d	k	w	d	k	w	d	k	w	d	k
8A	8=8'-0" A=50lb./ft. (74.4 kg / M)	76	108	20.6	1.5	181	0.34	0.002	102	0.60	0.006	65	0.94	0.014	45	1.36	0.030						
		102	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016						
		127	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010						
		152	184	20.6	1.5	416	0.18	+	221	0.31	0.001	133	0.87	0.003	87	0.62	0.007						
8B	B=75lb./ft. (111.6 kg / M)	76	108	20.6	1.5	181	0.34	0.002	102	0.60	0.006	65	0.94	0.014	45	1.36	0.030						
		102	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016						
		127	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010						
		152	184	20.6	1.5	416	0.18	+	221	0.31	0.001	133	0.87	0.003	87	0.62	0.007						
8C	C=100 lb./ft. (148.8 kg / M)	76	108	20.6	1.5	181	0.34	0.002	102	0.60	0.006	65	0.94	0.014	45	1.36	0.030						
		102	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016						
		127	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010						
		152	184	20.6	1.5	416	0.18	+	221	0.31	0.001	133	0.87	0.003	87	0.62	0.007						
12A	50 lb./ft. (74.4 kg / M) 12' span	76	108	20.6	1.5	222	0.35	0.002	125	0.63	0.005	80	0.99	0.012	55	1.42	0.026						
		102	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016						
		127	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010						
		152	184	20.6	1.5	416	0.18	+	221	0.31	0.001	133	0.46	0.003	87	0.62	0.007						
12B	75 lb./ft. (111.6 kg / M) 12' span	76	108	20.6	2.0	354	0.45	0.001	191	0.76	0.004	117	1.14	0.010	78	1.57	0.020						
		102	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016						
		127	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010						
		152	184	20.6	1.5	416	0.18	+	221	0.31	0.001	133	0.46	0.003	87	0.62	0.007						
12C	100 lb./ft. (148.8 kg / M) 12' span	76	108	20.6	2.5	448	0.39	+	251	0.69	0.003	161	1.08	0.007	112	1.55	0.014						
		102	133	20.6	2.0	394	0.31	+	222	0.55	0.002	142	0.86	0.006	100	1.24	0.012						
		127	159	20.6	2.0	480	0.24	+	257	0.40	0.002	156	0.60	0.004	102	0.81	0.008						
		152	184	20.6	2.5	540	0.17	+	286	0.29	0.001	172	0.43	0.003	111	0.57	0.005						
16A	50 lb./ft. (74.4 kg / M) 16' span	76	108	20.6	2.5				251	0.69	0.003	161	1.08	0.007	112	1.55	0.014	51	2.26	0.044	25	2.75	0.110
		102	133	31.75	2.5				260	0.44	0.002	166	0.69	0.004	96	0.82	0.009	51	1.36	0.027	28	1.83	0.065
		127	159	31.75	2.0				273	0.37	0.001	155	0.51	0.003	101	0.69	0.007	51	1.10	0.022	24	1.28	0.053
		152	184	31.75	2.0				284	0.26	+	182	0.41	0.002	110	0.52	0.005	52	0.78	0.015	30	1.1	0.037
16B	75 lb./ft. (111.6 kg / M) 16' span	76	108	31.75	2.0				342	0.72	0.002	219	1.12	0.005	152	1.61	0.011	82	2.74	0.033	52	4.27	0.082
		102	133	31.75	3.0				349	0.51	0.001	223	0.80	0.004	155	1.15	0.016	79	1.85	0.023	51	2.89	0.057
		127	159	31.75	1.5				380	0.49	0.001	222	0.69	0.003	154	1.00	0.007	78	1.61	0.021	50	2.51	0.050
		152	184	38.1	1.5				377	0.32	+	241	0.50	0.002	149	0.64	0.004	78	1.06	0.014	50	1.65	0.033
16C	100 lb./ft. (148.8 kg / M) 16' span	76	108	31.75	2.5				444	0.71	0.002	284	0.70	0.002	188	1.53	0.008	106	2.73	0.026	65	4.07	0.063
		102	133	31.75	2.0				525	0.55	0.001	336	0.86	0.003	233	1.24	0.005	119	2.01	0.017	76	3.14	0.041
		127	159	44.45	2.0				481	0.41	+	308	0.64	0.002	215	0.92	0.004	121	1.63	0.013	77	2.55	0.033
		152	184	38.1	1.5				542	0.44	+	318	0.62	0.002	221	0.90	0.004	119	1.53	0.013	76	2.39	0.032
20A	50 lb./ft. (74.4 kg / M) 20' span	76	108	31.75	2.0										152	1.61	0.011	82	2.74	0.033	52	4.27	0.082
		102	133	31.75	3.0										155	1.51	0.007	79	1.85	0.023	51	2.89	0.057
		127	159	31.75	1.5										154	1.00	0.006	78	1.61	0.021	50	2.51	0.050
		152	184	38.1	1.5										221	0.90	0.004	119	1.53	0.013	76	2.39	0.032
20B	75 lb./ft. (111.6 kg / M) 20' span	76	108	38.1	2.0										224	1.53	0.007	120	2.59	0.022	77	4.05	0.053
		102	133	31.75	2.0										233	1.24	0.005	119	2.01	0.017	76	3.14	0.041
		127	159	44.45	2.0										215	0.92	0.004	121	1.63	0.013	77	2.55	0.033
		152	184	38.1	1.5										221	0.90	0.004	119	1.53	0.013	76	2.39	0.032
20C	100 lb./ft. (148.8 kg / M) 20' span	76	108	38.1	2.5										298	1.79	0.006	161	3.07	0.019	103	4.79	0.047
		102	133	31.75	2.5										290	1.35	0.005	156	2.30	0.015	100	3.59	0.036
		127	159	44.45	2.5										316	1.23	0.004	178	2.19	0.012	114	3.43	0.030
		152	184	50	2.0										313	0.93	0.003	176	1.66	0.009	113	2.59	0.023

To Convert 1.5 Safety factor to 2.0 - Multiply w, d, k by 0.75

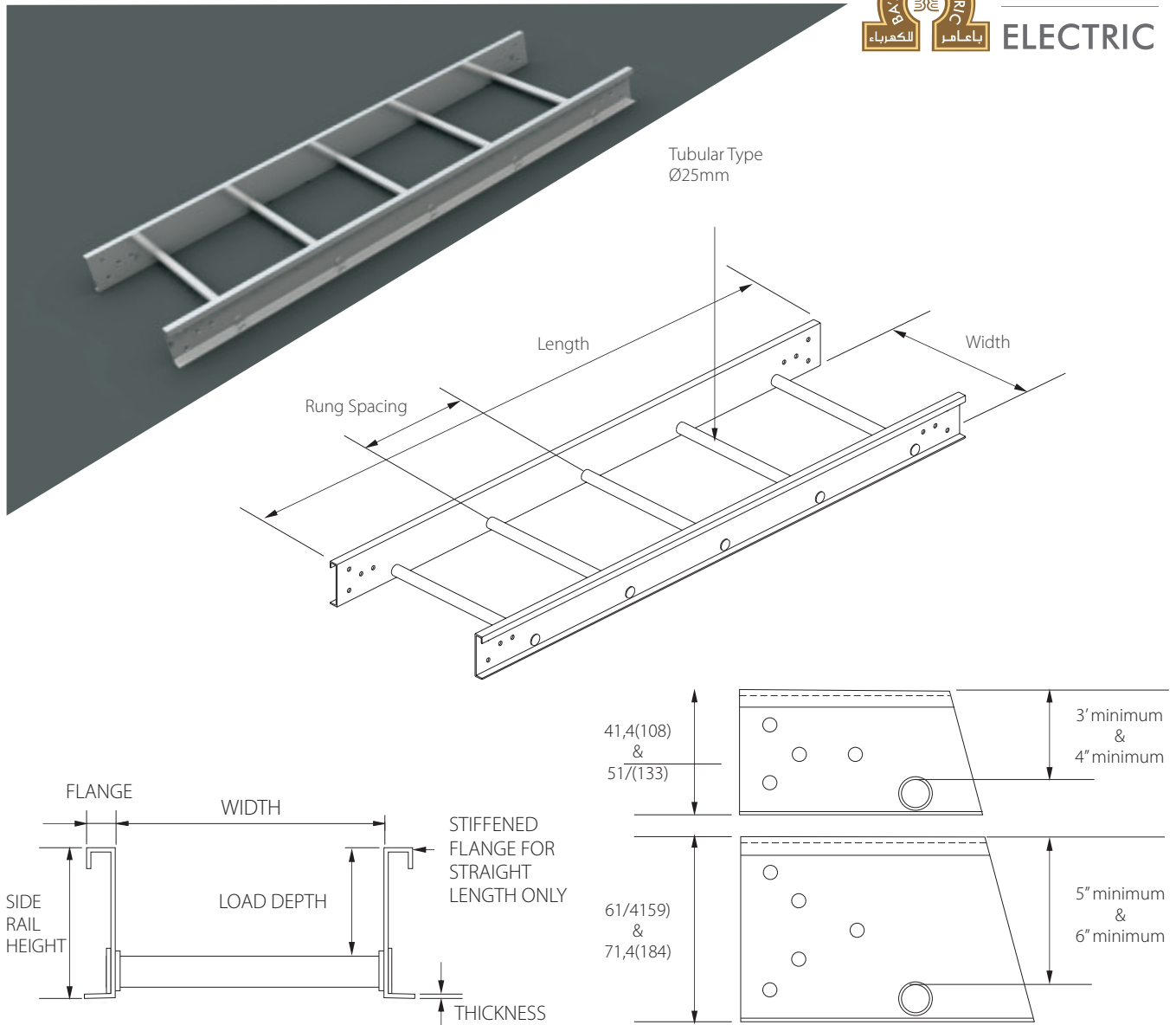
w = Allowable Working Load (Lbs/ft) to convert to kg/M multiply by 1.48

d = Deflection at Midspan (inches) to convert to mm multiply by 25.4

k = Deflection for each pound of load (inches)

+ = Deflection is less then 0.001 inches

Tubular Type Straight Cable Ladder



* Thickness as shown in specification tables

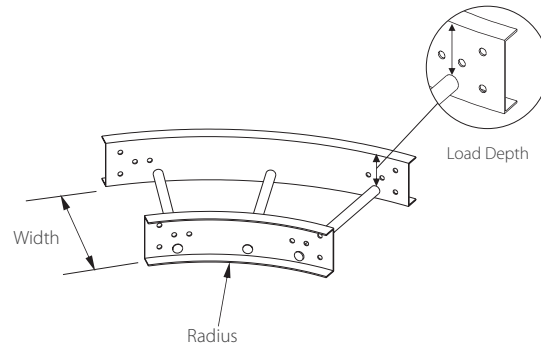
Tubular Type Cable Ladder	Material	Nema Class	Load Depth		Width		Rung Spacing		Length	
TL	S : Steel	08A	03	76mm	06	152mm	06	152mm	08	2440mm
		08B			09	229mm			10	3000mm
		08C	04	102mm	12	305mm	09	229mm	12	3700mm
	SS : Stainless Steel	12A			18	457mm			16	4900mm
		12B			24	610mm			20	6000mm
		12C			30	762mm			24	7300mm
		16A	05	127mm	36	914mm	18	457mm		
	A : Aluminum	16B								
		16C								
		20A								
TL	S	20B	06	152mm			18	457mm		
		20C								
TL	S	16A	06		36		229		6000	

▲ = to generate the Ba'amer product code follow this example : **TL-S-16A-06-36-229-6000**

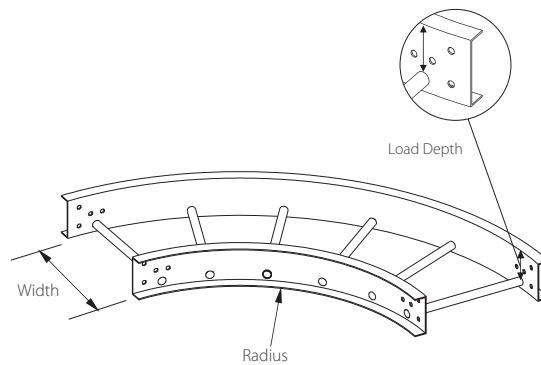
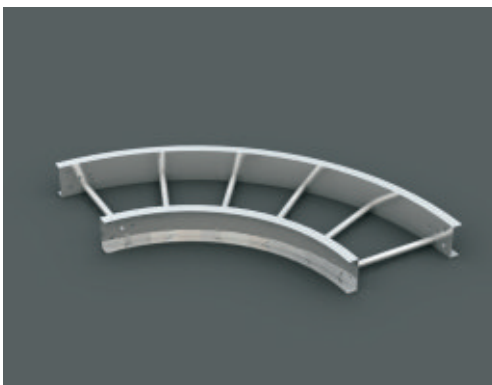
dimension in inch or mm and feet or mm for length

+ other sizes available on request

45 DEG HORIZONTAL ELBOW



90 DEG HORIZONTAL ELBOW



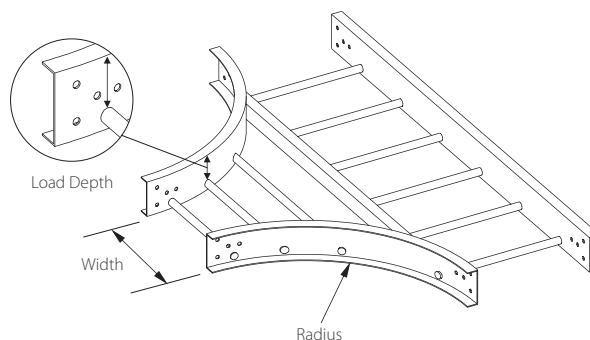
Tubular Fittings	Material	Radius		Width		Load Depth	
45THE: 45 Deg Tubular Horizontal Elbow	S : Steel	12	305mm	06	152mm	03	76mm
				09	229mm		
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm
				18	457mm		
90THE: 90 Deg Tubular Horizontal Elbow	A : Aluminum	36	914mm	24	610mm	05	127mm
				30	762mm		
				36	914mm	06	152mm
90THE	S	12		36		05	

▲ = to generate the Ba'amer product code follow this example : **90THE-S-12-36-05**

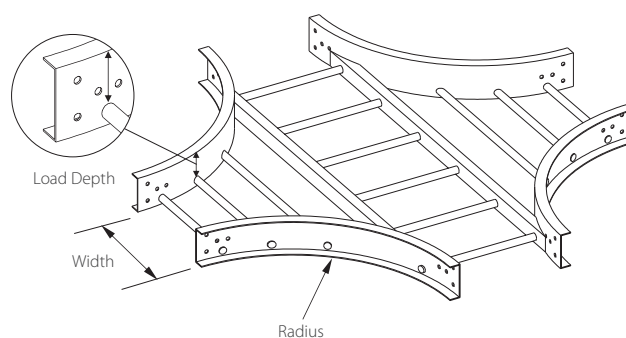
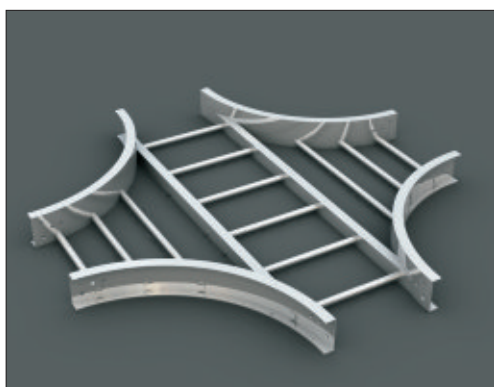
+ other sizes available on request

* dimension in inch or mm

HORIZONTAL TEE



HORIZONTAL CROSS



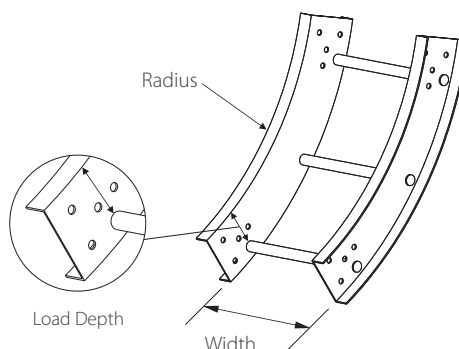
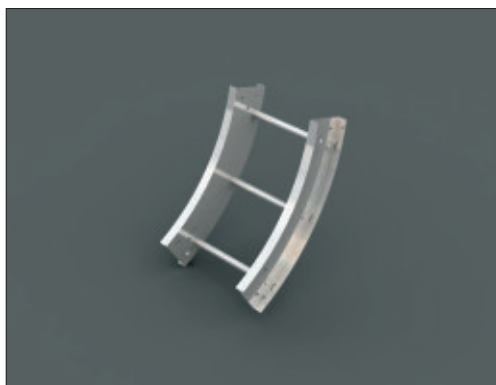
Tubular Fittings	Material	Radius		Width		Load Depth	
THT :Tubular Horizontal Tee	S : Steel	12	305mm	06	152mm	03	76mm
				09	229mm		
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm
				18	457mm		
THC :Tubular Horizontal Cross				24	610mm	05	127mm
	A : Aluminum	36	914mm	30	762mm	06	152mm
				36	914mm		
THC	S	12		36		05	

▲ = to generate the Ba'amer product code follow this example : **THC-S-12-36-05**

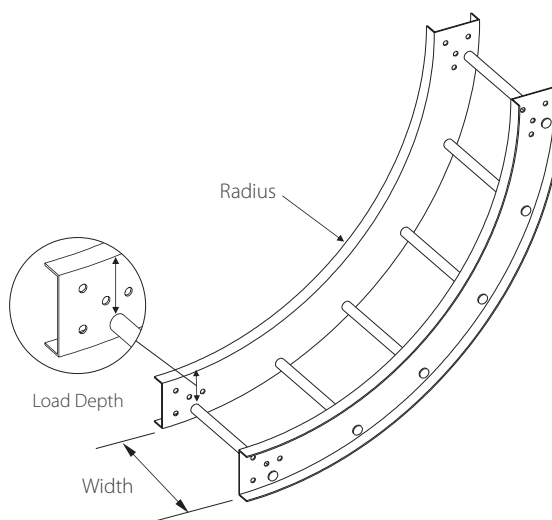
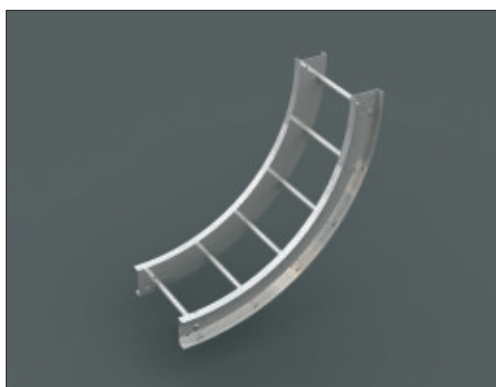
+ other sizes available on request

* dimension in inch or mm

45 DEG VERTICAL INSIDE ELBOW



90 DEG VERTICAL INSIDE ELBOW



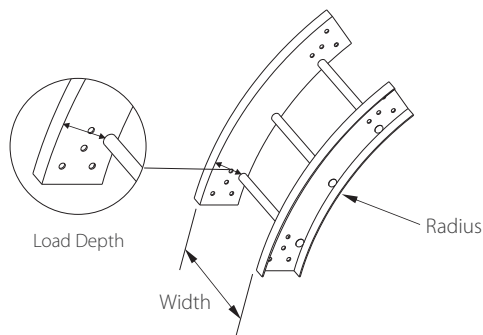
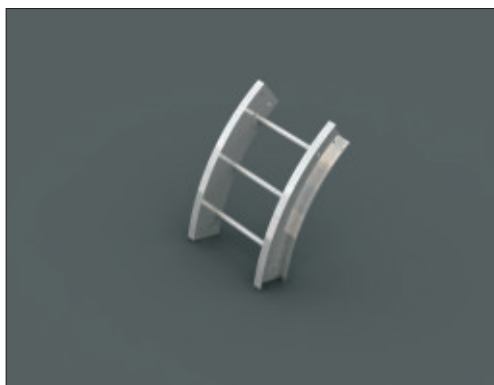
Tubular Fittings	Material	Radius		Width		Load Depth	
45TVIE: 45 Deg Tubular Vertical Inside Elbow	S : Steel	12	305mm	06	152mm	03	76mm
				09	229mm		
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm
				18	457mm		
90TVIE: 90 Deg Tubular Vertical Inside Elbow				24	610mm	05	127mm
	A : Aluminum	36	914mm	30	762mm	06	152mm
				36	914mm		
90TVIE	S	12		36		05	

▲ = to generate the Ba'amer product code follow this example : **90TVIE-S-12-36-05**

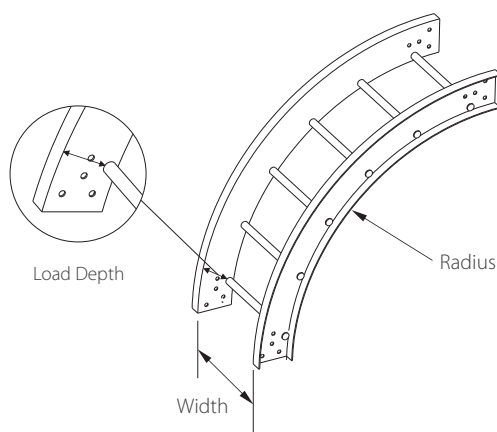
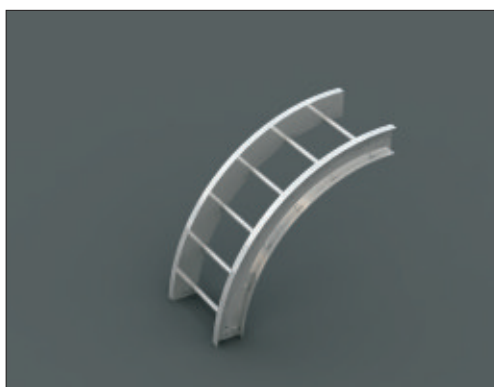
+ other sizes available on request

* dimension in inch or mm

45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



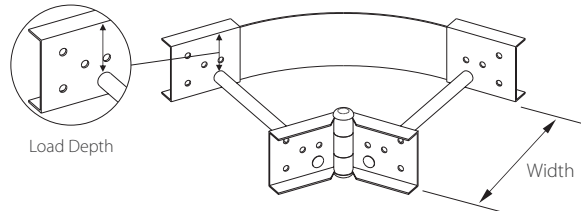
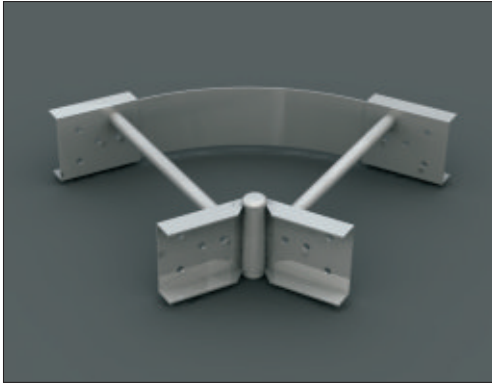
Tubular Fittings	Material	Radius		Width		Load Depth	
45TVOE: 45 Deg Tubular Vertical Outside Elbow	S : Steel	12	305mm	06	152mm	03	76mm
				09	229mm		
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm
				18	457mm		
90TVOE: 90 Deg Tubular Vertical Outside Elbow				24	610mm	05	127mm
	A : Aluminum	36	914mm	30	762mm	06	152mm
				36	914mm		
45TVOE	S	12		36		05	

▲ = to generate the Ba'amer product code follow this example : 45TVOE-S-12-36-05

+ other sizes available on request

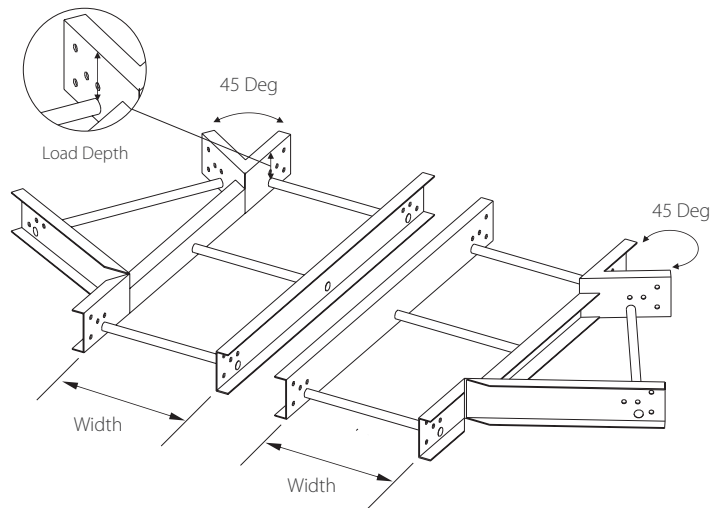
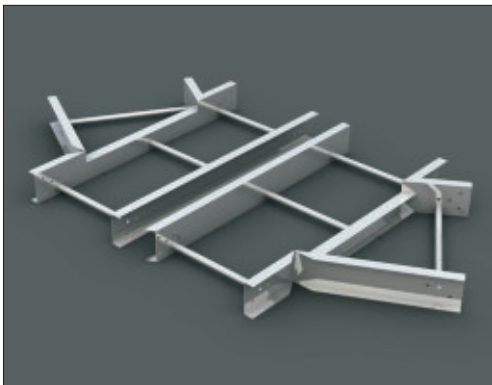
* dimension in inch or mm

HORIZONTAL ADJUSTABLE ELBOW



45 DEG RIGHT 'Y' BRANCH

45 DEG LEFT 'Y' BRANCH



Tubular Fittings	Material	Width		Load Depth	
THAE : Tubular Horizontal Adjustable Elbow	S : Steel	06	152mm	03	76mm
		09	229mm		
TRYB : 45 Deg Tubular Right Y Branch	SS : Stainless Steel	12	305mm	04	102mm
		18	457mm		
		24	610mm	05	127mm
TLYB : 45 Deg Tubular Left Y Branch	A : Aluminum	30	762mm	06	152mm
		36	914mm		
THAE	S	06		05	

▲ = to generate the Ba'amer product code follow this example : **THAE-S-06-05**

+ other sizes available on request

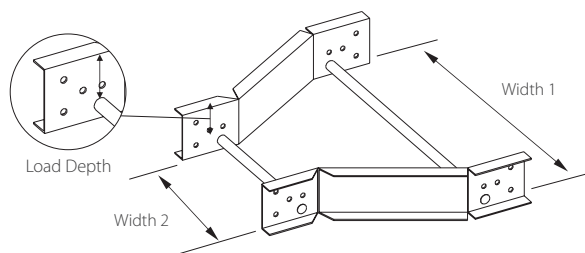
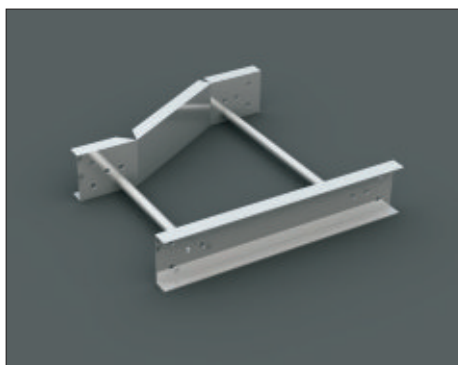
* dimension in inch or mm

Tubular Type Cable Ladder - Fittings

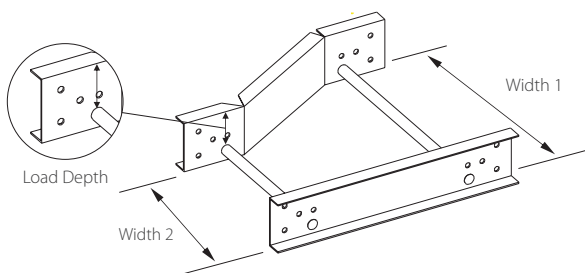


BA'AMER
ELECTRIC

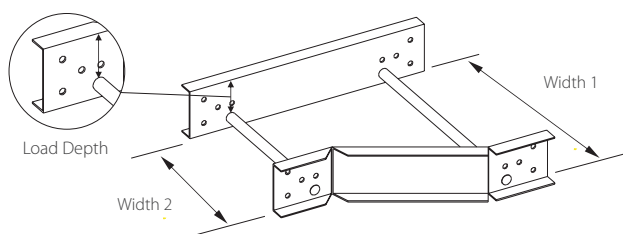
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER



Tubular Fittings	Material	Width 1		Width 2		Load Depth	
TSR : Tubular Straight Reducer	S : Steel	36	914mm	06	152mm	03	76mm
		30	762mm	09	229mm		
TLHR : Tubular Left Hand Reducer	SS : Stainless Steel	24	610mm	12	305mm	04	102mm
		18	457mm	18	457mm		
		12	305mm	24	610mm	05	127mm
TRHR : Tubular Right Hand Reducer	A : Aluminum	09	229mm	30	762mm	06	152mm
		06	152mm	36	914mm		
TRHR	S	36		06		05	

▲ = to generate the Ba'amer product code follow this example : **TRHR-S-36-06-05**

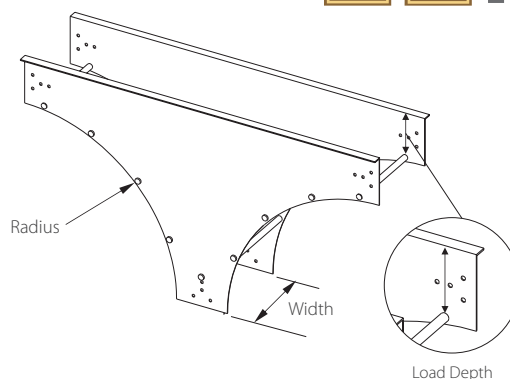
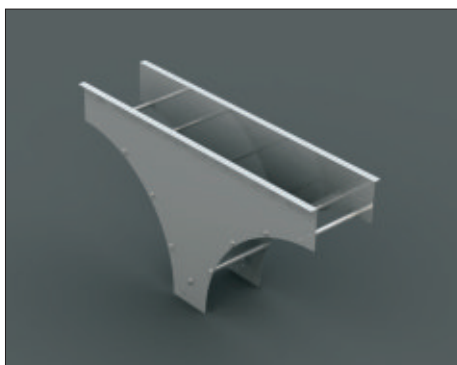
+ other sizes available on request

* dimension in inch or mm

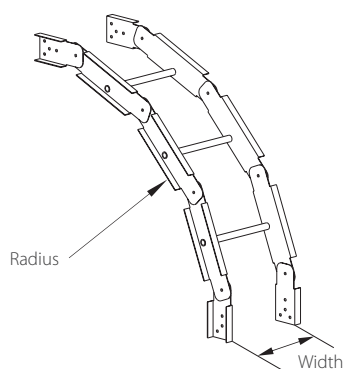
*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

Tubular Type Cable Ladder - Fittings

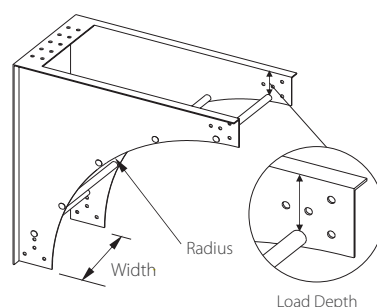
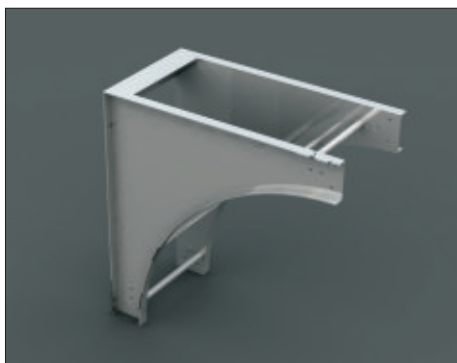
VERTICAL TEE



VERTICAL ADJUSTABLE ELBOW



VERTICAL SUPPORT ELBOW



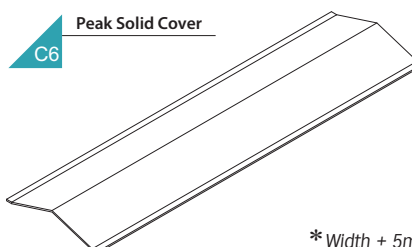
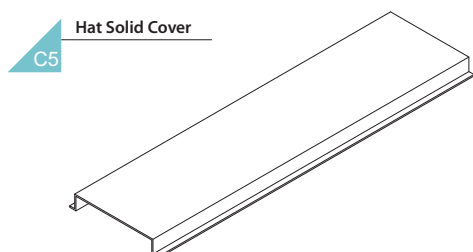
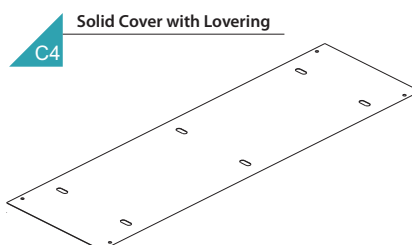
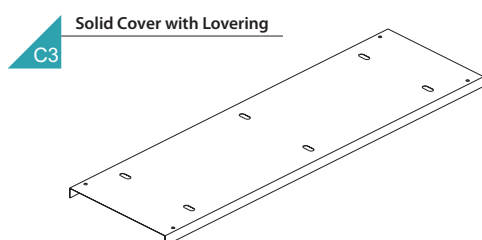
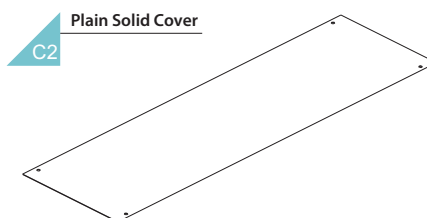
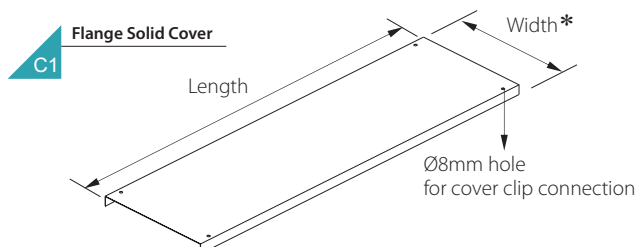
Tubular Fittings	Material	Radius		Width		Load Depth	
TVT: Tubular Vertical Tee	S : Steel	12	305mm	06	152mm	03	76mm
				09	229mm		
TVAE: Tubular Vertical Adjustable Elbow	SS : Stainless Steel	24	610mm	12	305mm	04	102mm
				18	457mm		
				24	610mm	05	127mm
TVSE: Tubular Vertical Support Elbow	A : Aluminum	36	914mm	30	762mm	06	152mm
				36	914mm		
TVT	S	12		36		05	

▲ = to generate the Ba'amer product code follow this example : TVT-S-12-36-05

+ other sizes available on request

* dimension in inch or mm

STRAIGHT LENGTH COVERS



*Width + 5mm for Inside Flange

*Width + 2F for Outside Flange

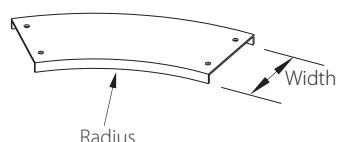
Tubular Type Cable Ladder Covers	Cover Type	Material	Width		Tray Flange Width (mm)		Length	
TL	C1	S : Steel	6	152mm	21	For Steel and Stainless Steel	8	2440mm
	C2		9	229mm	32		10	3000mm
	C3	SS : Stainless Steel	12	305mm	38		12	3700mm
	C4		18	457mm	20.6	For Aluminum Only	16	4900mm
	C5	A : Aluminum	24	610mm	31.75		20	6000mm
	C6		30	762mm	38.1		24	7300mm
			36	914mm	44.5			
					50			
TL	C1	S	12		32			6000

▲ = to generate the Ba'amer product code follow this example : TL-C1-S-12-32-6000

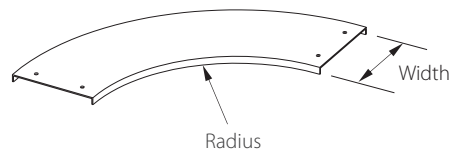
+ other sizes available on request

* dimension in Inch or mm and feet or mm for length

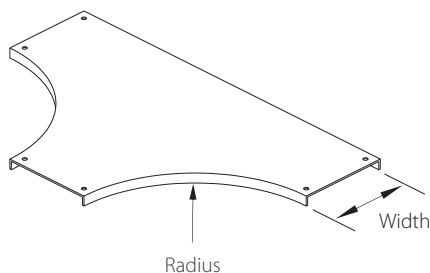
45 DEG HORIZONTAL ELBOW COVER



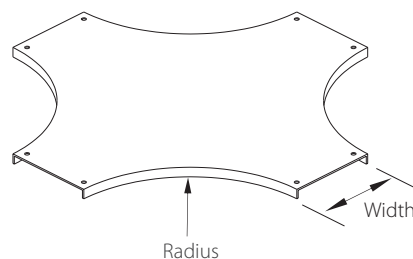
90 DEG HORIZONTAL ELBOW COVER



HORIZONTAL TEE COVER



HORIZONTAL CROSS COVER



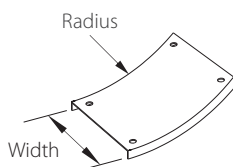
Tubular Type Cable Ladder Covers	Cover Type	Material	Radius		Width	
45THE: 45 Deg Tubular Horizontal Elbow	C1	S : Steel	12	305mm	6	152mm
90THE: 90 Deg Tubular Horizontal Elbow	C2	SS : Stainless Steel	24	610mm	12	305mm
THT: Tubular Horizontal Tee	C3				18	457mm
					24	610mm
THC: Tubular Horizontal Cross	C4	A : Aluminum	36	914mm	30	762mm
					36	914mm
45THE	C4	S	12		6	

▲ = to generate the Ba'amer product code follow this example : **45THE-C4-S-12-6**

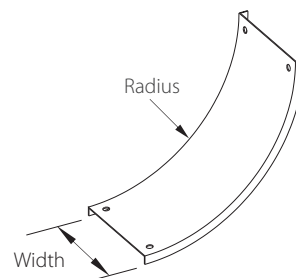
+ other sizes available on request

* dimension in inches or mm

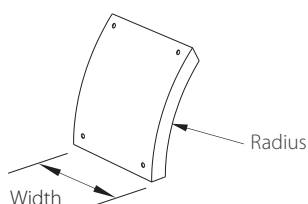
45 DEG VERTICAL INSIDE ELBOW



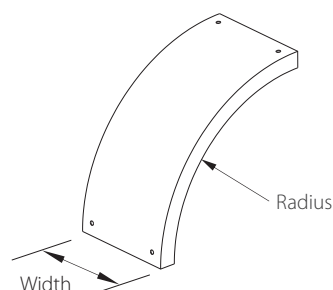
90 DEG VERTICAL INSIDE ELBOW



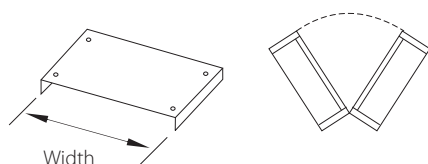
45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



HORIZONTAL ADJUSTABLE ELBOW



Tubular Type Cable Ladder Covers	Cover Type	Material	Radius		Width	
45TVIE: 45 Deg Tubular Vertical Inside Elbow	C1	S : Steel	12	305mm	6	152mm
90TVIE: 90 Deg Tubular Vertical Inside Elbow					9	229mm
45TVOE: 45 Deg Tubular Vertical Outside Elbow	C2	SS : Stainless Steel	24	610mm	12	305mm
90TVOE: 90 Deg Tubular Vertical Outside Elbow					18	457mm
THAE: Tubular Horizontal Adjustable Elbow	C3	A : Aluminum	36	914mm	24	610mm
					30	762mm
	C4				36	914mm
90TVIE	C2	S	24		6	

▲ = to generate the Ba'amer product code follow this example : 90TVIE-C2-S-24-6

+ other sizes available on request

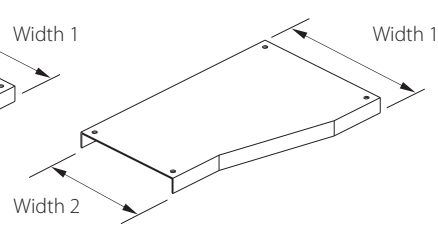
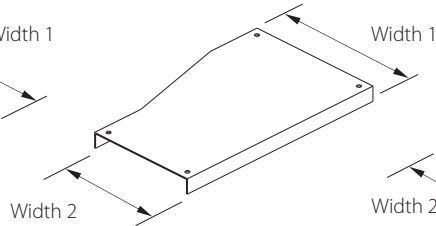
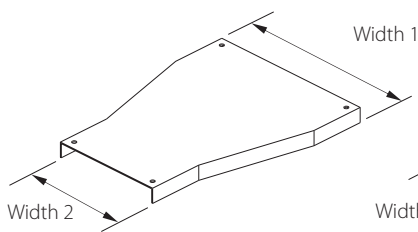
* dimension in inches or mm

Tubular Type Cable Ladder - Covers

STRAIGHT REDUCER

LEFT HAND REDUCER

RIGHT HAND REDUCER



Tubular Type Cable Ladder Covers	Cover Type	Material	Width 1		Width 2	
TSR: Tubular Straight Reducer	C1	S : Steel	36	914mm	6	152mm
			30	762mm	9	229mm
TLHR: Tubular Left Hand Reducer	C2	SS : Stainless Steel	24	610mm	12	305mm
			18	457mm	18	457mm
			12	305mm	24	610mm
TRHR: Tubular Right Hand Reducer	C3	A : Aluminum	9	229mm	30	762mm
			6	152mm	36	914mm
TRHR	C2	S	12		6	

▲ = to generate the Ba'amer product code follow this example : **TRHR-C2-S-12-6**

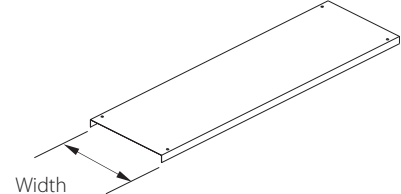
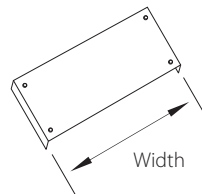
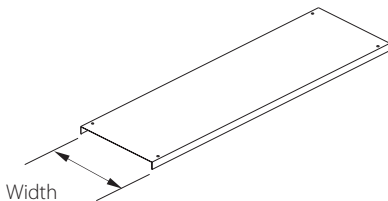
+ other sizes available on request

* dimension in inches or mm

VERTICAL TEE

VERTICAL ADJUSTABLE ELBOW

VERTICAL SUPPORT ELBOW



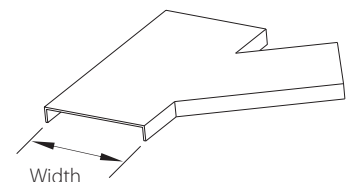
Tubular Type Cable Ladder Covers	Cover Type	Material	Width	
TVT: Tubular Vertical Tee	C1	S : Steel	6	152mm
			9	229mm
TVAE: Tubular Vertical Adjustable Elbow	C2	SS : Stainless Steel	12	305mm
			18	457mm
TVSE: Tubular Vertical Support Elbow	C3	A : Aluminum	24	610mm
			30	762mm
TRYB: 45 Deg Tubular Right Y Branch	C4		36	914mm
TLYB: 45 Deg Tubular Left Y Branch	C2	S	12	

▲ = to generate the Ba'amer product code follow this example : **TLYB-C2-S-12**

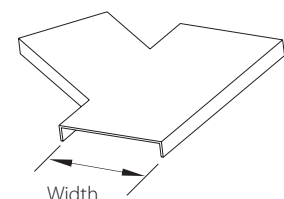
+ other sizes available on request

* dimension in inches or mm

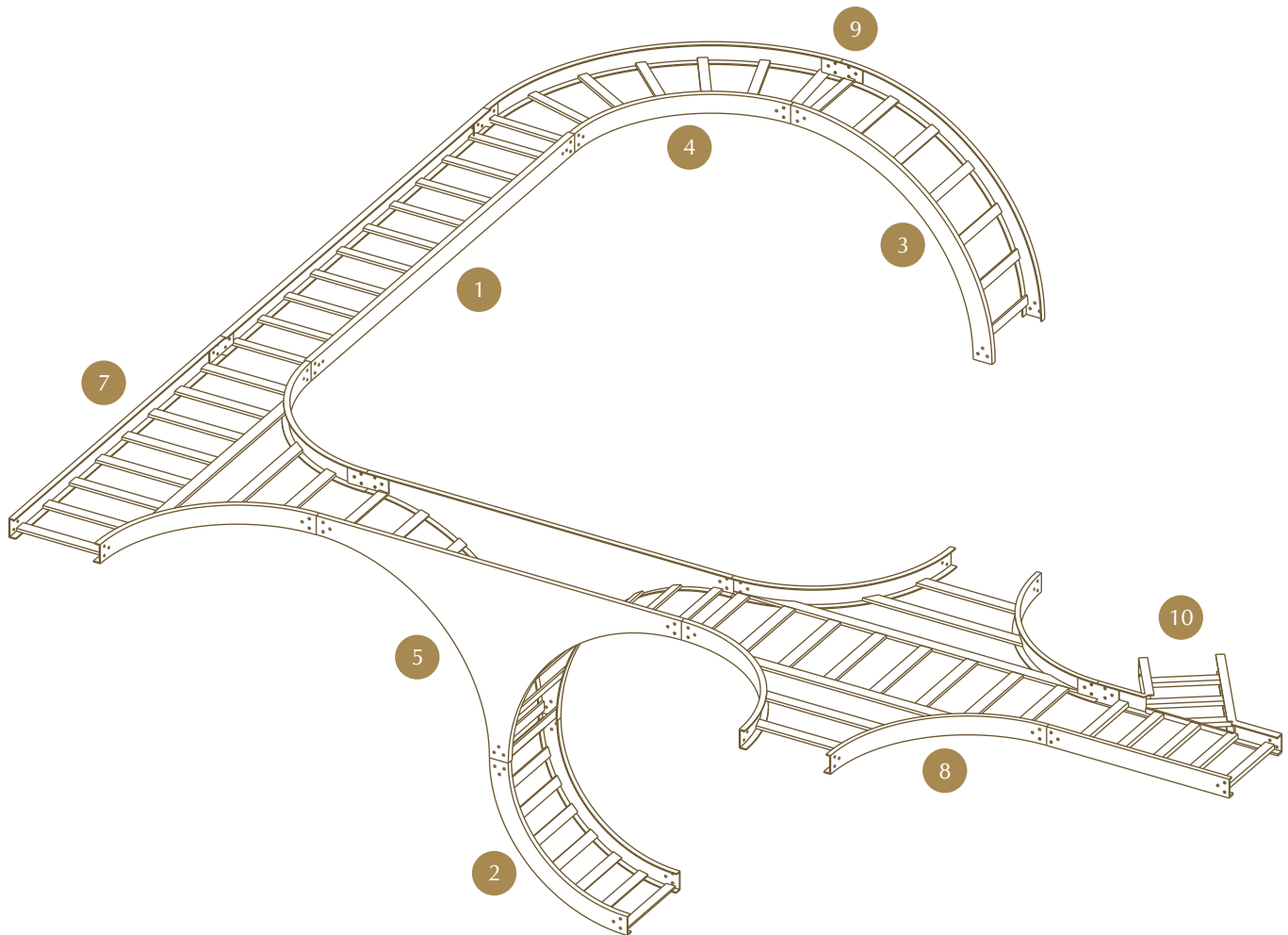
45 DEG CORRUGATED RIGHT 'Y' BRANCH



45 DEG CORRUGATED LEFT 'Y' BRANCH

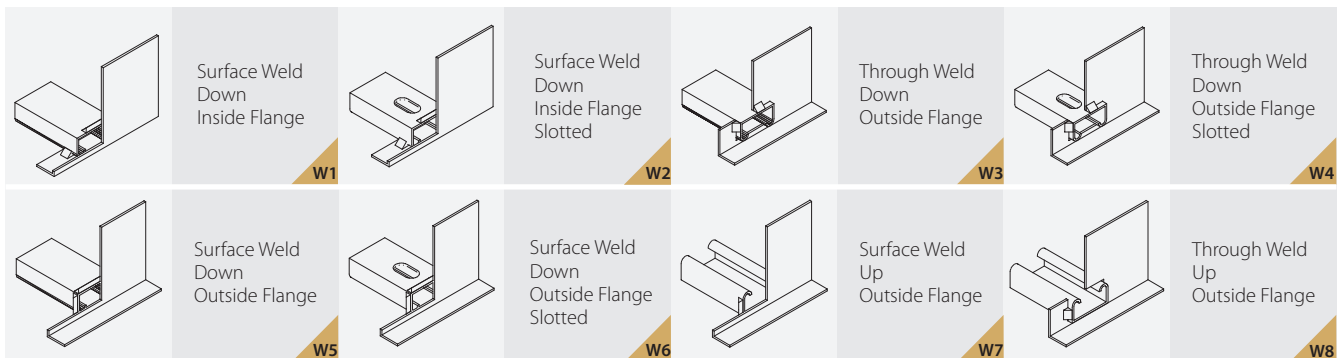
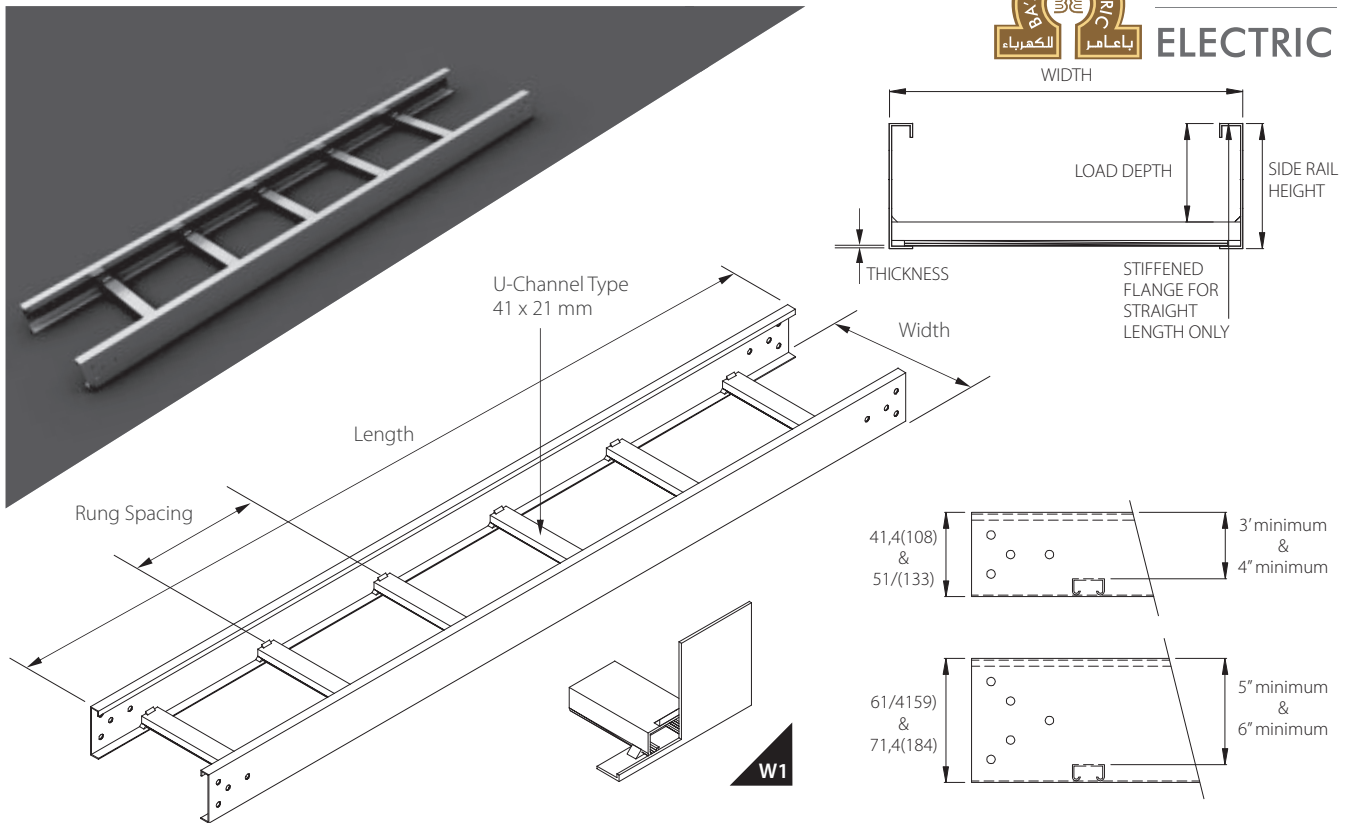


WELDED TYPE CABLE LADDER



1. Straight Cable Ladder
2. 90 Deg Inside Vertical Elbow
3. 90 Deg Outside Vertical Elbow
4. 90 Deg Horizontal Elbow
5. Vertical Tee
6. Horizontal Tee
7. Horizontal Cross
8. Universal Connector
9. Left Hand 'Y' Branch

Welded Type - Straight Cable Ladder



* Thickness as shown in specification tables

Welded Type Cable Ladder	Material	Nema Class	Load Depth		Width		Rung Spacing		Length		Channel Type
WL	S : Steel	08A	03	76mm	06	152mm	06	152mm	08	2440mm	W1
		08B			09	229mm			10	3000mm	W2
		08C	04	102mm	12	305mm	09	229mm	12	3700mm	W3
		12A			18	457mm			16	4900mm	W4
	SS : Stainless Steel	12B	05	127mm	24	610mm	12	305mm	20	6000mm	W5
		12C			30	762mm			24	7300mm	W6
		16A	06	152mm	36	914mm	18	457mm			W7
		16B									W8
	A : Aluminum	16C									
		20A									
		20B									
		20C									
WL	S	16A	06		12		229		6000		W1

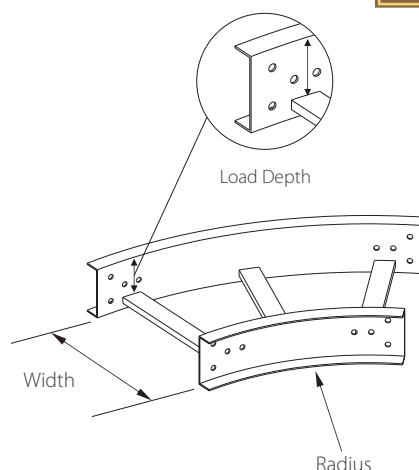
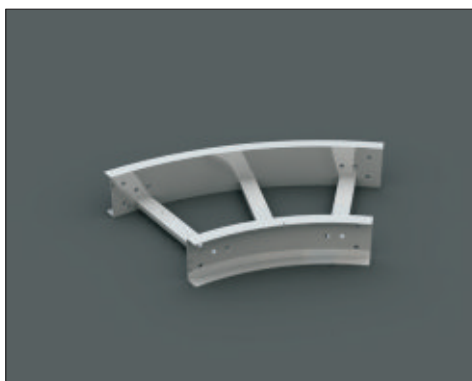
▲ = to generate the Ba'amer product code follow this example : **WL-S-16A-06-12-229-6000-W1**

+ other sizes available on request

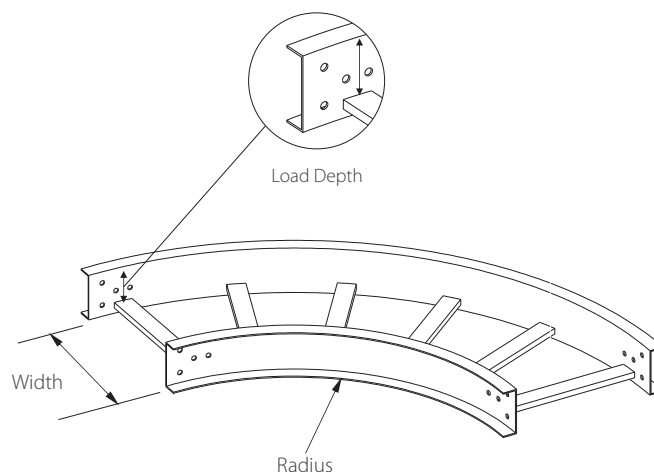
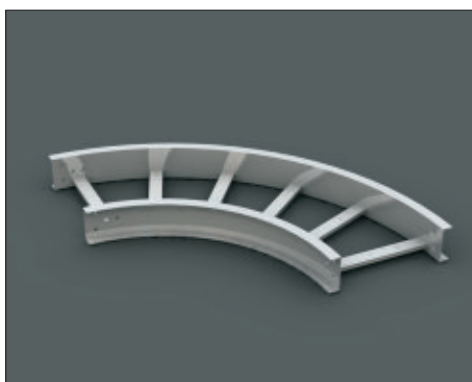
* dimension in inch or mm and feet or mm for length

* Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

45 DEG HORIZONTAL ELBOW



90 DEG HORIZONTAL ELBOW

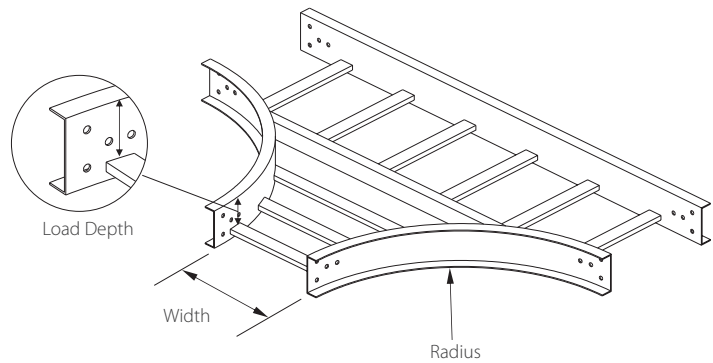


Welded Fittings	Material	Radius		Width		Load Depth		Channel Type
45WHE: 45 Deg Welded Horizontal Elbow	S : Steel	12	305mm	06	152mm	03	76mm	W1
				09	229mm			W2
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm	W3
				18	457mm			W4
90WHE: 90 Deg Welded Horizontal Elbow	A : Aluminum	36	914mm	24	610mm	05	127mm	W5
				30	762mm			W6
				36	914mm	06	152mm	W7
								W8
90WHE	S	12		36		05		W5
▲ = to generate the Ba'amer product code follow this example : 90WHE-S-12-36-05-W5								

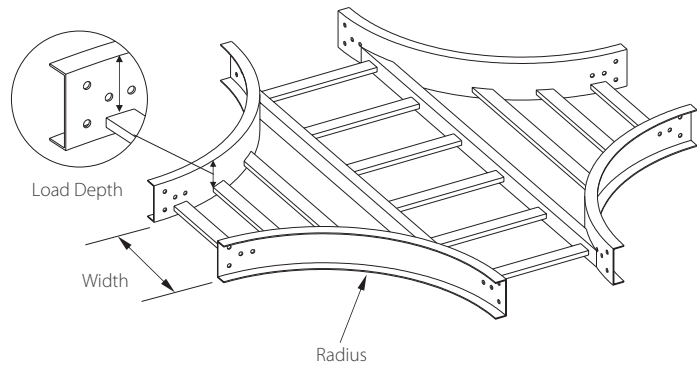
+ other sizes available on request

* dimension in inch or mm

HORIZONTAL TEE



HORIZONTAL CROSS

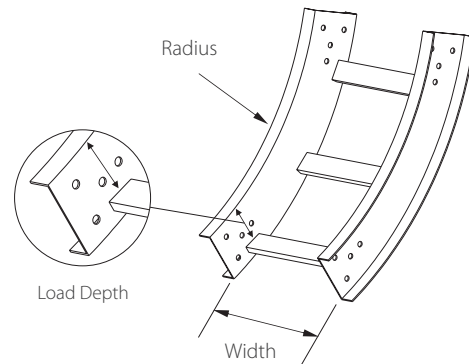
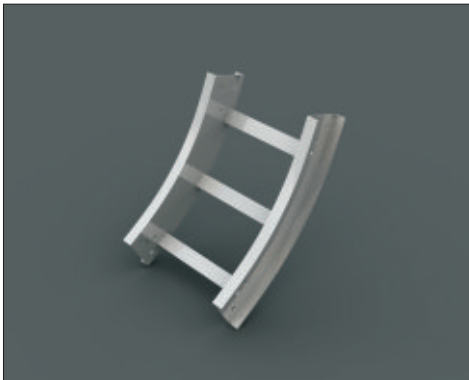


Welded Fittings	Material	Radius		Width		Load Depth		Channel Type
WHT: Welded Horizontal Tee	S : Steel	12	305mm	06	152mm	03	76mm	W1
				09	229mm			W2
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm	W3
				18	457mm			W4
WHC: Welded Horizontal Cross	A : Aluminum	36	914mm	24	610mm	05	127mm	W5
				30	762mm			W6
				36	914mm	06	152mm	W7
								W8
WHC	S	12		36		05		W5
▲ = to generate the Ba'amer product code follow this example : WHC-S-12-36-05-W5								

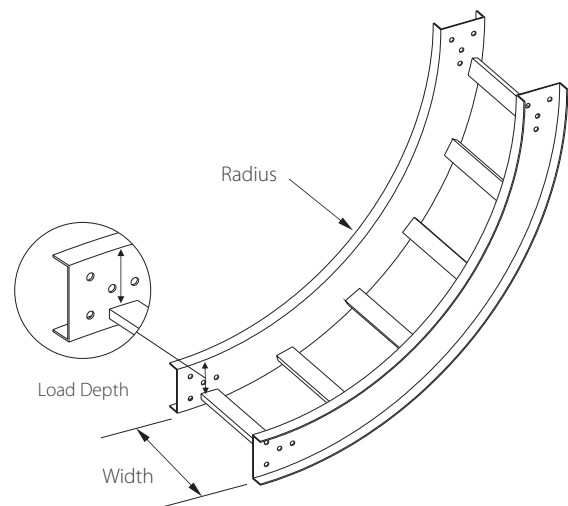
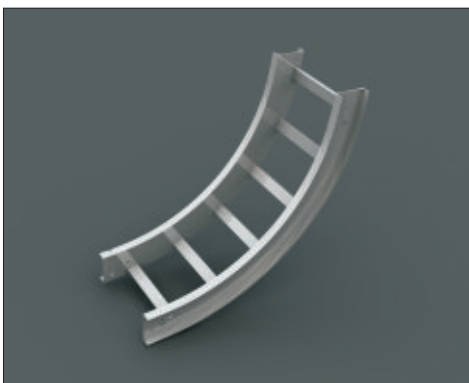
+ other sizes available on request

* dimension in inch or mm

45 DEG VERTICAL INSIDE ELBOW



90 DEG VERTICAL INSIDE ELBOW

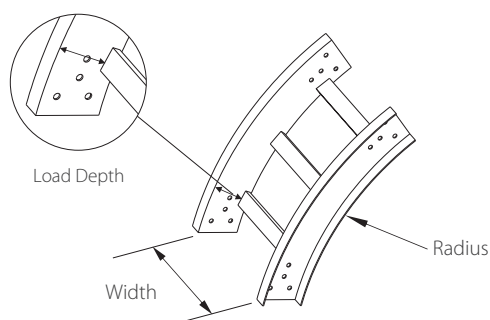
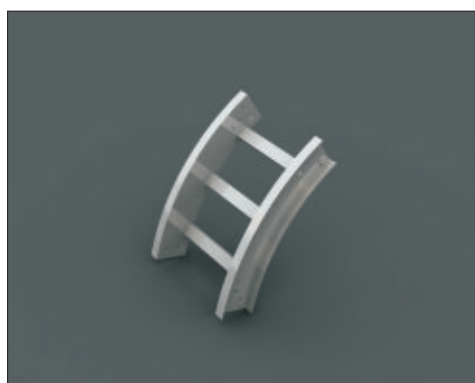


Welded Fittings	Material	Radius		Width		Load Depth		Channel Type
45WVIE: 45 Deg Welded Vertical Inside Elbow	S : Steel	12	305mm	06	152mm	03	76mm	W1
				09	229mm			W2
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm	W3
				18	457mm			W4
90WVIE: 90 Deg Welded Vertical Inside Elbow				24	610mm	05	127mm	W5
	A : Aluminum	36	914mm	30	762mm	06	152mm	W7
90WVIE	S	12		36		05		W5
▲ = to generate the Ba'amer product code follow this example : 90WVIE-S-12-36-05-W5								

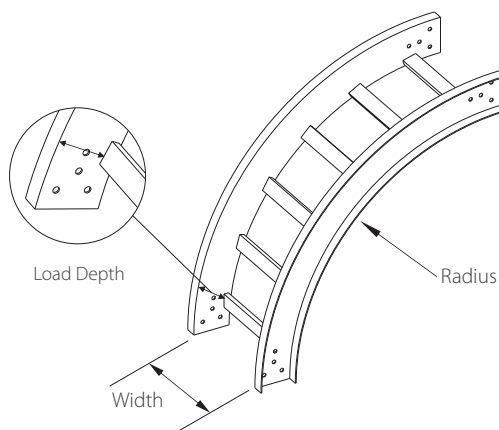
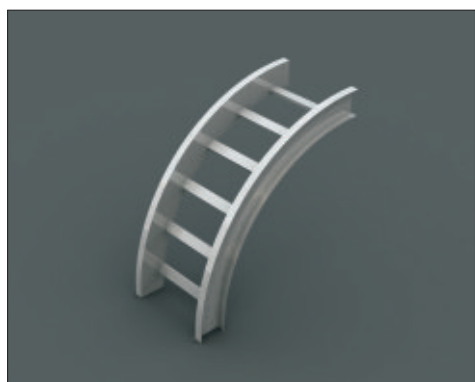
+ other sizes available on request

* dimension in inch or mm

45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW

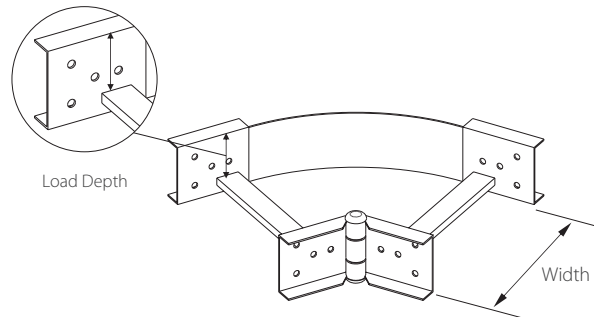
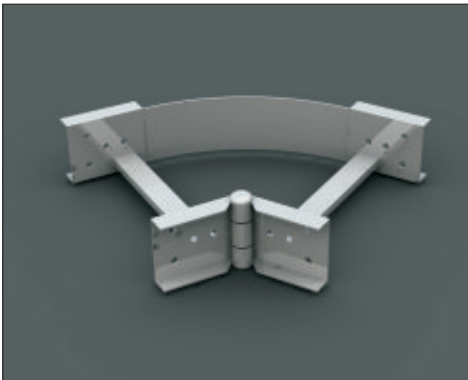


Welded Fittings	Material	Radius		Width		Load Depth		Channel Type
45WVOE: 45 Deg Welded Vertical Outside Elbow	S : Steel	12	305mm	06	152mm	03	76mm	W1
				09	229mm			W2
	SS : Stainless Steel	24	610mm	12	305mm	04	102mm	W3
				18	457mm			W4
90WVOE: 90 Deg Welded Vertical Outside Elbow	A : Aluminum	36	914mm	24	610mm	05	127mm	W5
				30	762mm			W6
				36	914mm	06	152mm	W7
								W8
45WVOE	S	12		36		05		W5
▲ = to generate the Ba'amer product code follow this example : 45WVOE-S-12-36-05-W5								

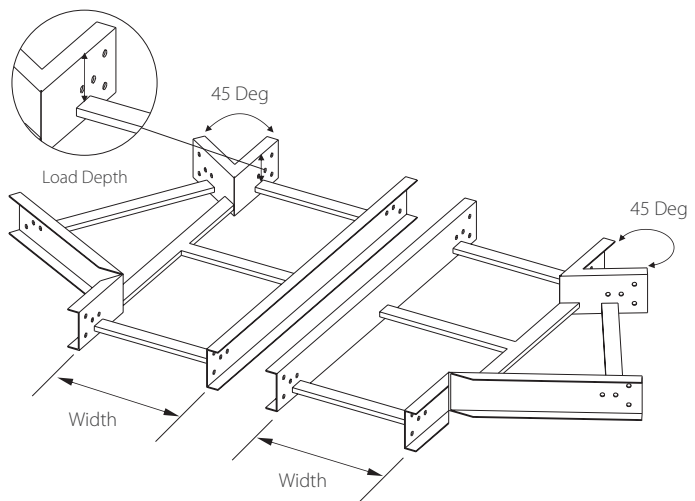
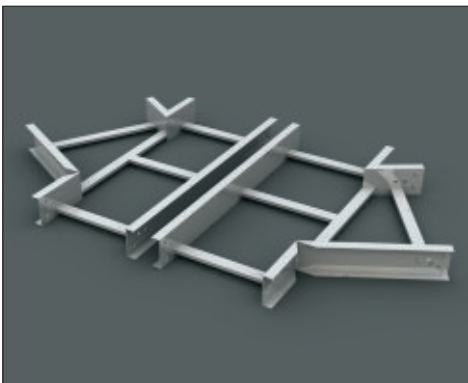
+ other sizes available on request

* dimension in inch or mm

HORIZONTAL ADJUSTABLE ELBOW



45 DEG RIGHT 'Y' BRANCH



Welded Fittings	Material	Radius		Width		Load Depth		Channel Type
WHAE: Welded Horizontal Adjustable Elbow	S : Steel	12	305mm	06	152mm	03	76mm	W1
				09	229mm			W2
				12	305mm	04	102mm	W3
WRYB: 45 Deg Welded Right Y Branch	SS : Stainless Steel	24	610mm	18	457mm			W4
				24	610mm	05	127mm	W5
				30	762mm			06
WLYB: 45 Deg Welded Left Y Branch	A : Aluminum	36	914mm	36	914mm	W7		
						W8		
WLYB	S	12		36		05		W5

▲ = to generate the Ba'amer product code follow this example : **WLYB-S-12-36-05-W5**

+ other sizes available on request

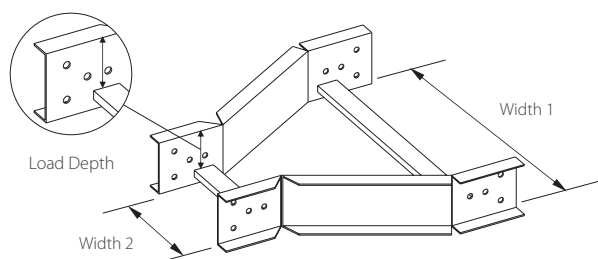
* dimension in inch or mm

Welded Type Cable Ladder - Fittings

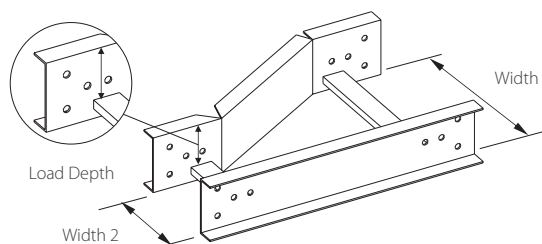
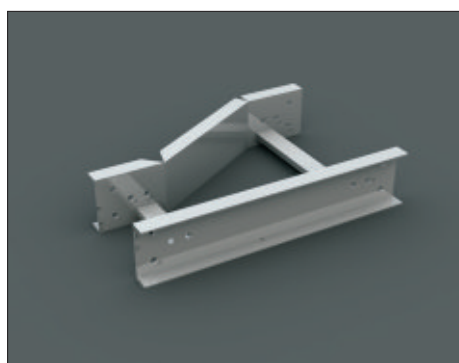


BA'AMER
ELECTRIC

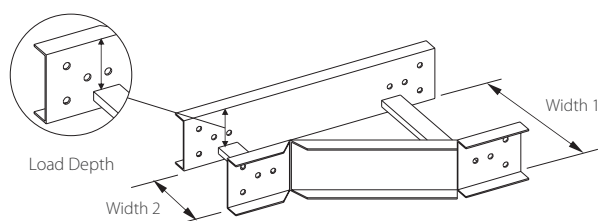
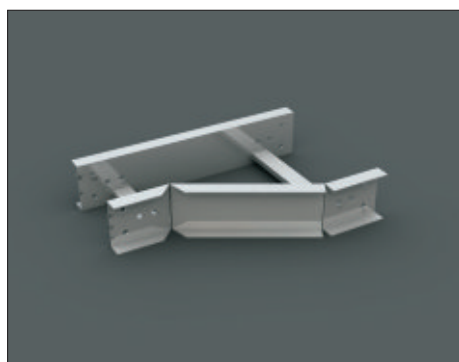
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER



Welded Fittings	Material	Width 1		Width 2		Load Depth		Channel Type
WSR: Welded Straight Reducer	S : Steel	36	914mm	06	152mm	03	76mm	W1
		30	762mm	09	229mm			W2
WLHR: Welded Left Hand Reducer	SS : Stainless Steel	24	610mm	12	305mm	04	102mm	W3
		18	457mm	18	457mm			W4
		12	305mm	24	610mm	05	127mm	W5
WRHR: Welded Right Hand Reducer	A : Aluminum	09	229mm	30	762mm			W6
		06	152mm	36	914mm	06	152mm	W7
								W8
WRHR	S	36		06		05		W5

▲ = to generate the Ba'amer product code follow this example : **WRHR-S-36-06-05-W5**

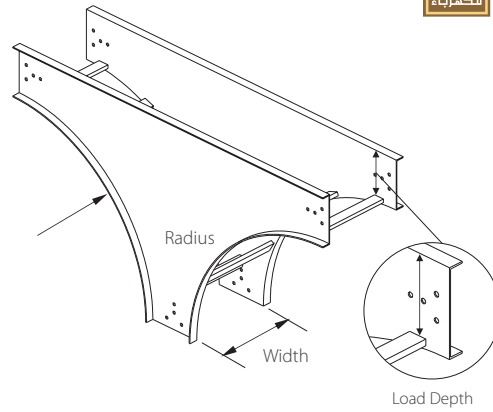
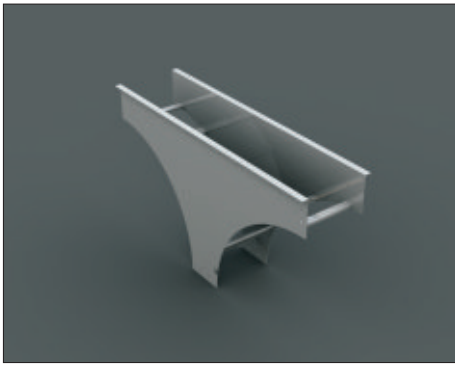
+ other sizes available on request

* dimension in inch or mm

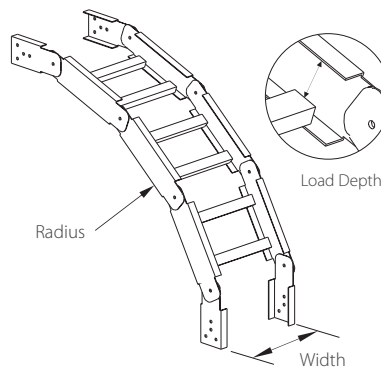
*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

Welded Type Cable Ladder - Fittings

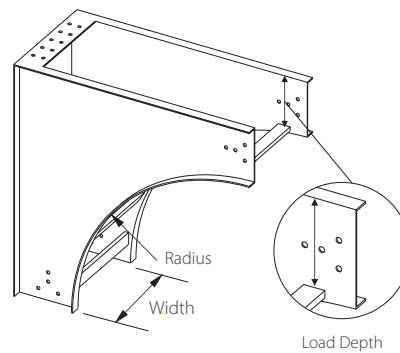
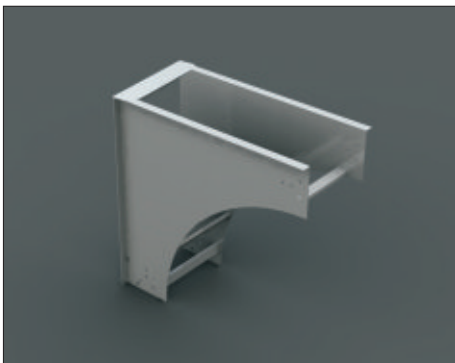
VERTICAL TEE



VERTICAL ADJUSTABLE ELBOW



VERTICAL SUPPORT ELBOW



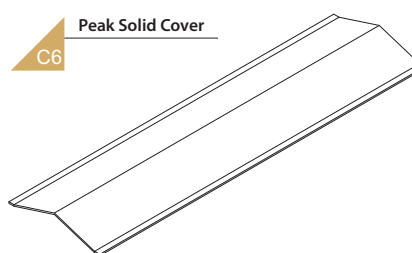
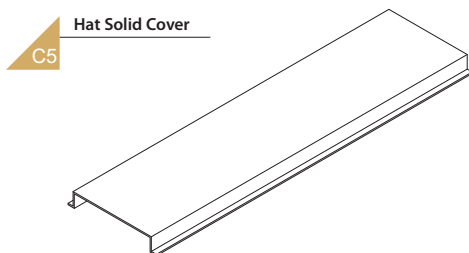
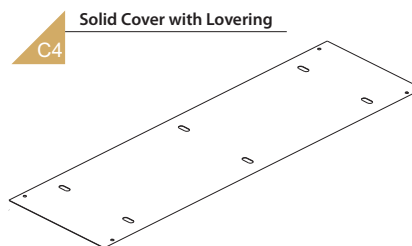
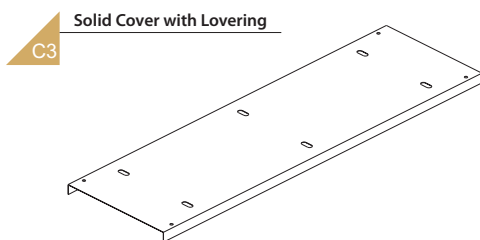
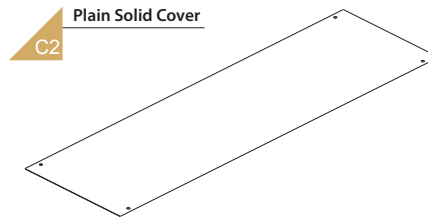
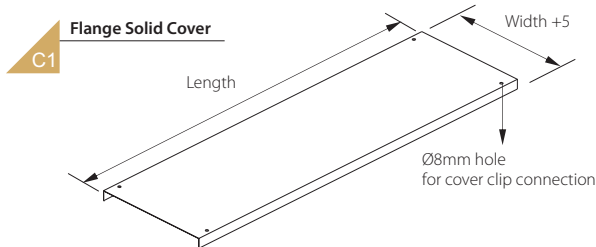
Welded Fittings	Material	Width 1		Width 2		Load Depth		Channel Type
WVT: Welded Vertical Tee	S : Steel	36	914mm	06	152mm	03	76mm	W1
		30	762mm	09	229mm			W2
WVAE: Welded Vertical Adjustable Elbow	SS : Stainless Steel	24	610mm	12	305mm	04	102mm	W3
		18	457mm	18	457mm			W4
		12	305mm	24	610mm	05	127mm	W5
WVSE: Welded Vertical Support Elbow	A : Aluminum	09	229mm	30	762mm			W6
		06	152mm	36	914mm	06	152mm	W7
								W8
WVT	S	36		36		05		W5

▲ = to generate the Ba'amer product code follow this example : WVT-S-36-36-05-W5

+ other sizes available on request

* dimension in inch or mm

STRAIGHT LENGTH COVERS



*Width + 5mm for Inside Flange Ladder

*Width + 2F for Outside Flange Ladder

Welded Type Cable Ladder Covers	Cover Type	Material	Width		Tray Flange Width (mm)		Length	
WL	C1	S : Steel	6	152mm	21	For Steel and Stainless Steel	8	2440mm
	C2		9	229mm	32		10	3000mm
	C3	SS : Stainless Steel	12	305mm	38		12	3700mm
	C4		18	457mm	20.6	For Aluminum Only	16	4900mm
	C5	A : Aluminum	24	610mm	31.75		20	6000mm
	C6		30	762mm	38.1		24	7300mm
			36	914mm	44.5			
					50			
WL	C1	S	12		32			6000

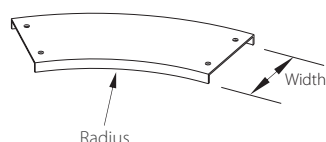
▲ = to generate the Ba'amer product code follow this example : **WL-C1-S-12-32-6000**

+ other sizes available on request

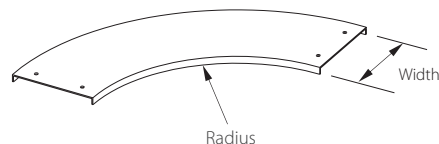
* dimension in inch or mm and feet or mm for length

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

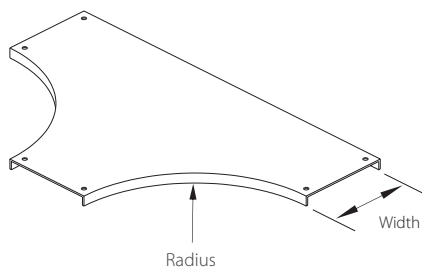
45 DEG HORIZONTAL ELBOW COVER



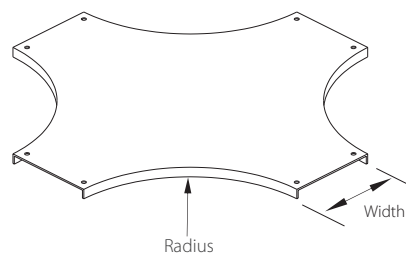
90 DEG HORIZONTAL ELBOW COVER




HORIZONTAL TEE COVER



HORIZONTAL CROSS COVER



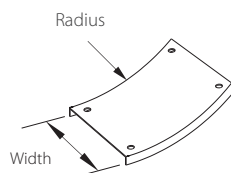
Welded Type Cable Ladder Covers	Cover Type	Material	Radius	Width
45WHE: 45 Deg Welded Horizontal Elbow	C1	S : Steel	12 305mm	6 152mm 9 229mm
90WHE: 90 Deg Welded Horizontal Elbow	C2	SS : Stainless Steel	24 610mm	12 305mm 18 457mm
WHT: Welded Horizontal Tee	C3			24 610mm
WHC: Welded Horizontal Cross	C4	A : Aluminum	36 914mm	30 762mm 36 914mm
45WHE	C4	S	12	6

 = to generate the Ba'amer product code follow this example : **45WHE-C4-S-12-6**

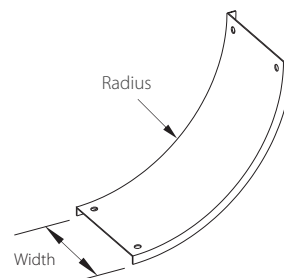
+ other sizes available on request

* dimension in inches or mm

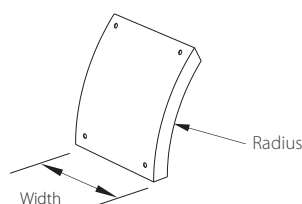
45 DEG VERTICAL INSIDE ELBOW



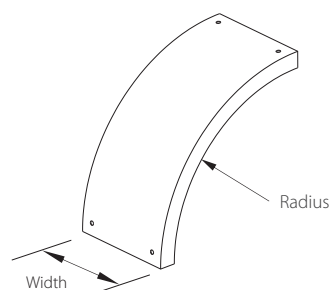
90 DEG VERTICAL INSIDE ELBOW



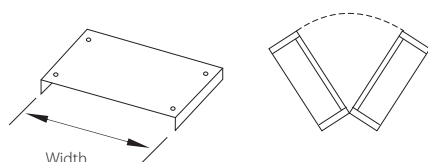
45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



HORIZONTAL ADJUSTABLE ELBOW



Welded Type Cable Ladder Covers	Cover Type	Material	Radius	Width 2
45WVIE: 45 Deg Welded Vertical Inside Elbow	C1	S : Steel	12 305mm	6 152mm
90WVIE: 90 Deg Welded Vertical Inside Elbow				9 229mm
45WVOE: 45 Deg Welded Vertical Outside Elbow	C2	SS : Stainless Steel	24 610mm	12 305mm
90WVOEC 90 Deg Welded Vertical Outside Elbow				18 457mm
WHAЕ: Welded Horizontal Adjustable Elbow	C3	A : Aluminum	36 914mm	24 610mm
				30 762mm
	C4			36 914mm
90WVIE	C2	S	24	6

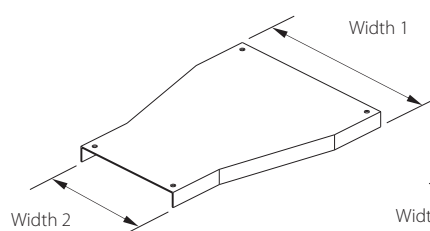
▲ = to generate the Ba'amer product code follow this example : 90WVIE-C2-S-24-6

+ other sizes available on request

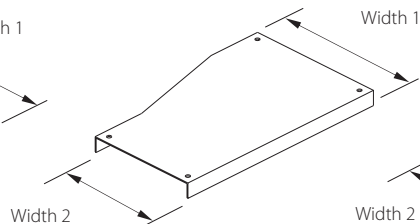
*dimension in inches or mm

Welded Type Cable Ladder - Covers

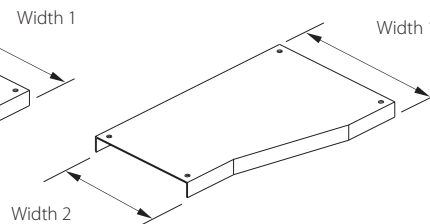
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER



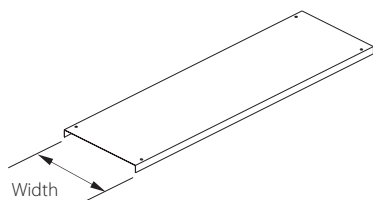
Welded Type Cable Ladder Covers	Cover Type	Material	Width 1		Width 2	
WSR: Welded Straight Reducer	C1	S : Steel	36	914mm	6	152mm
			30	762mm	9	229mm
WLHR: Welded Left Hand Reducer	C2	SS : Stainless Steel	24	610mm	12	305mm
			18	457mm	18	457mm
			12	305mm	24	610mm
WRHR: Welded Right Hand Reducer	C3	A : Aluminum	9	229mm	30	762mm
			6	152mm	36	914mm
WRHR	C2	S	12	6		

▲ = to generate the Ba'amer product code follow this example : **WRHR-C2-S-12-6**

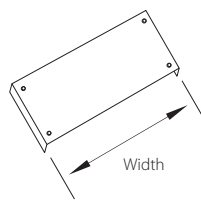
+ other sizes available on request

* dimension in inches or mm

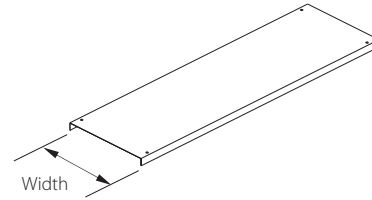
VERTICAL TEE



VERTICAL ADJUSTABLE ELBOW



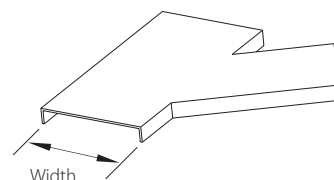
VERTICAL SUPPORT ELBOW



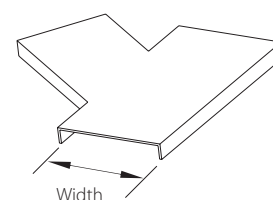
Welded Type Cable Ladder Covers	Cover Type	Material	Width	
WVT: Welded Vertical Tee	C1	S : Steel	6	152mm
WVAE: Welded Vertical Adjustable Elbow			9	229mm
WVSE: Welded Vertical Support Elbow	C2	SS : Stainless Steel	12	305mm
WTRYB: 45 Deg Welded Right Y Branch			18	457mm
WLYB: 45 Deg Welded Left Y Branch	C3	A : Aluminum	24	610mm
			30	762mm
			36	914mm
WLYB	C2	S	12	

▲ = to generate the Ba'amer product code follow this example : **WLYB-C2-S-12**

45 DEG CORRUGATED RIGHT 'Y' BRANCH



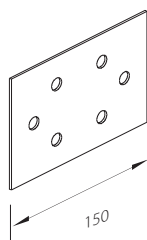
45 DEG CORRUGATED LEFT 'Y' BRANCH



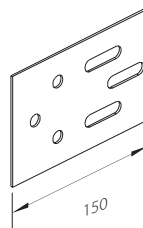
+ other sizes available on request

* dimension in inches or mm

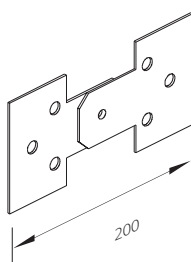
UNIVERSAL CONNECTOR



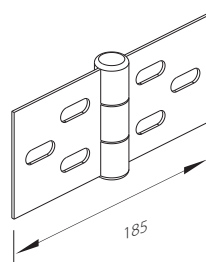
EXPANSION CONNECTOR



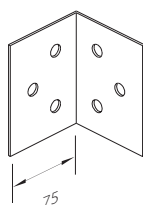
VERTICAL ADJUSTABLE CONNECTOR



HORIZONTAL ADJUSTABLE CONNECTOR



90 DEG ANGLE CONNECTOR

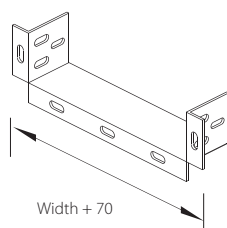


Cable Ladder Accessories	Material	Load Depth	
UC : Universal connector	S : Steel	03	76mm
EC : Expansion connector		04	102mm
VAC : Vertical Adjustable Connector	SS : Stainless Steel	05	127mm
HAC : Horizontal Adjustable Connector		06	152mm
AC : 90 Deg Angle Connector	A : Aluminum	06	
EC	S	06	

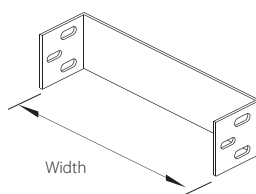
▲ = to generate the Ba'amer product code follow this example : **EC-S-06**

+ other sizes available on request

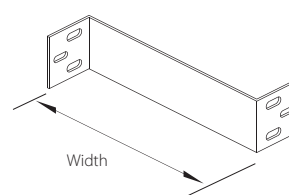
BOX CONNECTOR



BLIND END



REDUCING CONNECTOR



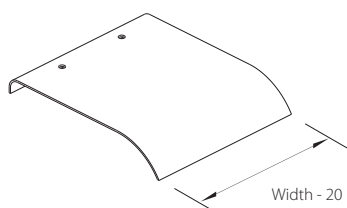
Cable Ladder Accessories	Material	Load Depth		Width	
BC : Box Conector	S : Steel	03	76mm	06	152mm
				09	229mm
BE : Blind End	SS : Stainless Steel	04	102mm	12	305mm
				18	457mm
RC:Reducing Connector	A : Aluminum	05	127mm	24	610mm
				30	762mm
		06	152mm	36	914mm
BE	S	06		12	

▲ = to generate the Ba'amer product code follow this example : **BE-S-06-12**

+ other sizes available on request

* dimension in inch or mm

DROP OUT



Cable Ladder Accessories	Material	Width	
DO : Drop Out	S : Steel	06	152mm
		09	229mm
	SS : Stainless Steel	12	305mm
		18	457mm
		24	610mm
	A : Aluminum	30	762mm
		36	914mm
DO	S	12	

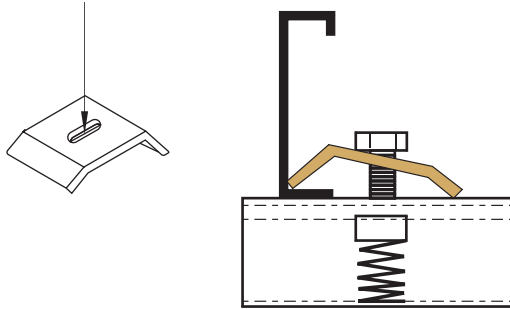
▲ = to generate the Ba'amer product code follow this example : **DO-S-12**

+ other sizes available on request

* dimension in inch or mm

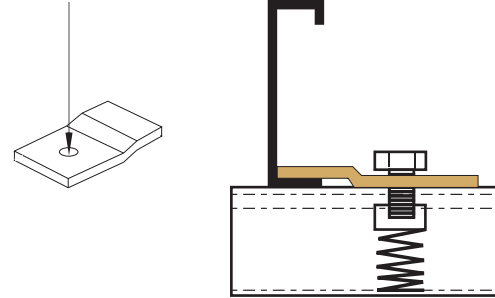
HOLD DOWN CLAMP

12 X 20mm ellipse
for M10 x 35 mm Hex Bolt

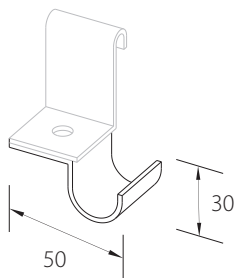


EXPANSION GUIDE

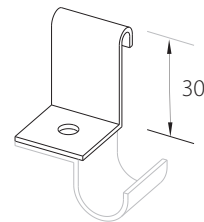
Ø12mm M10 x 35 mm Hex Bolt



BARRIER STRIP CLAMP

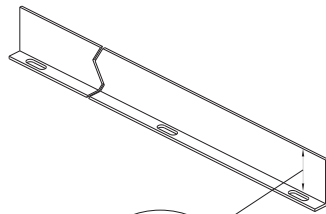


VERTICAL HOLD DOWN CLAMP



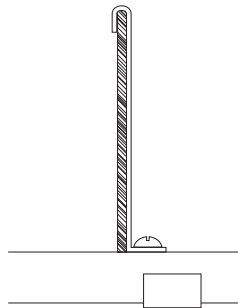
Cable Ladder Accessories	Material
HDC : Hold Down Clamp	S : Steel
EG : Expabnsion Guid	SS : Stainless Steel
BSC : Barrier Strip Clamp	A : Aluminum
VBHDC : Vertical Barrier Hold Down Clamp	
EG	S
▲ = to generate the Ba'amer product code follow this example : EG-S	

BARRIER STRIP (STRAIGHT)

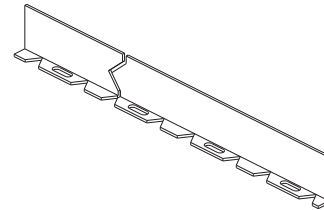


Load Depth

BARRIER STRIP (VERTICAL FITTINGS)



BARRIER STRIP (HORIZONTAL FITTINGS)



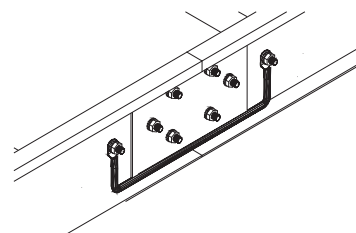
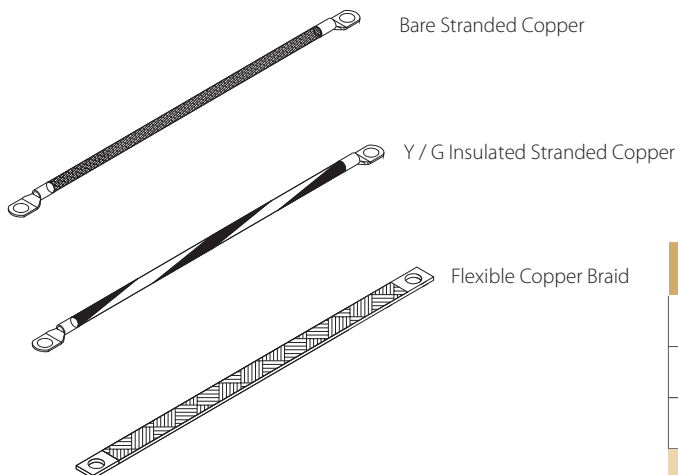
Cable Ladder Accessories	Material	Load Depth		Length as per Request
BS: Barrier Strip Straight	S : Steel	03	76mm	1000mm
BSHF: Barrier Strip Horizontal Fittings	SS : Stainless Steel	04	102mm	1500mm
		05	127mm	2000mm
		06	152mm	2500mm
BSHF: Barrier Strip Vertical Fittings	A : Aluminum	06	152mm	3000mm
BSHF	S	06		1000

▲ = to generate the Ba'amer product code follow this example : **BSHF-S-06-1000**

+ other sizes available on request

* dimension in inch or mm

BONDING JUMPER

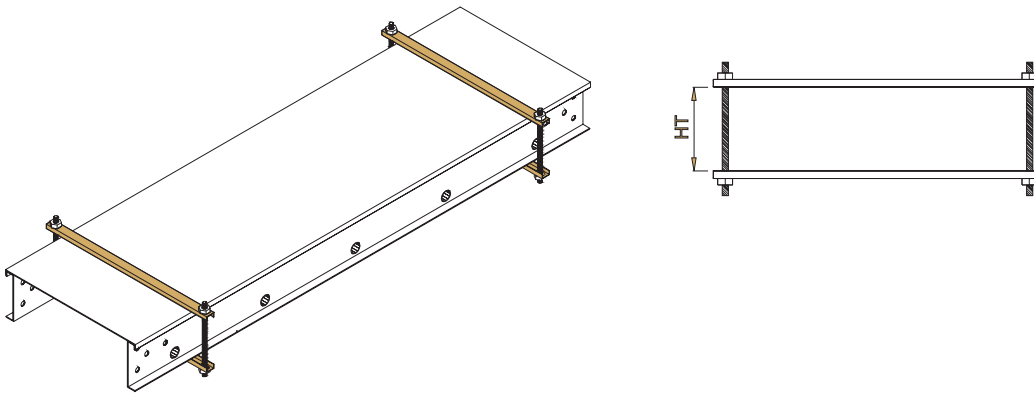


Cable Ladder Accessories	Type
BJB: Bare Stranded Copper	AWG 1/0 : -800A - 50mm ² - A
BJI: Y/G Insulated Stranded Copper	AWG #2 : -500A - 350mm ² - B
BJBL : Flexible Copper Braid	AWG #3 : -400A - 250mm ² - C
	AWG 4/0 : -1600A - 100mm ² - D
BJBL	B

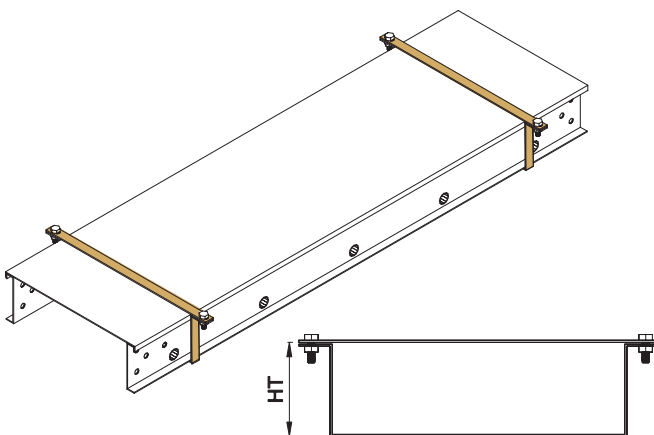
▲ = to generate the Ba'amer product code follow this example : **BJBL - B**

Bonding Jumper Length = 394mm

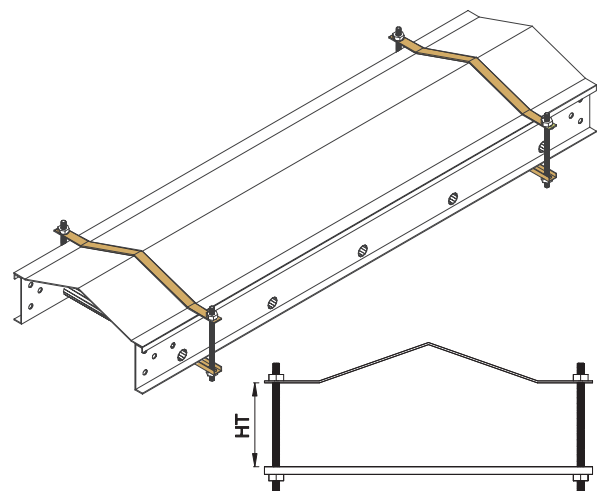
DOUBLE COVER CLAMP CONNECTOR



WRAPAROUND COVER CONNECTOR



PEAK COVER CONNECTOR



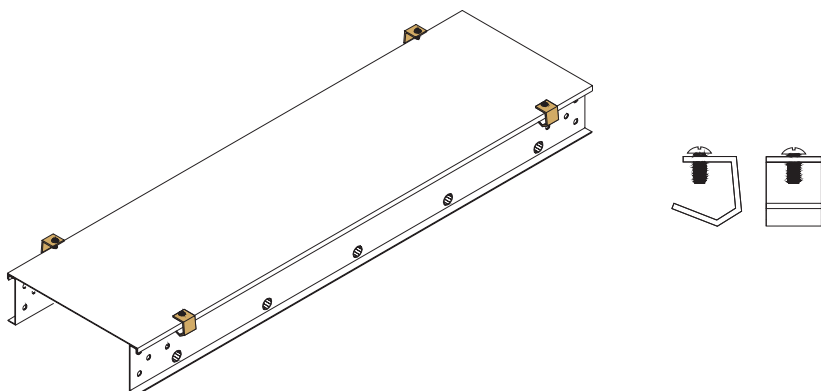
Cable Ladder Cover Accessories	Material	Width		Load Depth	
DCC : Double Cover Clamp Connector	S : Steel	6	152mm	3	76mm
		9	229mm		
WCC : Wraparound Cover Connector	SS : Stainless Steel	12	305mm	4	102mm
		18	457mm		
		24	610mm	5	127mm
PCC : Peak Cover Connector	A : Aluminum	30	762mm	6	152mm
		36	914mm		
DCC	S	12		5	

▲ = to generate the Ba'amer product code follow this example : **DCC-S-12-5**

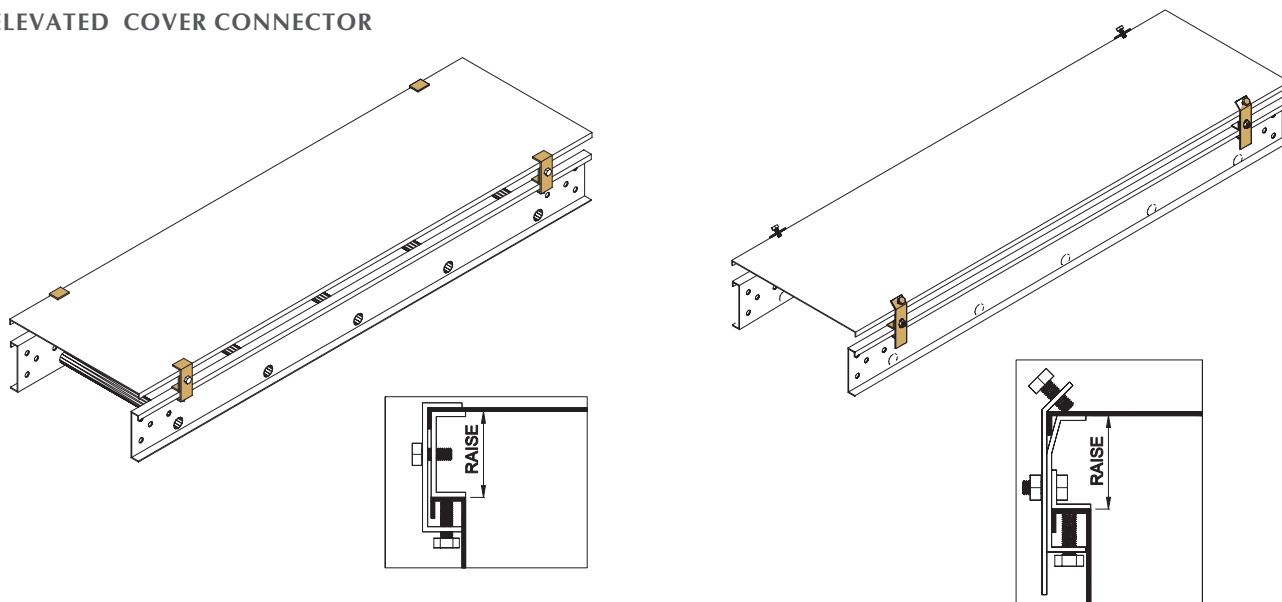
+ other sizes available on request

* dimension in inches or mm

COVER CLIP CONNECTOR



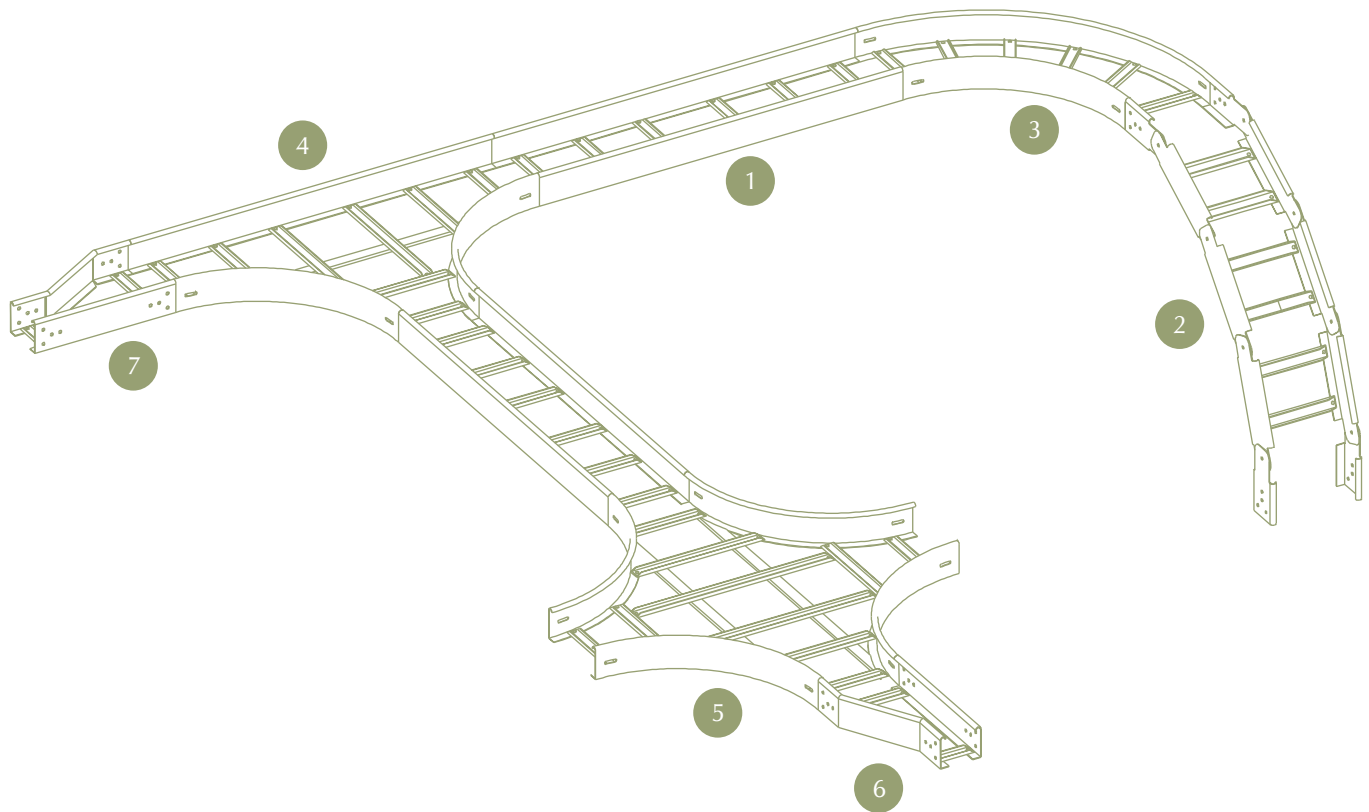
ELEVATED COVER CONNECTOR



Cable Ladder Cover Accessories	Material
ECC : Elavated Cover Connector	S : Steel
	SS : Stainless Steel
CC : Cover Clip Connector	A : Aluminum
ECC	S
▲ = to generate the Ba'amer product code follow this example : ECC-S	

+ other sizes available on request

RIVETTED TYPE CABLE LADDER

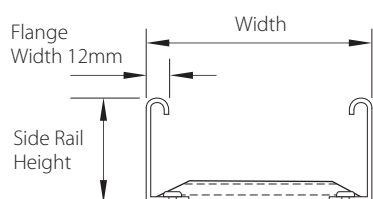
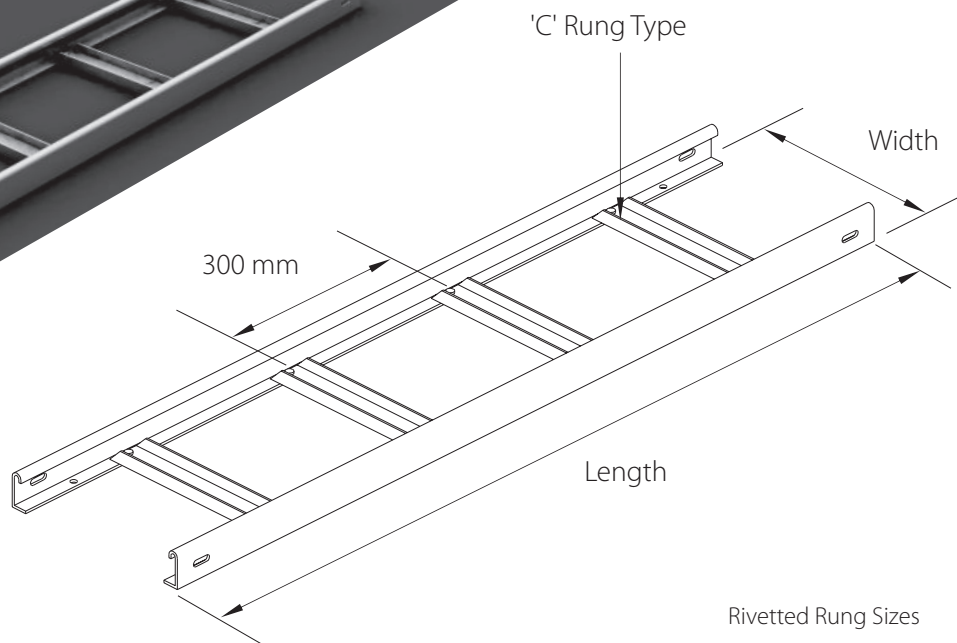
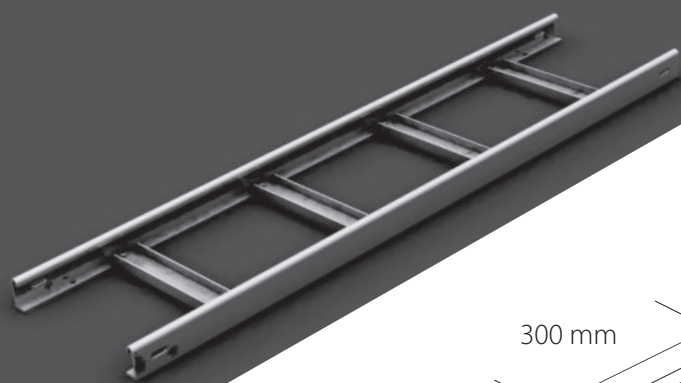


1. Straight Cable Ladder
2. Vertical Adjustable Elbow
3. 90 Deg Horizontal Elbow
4. Horizontal Tee
5. Horizontal Cross
6. Left Hand Reducer
7. Right Hand Reducer

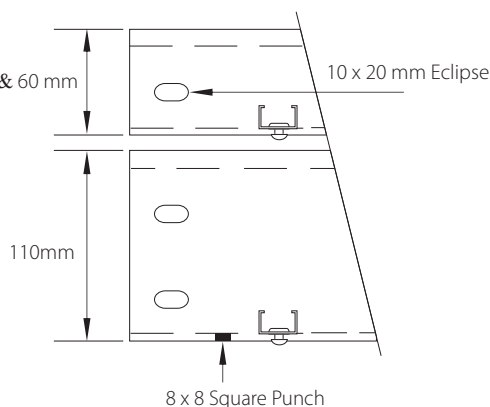
Rivetted Type - Straight Cable Ladder



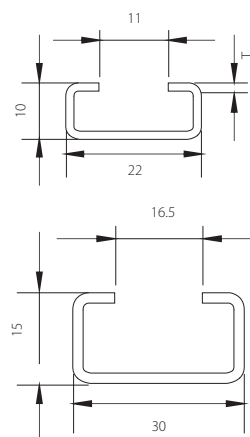
BA'AMER
ELECTRIC



Standard Length for Straight : 3 m
Standard Radius for Fittings : 600 mm
Standard Rung Spacing : 300 mm



Rivetted Rung Sizes



Rivetted Type Cable Ladder (C Rungs)	Material	Side Rail Thickness	Rung Thickness	Side Rail Height	Width	Length	Rung Dimension mm
RL	S : Steel	1.5	1.2	45	150 mm	2440 mm	A : 22 X 10
					200 mm	3000 mm	
	SS : Stainless Steel	1.5	1.5	60	300 mm	3700 mm	B : 30 X 15
					400 mm	4900 mm	
	A : Aluminum	2	2	110	500 mm	6000 mm	B : 30 X 15
					600 mm	7300 mm	
RL	S	2	1.2	110	600	6000	B



= to generate the Ba'amer product code follow this example :

RL-S-2-1.2-110-600-6000B

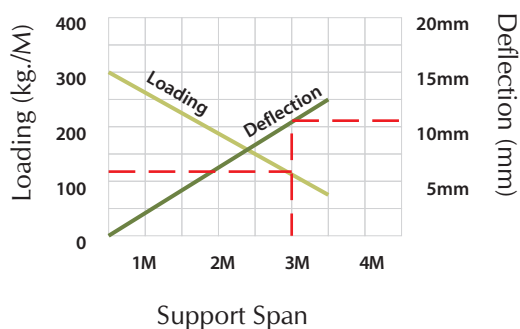
+ other sizes available on request

* dimension in mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

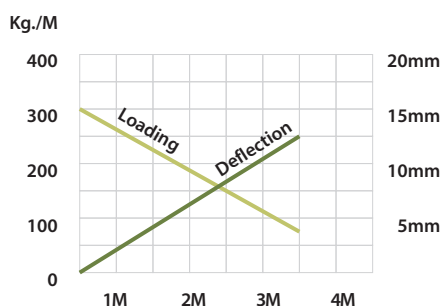
LOAD DEFLECTION CHART

Example

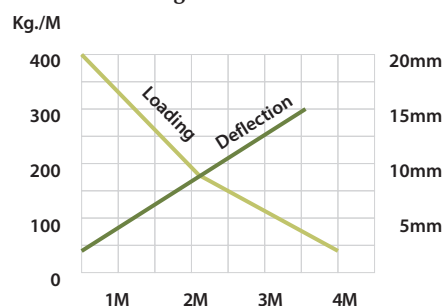


Length = 3000mm
Load = 110Kg/M
Deflection = 10.6mm

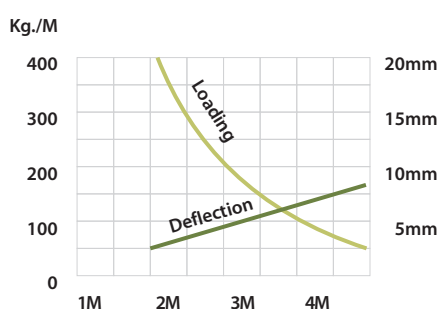
45 mm Height 1.5mm Thickness



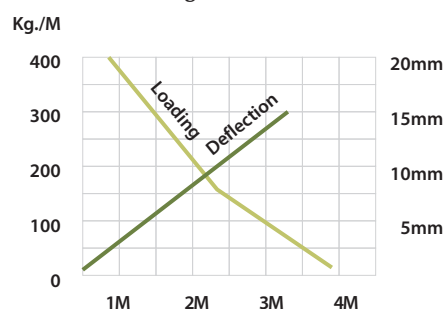
60 mm Height 1.5mm Thickness



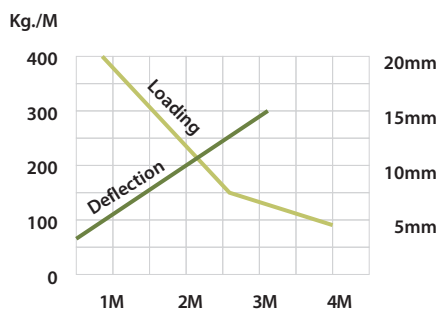
110 mm Height 1.5mm Thickness



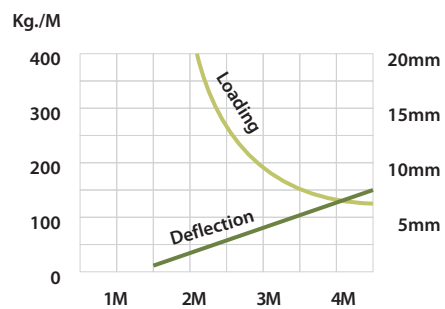
45 mm Height 2mm Thickness



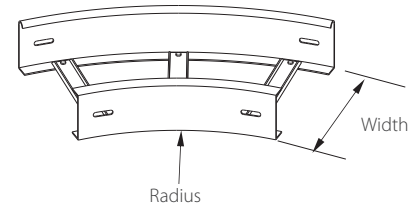
60 mm Height 2 mm Thickness



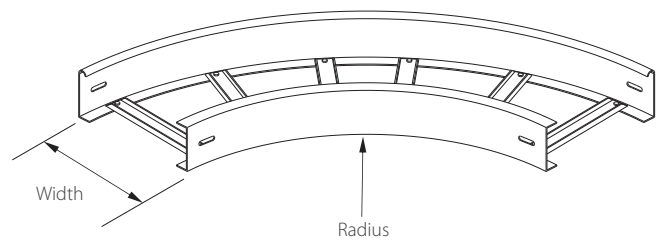
110 mm Height 2mm Thickness




45 DEG HORIZONTAL ELBOW



90 DEG HORIZONTAL ELBOW

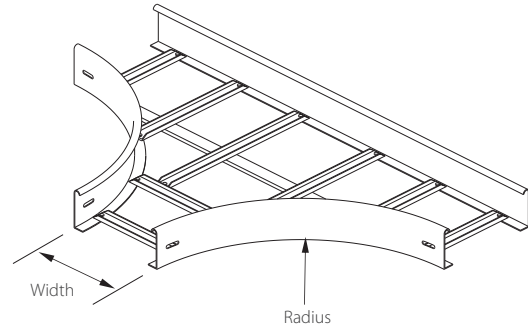


Rivettted Type Fittings	Material	Radius	Width	Side Rail Height	Side Rail Thickness	Rung Thickness	Rung Dimension mm
45RHE: 45 Deg Rivettted Horizontal Elbow	S : Steel	300 mm	150 mm	45	1.5	1.2	A : 22 X 10
			200 mm				
90RHE: 90 Deg Rivettted Horizontal Elbow	SS : Stainless Steel	600 mm	300 mm	60	2	1.5	B : 30 X 15
			400 mm				
	A : Aluminum	900 mm	500 mm	110	2		
			600 mm				
45RHE	S	300	600	60	1.5	1.2	A
<div> = to generate the Ba'amer product code follow this example : 45RHE-S-300-600-60-1.5-1.2A</div>							

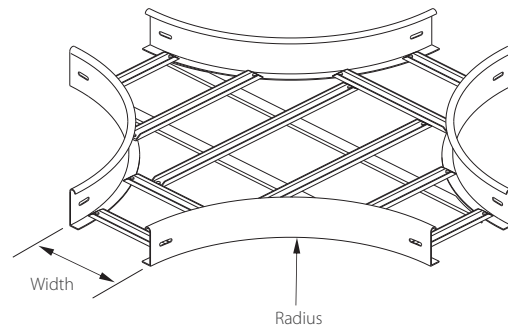
+ other sizes available on request

* dimension in mm

HORIZONTAL TEE



HORIZONTAL CROSS



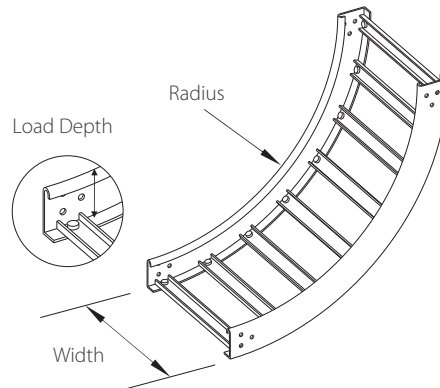
Rivettted Type Fittings	Material	Radius	Width	Side Rail Height	Side Rail Thickness	Rung Thickness	Rung Dimension mm
RHT: Rivettted Type Horizontal Tee	S : Steel	300 mm	150 mm	45	1.5	1.2	A : 22 X 10
			200 mm				
RHC: Rivettted Type Horizontal Cross	SS : Stainless Steel	600 mm	300 mm	60	1.5	1.5	B : 30 X 15
			400 mm				
	A : Aluminum	900 mm	500 mm	110	2	2	B : 30 X 15
			600 mm				
RHC	S	300	600	60	1.5	1.2	A

▲ = to generate the Ba'amer product code follow this example : **RHC-S-300-600-60-1.5-1.2A**

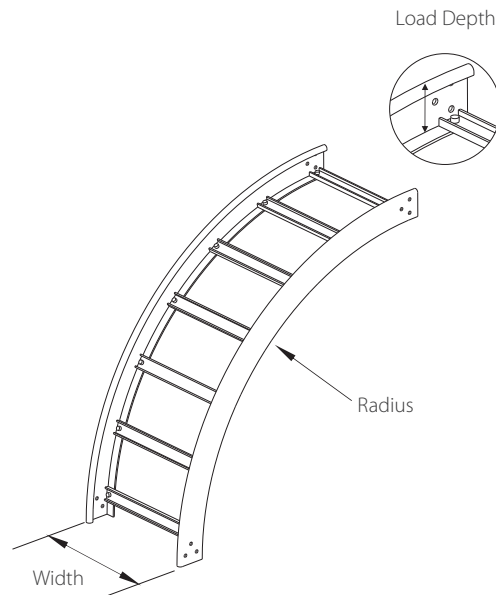
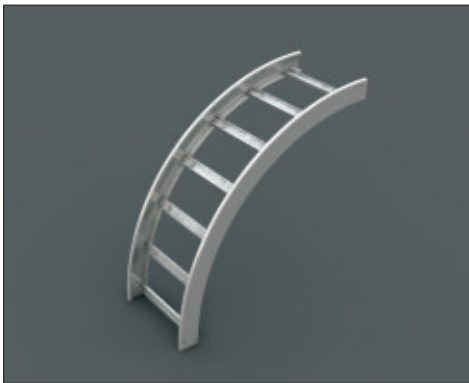
+ other sizes available on request

* dimension in mm

90 DEG VERTICAL INSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



Rivetted Type Fittings	Material	Radius	Width	Side Rail Height	Side Rail Thickness	Rung Thickness	Rung Dimension mm
90RVIE: 90 Deg Rivetted Type Vertical Inside Elbow	S : Steel	300 mm	150 mm	45	1.5	1.2	A : 22 X 10
			200 mm				
	SS : Stainless Steel	600 mm	300 mm	60		1.5	
			400 mm				
90RVOE: 90 Deg Rivetted Type Vertical Outside Elbow	A : Aluminum	900 mm	500 mm	110	2	2	B : 30 X 15
			600 mm				
90RVOE	S	300	600	60	1.5	1.2	A

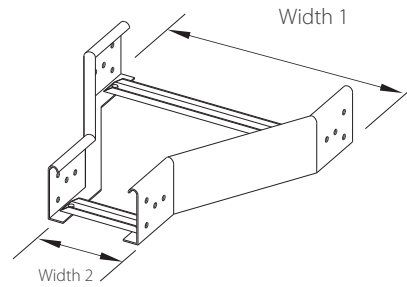
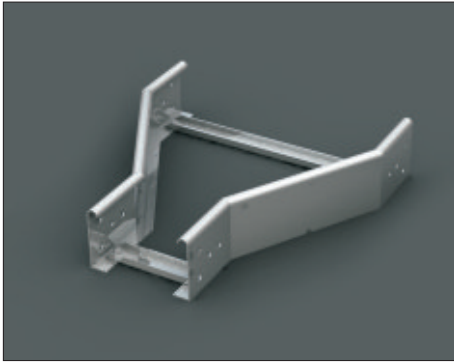
▲ = to generate the Ba'amer product code follow this example : **90RVOE-S-300-600-60-1.5-1.2A**

+ other sizes available on request

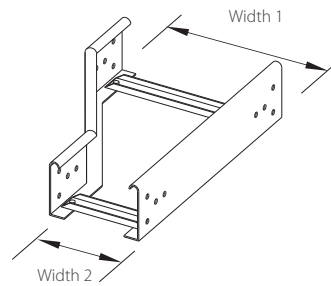
* dimension in mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

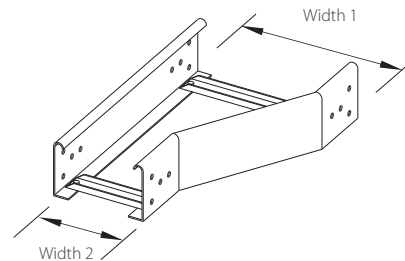
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER

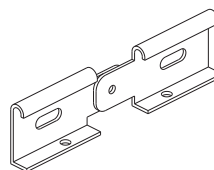
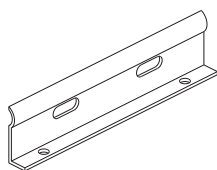


Rivettted Type Fittings	Material	Width 1	Width 2	Side Rail Height	Side Rail Thickness	Rung Thickness	Rung Dimension mm
RSR: Rivettted Type Straight Reducer	S : Steel	600 mm	150 mm	45	1.5	1.2	A : 22 X 10
		500 mm	200 mm				
RLHR: Rivettted Type Left Hand Reducer	SS : Stainless Steel	400 mm	300 mm	60		1.5	B : 30 X 15
		300 mm	400 mm				
RRHR: Rivettted Type Right Hand Reducer	A : Aluminum	200 mm	500 mm	110	2		
		600 mm	600 mm			2	
RSR	S	600	150	60	1.5	1.2	A
▲ = to generate the Ba'amer product code follow this example : RSR-S-600-150-60-1.5-1.2A							

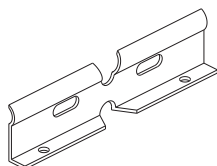
+ other sizes available on request


* dimension in mm

STRAIGHT CONNECTOR RIVETTED TYPE | VERTICAL ADJUSTABLE CONNECTOR RIVETTED TYPE



HORIZONTAL ANGLE COUPLING RIVETTED TYPE

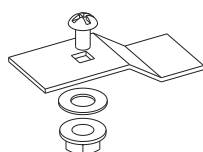


Rivetted Type Accessories	Material	Side Rail Height
RSC: Straight Connector Rivetted Type	S : Steel	45
RVAC: Vertical Adjustable Connector Rivetted Type	SS : Stainless Steel	60
RHAC: Horizontal Angle Coupling Rivetted Type	A : Aluminum	110
RSC	S	110
 = to generate the Ba'amer product code follow this example : RSC-S-110		

+ other sizes available on request

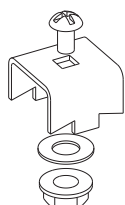
* dimension in mm

HOLD DOWN CLAMP




M6 x 30 Truss
Head Bolt included

CLAMPING PIECE

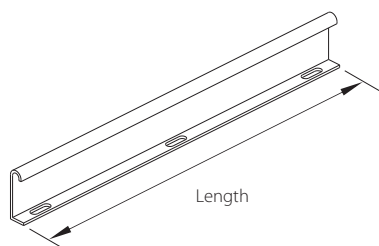


M6 x 30 Truss
Head Bolt included

Rivetted Type Accessories	Material
RHDC: Hold Down Clamp	S : Steel
RCP: Clamping Piece	SS : Stainless Steel
	A : Aluminum
RHDC	S
 = to generate the Ba'amer product code follow this example : RHDC-S	

+ other sizes available on request

SEPARATOR STRIP



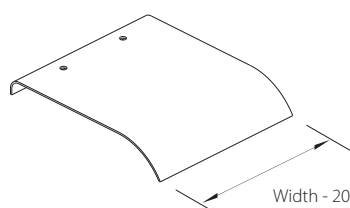
Rivettted Type Accessories	Material	Side Rail Height	Length
RSS: Rivettted Separator Strip	S: Steel	45	1000
	SS: Stainless Steel	60	1500
	A: Aluminum	110	2000
RSS	S	45	1000

▲ = to generate the Ba'amer product code follow this example : **RSS-S-45-1000**

+ other sizes available on request

* dimension in mm

DROP OUT



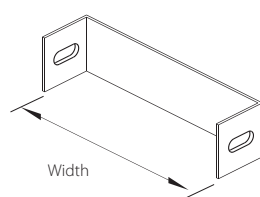
Rivettted Type Accessories	Material	Width
RDO: Rivettted Drop Out	S: Steel	150 mm
		200 mm
		300 mm
	SS: Stainless Steel	400 mm
		500 mm
	A: Aluminum	600 mm
RDO	S	600

▲ = to generate the Ba'amer product code follow this example : **RDO-S-600**

+ other sizes available on request

* dimension in mm

BLIND END



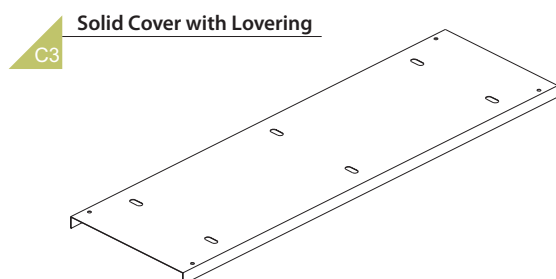
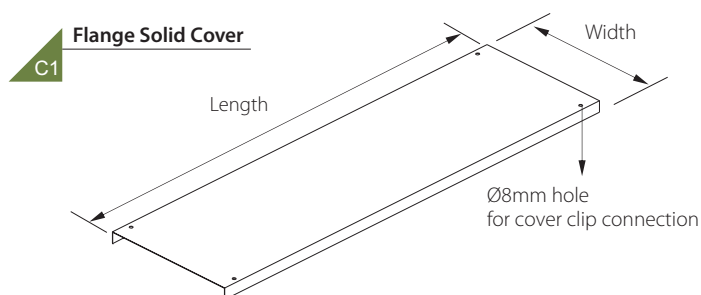
Rivettted Type Accessories	Material	Side Rail Height	Width
RBE : Rivettted Blind End	S: Steel	45	150 mm
			200 mm
			300 mm
	SS: Stainless Steel	60	400 mm
			500 mm
	A: Aluminum	110	600 mm
RBE	S	45	1000

▲ = to generate the Ba'amer product code follow this example : **RBE-S-45-1000**

+ other sizes available on request

* dimension in mm

STRAIGHT LENGTH COVERS

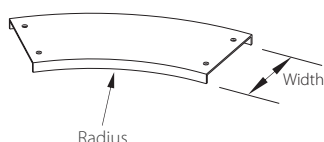


Rivetted Type Cable Ladder Covers	Cover Type	Material	Width	Length
RL	C1	S : Steel	150mm	2440mm
			200mm	3000mm
	C3	SS : Stainless Steel	300mm	3700mm
			400mm	4900mm
		A : Aluminum	500mm	6000mm
			600mm	7300mm
RL	C1	S	300	6000
▲ = to generate the Ba'amer product code follow this example : RL-C1-S-300-6000				

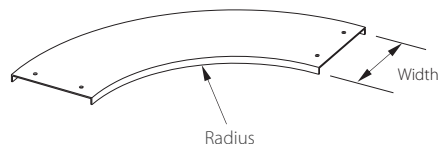
+ other sizes available on request

* dimension in mm

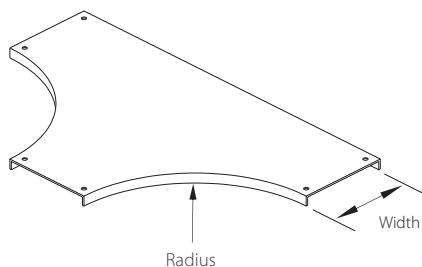
45 DEG HORIZONTAL ELBOW COVER



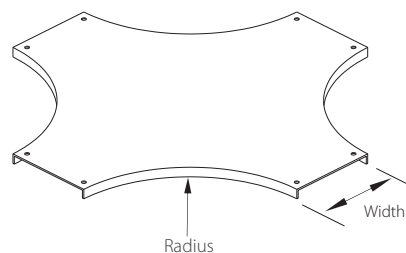
90 DEG HORIZONTAL ELBOW COVER



HORIZONTAL TEE COVER



HORIZONTAL CROSS COVER



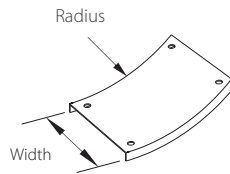
Rivetted Type Cable Ladder Covers	Cover Type	Material	Radius	Width
45RHE: 45 Deg Rivetted Horizontal Elbow	C1	S : Steel	300mm	150mm
90RHE: 90 Deg Rivetted Horizontal Elbow				200mm
RHT: Rivetted Horizontal Tee	C3	SS : Stainless Steel	600mm	300mm
				400mm
RHC: Rivetted Horizontal Cross		A : Aluminum	900mm	500mm
				600mm
45RHE	C3	S	300	400

▲ = to generate the Ba'amer product code follow this example : 45RHE-C3-S-300-400

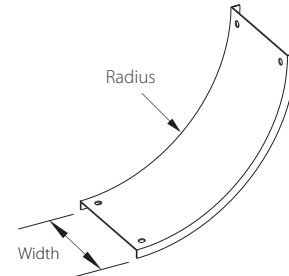
+ other sizes available on request

* dimension in mm

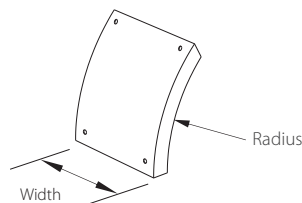
45 DEG VERTICAL INSIDE ELBOW



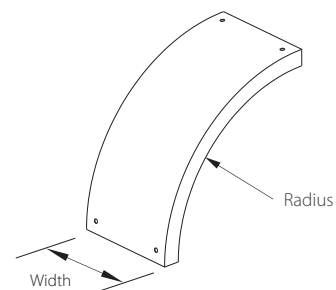
90 DEG VERTICAL INSIDE ELBOW



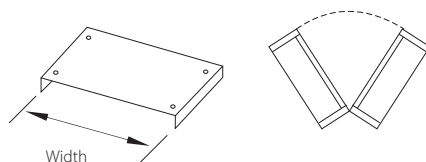
45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



HORIZONTAL ADJUSTABLE ELBOW



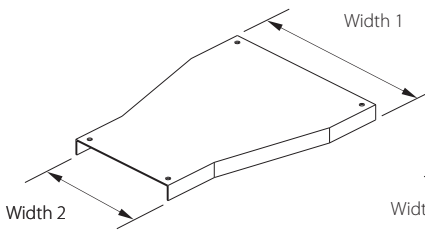
Rivetted Type Cable Ladder Covers	Cover Type	Material	Radius	Width 2
45RVIE: 45 Deg Rivetted Vertical Inside Elbow	C1	S : Steel	300mm	150mm
90RVIE: 90 Deg Rivetted Vertical Inside Elbow				200mm
45RVOE: 45 Deg Rivetted Vertical Outside Elbow	C3	SS : Stainless Steel	600mm	300mm
90RVOEC 90 Deg Rivetted Vertical Outside Elbow				400mm
RHAE: Rivetted Horizontal Adjustable Elbow		A : Aluminum	900mm	500mm
				600mm
90RVIE	C3	S	300	400
= to generate the Ba'amer product code follow this example : 90RVIE-C3-S-300-400				

+ other sizes available on request

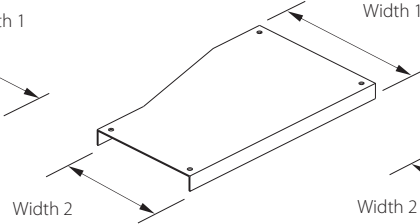
* dimension in mm

Rivettted Type Cable Ladder - Covers

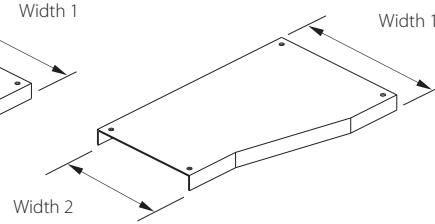
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER



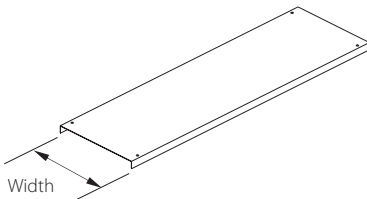
Rivettted Type Cable Ladder Covers	Cover Type	Material	Width 1	Width 2
RSR: Rivettted Straight Reducer	C1	S : Steel	600mm	150mm
			500mm	200mm
RLHR: Rivettted Left Hand Reducer	C3	SS : Stainless Steel	400mm	300mm
			300mm	400mm
RRHR: Rivettted Right Hand Reducer	C3	A : Aluminum	200mm	500mm
			150mm	600mm
RRHR	C1	S	400	150

▲ = to generate the Ba'amer product code follow this example : **RRHR-C1-S-400-150**

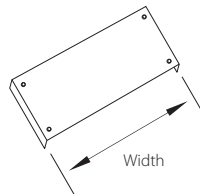
+ other sizes available on request

* dimension in mm

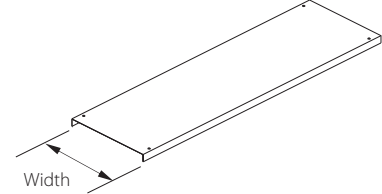
VERTICAL TEE



VERTICAL ADJUSTABLE ELBOW



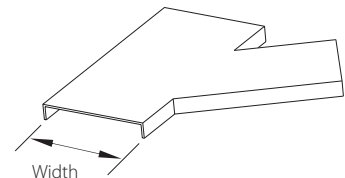
VERTICAL SUPPORT ELBOW



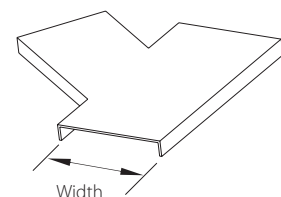
Rivettted Type Cable Ladder Covers	Cover Type	Material	Width
RVT: Rivettted Vertical Tee	C1	S : Steel	150mm
RVAE: Rivettted Vertical Adjustable Elbow			200mm
RVSE: Rivettted Vertical Support Elbow	C3	SS : Stainless Steel	300mm
			400mm
RRYB: 45 Deg Rivettted Right Y Branch	C3	A : Aluminum	500mm
RLYB: 45 Deg Rivettted Left Y Branch			600mm
RLYB	C1	S	150

▲ = to generate the Ba'amer product code follow this example : **RLYB-C1-S-150**

45 DEG CORRUGATED RIGHT 'Y' BRANCH



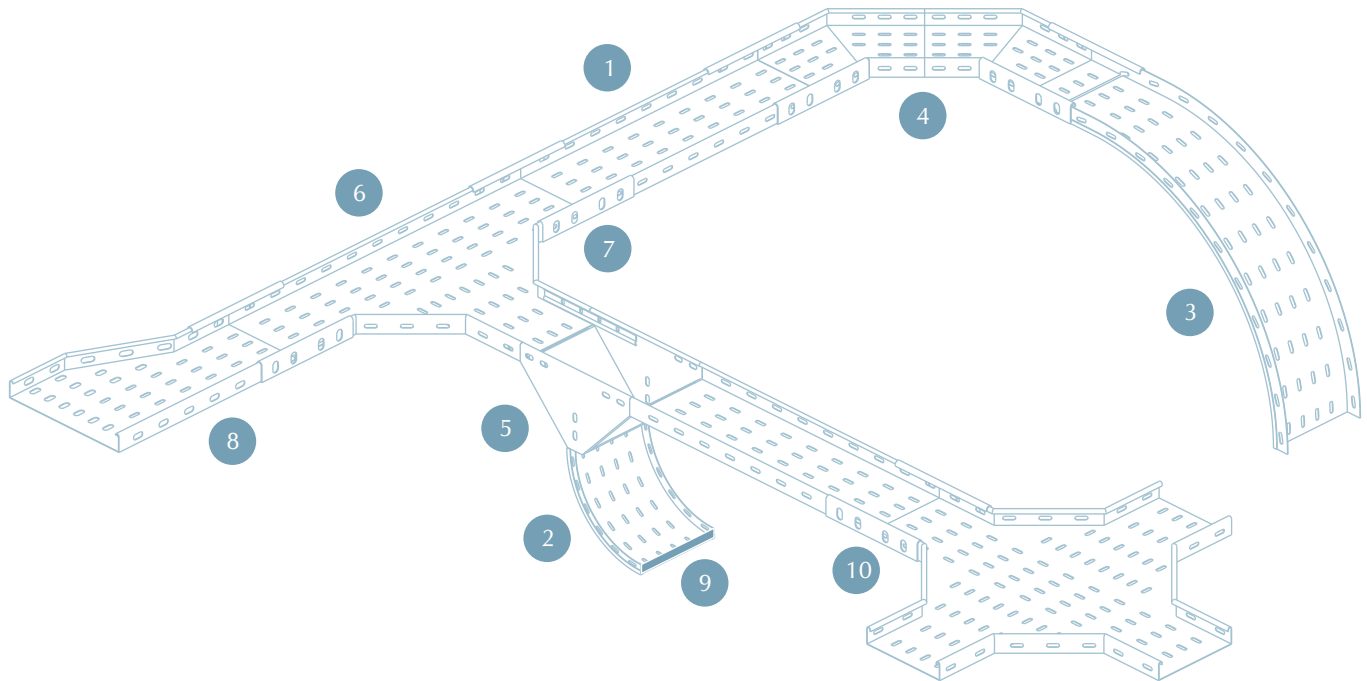
45 DEG CORRUGATED LEFT 'Y' BRANCH



+ other sizes available on request

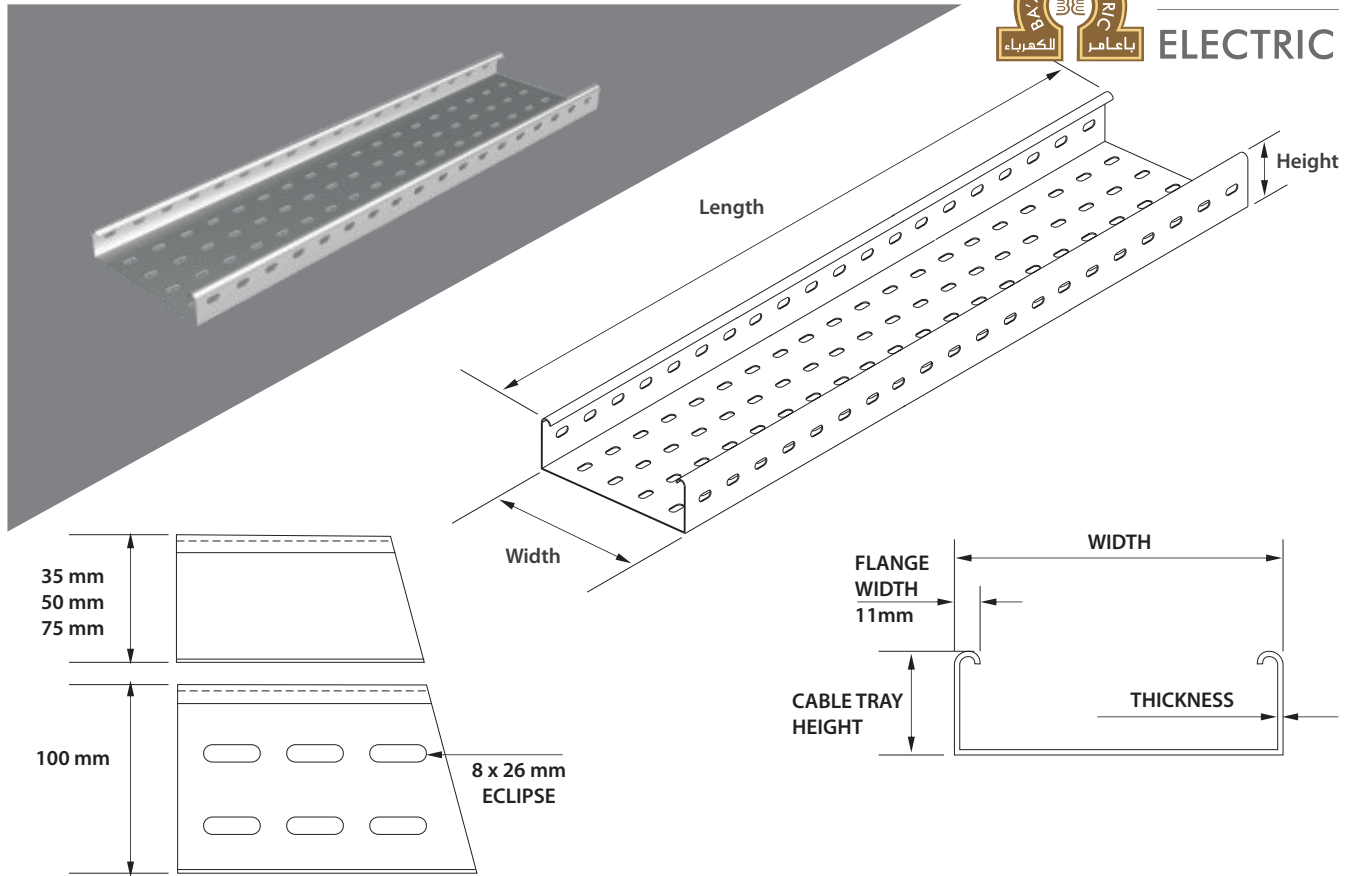
* dimension in mm

PERFORATED CABLE TRAY



1. Cable Tray Straight
2. 45 Deg Inside Vertical Elbow
3. 90 Deg Outside Vertical Elbow
4. 90 Deg Horizontal Elbow
5. Vertical Tee Piece inline
6. Horizontal Tee
7. Wrapover Joint Piece
8. Left Hand Reducer
9. Blind End
10. Straight Joint Piece

Perforated Type - Straight Cable Tray

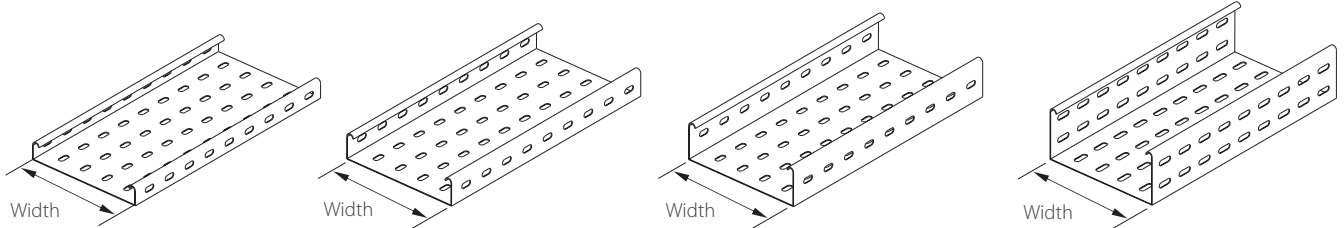


35-mm Height Straight

50-mm Height Straight

75-mm Height Straight

100-mm Height Straight



Cable Tray	Material	Thickness	Height	Width	Length	Flange Type
CT	S : Steel	1 mm	35 mm	50	2440mm	I: Inside Flange
				100		
				150		
	SS : Stainless Steel	1.5 mm	50 mm	200	3000mm	O: Outside Flange
				300		
				400		
	A : Aluminum	2 mm	75 mm	500		P: Without Flange
				600		
				900		
CT	S	1.5	50	600	3000	P

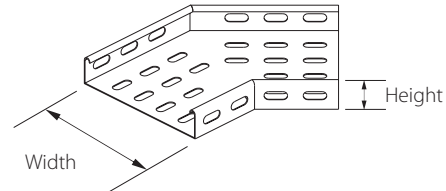
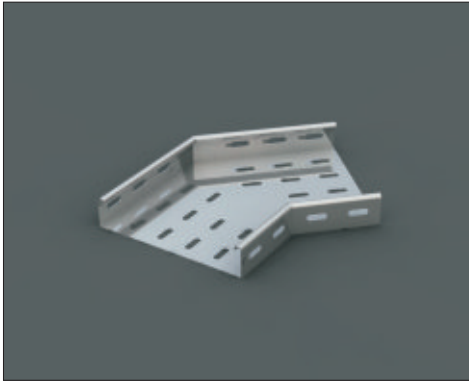
▲ = to generate the Ba'amer product code follow this example : CT-S-1.5-50-600-3000-P

+ other sizes available on request

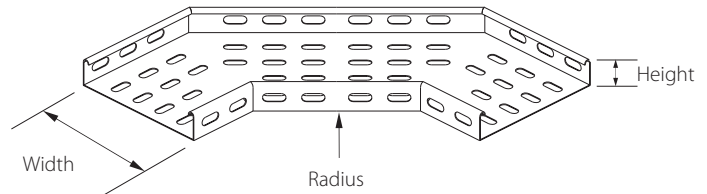
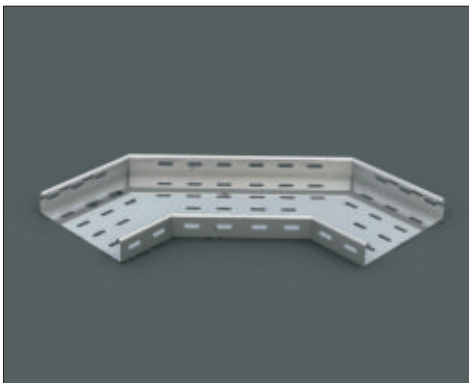
* dimension in mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

45 DEG HORIZONTAL ELBOW



90 DEG HORIZONTAL ELBOW



Perforated Fittings	Material	Thickness	Radius	Width	Height	Flange Type
45PHE: 45 Deg Perforated Horizontal Elbow	S : Steel	1 mm	300 mm	50	35 mm	I: Inside Flange
				100		
				SS : Stainless Steel	1.5 mm	600 mm
200						
90PHE: 90 Deg Perforated Horizontal Elbow	A : Aluminum	2 mm	600 mm			
				400		
				500	100 mm	
				600		
900						
45PHE	S	1.5	600	400	50	I

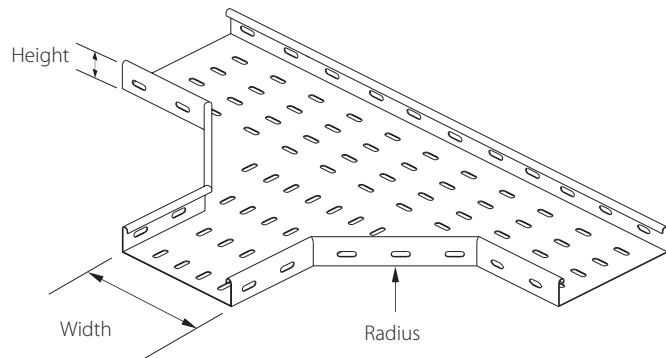
= to generate the Ba'amer product code follow this example :

45PHE-S-1.5-600-400-50-I

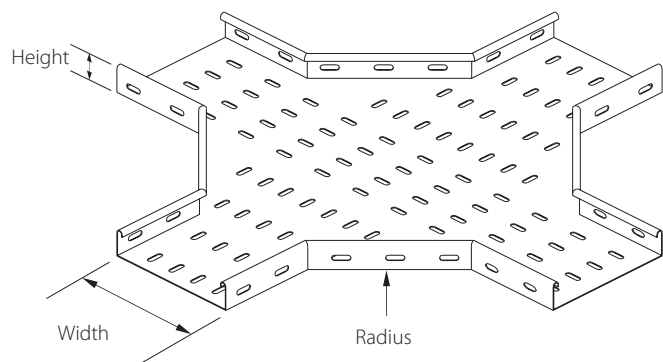
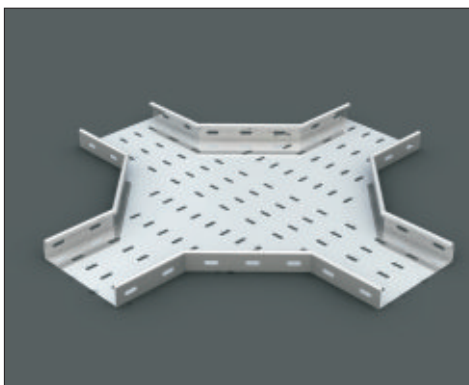
+ other sizes available on request

* dimension in mm

HORIZONTAL TEE



HORIZONTAL CROSS



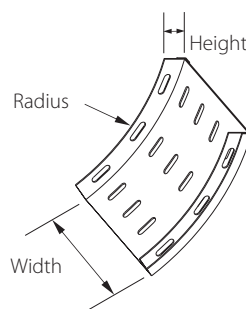
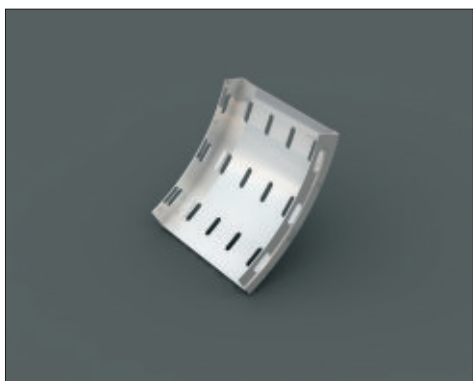
Perforated Fittings	Material	Thickness	Radius	Width	Height	Flange Type
PHT: Perforated Horizontal Tee	S : Steel	1 mm	300 mm	50	35 mm	I: Inside Flange
				100		
				150	50 mm	
	SS : Stainless Steel	1.5 mm		200		
PHC: Perforated Horizontal Cross	A : Aluminum	2 mm	600 mm	300	75 mm	O: Outside Flange
				400		
				500	100 mm	P: Without Flange
				600		
				900		
PHC	S	2	600	400	75	I

▲ = to generate the Ba'amer product code follow this example : **PHC-S-2-600-400-75-I**

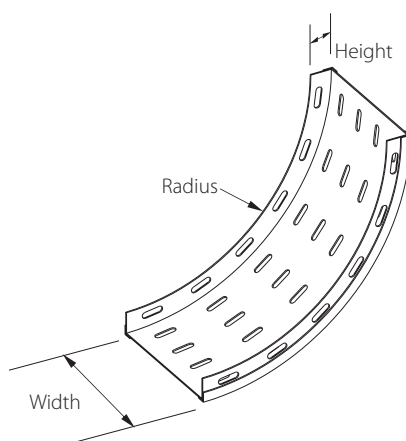
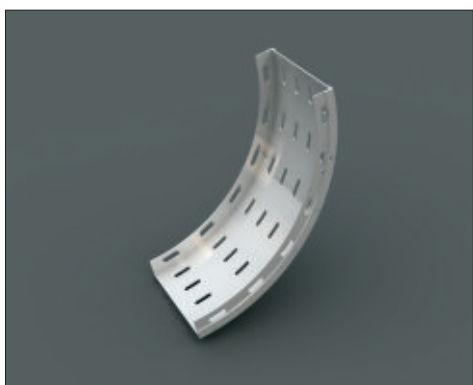
+ other sizes available on request

* dimension in mm


45 DEG VERTICAL INSIDE ELBOW



90 DEG VERTICAL INSIDE ELBOW



Perforated Fittings	Material	Thickness	Radius	Width	Height
45PVIE: 45 Deg Perforated Vertical Inside Elbow	S : Steel	1 mm	300 mm	50	35 mm
				100	
				150	50 mm
	SS : Stainless Steel	1.5 mm		200	
400					
A : Aluminum			2 mm	500	100 mm
	600				
	900				
90PVIE	S	1.5	600	400	50

 = to generate the Ba'amer product code follow this example : 90PVIE-S-1.5-600-400-50

+ other sizes available on request

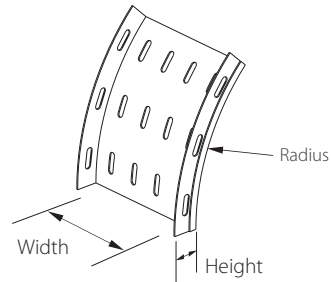
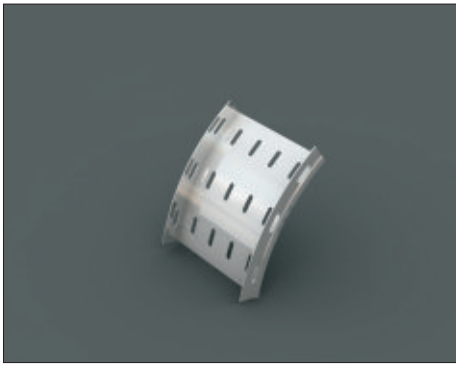
* dimension in mm

Perforated Type Cable Tray - Fittings

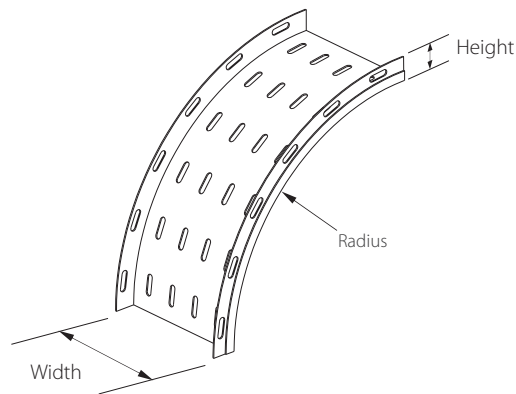
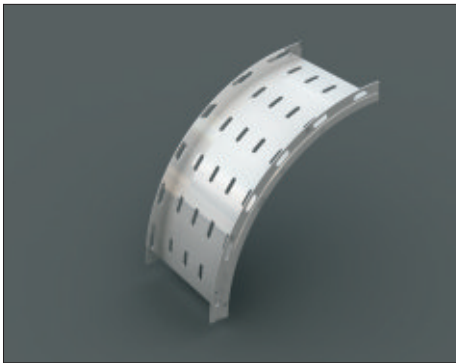


BA'AMER
ELECTRIC

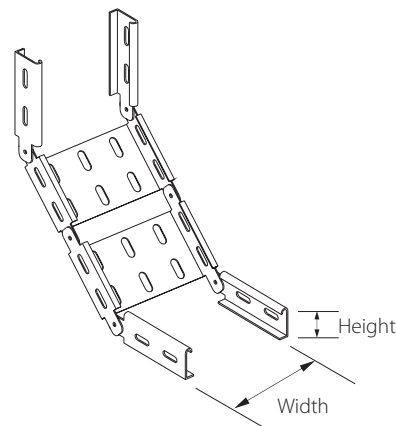
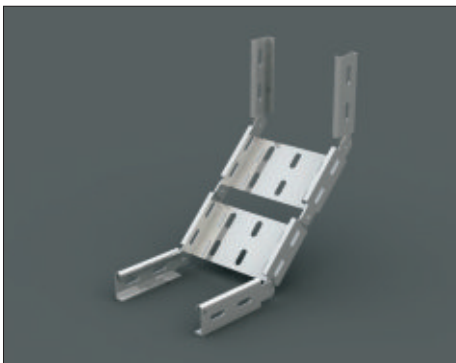
45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



VERTICAL ADJUSTABLE ELBOW



Perforated Fittings	Material	Thickness	Radius	Width	Height
45PVOE: 45 Deg Perforated Vertical Outside Elbow	S : Steel	1 mm	300 mm	50	35 mm
				100	
				150	
90PVOE: 90 Deg Perforated Vertical Outside Elbow	SS : Stainless Steel	1.5 mm	600 mm	200	50 mm
				300	75 mm
				400	
PVAE: Perforated Vertical Adjustable Elbow	A : Aluminum	2 mm	600 mm	500	100 mm
				600	
				900	
PVAE	S	2	600	500	75

▲ = to generate the Ba'amer product code follow this example : **PVAE-S-2-600-500-75**

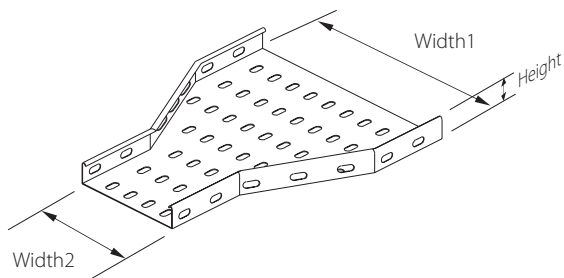
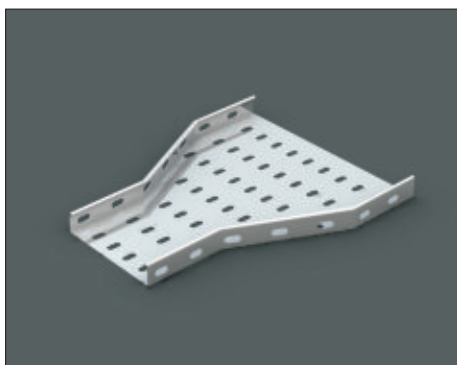
+ other sizes available on request

* dimension in mm

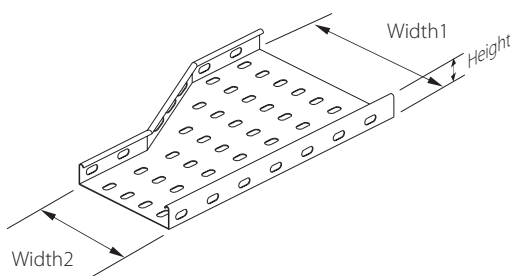
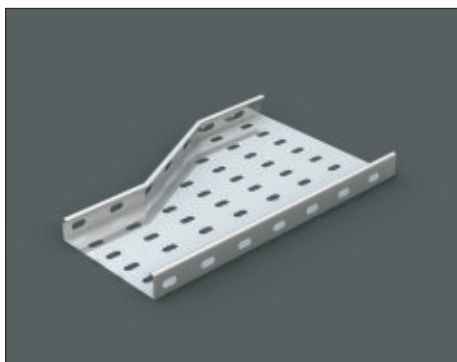
*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

Perforated Type Cable Tray - Fittings

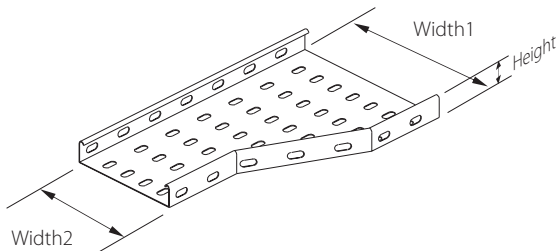
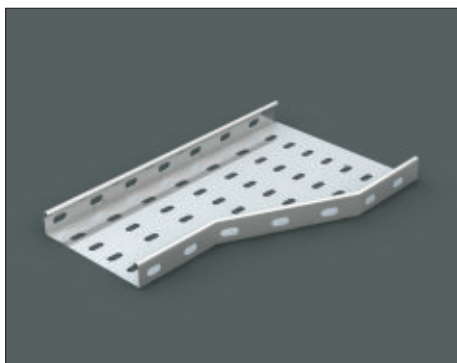
STRAIGHT REDUCER


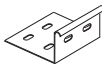




LEFT HAND REDUCER



RIGHT HAND REDUCER



Perforated Fittings	Material	Thickness	Width 1	Width 2	Height	Flange Type
PSR: Perforated Straight Reducer	S : Steel	1 mm	900	50	35 mm	I:  Inside Return Flange
			600	100		
			500	150		
PLHR: Perforated Left Hand Reducer	SS : Stainless Steel	1.5 mm	400	200	50 mm	O:  Outside Return Flange
			300	300	75 mm	
			200	400		
PRHR: Perforated Right Hand Reducer	A : Aluminum	2 mm	150	500	100 mm	P:  Without Flange
			100	600		
			50	900		
PSR	S	1.5	900	500	35	I

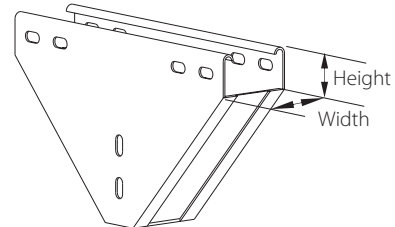
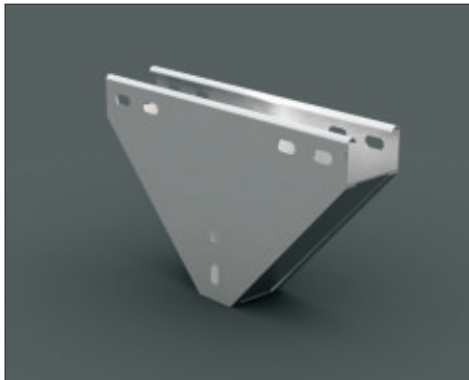
 = to generate the Ba'amer product code follow this example : PSR-S-1.5-900-500-35-I

▲ = to generate the Ba'amer product code follow this example : **PSR-S-1.5-900-500-35-I**

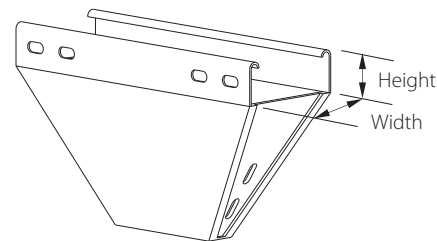
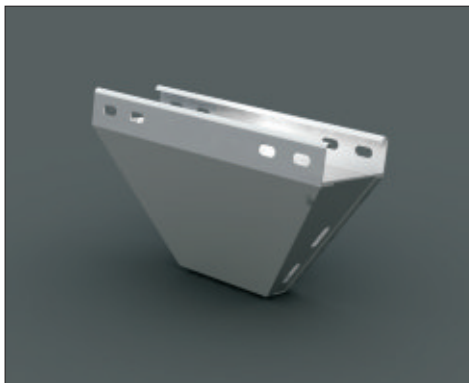
+ other sizes available on request

* dimension in mm

VERTICAL INLINE TEE



VERTICAL OFFSET TEE



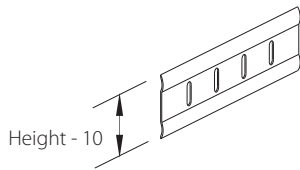
Perforated Fittings	Material	Thickness	Width	Height	Flange Type
PVIT: Perforated Vertical Inline Tee	S : Steel	1 mm	50	35 mm	I: Inside Return Flange
			100		
			150	50 mm	
	SS : Stainless Steel	1.5 mm	200		
			300		
PVOT: Perforated Vertical Offset Tee	A : Aluminum	2 mm	400	75 mm	O: Outside Return Flange
			500		
			600	100 mm	P: Without Flange
	900				
	PVIT	S	1.5	200	75

▲ = to generate the Ba'amer product code follow this example : PVIT-S-1.5-200-75-I

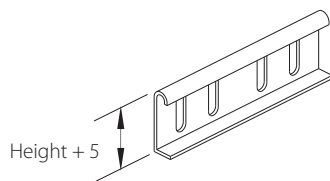
+ other sizes available on request

* dimension in inch or mm

STRAIGHT CONNECTOR



WRAPOVER CONNECTOR

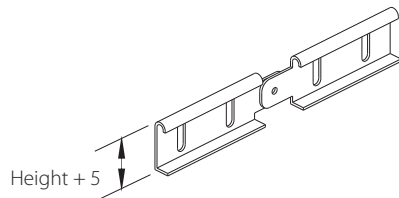


Perforated Tray Type Accessories	Material	Side Rail Height
PSC: Straight Connector	S : Steel	35mm
PWC: Wrapover Connector		50mm
PVAC: Vertical Adjustable Connector	SS : Stainless Steel	75mm
PAC: Angle Coupling		100mm
PHDC: Hold Down Clamp	A : Aluminum	100mm
PSC	A	100

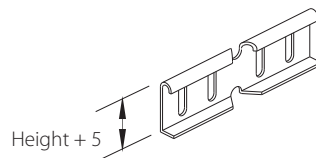
▲ = to generate the Ba'amer product code follow this example : **PSC-A-100**

* dimension in mm

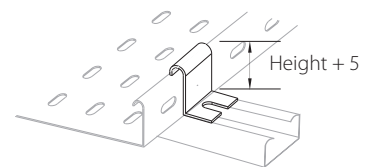
VERTICAL ADJUSTABLE CONNECTOR



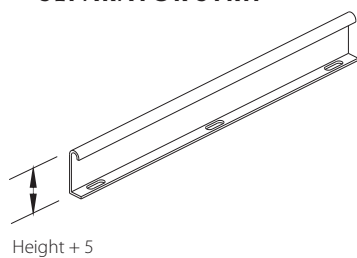
ANGLE COUPLING



HOLD DOWN CLAMP



SEPARATOR STRIP

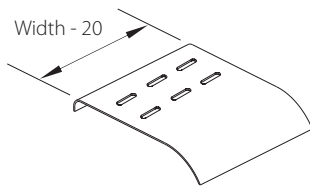


Perforated Tray Type Accessories	Material	Side Rail Height	Side Rail Height
PSS : Separator Strip	S : Steel	35mm	1000mm
	SS : Stainless Steel	50mm	1500mm
		75mm	2000mm
	A : Aluminum	100mm	3000mm
PSS	A	100	3000

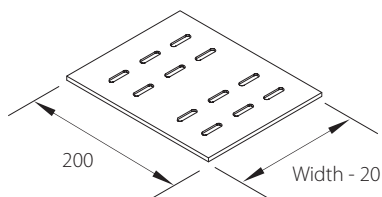
▲ = to generate the Ba'amer product code follow this example : **PSS-A-100-3000**

* dimension in mm

DROP OUT



PFP: FISH PLATE

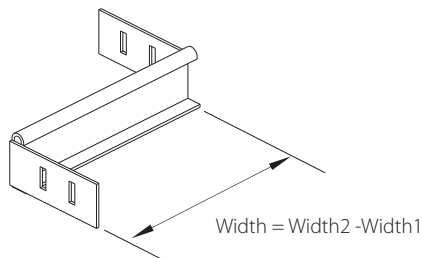


Perforated Tray Type Accessories	Material	Width
PDO : Drop Out	S : Steel	50mm
		100mm
		150mm
PFP: Fish Plate	SS : Stainless Steel	200mm
		300mm
		400mm
		500mm
		600mm
	A : Aluminum	900mm
PDO	S	900

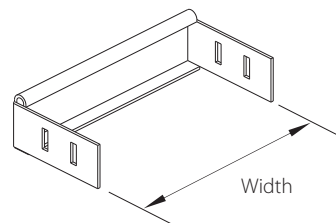
▲ = to generate the Ba'amer product code follow this example : PDO-S-900

* dimension in mm

REDUCING CONNECTOR



TRAY BLIND END



Perforated Tray Type Accessories	Material	Side Rail Height	Width
PBE : Perforated Tray Blind End	S : Steel	35mm	150 mm
			200 mm
		50mm	300 mm
PRC: Reducing Connector	SS : Stainless Steel	75mm	400 mm
			500 mm
		100mm	600 mm
PBE	S	100	600

▲ = to generate the Ba'amer product code follow this example : PBE-S-100-600

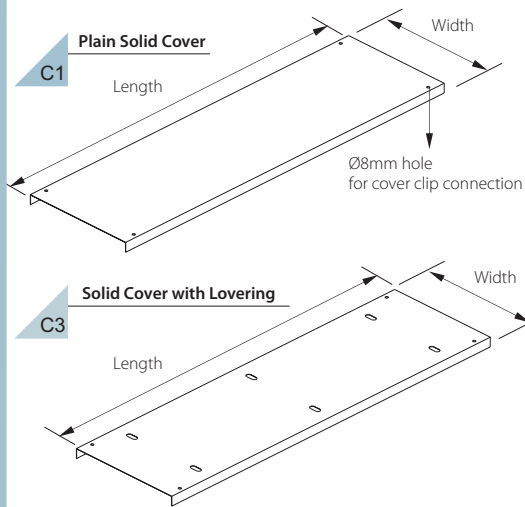
* dimension in mm

Perforated Type Cable Tray - Covers



BA'AMER
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STRAIGHT LENGTH COVERS

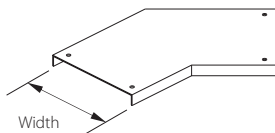


Perforated Tray Covers	Cover Type	Material	Width	Length
PT	C1	S : Steel	50	2440mm
			100	
			150	
	C3	SS : Stainless Steel	200	3000mm
			300	
			400	
		A : Aluminum	500	
			600	
			900	
PT	C1	A	900	3000

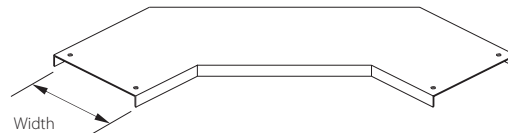
+ other sizes available on request

*dimension in mm

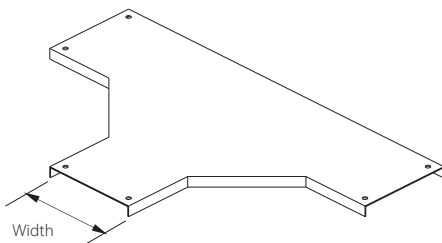
45 DEG HORIZONTAL ELBOW



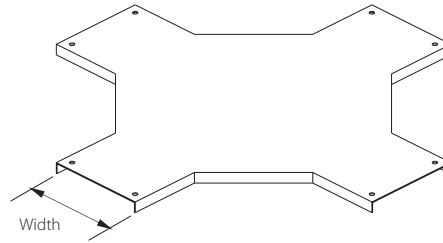
90 DEG HORIZONTAL ELBOW




HORIZONTAL TEE



HORIZONTAL CROSS



Perforated Fittings Covers	Cover Type	Material	Radius	Width		
45PHE: 45 Deg Perforated Horizontal Elbow	C1	S : Steel	300 mm	50		
90PHE: 90 Deg Perforated Horizontal Elbow				SS : Stainless Steel	100	
		150				
PHT: Perforated Horizontal Tee		C3		A : Aluminum	600 mm	200
	300					
	PHC: Perforated Horizontal Cross					400
						500
				600		
				900		
90PHE	C1	S	600	400		

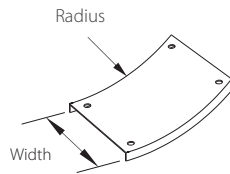
 = to generate the Ba'aмер product code follow this example : 90PHE-C1-S-600-400

▲ = to generate the Ba'amer product code follow this example : 90PHE-C1-S-600-400

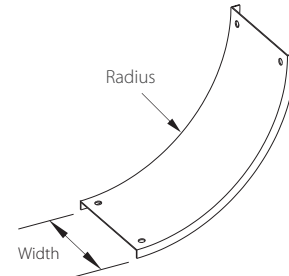
+ other sizes available on request

*dimension in mm

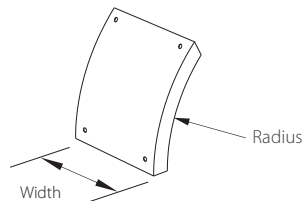
45 DEG VERTICAL INSIDE ELBOW



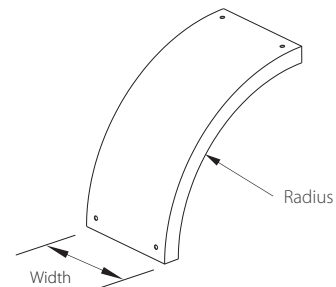
90 DEG VERTICAL INSIDE ELBOW



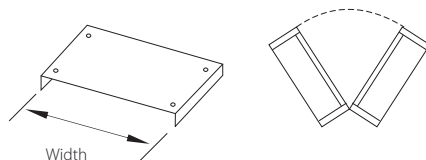
45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



HORIZONTAL ADJUSTABLE ELBOW



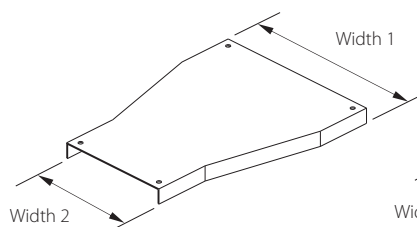
Perforated Fittings Covers	Cover Type	Material	Radius	Width
45PVIE: 45 Deg Perforated Vertical Inside Elbow	C1	S : Steel	300 mm	50
90PVIE: 90 Deg Perforated Vertical Inside Elbow				100
45PVOE: 45 Deg Perforated Vertical Outside Elbow		SS : Stainless Steel		150
90PVOE: 90 Deg Perforated Vertical Outside Elbow				200
PVAE: Perforated Vertical Adjustable Elbow	C3	A : Aluminum	600 mm	300
				400
		500		
		600		
				900
90PVOE	C1	S	600	400

▲ = to generate the Ba'amer product code follow this example : **90PVOE-C1-S-600-400**

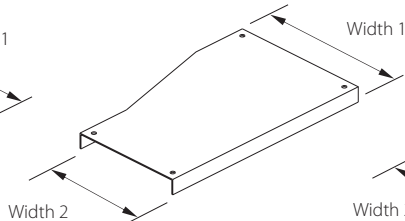
+ other sizes available on request

* dimension in mm

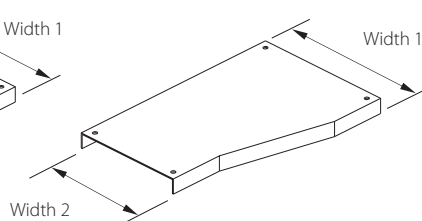
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER



Perforated Fittings Covers	Cover Type	Material	Width 1	Width 2
PSR: Perforated Straight Reducer	C1	S : Steel	900	50
			600	100
			500	150
PLHR: Perforated Left Hand Reducer	C3	SS : Stainless Steel	400	200
			300	300
			200	400
PRHR: Perforated Right Hand Reducer	C3	A : Aluminum	150	500
			100	600
			50	900
PSR	C1	S	900	500

▲ = to generate the Ba'amer product code follow this example : PSR-C1-S-900-500

+ other sizes available on request

* dimension in mm

Perforated Fittings Covers	Cover Type	Material	Width
PVIT : Perforated Vertical Inline Tee	C1	S : Steel	50
			100
			150
PVOT : Perforated Vertical Offset Tee	C3	SS : Stainless Steel	200
			300
			400
	C3	A : Aluminum	500
			600
			900
PVIT	C1	S	900

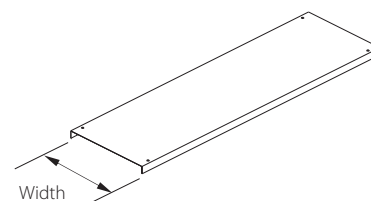
▲ = to generate the Ba'amer product code follow this example : PVIT-C1-S-900

+ other sizes available on request

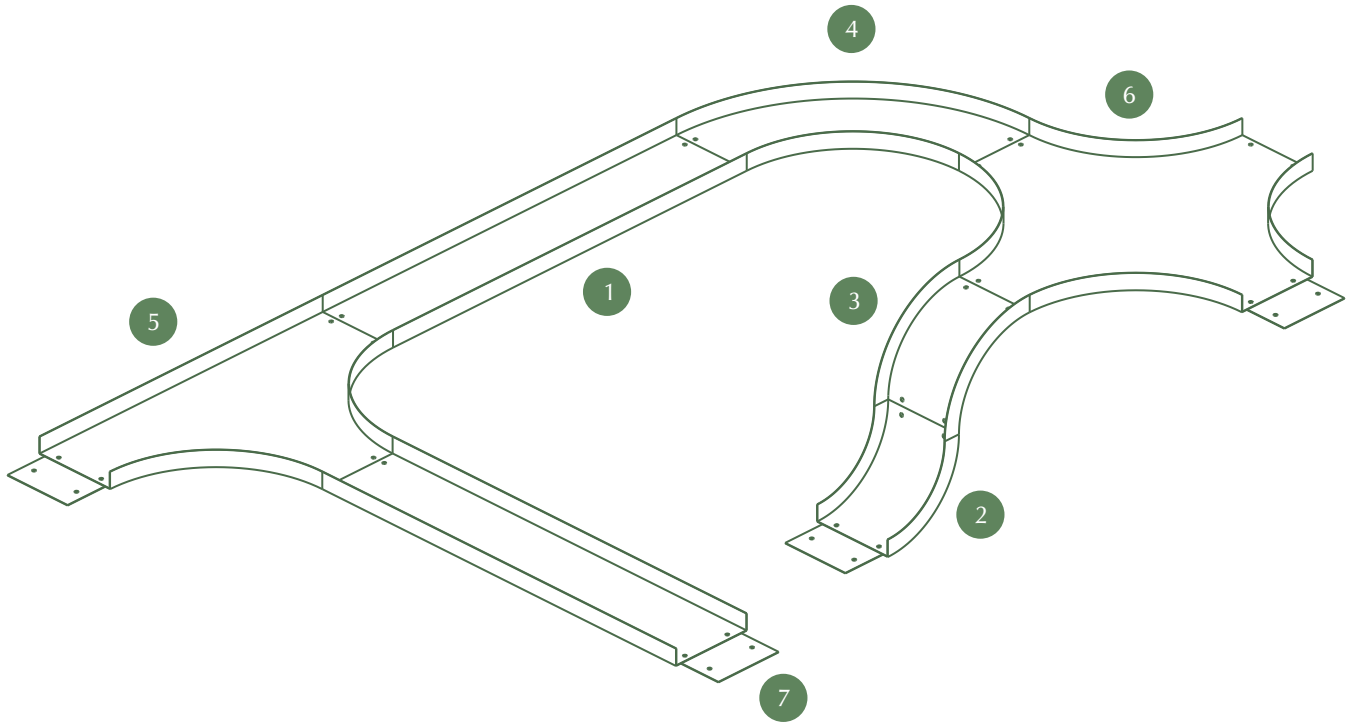
* dimension in mm

VERTICAL INLINE TEE

VERTICAL OFFSET TEE



CHANNEL TYPE CABLE TRAY

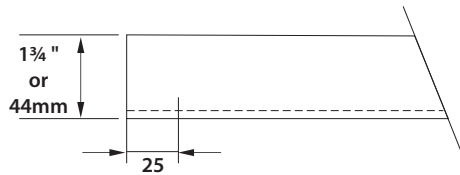
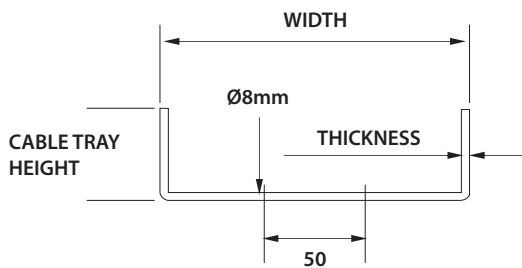
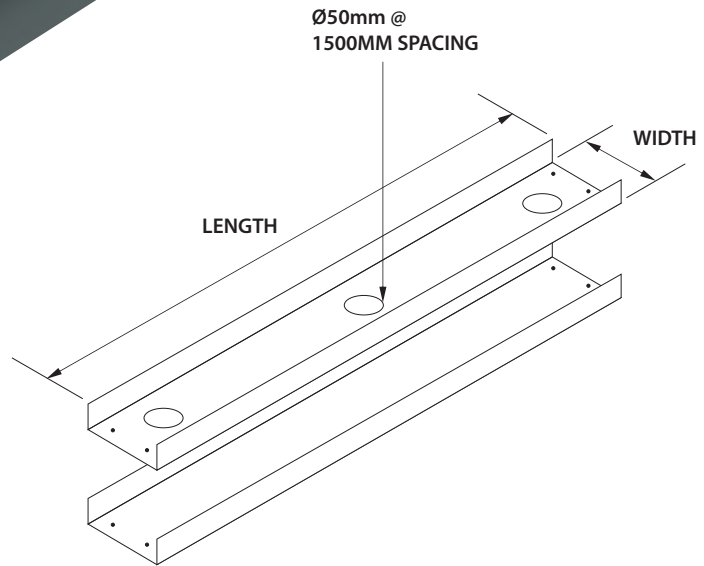
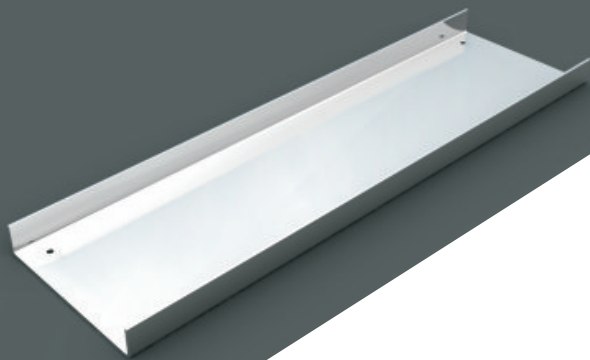



1. Cable Ladder Straight
2. 90 Deg Inside Vertical Elbow
3. 90 Deg Outside Vertical Elbow
4. 90° Horizontal Elbow
5. Horizontal Tee
6. Horizontal Cross
7. Universal Connector

Channel Type Straight Cable Tray



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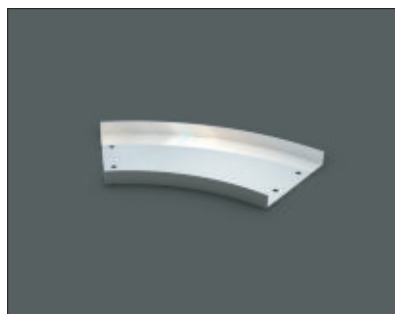
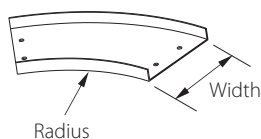
Channel Type Tray	Material	Thickness	Width	Length		Type
CT	S : Steel	1 mm	75 mm	08	2440mm	V : Ventilated
	SS : Stainless Steel	1.5 mm	100 mm	10	3000mm	
		2 mm				N : Non Ventilated
	A : Aluminum	2.5	150 mm	12	3700mm	
CT	S	1.5	150	3000		V
<div> = to generate the Ba'amer product code follow this example : CT-S-1.5-150-3000-V</div>						

+ other sizes available on request

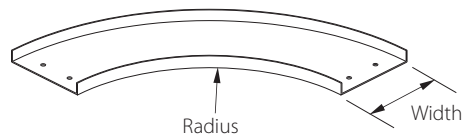
* dimension in inch or mm and feet or mm for length

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

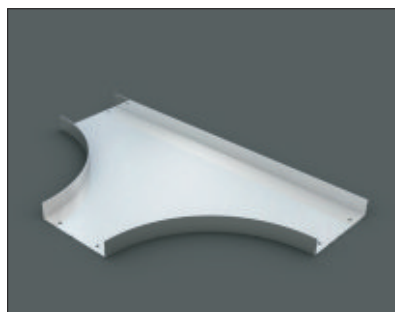
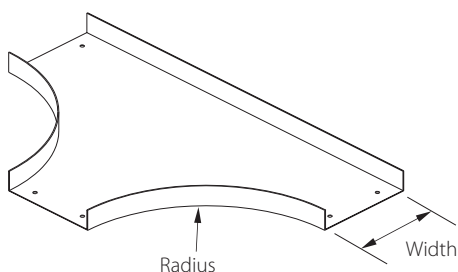
45 DEG HORIZONTAL ELBOW



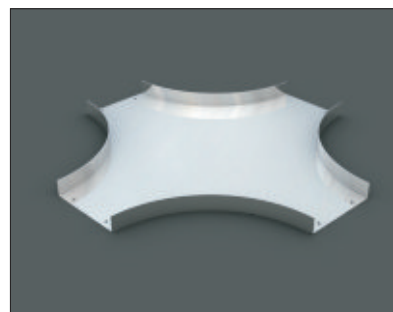
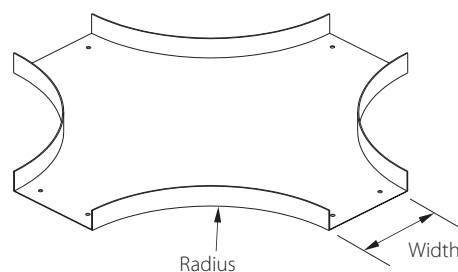
90 DEG HORIZONTAL ELBOW



HORIZONTAL TEE



HORIZONTAL CROSS



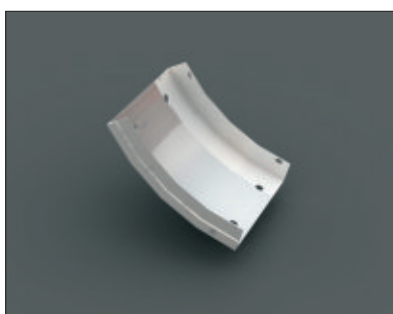
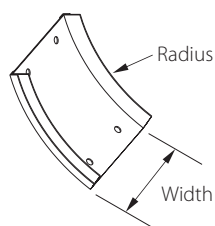
Channel Type Tray	Material	Thickness	Radius	Width	Type
45CHE: 45 Deg Channel Type Horizontal Elbow	S : Steel	1 mm	300 mm	75 mm	V : Ventilated
90CHE: 90 Deg Channel Type Horizontal Elbow	SS : Stainless Steel	1.5 mm	600 mm	100mm	
CHT: Channel Type Horizontal Tee	A : Aluminum	2 mm	900 mm	150mm	N : Non Ventilated
CHC: Channel Type Horizontal Cross		2.5			
45CHE	S	1.5	600	150	V

▲ = to generate the Ba'amer product code follow this example : 45CHE-S-1.5-600-150-V

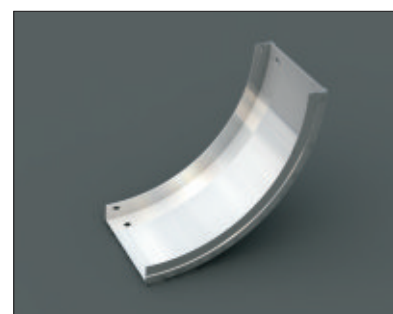
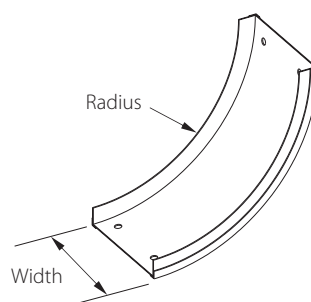
+ other sizes available on request

* dimension in mm

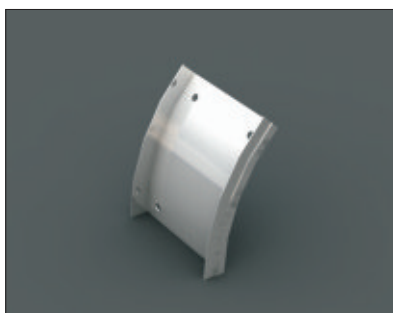
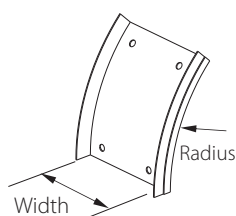
45 DEG VERTICAL INSIDE ELBOW



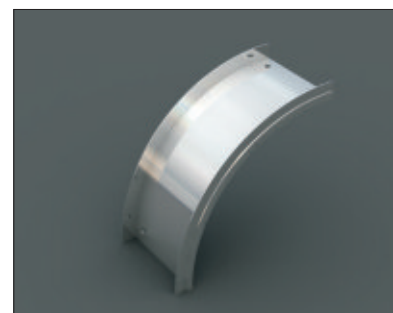
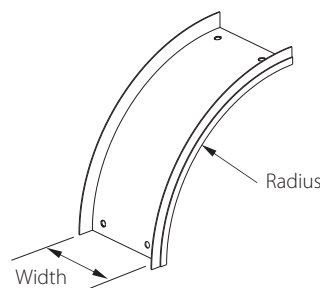
90 DEG VERTICAL INSIDE ELBOW



45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



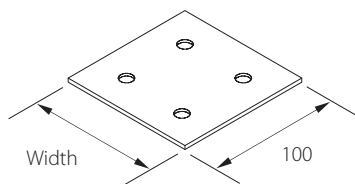
Channel Type Tray	Material	Thickness	Radius	Width	Type
90CVIE: 90 Deg Channel Type Vertical Inside Elbow	S : Steel	1 mm	300 mm	75 mm	V : Ventilated
45CVIE: 45 Deg Channel Type Vertical Inside Elbow	SS : Stainless Steel	1.5 mm	600 mm	100mm	
90CVOE: 90 Deg Channel Type Vertical Outside Elbow	A : Aluminum	2 mm	900 mm	150mm	N : Non Ventilated
45CVOE: 45 Deg Channel Type Vertical Outside Elbow		2.5	900 mm	150mm	
90CVOE	S	1.5	600	150	V

▲ = to generate the Ba'amer product code follow this example : 90CVOE -S-1.5-600-150-V

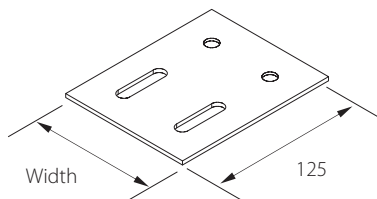
+ other sizes available on request

* dimension in mm

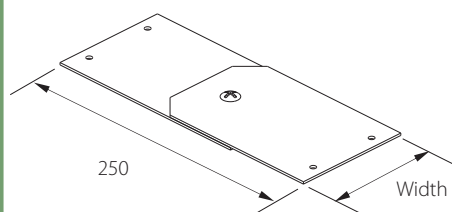
UNIVERSAL CONNECTOR



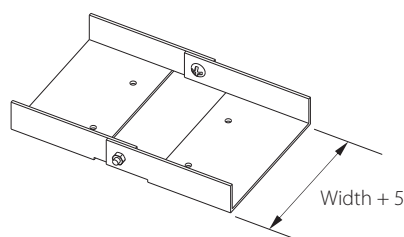
EXPANSION CONNECTOR



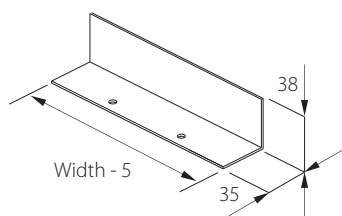
VERTICAL ADJUSTABLE CONNECTOR



HORIZONTAL ADJUSTABLE CONNECTOR



BLIND END TYPE

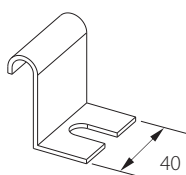


Channel Type Accessories	Material	Width
CUC: Universal Connector	S : Steel	75 mm
CEC: Expansion Connector		
CVAC: Vertical Adjustable Connector	SS : Stainless Steel	100mm
CHAC: Horizontal Adjustable Connector		
CBE: Blind End	A : Aluminum	150mm
CUC		

▲ = to generate the Ba'amer product code follow this example : CUC-S-150

* dimension in mm

HOLD DOWN CLAMP



Channel Type Accessories	Material
CHDC: Hold Down Clamp	S : Steel
	SS : Stainless Steel
	A : Aluminum
CHDC	S

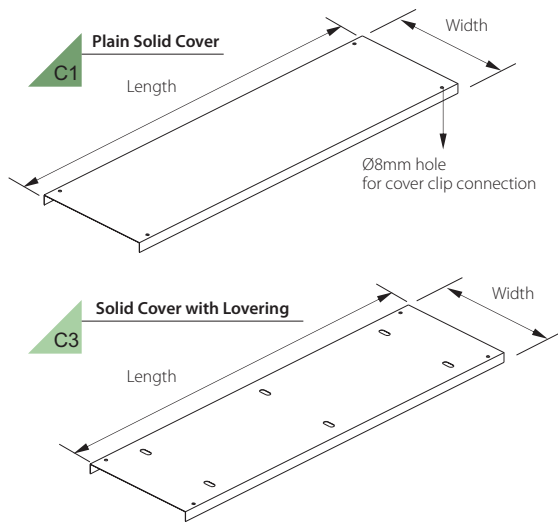
▲ = to generate the Ba'amer product code follow this example : CHDC-S

Channel Type Cable Tray - Covers



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STRAIGHT LENGTH COVERS



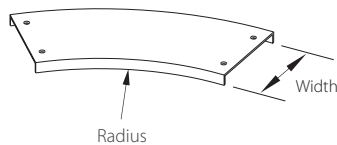
Cover For Channel Type	Cover Type	Material	Width	Length
CTC	C1	S : Steel	75mm	8 2440mm
		SS : Stainless Steel	100mm	10 3000mm
	C3	A : Aluminum	150mm	12 3700mm
CTC	C1	A	75	3000

▲ = to generate the Ba'amer product code follow this example: **CTC-C1-A-75-3000**

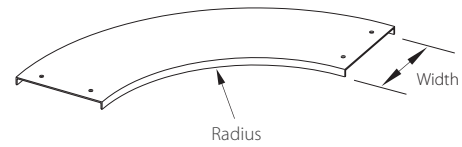
+ other sizes available on request

* dimension in inch or mm and feet or mm for length

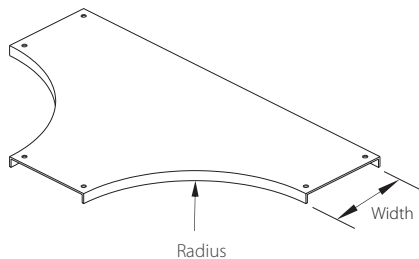
45 DEG HORIZONTAL ELBOW COVER



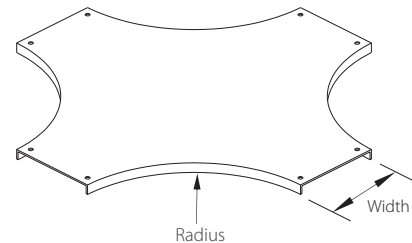
90 DEG HORIZONTAL ELBOW COVER



HORIZONTAL TEE COVER



HORIZONTAL CROSS COVER



Cover For Channel Type Fittings	Cover Type	Material	Radius	Width
45CHE: 45 Deg Channel Type Horizontal Elbow Cover	C1	S : Steel	300mm	75mm
90CHE: 90 Deg Channel Type Horizontal Elbow Cover		SS : Stainless Steel	600mm	100mm
CHT: Channel Type Horizontal Tee Cover	C3	A : Aluminum	900mm	150mm
CHC: Channel Type Horizontal Cross Cover				
90CHE	C1	S	600	150

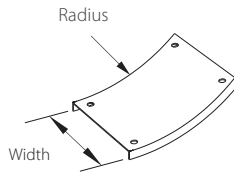
▲ = to generate the Ba'amer product code follow this example: **90CHE-C1-S-600-150**

+ other sizes available on request

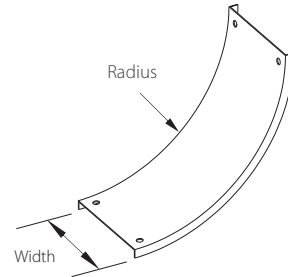
* dimension in mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

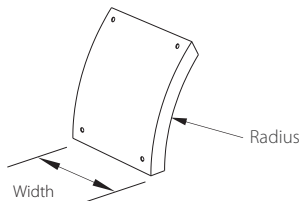
45 DEG VERTICAL INSIDE ELBOW



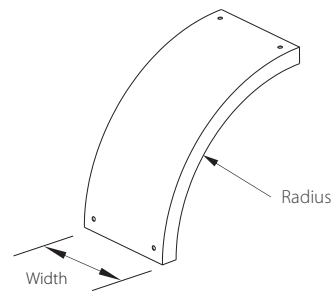
90 DEG VERTICAL INSIDE ELBOW



45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



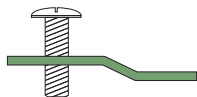
Cover For Channel Type Fittings	Cover Type	Material	Radius	Width
45CVIE: 45 Deg Channel Type Vertical Inside Elbow Cover	C1	S : Steel	300mm	75mm
90CVIE: 90 Deg Channel Type Vertical Inside Elbow Cover		SS : Stainless Steel	600mm	100mm
45CVOE: 45 Deg Channel Type Vertical Outside Elbow Cover	C3	A : Aluminum	900mm	150mm
90CVOE: 90 Deg Channel Type Vertical Outside Elbow Cover				
90CVOE	C1	S	600	150

▲ = to generate the Ba'amer product code follow this example : **90CVOE-C1-S-600-150**

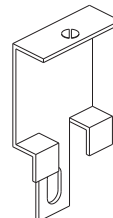
+ other sizes available on request

* dimension in mm

COVER LOCK DEVICE

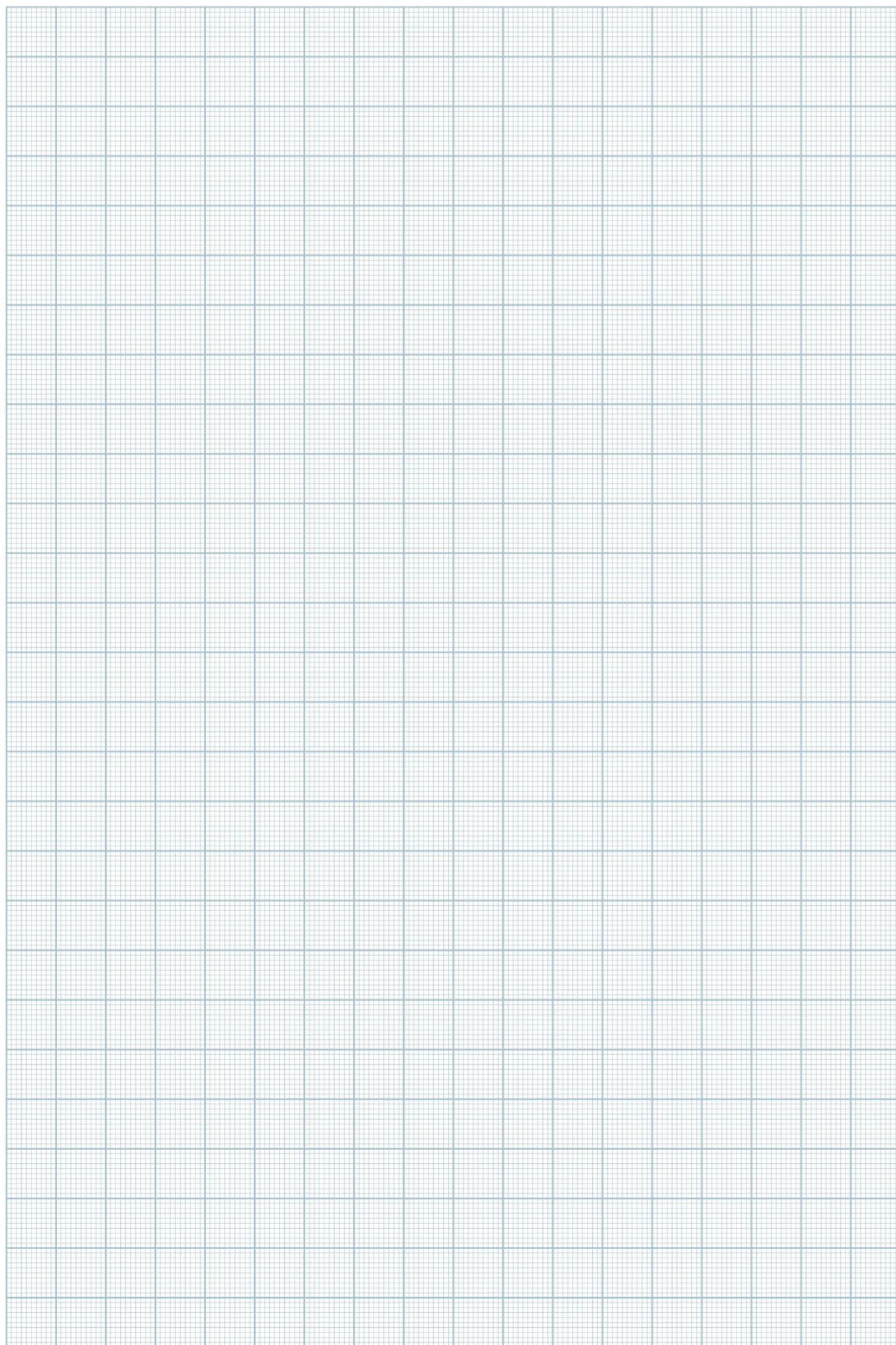


ELEVATED COVER BRACKET

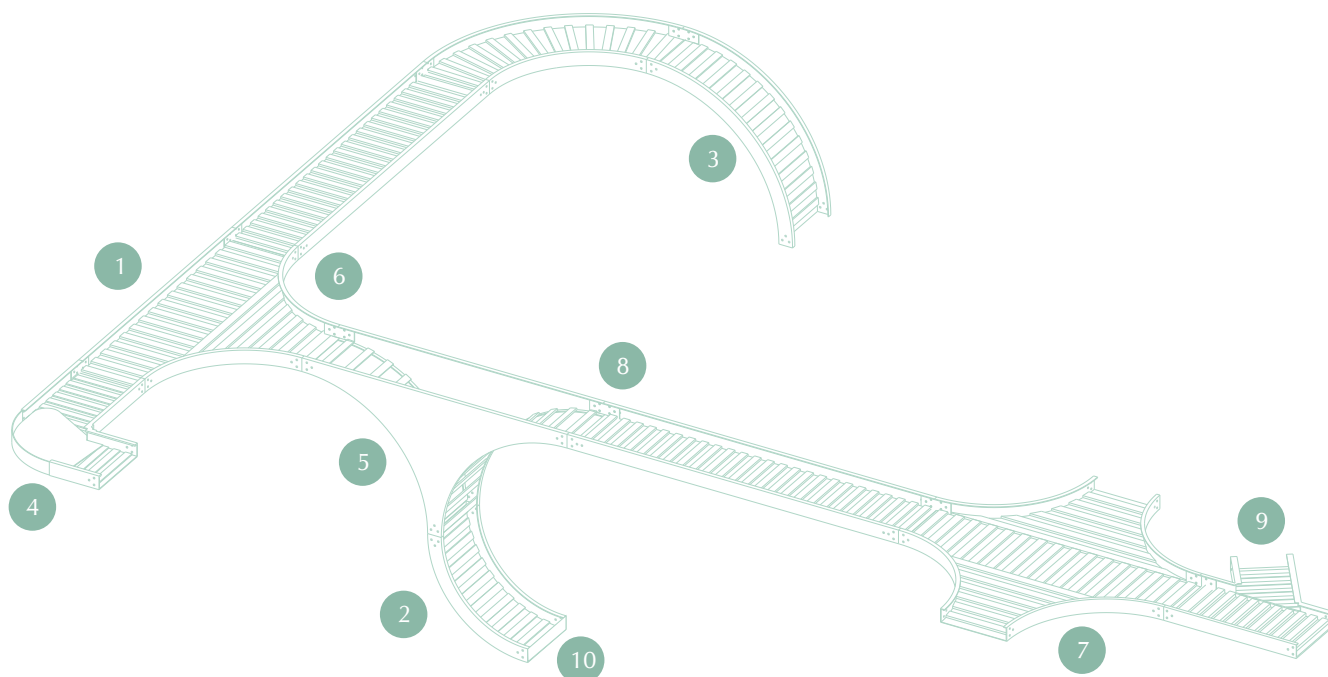


Tray Type Accessories	Material
CLD: Cover Lock Device	S : Steel
ECB: Elevated Cover Bracket	SS : Stainless Steel
	A : Aluminum
CLD	S
▲ = to generate the Ba'amer product code follow this example : CLD-S	

+ other sizes available on request



CORRUGATED BOTTOM CABLE TRAY



1. Cable Tray Straight
2. 90 Deg Inside Vertical Elbow
3. 90 Deg Outside Vertical Elbow
4. 90 Deg Horizontal Adjustable Elbow
5. Vertical Tee Piece inline
6. Horizontal Tee
7. Horizontal Cross
8. Universal Connector
9. Left Hand Reducer
10. Blind End

Aluminium Corrugated Bottom Cable Tray

Technical Specification Table

Physical Properties, Load and Deflection Data						Working (Allowed Load Capacity) Evenly Distributed Span (Ft.) - Simply Beam - Safety Factor : 1.5																							
NEMA Class Load per Spam		Load Depth	Height	Flange	Thickness	6ft. (1.8M)			8ft. (2.4M)			10ft. (3.1M)			12ft. (3.7M)			16ft. (4.9M)			20ft. (6.1M)								
						w	d	k	w	d	k	w	d	k	w	d	k	w	d	k	w	d	k						
8A	8=8'-0" A=50lb./ft. (74.4 kg / M)	76	89	20.6	2.0	177	0.41	0.002	100	0.73	0.007	64	1.14	0.018	44	1.64	0.037												
		95	108	20.6	1.5	222	0.35	0.002	125	0.63	0.005	80	0.99	0.012	55	1.42	0.026												
		121	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016												
		159	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010												
8B	B=75lb./ft. (111.6 kg / M)	76	89	20.6	2.0	177	0.41	0.002	100	0.73	0.007	64	1.14	0.018	44	1.64	0.037												
		95	108	20.6	1.5	222	0.35	0.002	125	0.63	0.005	80	0.99	0.012	55	1.42	0.026												
		121	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016												
8C	C=100 lb./ft. (148.8 kg / M)	159	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010												
		76	89	20.6	2.0	177	0.41	0.002	100	0.73	0.007	64	1.14	0.018	44	1.64	0.037												
		95	108	20.6	1.5	222	0.35	0.002	125	0.63	0.005	80	0.99	0.012	55	1.42	0.026												
12A	50 lb./ft. (74.4 kg / M) 12' span	121	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016												
		159	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010												
		76	89	20.6	2.5	207	0.43	0.002	117	0.77	0.007	75	1.2	0.016	52	1.73	0.033												
		95	108	20.6	1.5	222	0.35	0.002	125	0.63	0.005	80	0.99	0.012	55	1.42	0.026												
12B	75 lb./ft. (111.6 kg / M) 12' span	121	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016												
		159	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010												
		76	89	31.75	2.5	303	0.43	0.002	170	0.77	0.005	109	1.2	0.011	76	1.73	0.023												
12C	100 lb./ft. (148.8 kg / M) 12' span	95	108	20.6	2.0	354	0.45	0.001	191	0.76	0.004	117	1.14	0.01	78	1.57	0.020												
		121	133	20.6	1.5	324	0.33	0.001	182	0.59	0.003	117	0.87	0.007	77	1.26	0.016												
		159	159	20.6	2.0	359	0.22	+	191	0.37	0.002	115	0.55	0.005	75	0.74	0.010												
		95	108	20.6	2.5	362	0.32	+	251	0.69	0.003	161	1.08	0.007	112	1.55	0.014												
16A	50 lb./ft. (74.4 kg / M) 16' span	121	133	20.6	2.0	394	0.31	+	222	0.55	0.002	142	0.86	0.006	110	1.24	0.012												
		159	159	20.6	2.5	480	0.24	+	257	0.4	0.002	156	0.6	0.002	102	0.81	0.008												
		95	108	20.6	2.5				251	0.69	0.003	161	1.08	0.007	112	1.55	0.014	51	2.26	0.044	25	2.75	0.11						
16B	75 lb./ft. (111.6 kg / M) 16' span	121	133	31.75	2.5				260	0.44	0.002	166	0.69	0.004	96	0.82	0.009	51	1.36	0.027	28	1.83	0.065						
		159	159	31.75	1.5				380	0.49	0.001	222	0.69	0.003	154	1.00	0.006	78	1.61	0.021	50	2.51	0.05						
		95	108	31.75	2.0				342	0.72	0.002	219	1.12	0.005	152	1.61	0.011	82	2.74	0.033	52	4.27	0.082						
16C	100 lb./ft. (148.8 kg / M) 16' span	121	133	31.75	3.0				349	0.51	0.001	223	0.8	0.004	155	1.15	0.007	79	1.85	0.023	51	2.89	0.057						
		159	159	31.75	1.5				380	0.49	0.001	222	0.69	0.003	154	1.00	0.006	78	1.61	0.021	50	2.51	0.05						
		95	108	31.75	2.5				444	0.71	0.002	284	0.7	0.002	188	1.53	0.008	106	2.73	0.026	65	4.07	0.063						
		121	133	31.75	2.0				525	0.55	0.001	336	0.86	0.003	233	1.24	0.005	119	2.01	0.017	76	3.14	0.041						
20A	50 lb./ft. (74.4 kg / M) 20' span	159	159	44.45	2.0				481	0.41	+	308	0.64	0.002	215	0.92	0.004	121	1.63	0.013	77	2.55	0.033						
		95	108	31.75	2.0									152	1.61	0.011	82	2.74	0.033	52	4.27	0.082							
		121	133	31.75	3.0									155	1.15	0.007	79	1.85	0.023	51	2.89	0.057							
20B	75 lb./ft. (111.6 kg / M) 20' span	159	159	31.75	1.5									154	1.00	0.006	78	1.61	0.021	50	2.89	0.05							
		95	108	38.1	2.0									224	1.53	0.007	120	2.59	0.022	77	4.05	0.053							
		121	133	31.75	2.0									233	1.00	0.005	199	2.01	0.017	76	3.14	0.041							
		159	159	44.45	2.0									215	0.92	0.004	121	1.63	0.013	77	2.55	0.033							
20C	100 lb./ft. (148.8 kg / M) 20' span	95	108	38.1	2.5									298	1.79	0.006	161	3.07	0.019	103	4.79	0.047							
		121	133	31.75	2.5									290	1.35	0.005	156	2.30	0.015	100	3.59	0.036							
		159	159	50	2.5									313	0.93	0.003	176	1.66	0.009	113	2.59	0.023							

To Convert 1.5 Safety factor to 2.0 - Multiply w, d, k by 0.75

w = Allowable Working Load (Lbs/ft) to convert to kg/M multiply by 1.48

d = Deflection at Midspan (inches) to convert to mm multiply by 25.4

k = Deflection for each pound of load (inches)

+ = Deflection is less then 0.001 inches

Technical Specification Table

Physical Properties, Load and Deflection Data					Working (Allowed Load Capacity) Evenly Distributed Span (Ft.) - Simply Beam - Safety Factor : 1.5																							
NEMA Class Load per Spam		Load Depth	Height	Flange	Thickness	6ft. (1.8M)			8ft. (2.4M)			10ft. (3.1M)			12ft. (3.7M)			16ft. (4.9M)			20ft. (6.1M)							
						w	d	k	w	d	k	w	d	k	w	d	k	w	d	k	w	d	k					
8A	8=8'-0" A=50lb./ft. (74.4 kg / M)	76	89	21	1.2	230	0.30	0.001	126	0.52	0.004	79	0.79	0.01	53	1.11	0.021											
		95	108	21	1.2	292	0.23	+	164	0.42	0.003	103	0.63	0.006	69	89.00	0.013											
		121	133	21	1.2	383	0.18	+	210	0.31	0.001	127	0.46	0.004	83	0.62	0.007											
		159	159	21	1.2	357	0.11	+	194	0.18	+	119	0.28	0.002	79	0.38	0.005											
8B	B=75lb./ft. (111.6 kg / M)	76	89	21	1.2	230	0.30	0.001	126	0.52	0.004	79	0.79	0.01	53	1.11	0.021											
		95	108	21	1.2	292	0.23	+	164	0.42	0.003	103	0.63	0.006	69	0.89	0.013											
		121	133	21	1.2	383	0.18	+	210	0.31	0.001	127	0.46	0.004	83	0.62	0.007											
8C	C=100 lb./ft. (148.8 kg / M)	159	159	21	1.2	357	0.11	+	194	0.18	+	119	0.28	0.002	79	0.38	0.005											
		76	89	21	1.2	230	0.30	0.001	126	0.52	0.004	79	0.79	0.01	53	1.11	0.021											
		95	108	21	1.2	292	0.23	+	164	0.42	0.003	103	0.63	0.006	69	0.89	0.013											
		121	133	21	1.2	383	0.18	+	210	0.31	0.001	127	0.46	0.004	83	0.62	0.007											
12A	50 lb./ft. (74.4 kg / M) 12' span	159	159	21	1.2	357	0.11	+	194	0.18	+	119	0.28	0.002	79	0.38	0.005											
		76	89	21	1.2	230	0.30	0.001	126	0.52	0.004	79	0.79	0.01	53	1.11	0.021											
		95	108	21	1.2	292	0.23	+	164	0.42	0.003	103	0.63	0.006	69	0.89	0.013											
		121	133	21	1.2	383	0.18	+	210	0.31	0.001	127	0.46	0.004	83	0.62	0.007											
12B	75 lb./ft. (111.6 kg / M) 12' span	159	159	21	1.2	357	0.11	+	194	0.18	+	119	0.28	0.002	79	0.38	0.005											
		76	89	21	1.9	358	0.30	+	197	0.53	0.003	124	0.81	0.007	83	1.13	0.014											
		95	108	21	1.2	360	0.26	+	198	0.46	0.002	124	0.7	0.006	84	0.98	0.012											
		121	133	21	1.2	383	0.18	+	210	0.31	0.001	127	0.46	0.004	83	0.62	0.007											
12C	100 lb./ft. (148.8 kg / M) 12' span	159	159	21	1.2	357	0.11	+	194	0.18	+	119	0.28	0.002	79	0.38	0.005											
		95	108	21	1.5	453	0.27	+	249	0.47	0.002	156	0.71	0.005	106	1.00	0.009											
		121	133	21	1.2	456	0.20	+	244	0.33	0.001	152	0.51	0.003	103	0.71	0.007											
		159	159	21	1.5	460	0.11	+	250	0.19	+	154	0.29	0.002	103	0.40	0.004											
16A	50 lb./ft. (74.4 kg / M) 16' span	95	108	32	1.2				290	0.53	0.002	182	0.81	0.004	126	1.17	0.009	65	1.91	0.029								
		121	133	32	1.2				382	0.42	0.001	245	0.66	0.003	170	0.94	0.006	86	1.54	0.018								
		159	159	32	1.2				268	0.2	+	166	0.31	0.002	111	0.43	0.004	58	0.71	0.012								
		95	108	32	1.5				381	0.56	0.001	244	0.88	0.004	169	1.27	0.008	88	2.08	0.024								
16B	75 lb./ft. (111.6 kg / M) 16' span	121	133	32	1.2				382	0.42	0.001	245	0.66	0.003	170	0.94	0.006	86	1.54	0.018								
		159	159	32	1.2				426	0.31	+	259	0.46	0.002	171	0.62	0.004	86	0.99	0.012								
		95	108	32	1.9				487	0.58	0.001	312	0.91	0.003	216	1.31	0.006	113	2.16	0.019								
		121	133	32	1.5				444	0.42	+	273	0.63	0.002	186	0.89	0.005	100	1.51	0.015								
16C	100 lb./ft. (148.8 kg / M) 16' span	159	159	32	1.2										245	0.76	0.004	123	1.22	0.01								
		95	108	32	1.9										169	1.27	0.008	88	2.08	0.024	52	2.98	0.057					
		121	133	32	1.5										186	0.89	0.005	100	1.51	0.015	53	1.94	0.037					
		159	159	32	1.5										251	1.36	0.005	131	2.24	0.017	77	3.23	0.042					
20A	50 lb./ft. (74.4 kg / M) 20' span	121	133	32	1.9										280	1.02	0.004	145	1.67	0.012	85	2.4	0.028					
		159	159	32	1.5										269	0.80	0.003	139	1.28	0.009	81	1.82	0.022					
		95	108	38	2.5										316	1.26	0.004	164	2.06	0.013	100	3.09	0.031					
		121	133	38	1.9										304	1.00	0.003	157	1.63	0.01	100	2.5	0.025					
20B	75 lb./ft. (111.6 kg / M) 20' span	159	159	32	1.9										296	0.79	0.003	152	1.28	0.008	105	1.91	0.018					
20C	100 lb./ft. (148.8 kg / M) 20' span																											

To Convert 1.5 Safety factor to 2.0 - Multiply w, d, k by 0.75

w = Allowable Working Load (Lbs/ft) to convert to kg/M multiply by 1.48

d = Deflection at Midspan (inches) to convert to mm multiply by 25.4

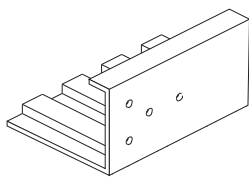
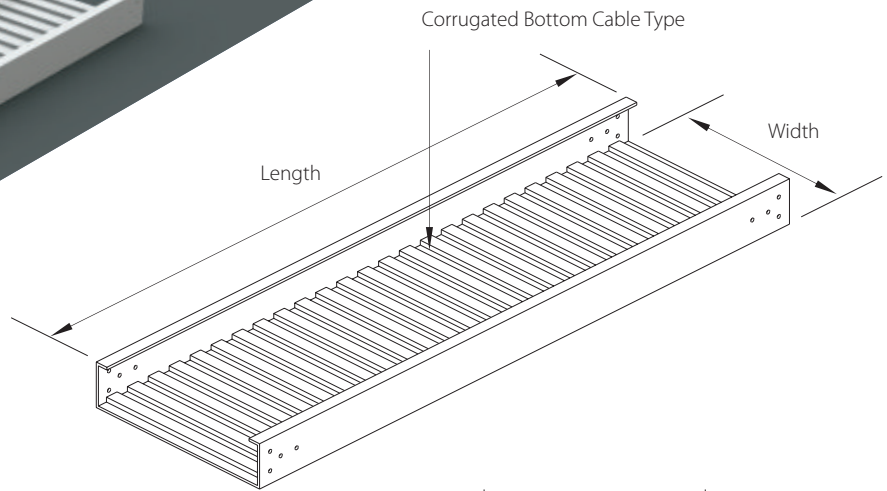
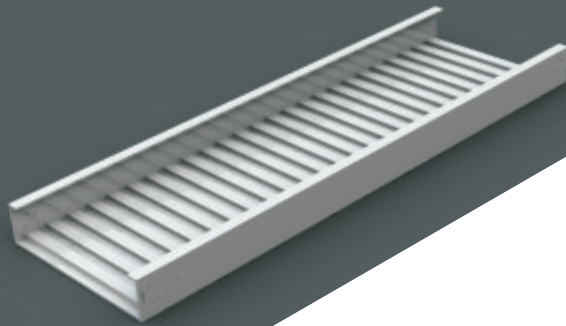
k = Deflection for each pound of load (inches)

+ = Deflection is less then 0.001 inches

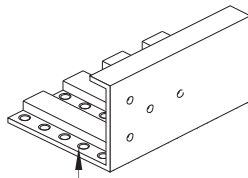
Corrugated Bottom Type - Straight Cable Tray



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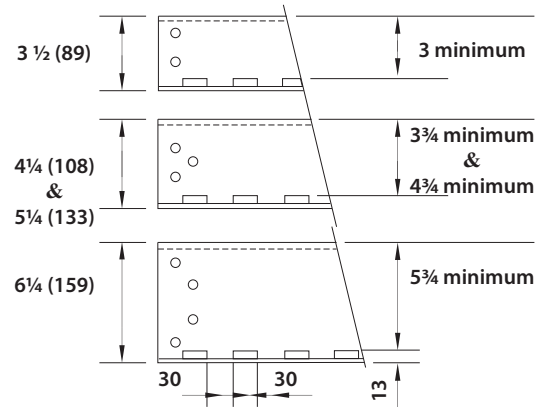
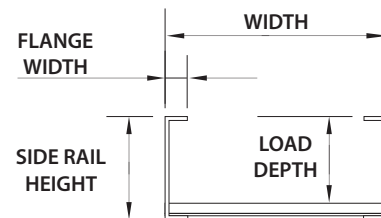


S Corrugated Solid Bottom Type



V Corrugated Ventilated Bottom Type

Ø 11/16" (Ø 17.5mm) Spacing 1" (25mm)



Corrugated Bottom Cable Tray	Material	Nema Class	Load Depth		Width		Length		Bottom Type
CRT	S : Steel	08A	3	3 = 76mm	6	152mm	8	2440mm	S: Solid
		08B			9	229mm	10	3000mm	
		08C							
	SS : Stainless Steel	12A	4	3¾ = 95mm	12	305mm	12	3700mm	V: Ventilated
		12B			18	457mm	16	4900mm	
		12C							
	A : Aluminum	16A	5	4¾ = 121mm	24	610mm	20	6000mm	
		16B			30	762mm	24	7300mm	
		16C							
		20A	6	5¾ = 146mm	36	914mm			
		20B							
		20C							
CRT	S	16A	6		36		6000	V	

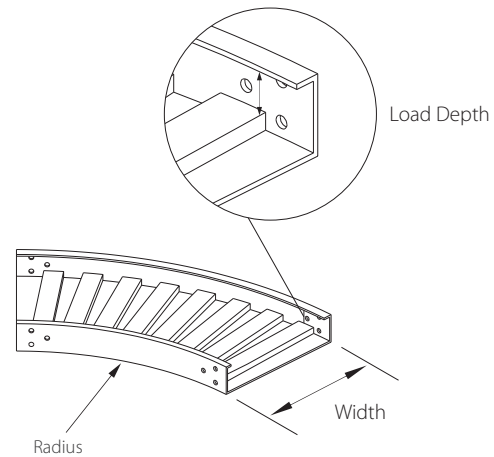
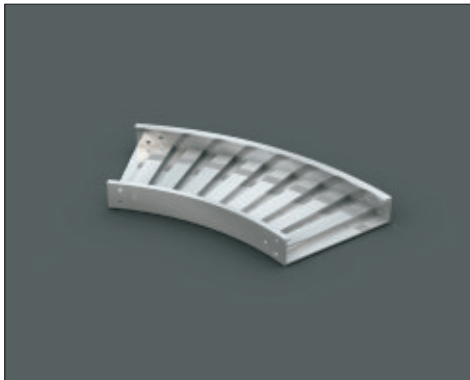
▲ = to generate the Ba'amer product code follow this example : **CRT-S-16A-6-36-6000-V**

+ other sizes available on request

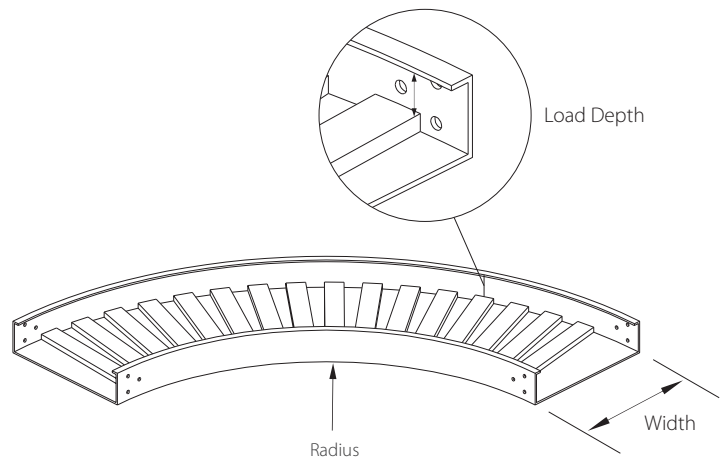
* dimension in Inch or mm and feet or mm for length

* Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

45 DEG HORIZONTAL ELBOW



90 DEG HORIZONTAL ELBOW



Corrugated Fittings	Material	Radius		Width		Load Depth		Bottom Type
45CRHE: 45 Deg Corrugated Horizontal Elbow	S : Steel	12	305mm	6	152mm	3	3 = 76mm	S: Solid
				9	229mm			
	SS : Stainless Steel	24	610mm	12	305mm	4	3¾ = 95mm	
18				457mm				
90CRHE: 90 Deg Corrugated Horizontal Elbow				A : Aluminum	36	914mm	24	610mm
	30	762mm						
	36	914mm	6				5¾ = 146mm	
45CRHE	S	12		36		3		V
▲ = to generate the Ba'amer product code follow this example : 45CRHE-S-12-36-3-V								

+ other sizes available on request

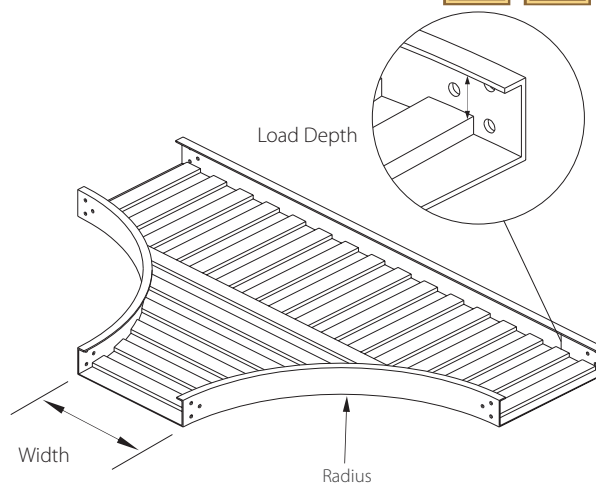
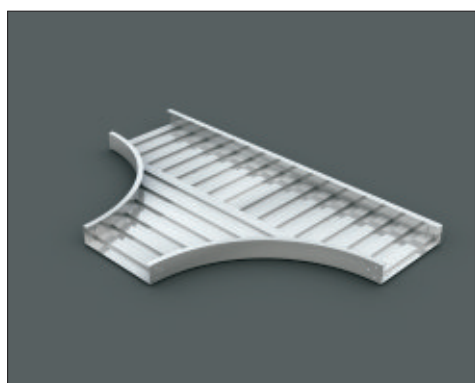
* dimension in inches or mm

Corrugated Bottom Type - Fittings

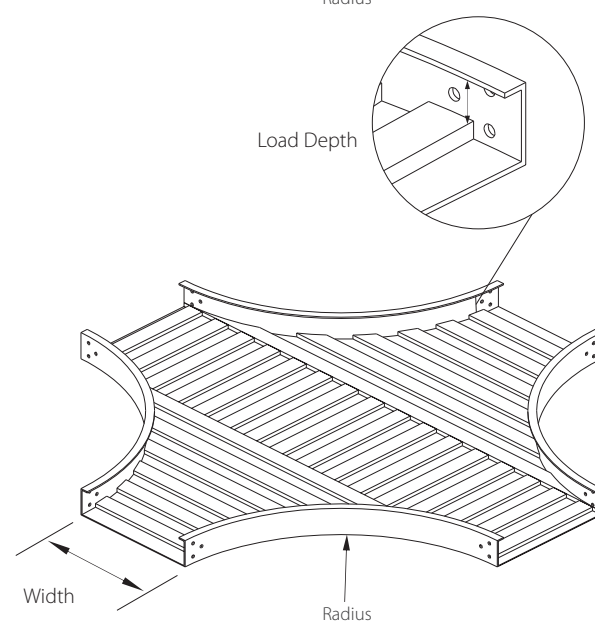
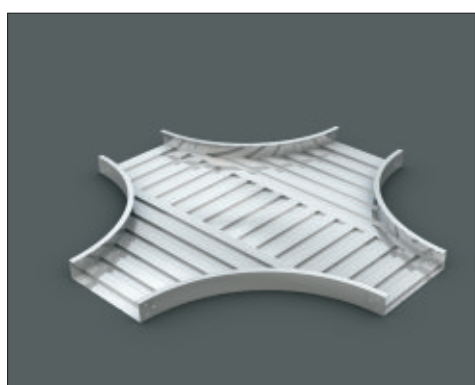


BA'AMER
ELECTRIC


HORIZONTAL TEE



HORIZONTAL CROSS



Corrugated Fittings	Material	Radius		Width		Load Depth		Bottom Type
CRHT: Corrugated Horizontal Tee	S : Steel	12	305mm	6	152mm	3	3 = 76mm	S: Solid
				9	229mm			
	SS : Stainless Steel	24	610mm	12	305mm	4	3¾ = 95mm	
18				457mm				
CRHC: Corrugated Horizontal Cross				A : Aluminum	36	914mm	24	610mm
	30	762mm						
	36	914mm	6				5¾ = 146mm	
CRHC	S	12		18		4		S

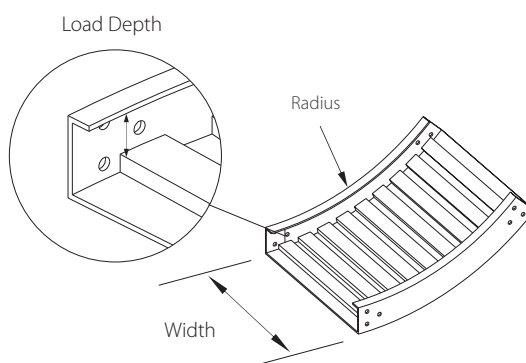
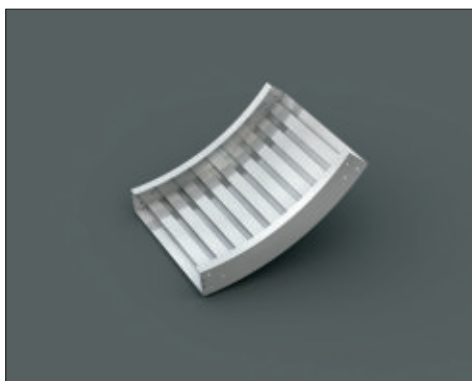
 = to generate the Ba'amer product code follow this example : **CRHC-S-12-18-4-S**

+ other sizes available on request

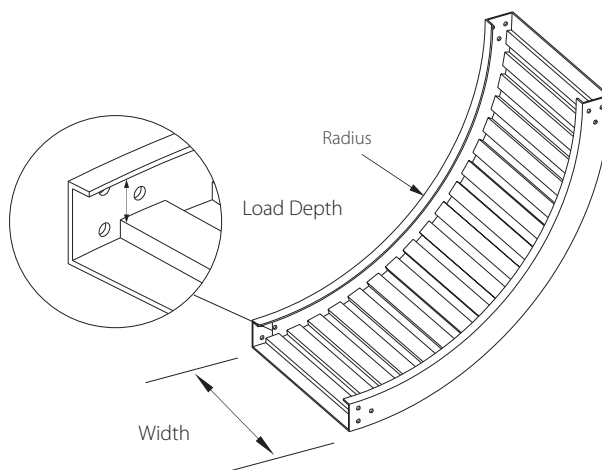
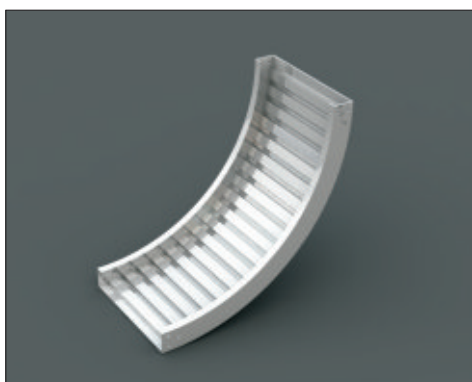
* dimension in inches or mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

45 DEG VERTICAL INSIDE ELBOW



90 DEG VERTICAL INSIDE ELBOW

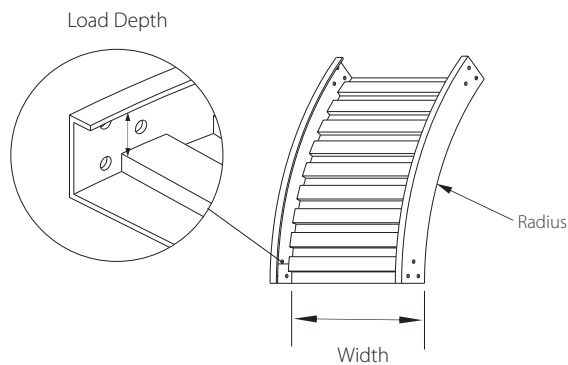
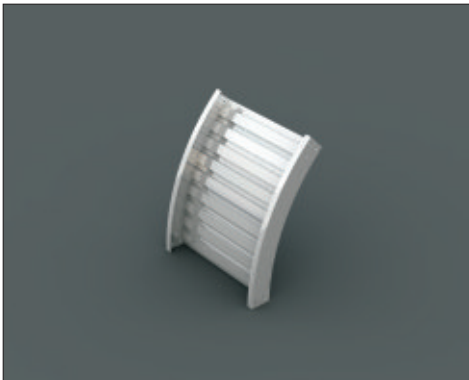


Corrugated Fittings	Material	Radius	Width	Load Depth	Bottom Type
45CRVIE: 45 Deg Corrugated Vertical Inside Elbow	S : Steel	12	6 152mm	3 3 = 76mm	S: Solid
			9 229mm		
	SS : Stainless Steel	24	12 305mm	4 3 3/4 = 95mm	V: Ventilated
			18 457mm		
90CRVIE: 90 Deg Corrugated Vertical Inside Elbow	A : Aluminum	36	24 610mm	5 4 3/4 = 121mm	V: Ventilated
			30 762mm		
			36 914mm	6 5 3/4 = 146mm	
45CRVIE	S	12	18	3	V
▲ = to generate the Ba'amer product code follow this example : 45CRVIE-S-12-18-3-V					

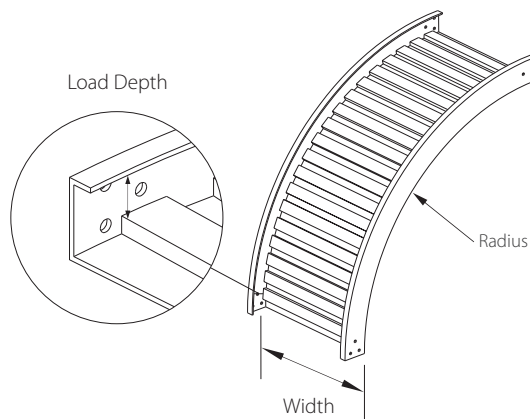
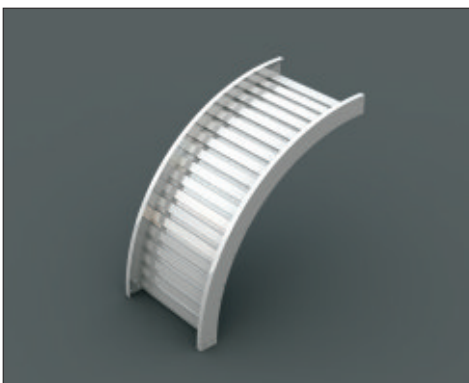
+ other sizes available on request

*dimension in inches or mm

45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



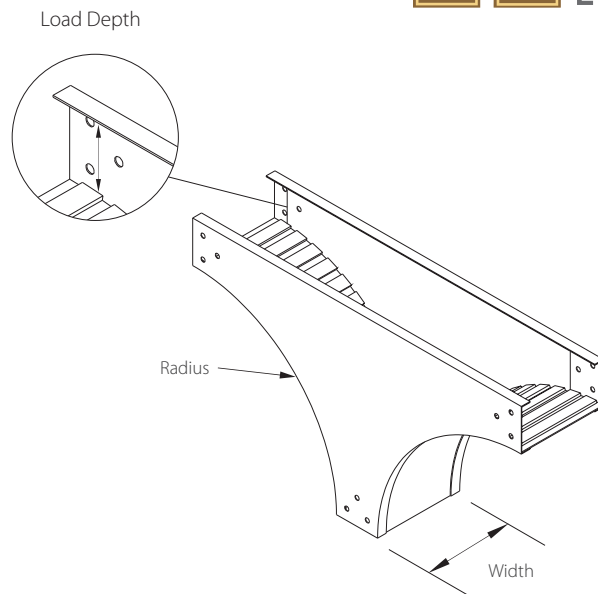
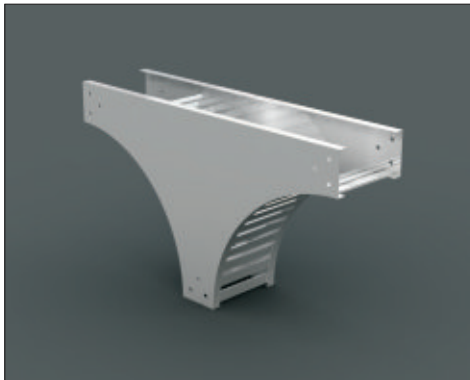
Corrugated Fittings	Material	Radius		Width		Load Depth		Bottom Type
45CRVOE: 45 Deg Corrugated Vertical Outside Elbow	S : Steel	12	305mm	6	152mm	3	3 = 76mm	S: Solid
				9	229mm			
	SS : Stainless Steel	24	610mm	12	305mm	4	3¾ = 95mm	
				18	457mm			
90CRVOE: 90 Deg Corrugated Vertical Outside Elbow				24	610mm	5	4¾ = 121mm	V: Ventilated
				30	762mm			
	A : Aluminum	36	914mm	36	914mm	6	5¾ = 146mm	
45CRVOE	S	12		18		3		V

▲ = to generate the Ba'amer product code follow this example : **45CRVOE-S-12-18-3-V**

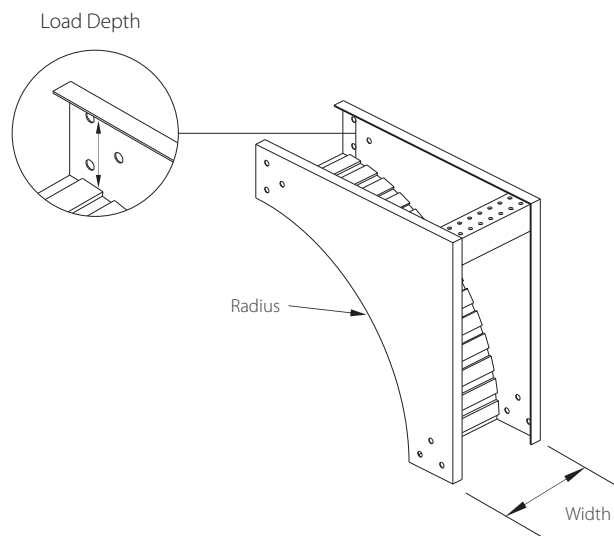
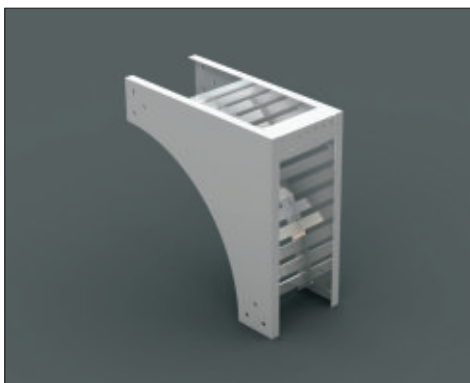
+ other sizes available on request

*dimension in inches or mm

VERTICAL TEE



VERTICAL SUPPORT ELBOW



Corrugated Fittings	Material	Radius		Width		Load Depth		Bottom Type
CRVT: Corrugated Vertical Tee	S : Steel	12	305mm	6	152mm	3	3 = 76mm	S: Solid
				9	229mm			
	SS : Stainless Steel	24	610mm	12	305mm	4	3¾ = 95mm	V: Ventilated
				18	457mm			
CRVSE: Corrugated Vertical Support Elbow	A : Aluminum	36	914mm	24	610mm	5	4¾ = 121mm	
				30	762mm			
				36	914mm	6	5¾ = 146mm	
CRVSE	S	12		18		6		S

▲ = to generate the Ba'amer product code follow this example : **CRVSE-S-12-18-6-S**

+ other sizes available on request

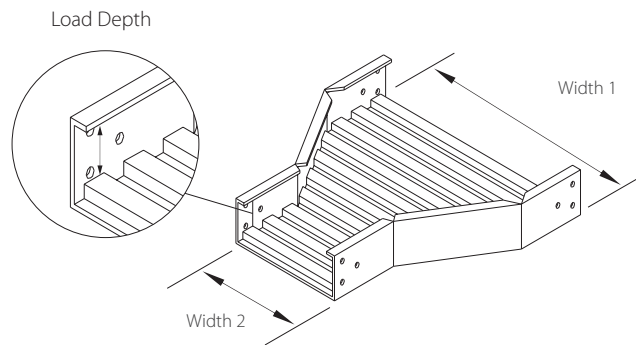
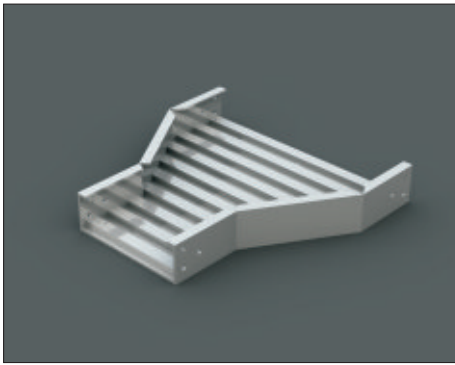
*dimension in inches or mm

Corrugated Bottom Type - Fittings

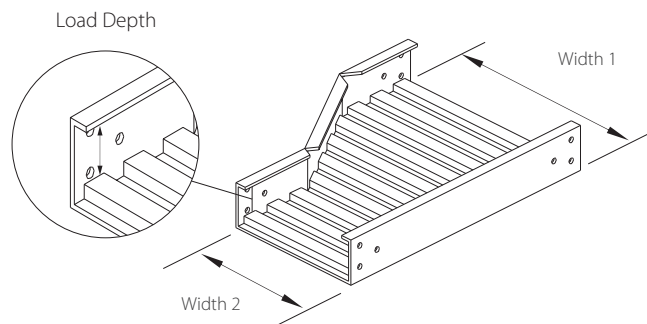
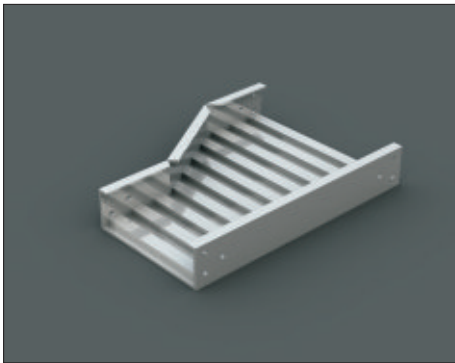


BA'AMER
ELECTRIC

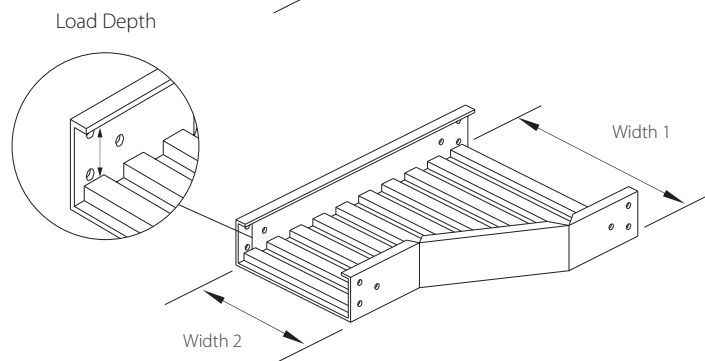
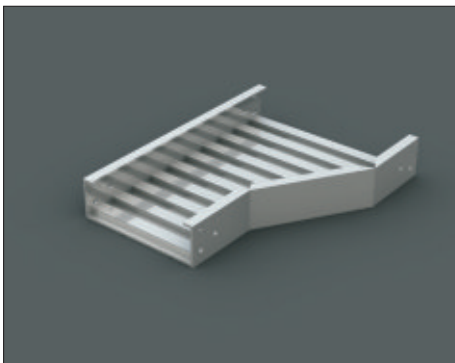
STRAIGHT REDUCER



LEFT HAND REDUCER



RIGHT HAND REDUCER



Corrugated Fittings	Material	Width 1		Width 2		Load Depth		Bottom Type
CRSR: Corrugated Straight Reducer	S : Steel	36	914mm	6	152mm	3	3 = 76mm	S: Solid
		30	762mm	9	229mm			
CRLHR: Corrugated Left Hand Reducer	SS : Stainless Steel	24	610mm	12	305mm	4	3¾ = 95mm	V: Ventilated
		18	457mm	18	457mm			
CRRHR: Corrugated Right Hand Reducer	A : Aluminum	12	305mm	24	610mm	5	4¾ = 121mm	V: Ventilated
		9	229mm	30	762mm			
		6	152mm	36	914mm	6	5¾ = 146mm	
CRSR	S	36		6		6		V

▲ = to generate the Ba'amer product code follow this example : **CRSR-S-36-6-6-V**

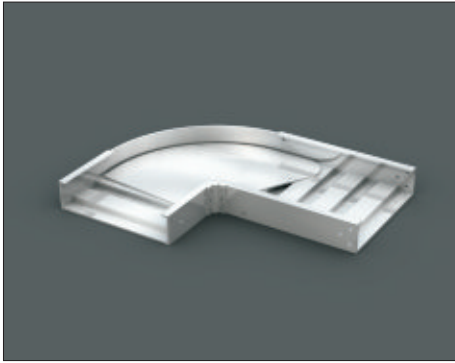
+ other sizes available on request

*dimension in inches or mm

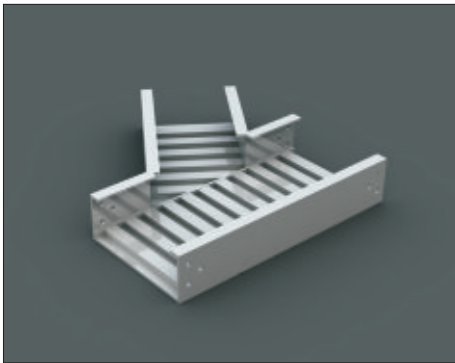
*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

Corrugated Bottom Type - Fittings

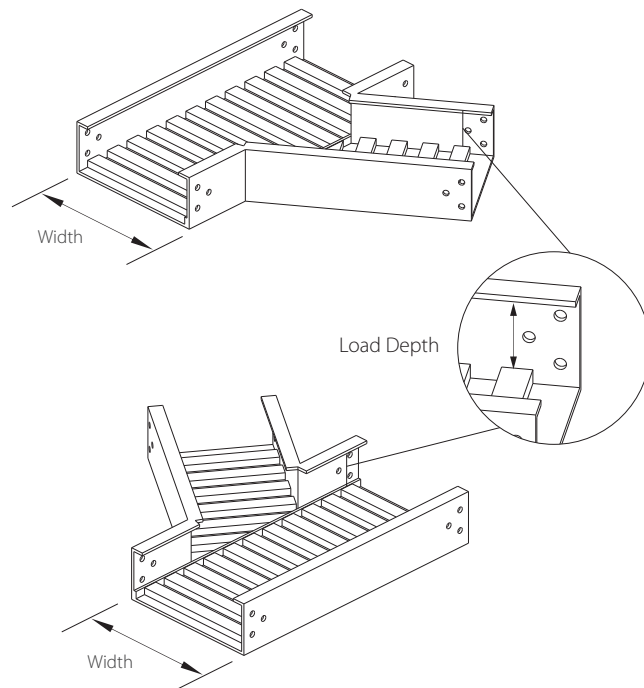
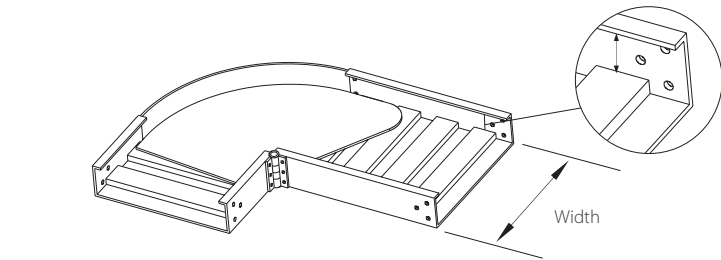
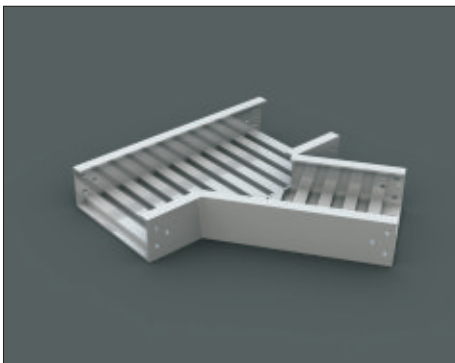
HORIZONTAL ADJUSTABLE ELBOW



45 DEG RIGHT 'Y' BRANCH



45 DEG LEFT 'Y' BRANCH



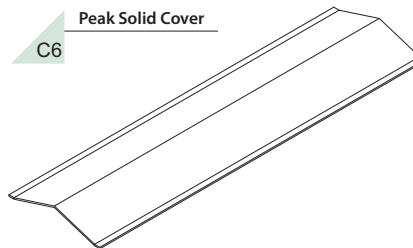
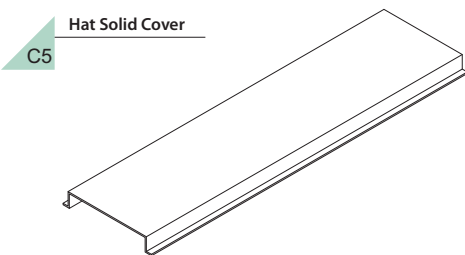
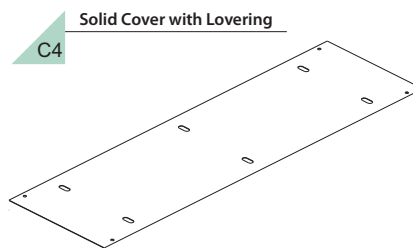
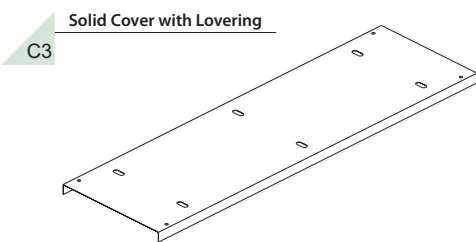
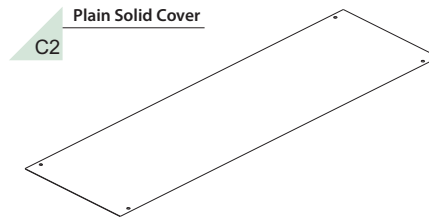
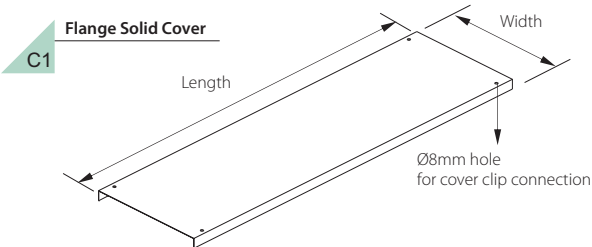
Corrugated Fittings	Material	Width		Load Depth		Bottom Type
CRHAE: Corrugated Horizontal Adjustable Elbow	S : Steel	6	152mm	3	3 = 76mm	S: Solid
		9	229mm			
CRRYB: 45 Deg Corrugated Right Y Branch	SS : Stainless Steel	12	305mm	4	3¾ = 95mm	
		18	457mm			
		24	610mm	5	4¾ = 121mm	
CRLYB: 45 Deg Corrugated Left Y Branch	A : Aluminum	30	762mm			6
		36	914mm			
CRHAE	S	36		6		V

▲ = to generate the Ba'amer product code follow this example : **CRHAE-S-36-6-V**

+ other sizes available on request

*dimension in inches or mm

STRAIGHT LENGTH COVERS



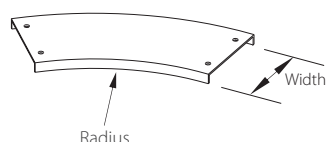
Corrugated Bottom Cable Tray Covers	Cover Type	Material	Width		Tray Flange Width (mm)		Length	
CRT	C1	S : Steel	6	152mm	21	For Steel and Stainless Steel	8	2440mm
	C2		9	229mm	32		10	3000mm
	C3	SS : Stainless Steel	12	305mm	38		12	3700mm
	C4		18	457mm	20.6	For Aluminum Only	16	4900mm
	C5	A : Aluminum	24	610mm	31.75		20	6000mm
	C6		30	762mm	38.1		24	7300mm
			36	914mm	44.5			
					50			
CRT	C1	S	12		32			6000

▲ = to generate the Ba'amer product code follow this example : **CRT-C1-S-12-32-6000**

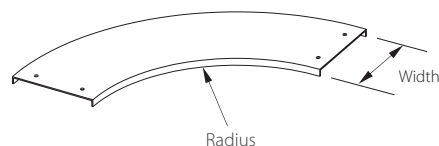
+ other sizes available on request

* dimension in inch or mm and feet or mm for length

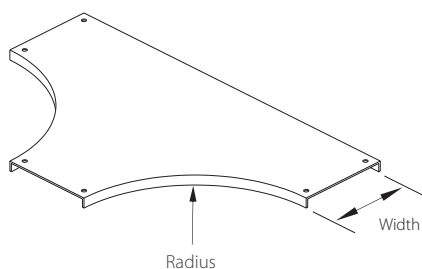
45 DEG HORIZONTAL ELBOW COVER



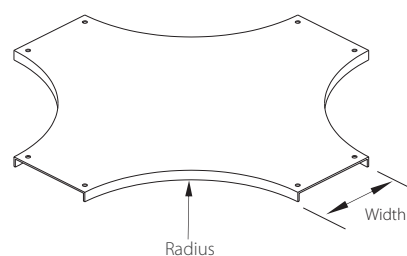
90 DEG HORIZONTAL ELBOW COVER



HORIZONTAL TEE COVER



HORIZONTAL CROSS COVER



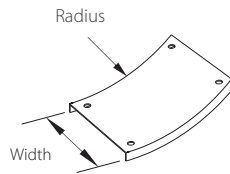
Corrugated Fittings Covers	Cover Type	Material	Radius	Width
45CRHE: 45 Deg Corrugated Horizontal Elbow	C1	S : Steel	12 305mm	6 152mm
90CRHE: 90 Deg Corrugated Horizontal Elbow	C2	SS : Stainless Steel	24 610mm	12 305mm
CRHT: Corrugated Horizontal Tee	C3			18 457mm
				24 610mm
CRHC: Corrugated Horizontal Cross	C4	A : Aluminum	36 914mm	30 762mm
				36 914mm
45CRHE	C4	S	12	6

▲ = to generate the Ba'amer product code follow this example : **45CRHE-C4-S-12-6**

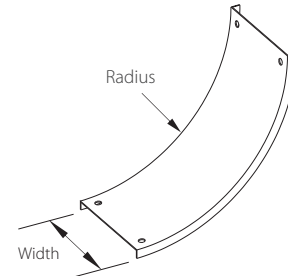
+ other sizes available on request

* dimension in inches or mm

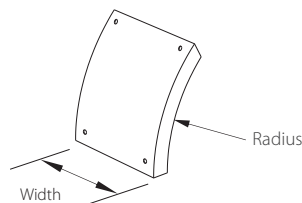
45 DEG VERTICAL INSIDE ELBOW



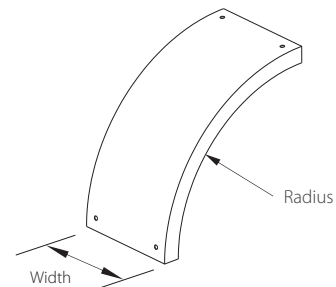
90 DEG VERTICAL INSIDE ELBOW



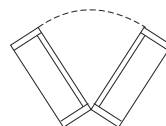
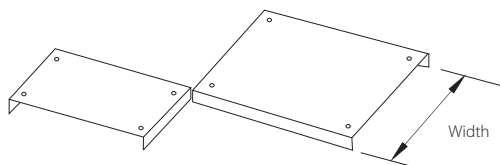
45 DEG VERTICAL OUTSIDE ELBOW



90 DEG VERTICAL OUTSIDE ELBOW



HORIZONTAL ADJUSTABLE ELBOW



Corrugated Fittings Covers	Cover Type	Material	Radius	Width 2
45CRVIE: 45 Deg Corrugated Vertical Inside Elbow	C1	S : Steel	12 305mm	6 152mm
90CRVIE: 90 Deg Corrugated Vertical Inside Elbow	C2	SS : Stainless Steel	24 610mm	12 305mm
45CRVOE: 45 Deg Corrugated Vertical Outside Elbow	C3	A : Aluminum	36 914mm	18 457mm
90CRVOEC: 90 Deg Corrugated Vertical Outside Elbow	C4			24 610mm
CRHAE: Corrugated Horizontal Adjustable Elbow				30 762mm
				36 914mm
90CRVIE	C2	S	24	6

▲ = to generate the Ba'amer product code follow this example : 90CRVIE-C2-S-24-6

+ other sizes available on request

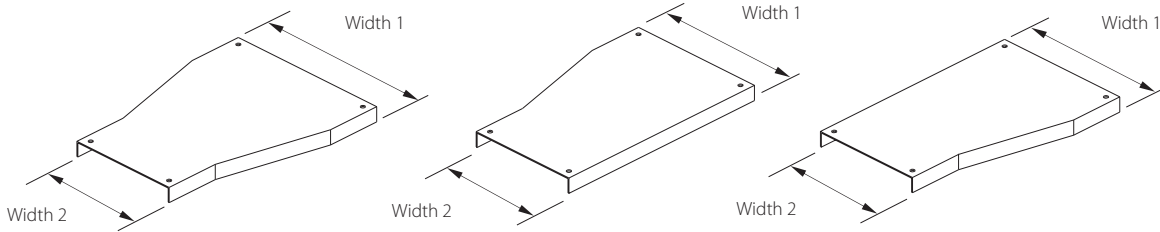
* dimension in inches or mm

Corrugated Bottom Type - Covers

STRAIGHT REDUCER

LEFT HAND REDUCER

RIGHT HAND REDUCER



Corrugated Fittings	Cover Type	Material	Width 1		Width 2	
CRSR: Corrugated Straight Reducer	C1	S : Steel	36	914mm	6	152mm
			30	762mm	9	229mm
CRLHR: Corrugated Left Hand Reducer	C2	SS : Stainless Steel	24	610mm	12	305mm
			18	457mm	18	457mm
CRRHR: Corrugated Right Hand Reducer	C3	A : Aluminum	12	305mm	24	610mm
			9	229mm	30	762mm
	C4		6	152mm	36	914mm
CRSR	C2	S	12	6		

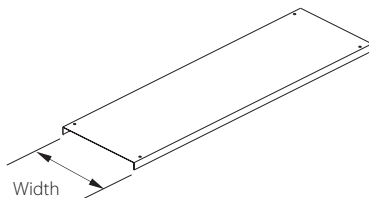
▲ = to generate the Ba'amer product code follow this example : **CRSR-C2-S-12-6**

+ other sizes available on request

* dimension in inches or mm

VERTICAL TEE

VERTICAL SUPPORT ELBOW



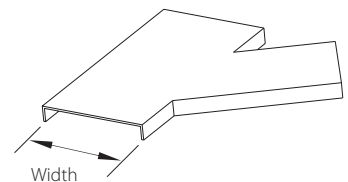
Corrugated Fittings Covers	Cover Type	Material	Width	
CRVT: Corrugated Vertical Tee	C1	S : Steel	6	152mm
			9	229mm
CRVSE: Corrugated Vertical Support Elbow	C2	SS : Stainless Steel	12	305mm
			18	457mm
CRRYB: 45 Deg Corrugated Right Y Branch	C3	A : Aluminum	24	610mm
			30	762mm
CRLYB: 45 Deg Corrugated Left Y Branch	C4		36	914mm
CRVT	C2	S	12	

▲ = to generate the Ba'amer product code follow this example : **CRVT-C2-S-12**

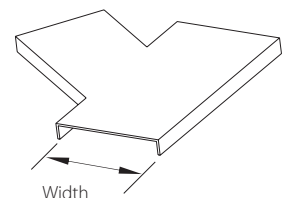
+ other sizes available on request

* dimension in inches or mm

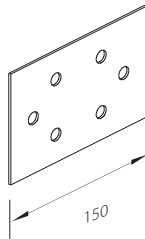
45 DEG CORRUGATED RIGHT 'Y' BRANCH



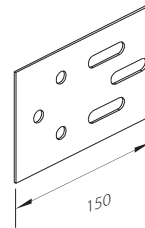
45 DEG CORRUGATED LEFT 'Y' BRANCH



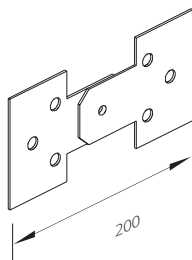
UNIVERSAL CONNECTOR



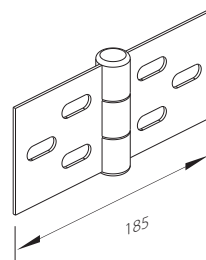
EXPANSION CONNECTOR



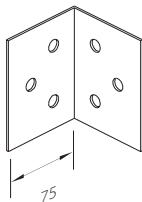
VERTICAL ADJUSTABLE CONNECTOR



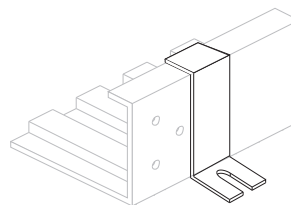
HORIZONTAL ADJUSTABLE CONNECTOR



90 DEG ANGLE CONNECTOR



HOLD DOWN CLAMP

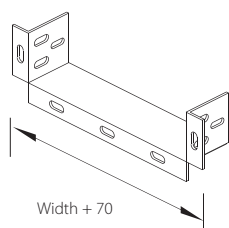


Corrugated Cable Tray Accessories	Material	Load Depth	
CRUC: Universal connector	S : Steel	3	3 = 76mm
CREC: Expansion connector			
CRVAC: Vertical Adjustable Connector	SS : Stainless Steel	4	3¾ = 95mm
CRHAC: Horizontal Adjustable Connector		5	4¾ = 121mm
CRAC: 90 Deg Angle Conector	A : Aluminum		
CRHDC: Hold Down Clamp		6	5¾ = 146mm
CREC	S	4	
= to generate the Ba'amer product code follow this example : CREC-C2-S-4			

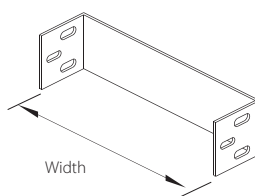
+ other sizes available on request

*dimension in inches or mm

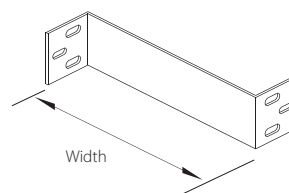
BOX CONECTOR



BLIND END



REDUCING CONNECTOR



Corrugated Cable Tray Accessories	Material	Load Depth		Width	
CRBC: Box Connector	S : Steel	3	3 = 76mm	6	152mm
				9	229mm
CRBE: Blind End	SS : Stainless Steel	4	3 3/4 = 95mm	12	305mm
				18	457mm
CRRC: Reducing Connector	A : Aluminum	5	4 3/4 = 121mm	24	610mm
		6	5 3/4 = 146mm	30	762mm
				36	914mm
CRBE	S	4		12	

▲ = to generate the Ba'amer product code follow this example : **CRBE-S-4-12**

+ other sizes available on request

* dimension in inches or mm

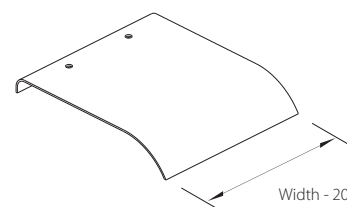
Corrugated Cable Tray Accessories	Material	Width	
CRDO: Drop Out	S : Steel	6	152mm
		9	229mm
	SS : Stainless Steel	12	305mm
		18	457mm
		24	610mm
	A : Aluminum	30	762mm
		36	914mm
CRDO	S	12	

▲ = to generate the Ba'amer product code follow this example : **CRDO-S-12**

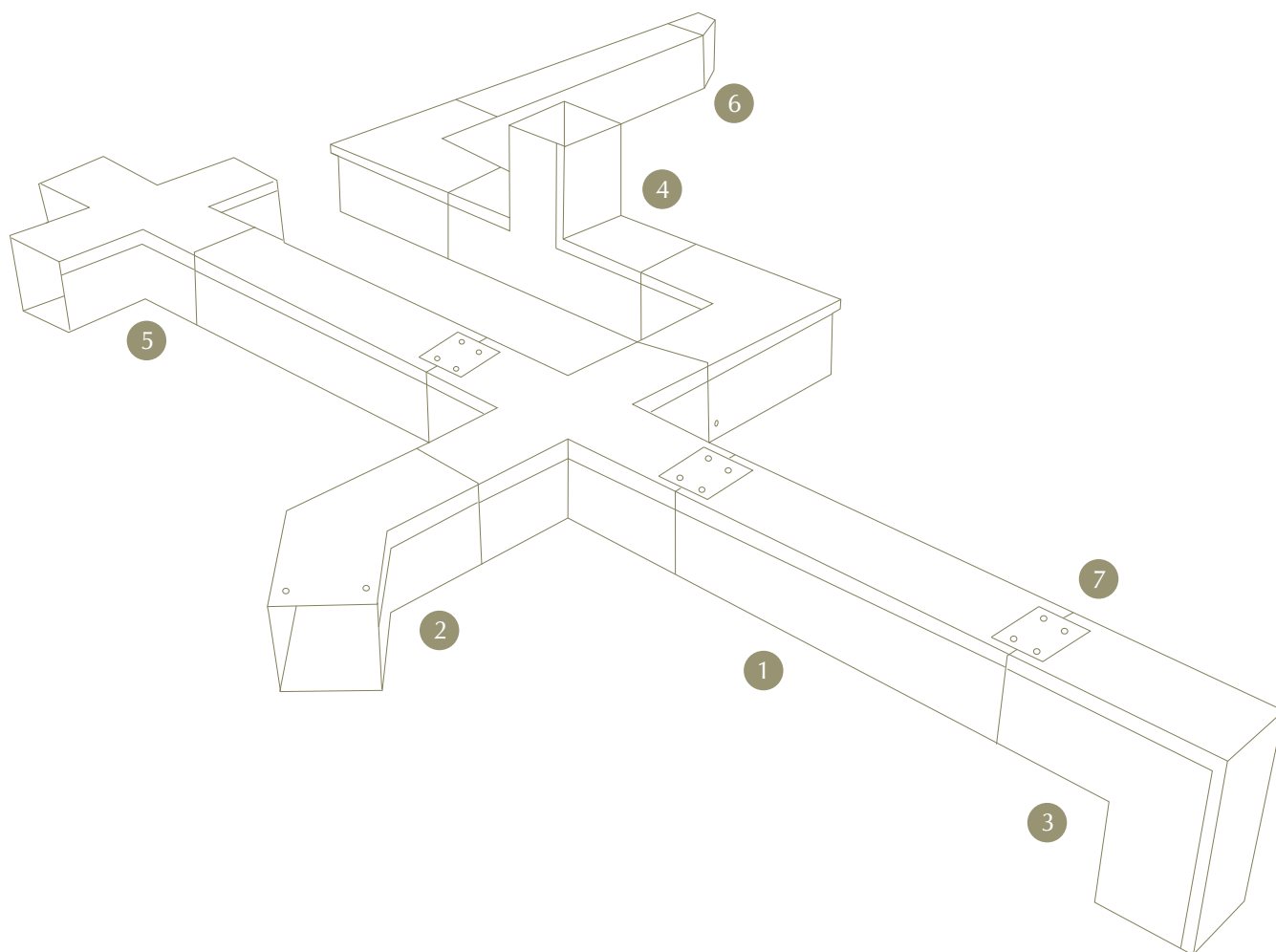
+ other sizes available on request

* dimension in inches or mm

DROP OUT



TRUNKING SYSTEM

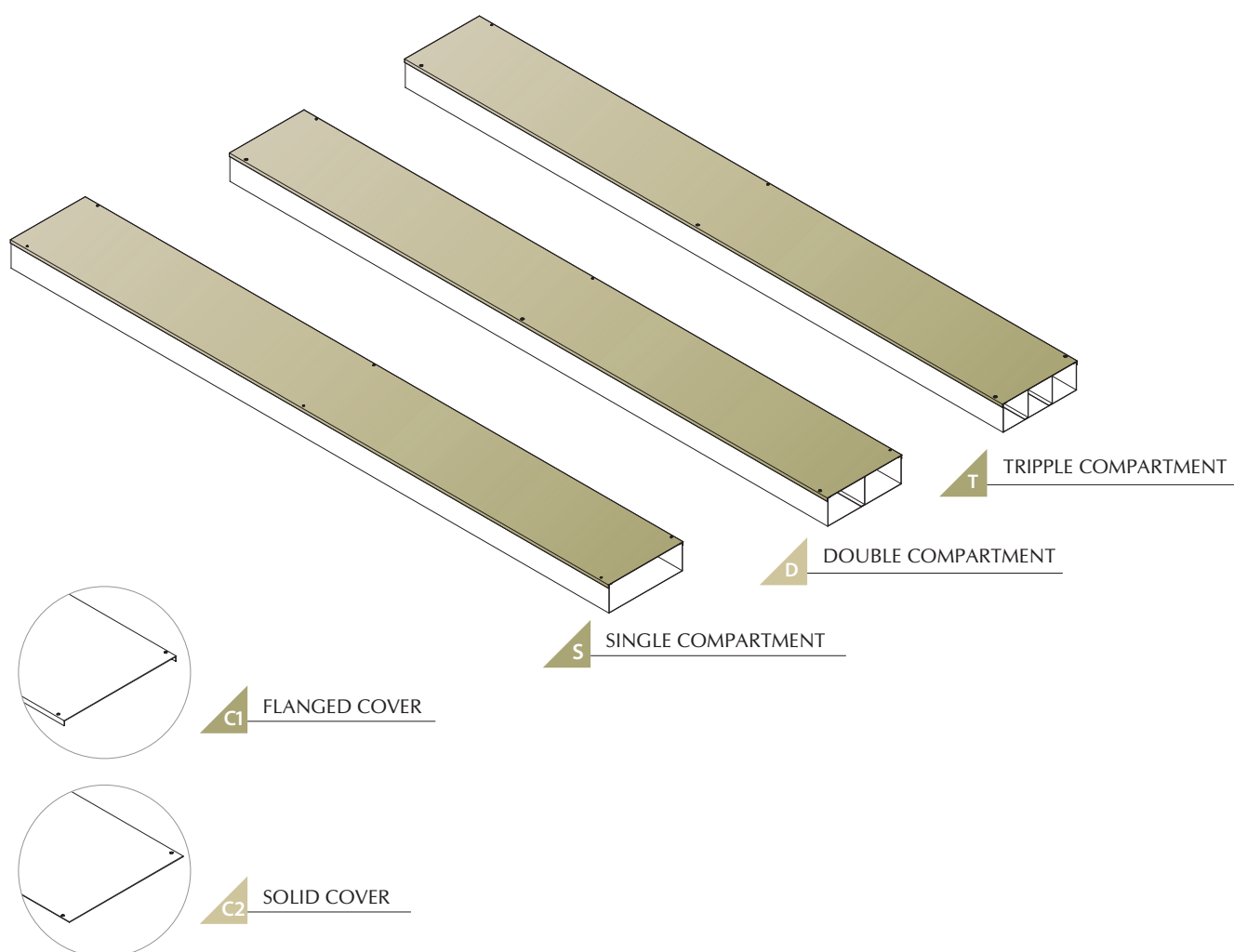


1. Straight Trunking Duct
2. 45 Deg Elbow
3. 90 Deg Elbow
4. Horizontal Tee
5. Horizontal Cross
6. Reducer
7. Coupler

Straight Trunking Duct



BA'AMER
ELECTRIC



Trunking Duct	Compartment Type	Material	Width	Height *	Thickness of the Body	Length	Cover Type	Thickness of the Cover	
STD: Straight Trunking Duct	S: Single	S : Steel	50mm	50mm	1mm	2000mm	C1: Flanged Solid Cover	1mm	
			75mm						
			100mm	75mm	1.2mm	2440mm		1.2mm	
			150mm						
	D: Double	SS : Stainless Steel	200mm	100mm	1.5mm	2440mm	C2: Flat Solid Cover	1.5mm	
			250mm						
			300mm	150mm	2mm	3000mm		2mm	
			350mm						
	T: Tripple	A : Aluminum	400mm	200mm	3mm				
			450mm						
			500mm	250mm					
			600mm						
STD	S	A	100	50	1.5	3000	C1	1.5	
▲ = to generate the Ba'amer product code follow this example : STD-S-A-100-50-1.5-3000-C1-1.5									

+ other sizes available on request

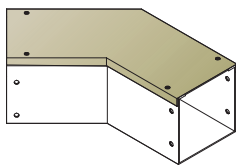
H < W * : Height value never be greater than Width value

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

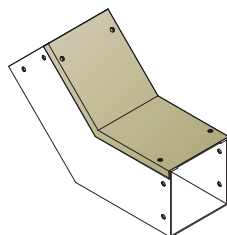
Trunking Duct - Fittings

45 DEG ELBOW

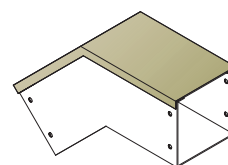
TOP COVER



FRONT COVER

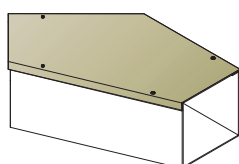


REAR COVER

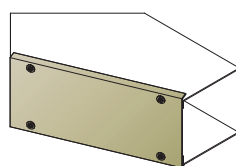


45 DEG ELBOW GUSSET TYPE

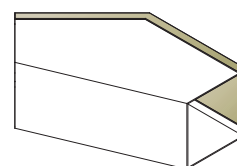
TOP COVER



FRONT COVER

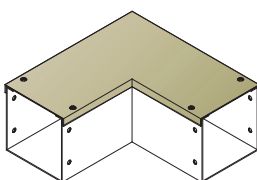


REAR COVER

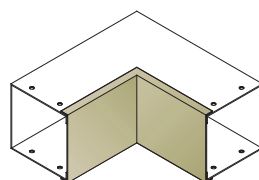


90 DEG ELBOW

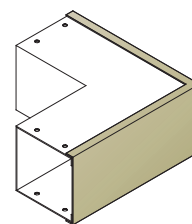
TOP COVER



FRONT COVER

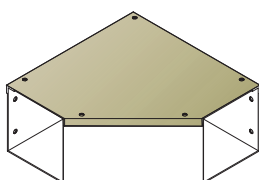


REAR COVER

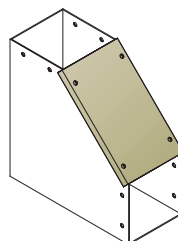


90 DEG ELBOW GUSSET TYPE

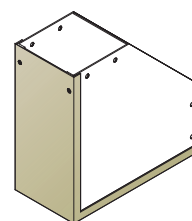
TOP COVER



FRONT COVER



REAR COVER



Trunking Duct Fittings	Duct Type	Compartment Type	Material	Width	Height *	Thickness of the Body	Cover Type	Cover Position	Thickness of the Cover	
45TDE: 45 Deg Elbow	S: Standard	S: Single	S : Steel	50mm	50mm	1mm	C1: Flanged Solid Cover	T : Top	1mm	
				75mm						
				100mm	75mm	1.2mm		F: Front	1.2mm	
				150mm						
90TDHE: 90 Deg Elbow	G: Gusset	D: Double	SS : Stainless Steel	200mm	100mm	1.5mm	C2: Flat Solid Cover	R : Rear	2mm	
				250mm						
				300mm	150mm	2mm				
				350mm						
		T: Tripple	A : Aluminum	400mm	200mm	3mm				
				450mm						
				500mm	250mm					
				600mm						
45TDE	G	S	A	100	50	1.5	C1	R	1.5	

▲ = to generate the Ba'amer product code follow this example : 45TDE-G-S -A-100-50-1.5-C1-R-1.5

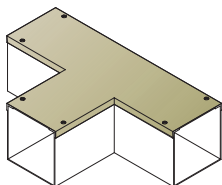
+ other sizes available on request

H < W * : Height value never be greater than Width value

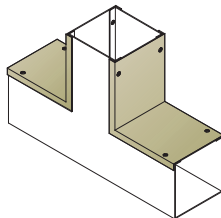
* Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

HORIZONTAL TEE

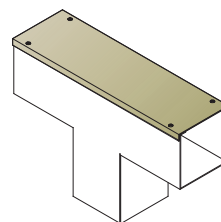
TOP COVER



FRONT COVER

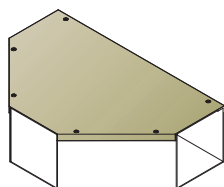


REAR COVER

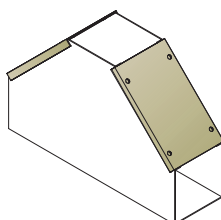


HORIZONTAL CROSS

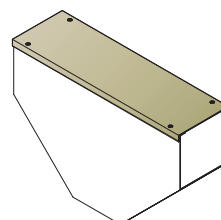
TOP COVER



FRONT COVER

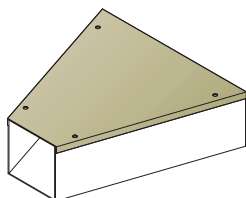


REAR COVER



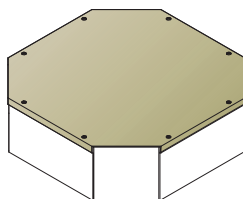
REDUCER HORIZONTAL

TOP COVER



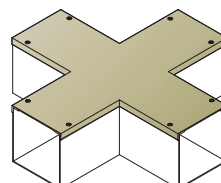
CROSS GUSSET TYPE

TOP COVER



HORIZONTAL CROSS

TOP COVER



Trunking Duct Fittings	Duct Type	Compartment Type	Material	Width	Height *	Thickness of the Body	Cover Type	Cover Position	Thickness of the Cover
TDT: Tee	S: Standard	S: Single	S : Steel	50mm	50mm	1mm	C1: Flanged Solid Cover	T : Top	1mm
				75mm					
				100mm	75mm	1.2mm			
				150mm					
TDC: Cross	G: Gusset	D: Double	SS : Stainless Steel	200mm	100mm	1.5mm	C2: Flat Solid Cover	F: Front	1.2mm
				250mm					
				300mm		150mm			
		350mm							
		T: Tripple	A : Aluminum	400mm	200mm	3mm	R : Rear	2mm	
				450mm					
				500mm	250mm				
		600mm							
TDT	G	S	A	100	50	1.5	C1	R	1.5
▲ = to generate the Ba'amer product code follow this example : TDT-G-S -A-100-50-1.5-C1-R-1.5									

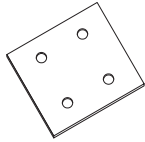
+ other sizes available on request

H < W * : Height value never be greater than Width value | Cross cover can be top only

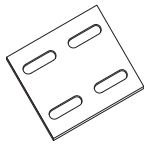
*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code


Trunking Duct - Fittings

TRUNKING STRAIGHT COUPLER



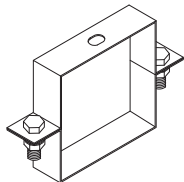
TRUNKING EXPANSION COUPLER



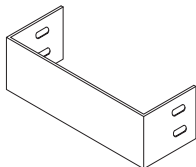
Trunking Duct Type Accessories	Material	Height *
TSC : Trunking Straight Coupler	S : Steel	50mm
		75mm
TEC : Trunking Expansion Coupler	SS : Stainless Steel	100mm
		150mm
	A : Aluminum	200mm
		250mm
TSC	A	150
 = to generate the Ba'amer product code follow this example : TSC-A-150		


+ other sizes available on request H < W * : Height value never be greater than Width value

TRUNKING WRAPAROUND COUPLER



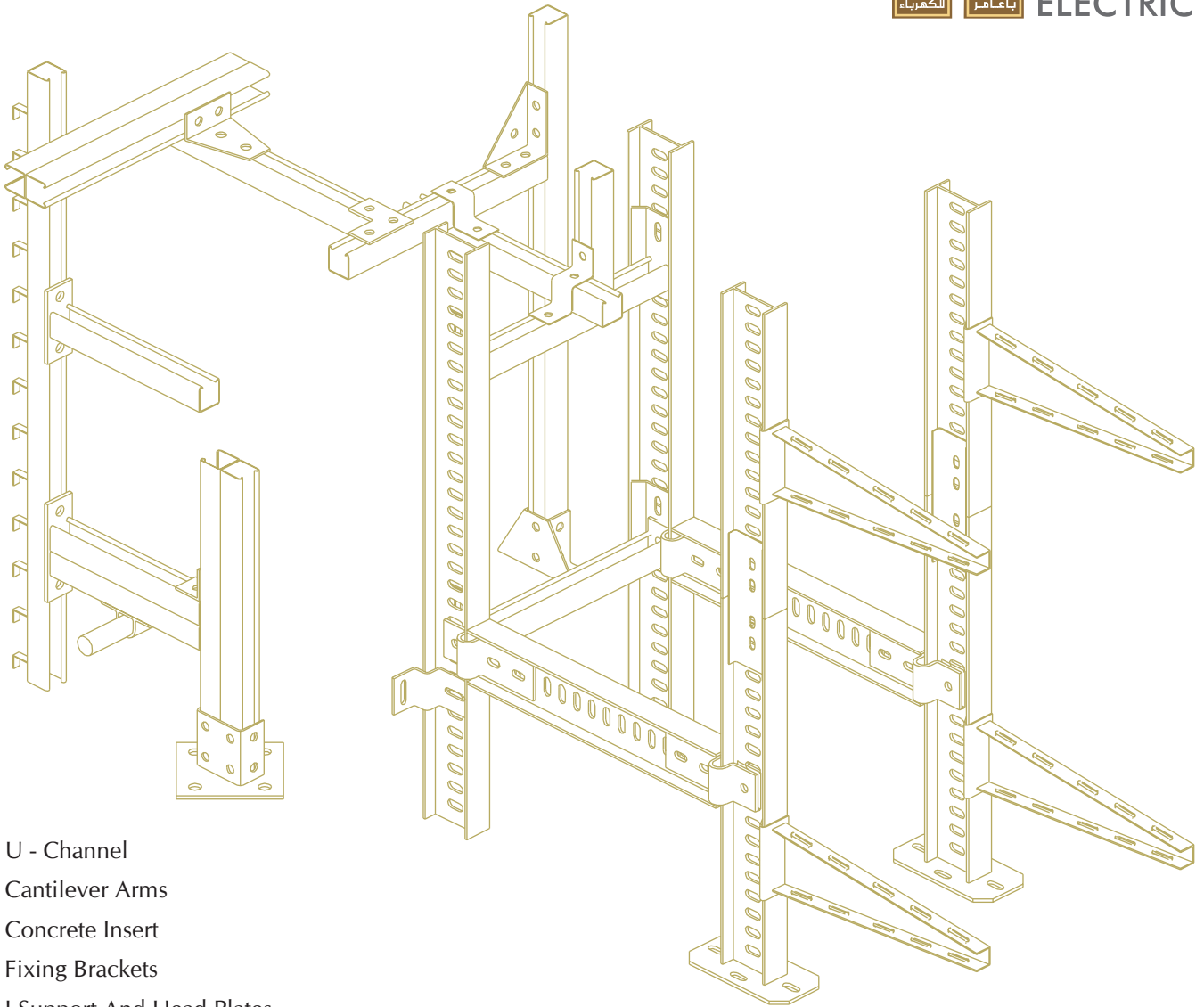
TRUNKING BLIND END



Trunking Duct Type Accessories	Material	Width	Height *
TWC: Trunking Wraparound Coupler	S : Steel	50mm	50mm
		75mm	
		100mm	75mm
		150mm	
TBE: Trunking Blind End	SS : Stainless Steel	200mm	100mm
		250mm	
		300mm	150mm
	A : Aluminum	350mm	
		400mm	
		450mm	200mm
		500mm	250mm
		600mm	
TBE	A	100	150
 = to generate the Ba'amer product code follow this example : TBE-A-100-150			

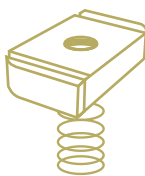
+ other sizes available on request H < W * : Height value never be greater than Width value

SUPPORT SYSTEM



U - Channel
Cantilever Arms
Concrete Insert
Fixing Brackets
I-Support And Head Plates
Base Plates
I-Beam Hanging Clamps
Jointing Materials
Hardware

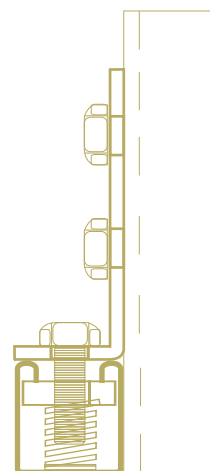
INSERT



CONNECT



TIGHTEN

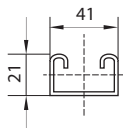


Support System - U - Channel



BA'AMER
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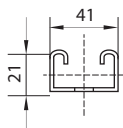
UCH1
PLAIN CHANNEL 41X21



UCH1	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	11900	53400
Section Modulus	mm ³	970	2590
Maximum Bending Moment	Kg-f-M	15.4	41

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	553	0.45	-	-	3993	1042
500	276	1.81	-	212	3379	995
750	184	4.07	169	94	2198	859
1000	138	7.24	95	53	1353	690
1250	110	11.32	61	33	896	548
1500	92	18.3	42	23	634	437
1750	79	22.19	31	-	471	353
2000	69	28.99	23	-	-	-

UCH2
SLOTTED CHANNEL 41X21



UCH2	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	9800	52900
Section Modulus	mm ³	890	2560
Maximum Bending Moment	Kg-f-M	15.4	41

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	508	0.50	-	-	-	-
500	254	2.01	-	174	-	-
750	169	4.54	139	77	-	-
1000	127	8.07	78	43	-	-
1250	110	12.61	50	27	-	-
1500	84	18.17	34	-	-	-
1750	72	24.73	25	-	-	-
2000	63	32.3	-	-	-	-

U-Channel	Material	Thickness	Length
UCH1: Plain Channel 41 x 21	S: Steel	1.5	1000mm
	SS: Stainless Steel	2	2000mm
UCH2: Slotted Channel 41 x 21	A: Aluminum	2.5	3000mm
			6000mm
UCH2	S	1.5	3000

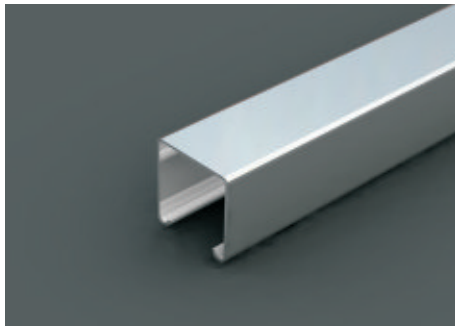
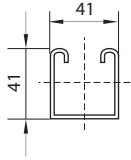
▲ = to generate the Ba'amer product code follow this example : **UCH2-S-1.5-3000**

+ other sizes available on request

*dimension in mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

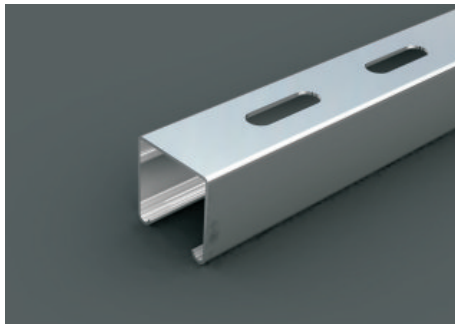
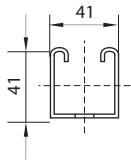
UCH3
PLAIN CHANNEL 41X41



UCH3	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	72100	92300
Section Modulus	mm ³	3100	4470
Maximum Bending Moment	Kg-f-M	49.2	70.5

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plateside (kgs)	Max. Load of column loaded @ flangeside (kgs)
250	1769	0.23	-	-	5869	1693
500	884	0.95	-	-	5379	1650
750	589	2.15	-	571	4479	1554
1000	442	3.82	-	321	3373	1395
1250	353	5.97	-	205	2556	1232
1500	294	8.60	257	142	2020	1093
1750	252	11.70	188	104	1656	976
2000	221	15.29	144	80	1395	879
2250	196	19.35	114	63	1198	797
2500	176	23.89	92	51	1044	725
2750	160	28.91	76	42	919	663
3000	147	34.40	64	35	816	607

UCH4
SLOTTED CHANNEL 41X41



UCH4	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	61000	91700
Section Modulus	mm ³	2870	4440
Maximum Bending Moment	Kg-f-M	49.2	70.5

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plateside (kgs)	Max. Load of column loaded @ flangeside (kgs)
250	1638	0.27	-	-	5351	1660
500	819	1.05	-	-	5100	1635
750	546	2.35	-	483	4412	1557
1000	409	4.18	-	271	3284	1389
1250	327	6.54	313	174	2436	1211
1500	273	9.41	217	120	1899	1062
1750	234	12.81	159	88	1546	941
2000	204	16.73	122	67	1297	843
2250	182	21.18	96	53	1113	761
2500	163	26.15	78	43	970	691
2750	148	31.64	64	35	855	631
3000	136	37.65	54	30	761	578

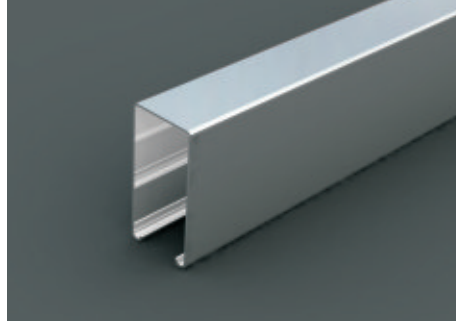
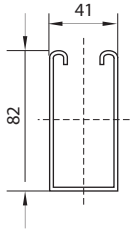
U-Channel	Material	Thickness	Length
UCH3: Plain Channel 41 x 41	S: Steel	1.5	1000mm
	SS: Stainless Steel	2	2000mm
UCH4: Slotted Channel 41 x 41	A: Aluminum	2.5	3000mm
			6000mm
UCH4	S	1.5	3000

▲ = to generate the Ba'amer product code follow this example : **UCH4-S-1.5-3000**

+ other sizes available on request

*dimension in mm

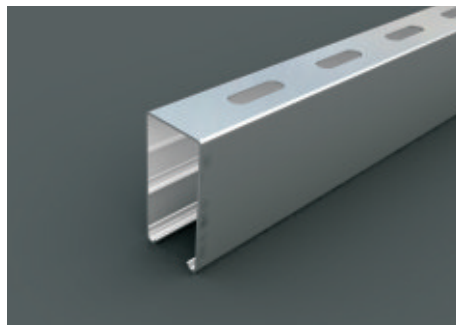
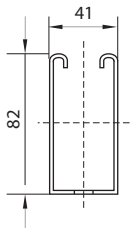
UCH5
PLAIN CHANNEL 41X82



UCH5	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	428500	170000
Section Modulus	mm ³	9640	8240
Maximum Bending Moment	Kg-f-M	147	132

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plateside (kgs)	Max. Load of column loaded @ flangeside (kgs)
250	-	-	-	-	7169	2053
500	-	-	-	-	6710	2013
750	1373	0.84	-	-	3820	1641
1000	1030	1.49	-	-	2260	1265
1250	824	2.34	-	-	1514	992
1500	686	3.37	-	-	1103	797
1750	588	4.58	-	-	852	657
2000	515	5.99	-	477	687	555
2250	457	7.58	-	377	573	478
2500	412	9.36	-	305	489	418
2750	374	11.33	-	252	426	371
3000	343	13.48	-	212	377	333

UCH6
SLOTTED CHANNEL 41X82



UCH6	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	377600	169500
Section Modulus	mm ³	9010	8210
Maximum Bending Moment	Kg-f-M	147	132

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plateside (kgs)	Max. Load of column loaded @ flangeside (kgs)
250	-	-	-	-	6705	2000
500	-	-	-	-	6412	1973
750	1284	0.89	-	-	4053	1674
1000	963	1.59	-	-	2415	1307
1250	770	2.48	-	-	1619	1032
1500	642	3.58	-	-	1179	834
1750	550	4.86	-	-	910	690
2000	481	6.36	-	420	733	583
2250	428	8.05	-	332	611	503
2500	385	9.93	-	269	522	441
2750	350	12.02	-	222	454	392
3000	321	14.31	-	187	402	352

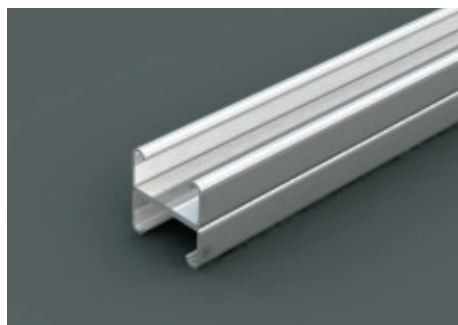
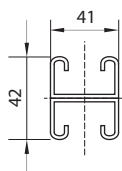
U-Channel	Material	Thickness	Length
UCH5 : Plain Channel 41 x 82	S: Steel	1.5	1000mm
	SS: Stainless Steel	2	2000mm
UCH6 : Slotted Channel 41 x 82	A: Aluminum	2.5	3000mm
			6000mm
UCH6	S	1.5	3000

▲ = to generate the Ba'amer product code follow this example : UCH6-S-1.5-3000

+ other sizes available on request

* dimension in mm

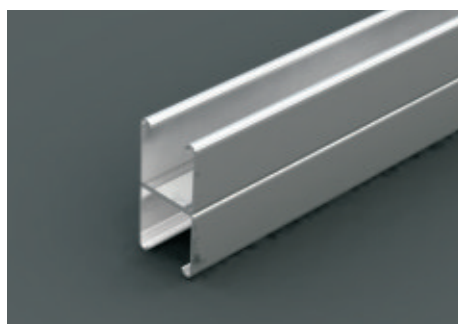
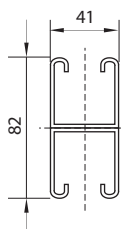
UCH7
DOUBLE CHANNEL 2 (41X21)



UCH7	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	56400	106800
Section Modulus	mm ³	2730	5180
Maximum Bending Moment	Kg-f-M	43.4	82.1

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	1558	0.26	-	-	8228	1834
500	779	1.07	-	-	7740	1809
750	519	2.42	-	446	6865	1756
1000	389	4.3	-	251	5367	1639
1250	311	6.72	289	160	3882	1468
1500	259	9.68	201	111	2838	1289
1750	222	13.18	147	82	2143	1123
2000	194	17.21	113	62	1668	977
2250	173	21.79	89	49	1334	852
2500	155	26.9	72	40	1090	745
2750	141	32.55	59	33	906	655
3000	129	38.73	50	27	-	-

UCH8
DOUBLE CHANNEL 2 (41X41)



UCH8	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	362700	184600
Section Modulus	mm ³	8780	8940
Maximum Bending Moment	Kg-f-M	141	140

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	-	-	-	-	11952	2880
500	-	-	-	-	11682	2864
750	1670	1.21	-	-	11186	2833
1000	1253	2.15	-	-	10451	2783
1250	1002	3.36	-	-	9305	2695
1500	835	4.84	-	718	7790	2551
1750	716	6.59	-	527	6293	2367
2000	626	8.61	-	404	5068	2170
2250	556	10.89	-	319	4127	1977
2500	501	13.45	465	258	3410	1796
2750	455	16.27	384	213	2858	1630
3000	417	19.37	323	179	2427	1480

U-Channel	Material	Thickness	Length
UCH7 : Double Channel 2 (41 x 21)	S: Steel	1.5	1000mm
	SS: Stainless Steel	2	2000mm
UCH8: Double Channel 2 (41 x 41)	A: Aluminum	2.5	3000mm
			6000mm
UCH8	S	1.5	3000

▲ = to generate the Ba'amer product code follow this example : UCH8-S-1.5-3000

+ other sizes available on request

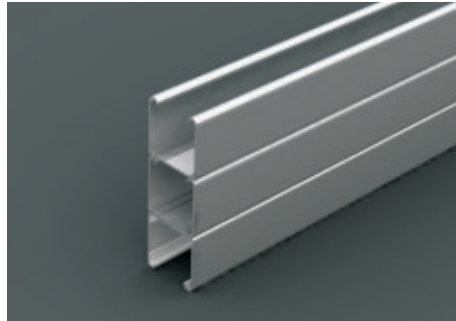
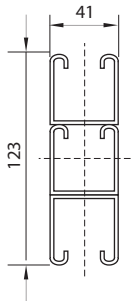
* dimension in mm

Support System - U - Channel



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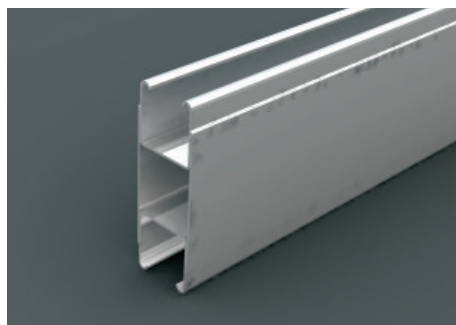
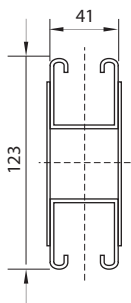
UCH9
TRIPLE CHANNEL 2 (41X41)



UCH9	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	1221500	276900
Section Modulus	mm ³	19450	13410
Maximum Bending Moment	Kg-f-M	34.8	16.8

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	-	-	-	-	16677	4151
500	-	-	-	-	16154	4118
750	-	-	-	-	15093	4045
1000	-	-	-	-	13151	3891
1250	-	-	-	-	10586	3631
1500	-	-	-	-	8175	3297
1750	1586	4.33	-	-	6353	2955
2000	1387	5.66	-	1361	5007	2627
2250	1233	7.16	-	1075	4024	2328
2500	1110	8.84	-	871	3293	2063
2750	1009	10.7	-	720	2744	1833
3000	925	12.74	-	805	2325	1638

UCH10
DOUBLE CHANNEL 2 (41X41)
WITH 2 FLANGES



UCH10	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	156900	421500
Section Modulus	mm ³	25300	18210
Maximum Bending Moment	Kg-f-M	36.7	19

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	-	-	-	-	20764	5389
500	-	-	-	-	20478	5370
750	-	-	-	-	19794	5322
1000	-	-	-	-	18876	5253
1250	-	-	-	-	17527	5143
1500	-	-	-	-	15583	4961
1750	2063	4.39	-	-	13239	4696
2000	1805	5.73	-	1748	10982	4377
2250	1604	7.25	-	1381	9088	4041
2500	1444	8.96	-	1119	7578	3712
2750	1312	10.84	-	924	6388	3402
3000	1203	12.90	-	777	5445	3115

U-Channel	Material	Thickness	Length
UCH9: Tripple Channel 3 (41 x 41)	S: Steel	1.5	1000mm
	SS: Stainless Steel	2	2000mm
UCH10: Double Channel 2 (41 x 41)	A: Aluminum	2.5	3000mm
			6000mm
UCH10	S	1.5	3000

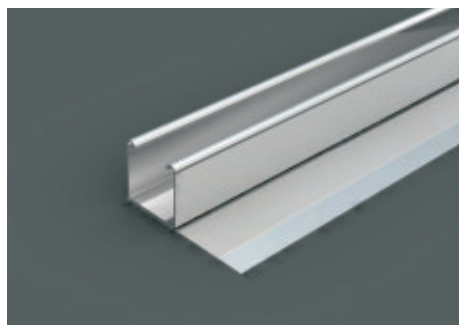
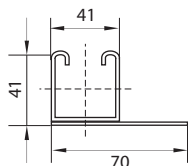
▲ = to generate the Ba'amer product code follow this example : UCH10-S-1.5-3000

+ other sizes available on request

*dimension in mm

*Finish: **HDG**: Hot Dip Galvanized | **GI**: Pre Galvanized | **PC**: Powder Coated add the finish code to end of the product code

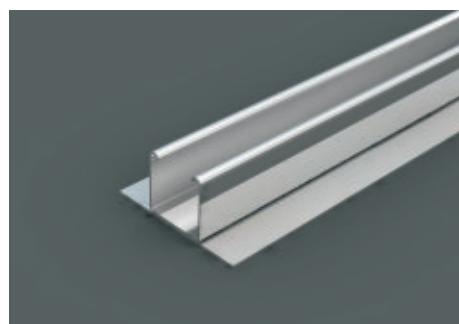
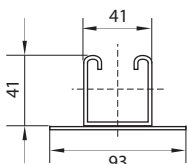
UCH11
PLAIN CHANNEL 41X41 WITH A FLANGE



UCH11	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	114900	187400
Section Modulus	mm ³	3760	4060
Maximum Bending Moment	Kg-f-M	15.1	16.6

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	2146	0.18	-	-	-	-
500	1073	0.72	-	-	-	-
750	715	1.63	-	-	-	-
1000	536	2.90	-	512	-	-
1250	429	4.54	-	327	-	-
1500	357	6.54	-	227	-	-
1750	306	8.91	301	167	-	-
2000	268	11.63	230	128	-	-
2250	238	14.73	182	101	-	-
2500	214	18.18	147	81	-	-
2750	195	22	121	67	-	-
3000	178	26.18	102	56	-	-

UCH12
PLAIN CHANNEL 41X41 WITH A FLANGE



UCH12	Unit	X-X Axis	Y-Y Axis
Moment of Inertia	mm ⁴	123200	259800
Section Modulus	mm ³	3840	4660
Maximum Bending Moment	Kg-f-M	15.0	17.7

Length Span (mm)	Uniform Load @ 175N/mm (Kgs)	Deflection @ 175N/mm (mm)	Uniform Load @ Max.Def. 1/200 Span (Kgs)	Uniform Load @ Max.Def. 1/360 Span (Kgs)	Max. Load of column loaded @ plate side (kgs)	Max. Load of column loaded @ flange side (kgs)
250	2192	0.17	-	-	-	-
500	1096	0.69	-	-	-	-
750	730	1.55	-	-	-	-
1000	548	2.77	-	-	-	-
1250	438	4.33	-	351	-	-
1500	365	6.23	-	244	-	-
1750	313	8.48	-	179	-	-
2000	274	11.08	247	137	-	-
2250	243	14.03	195	108	-	-
2500	219	17.32	158	87	-	-
2750	199	20.96	130	72	-	-
3000	182	24.94	109	61	-	-

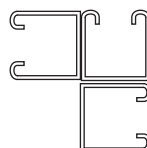
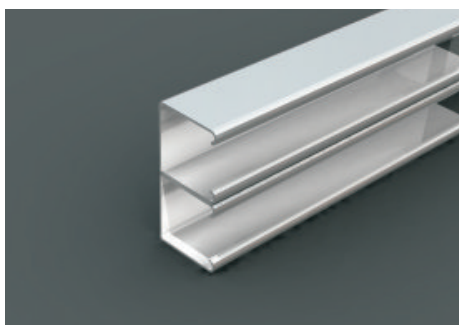
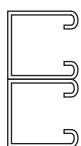
U-Channel	Material	Thickness	Length
UCH11: Plain Channel 41 x 41 with a Flange	S: Steel	1.5	1000mm
	SS: Stainless Steel	2	2000mm
UCH12: Plain Channel 41 x 41 with a Flange	A: Aluminum	2.5	3000mm
			6000mm
UCH12	S	1.5	3000

▲ = to generate the Balamer product code follow this example : UCH12-S-1.5-3000

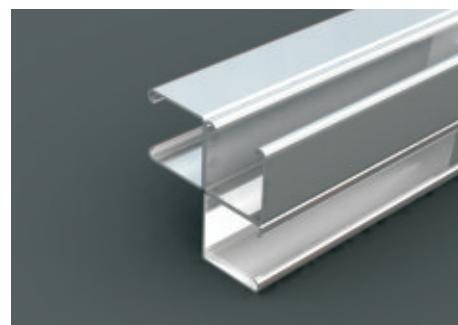
+ other sizes available on request

*dimension in mm

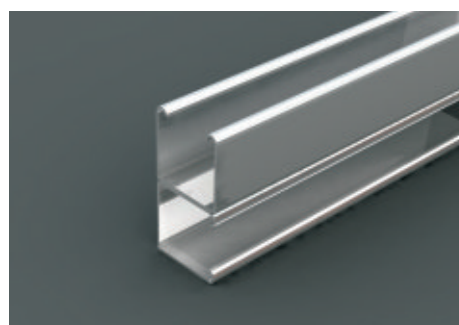
UCH13: DOUBLE CHANNEL 2 (41X41)



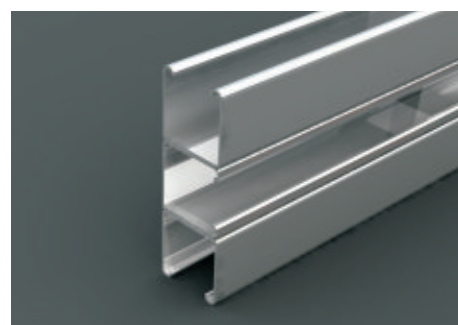
UCH16: TRIPPLE CHANNEL 3 (41X41)



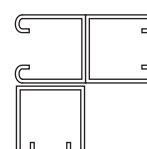
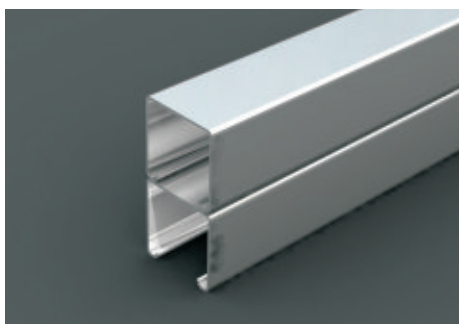
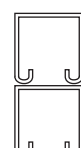
UCH14: DOUBLE CHANNEL 2 (41X41)



UCH17: TRIPPLE CHANNEL 3 (41X41)



UCH15: DOUBLE CHANNEL 2 (41X41)



UCH18: TRIPPLE CHANNEL 3 (41X41)



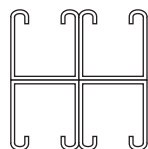
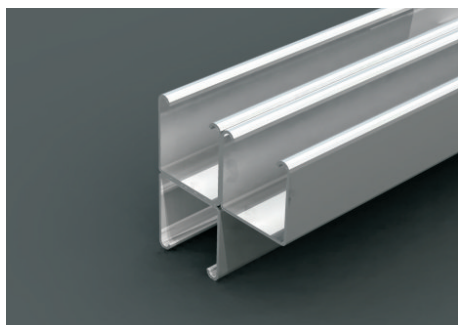
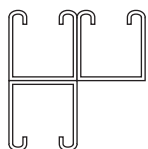
U-Channel	Material	Thickness	Length
UCH13: Double Channel 2 (41x41)	S: Steel	1.5	1000mm
UCH14: Double Channel 2 (41x41)			2000mm
UCH15: Double Channel 2 (41x41)	SS: Stainless Steel	2	3000mm
UCH16: Tripple Channel 3 (41x41)			6000mm
UCH17: Tripple Channel 3 (41x41)	A: Aluminum	2.5	3000
UCH18: Tripple Channel 3 (41x41)			
UCH18	S	1.5	3000

▲ = to generate the Ba'amer product code follow this example : UCH18-S-1.5-3000

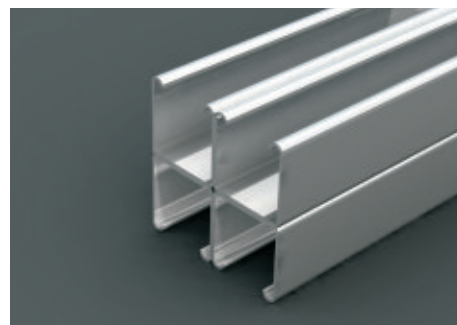
+ other sizes available on request

* dimension in mm

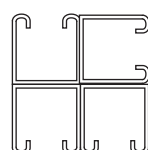
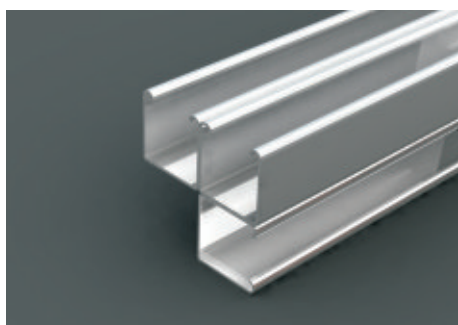
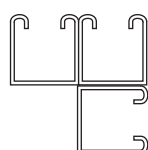
UCH19: TRIPPLE CHANNEL 3 (41X41)



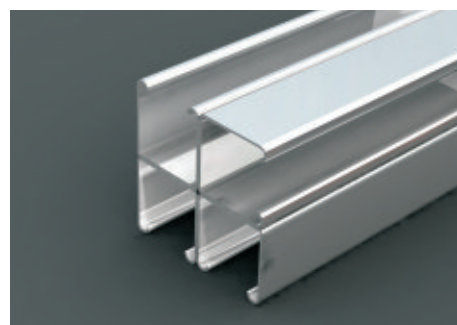
UCH21: FOUR CHANNEL 4 (41X41)



UCH20: TRIPPLE CHANNEL 3 (41X41)



UCH21: FOUR CHANNEL 4 (41X41)



U-Channel	Material	Thickness	Length
UCH19: Tripple Channel 3 (41 x 41)	S: Steel	1.5	1000mm
UCH20: Tripple Channel 3 (41 x 41)	SS: Stainless Steel	2	2000mm
UCH21: Four Channel 4 (41 x 41)			3000mm
UCH22: Four Channel 4 (41 x 41)	A: Aluminum	2.5	6000mm
UCH22	S	1.5	3000

▲ = to generate the Ba'amer product code follow this example : UCH22-S-1.5-3000

+ other sizes available on request

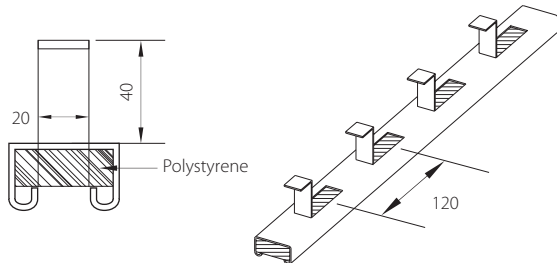
*dimension in mm

Support System - Concrete Insert

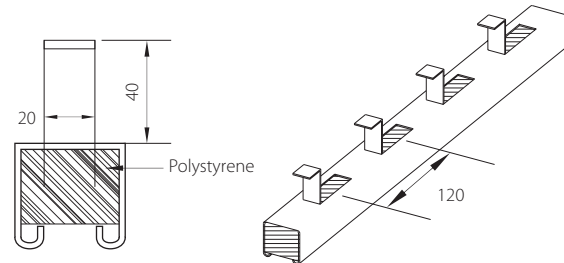


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41 X 21 X 2.5mm CONCRETE INSERT



41 X 41 X 2.5mm CONCRETE INSERT

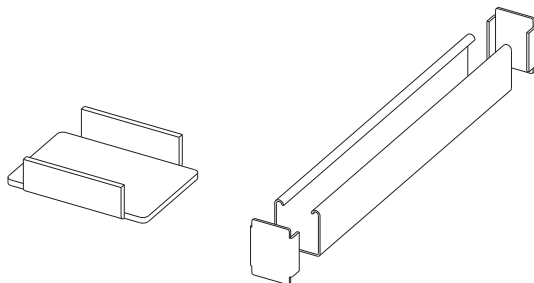


to generate the Ba'amer product code follow this example :

CI	M	L
Medium Duty Length		

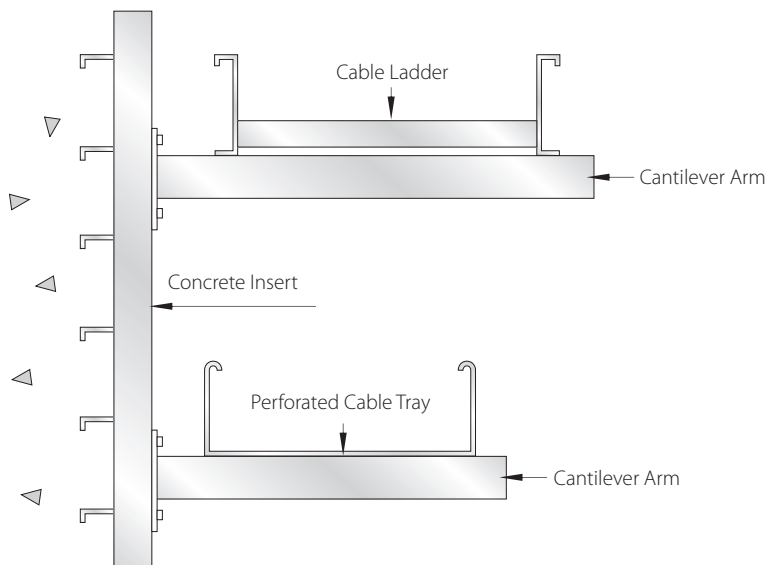
CI	H	L
Heavy Duty Length		

END CAP



to generate the Ba'amer product code follow this example :

EC	H
----	---



Concrete inserts are manufactured of standard channel type UCH1 and UCH3 with polystyrene in fill to keep clean enclosure while pouring concrete.

Standard length is 3 meters. but other length is available upon request.

Material : Steel Sheet to ASTM A-36

Finishing : Hot Dip Galvanized after fabrication

According to BS EN ISO 1461 : 1999

LOAD DATA:

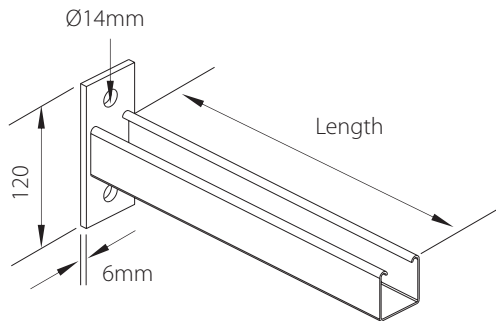
Following data are based on average concrete strength of 33 N/mm²

1. Type : CI - H
safe load for 1 mtr. length 2160 Kg

2. Type : CI - M
safe load for 1 mtr. length 2160 Kg
safety factor is 2.

Support System - Cantilever Arms

SINGLE CANTILEVER ARM

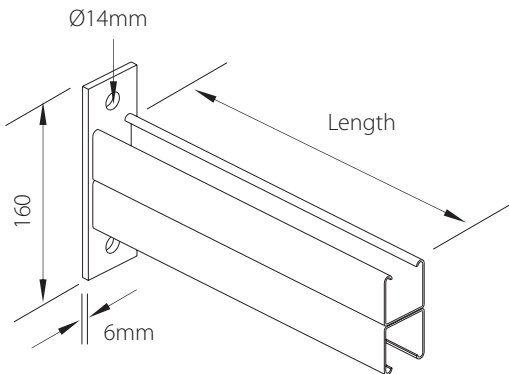


to generate the Ba'amer product code follow this example :

CAS **600**
Length

Code & Size	Length (mm)	Weight (Kg/pc)	Uload (Kgf)
CAS 201-150	150	0.63	722
CAS 201-200	200	0.77	593
CAS 201-250	250	0.9	485
CAS 201-300	300	1.03	378
CAS 201-350	350	1.17	325
CAS 201-400	400	1.3	286
CAS 201-450	450	1.43	236
CAS 201-500	500	1.57	224
CAS 201-550	550	1.7	204
CAS 201-600	600	1.83	184
CAS 201-650	650	1.96	170
CAS 201-700	700	2.1	158
CAS 201-750	750	2.23	145

DOUBLE CANTILEVER ARM

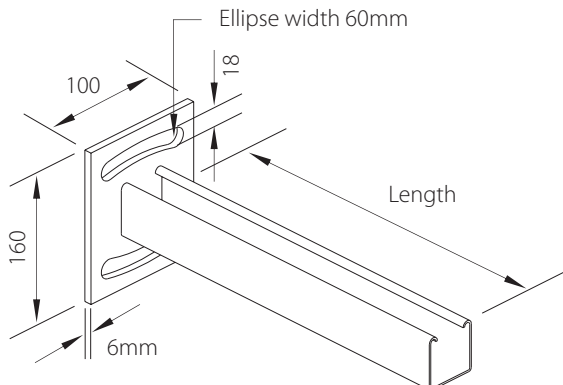


to generate the Ba'amer product code follow this example :

CAD **600**
Length

Code & Size	Length (mm)	Weight (Kg/pc)	Uload (Kgf)
CAD 202-150	150	1.11	1408
CAD 202-200	200	1.38	1158
CAD 202-250	250	1.64	908
CAD 202-300	300	1.91	658
CAD 202-350	350	2.18	555
CAD 202-400	400	2.44	489
CAD 202-450	450	2.71	423
CAD 202-500	500	2.97	383
CAD 202-550	550	3.24	349
CAD 202-600	600	3.51	315
CAD 202-650	650	3.77	292
CAD 202-700	700	4.04	272
CAD 202-750	750	4.3	252
CAD 202-800	800	4.57	237
CAD 202-850	850	4.83	224
CAD 202-900	900	5.1	212

INVERTED CANTILEVER ARM



to generate the Ba'amer product code follow this example :

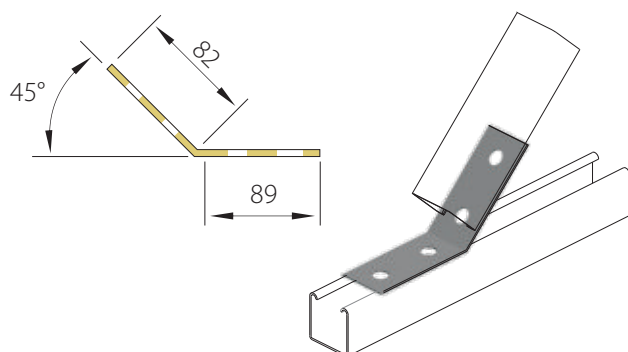
ICA **600**
Length

Code & Size	Length (mm)	Weight (Kg/pc)	Uload (Kgf)
ICA 203-150	150	0.87	480
ICA 203-200	200	1	441
ICA 203-250	250	1.14	402
ICA 203-300	300	1.27	363
ICA 203-350	350	1.4	325
ICA 203-400	400	1.53	286
ICA 203-450	450	1.67	247
ICA 203-500	500	1.8	224
ICA 203-550	550	1.93	204
ICA 203-600	600	2.07	184

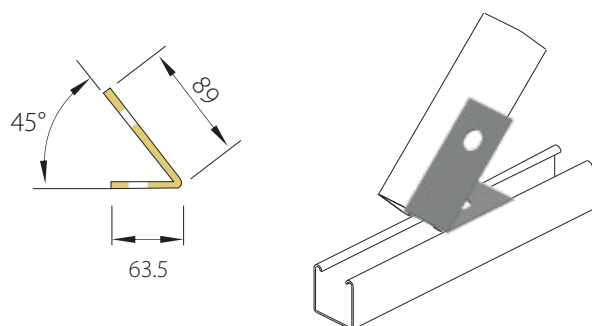
(Unless Otherwise Specified)

Ø14 mm Hole Size for M12 Hexagonal Bolt - 21 mm from End to Center Hole

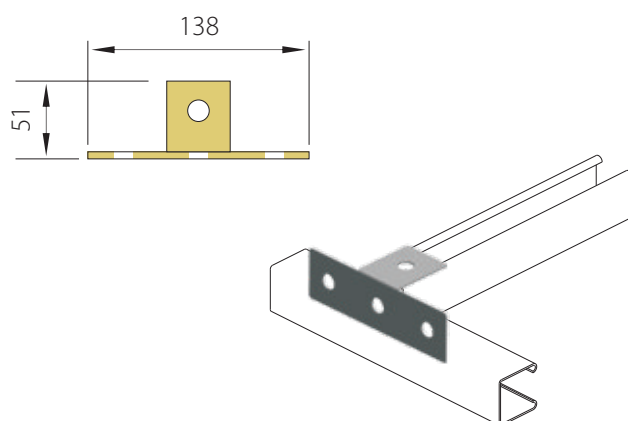
FB 1



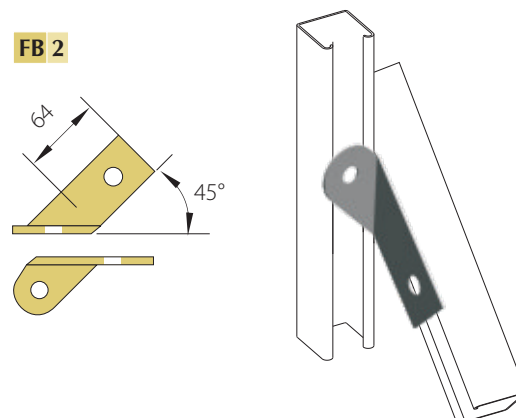
FB 3



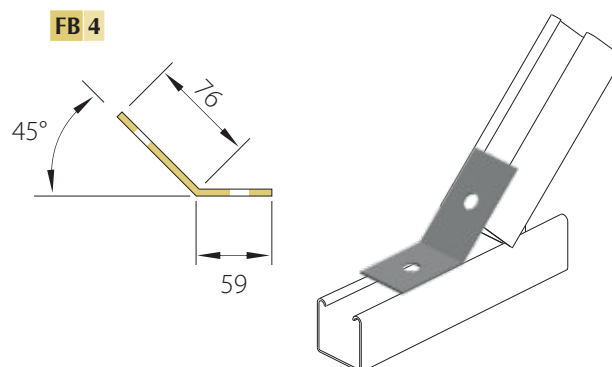
FB 5



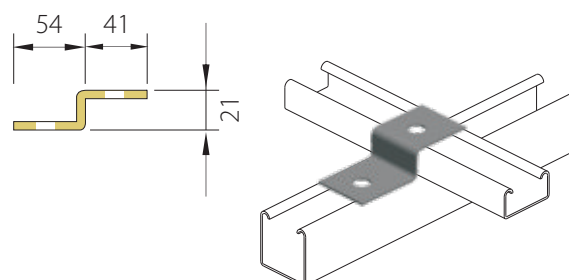
FB 2



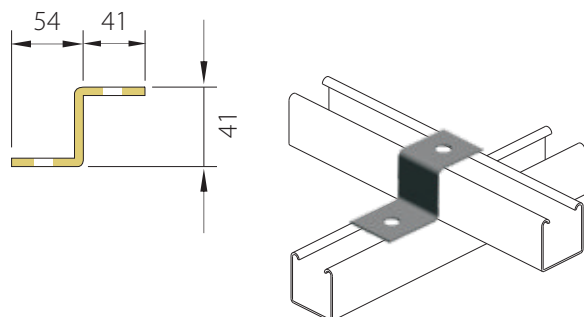
FB 4



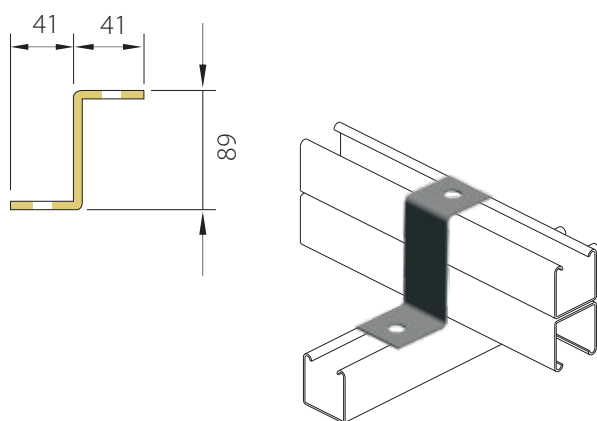
FB 6



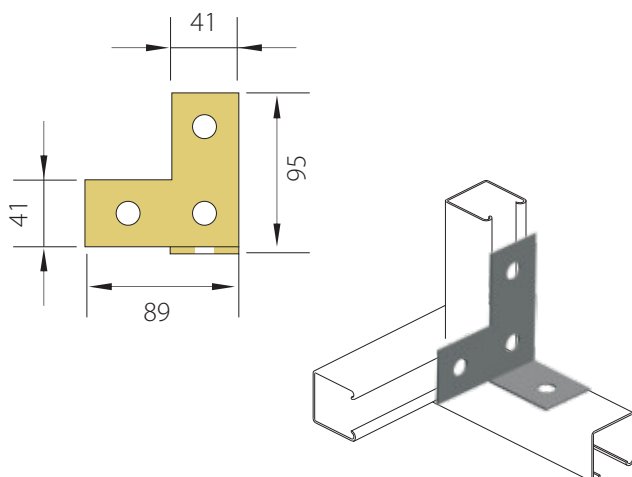
FB 7



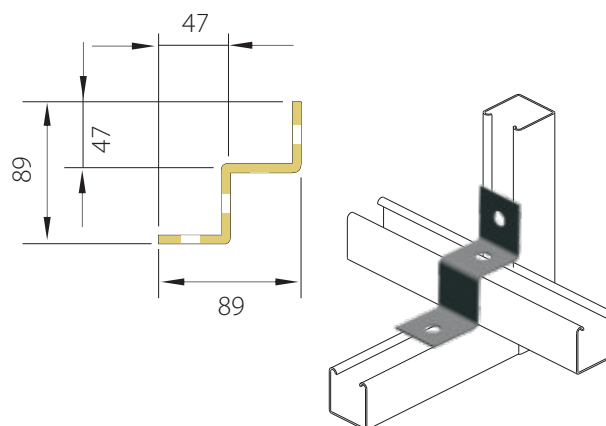
FB 9



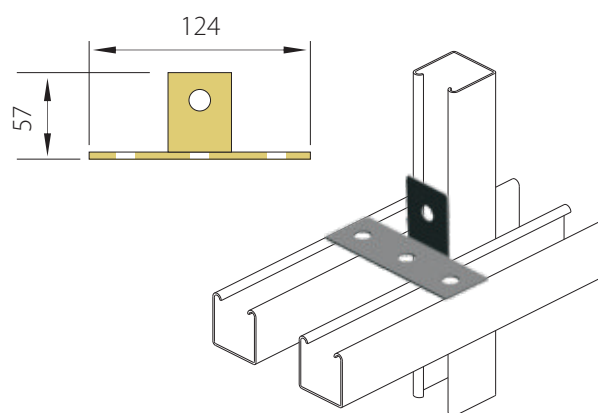
FB 11



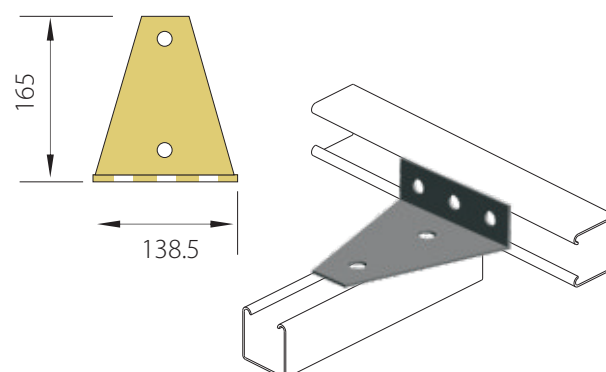
FB 8



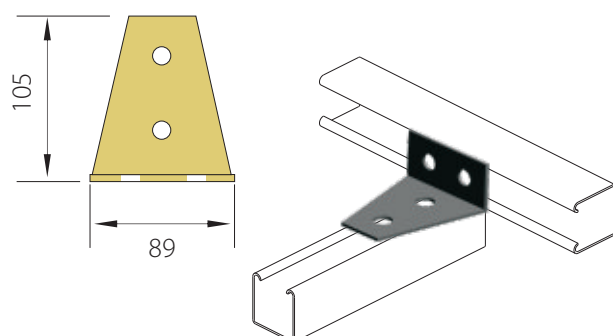
FB 10



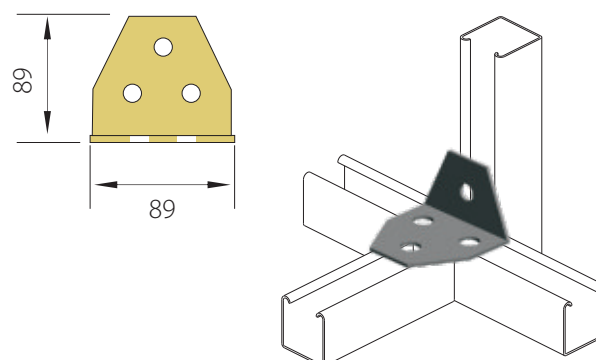
FB 12



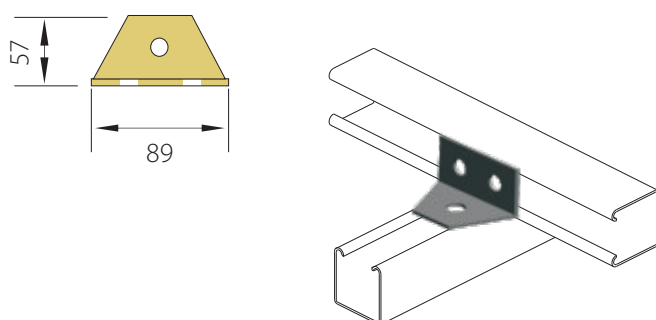
FB 13



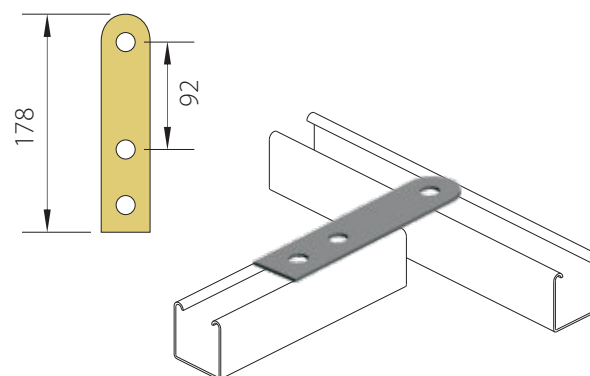
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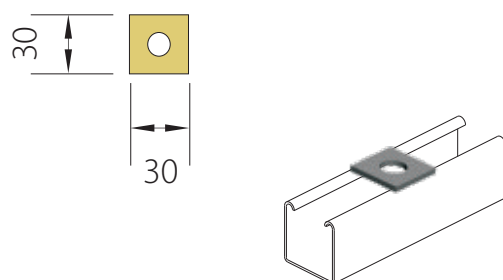
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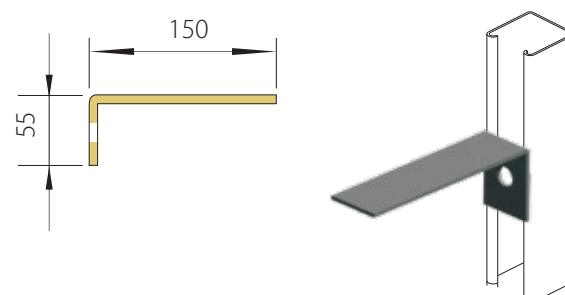
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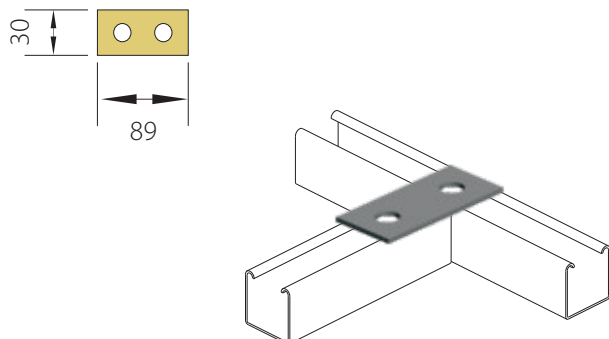
FB 17



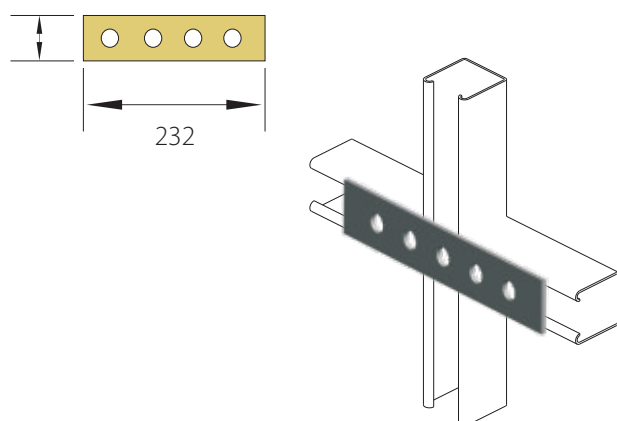
FB 18



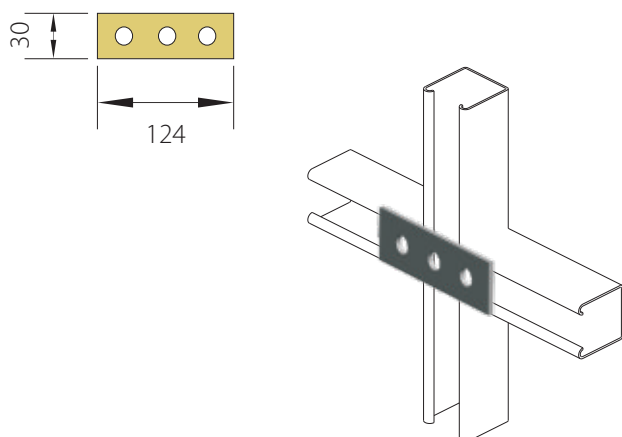
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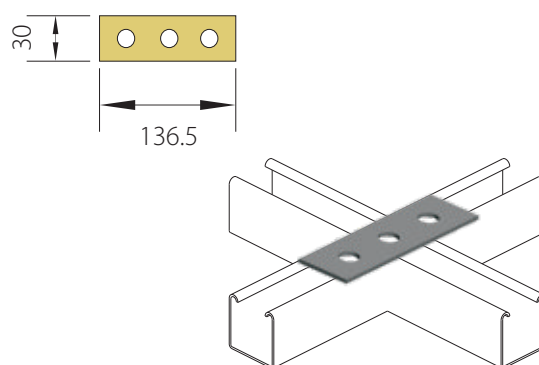
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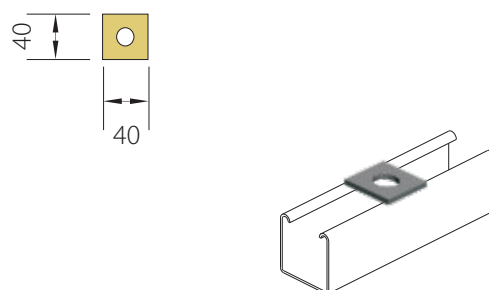
FB 23



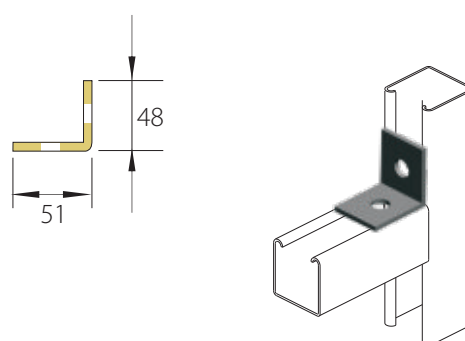
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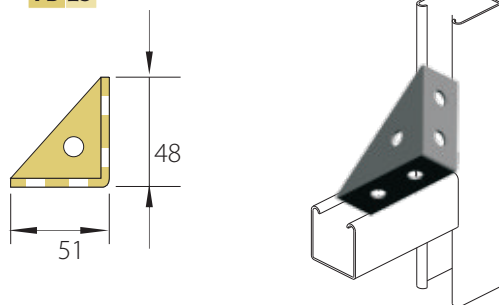
FB 22



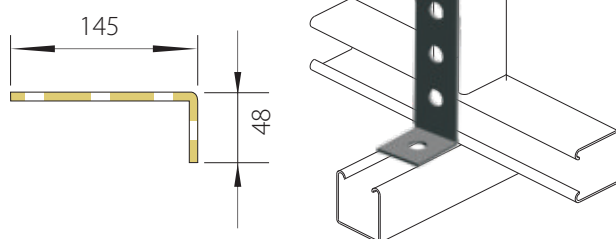
FB 24



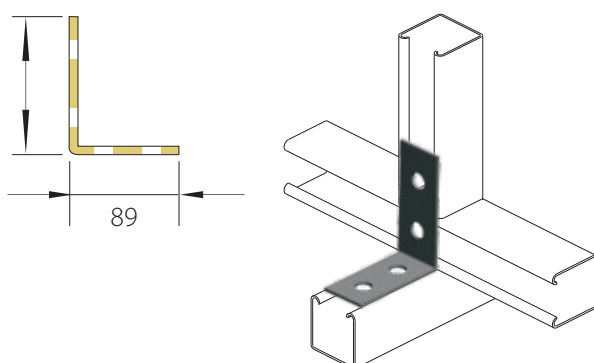
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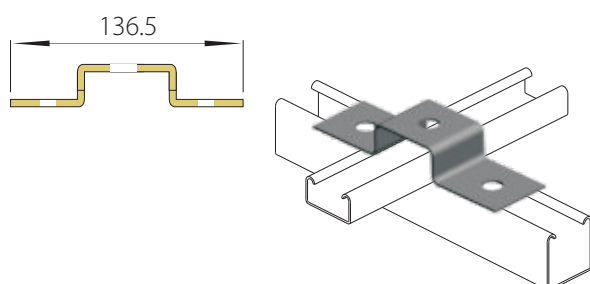
FB 27



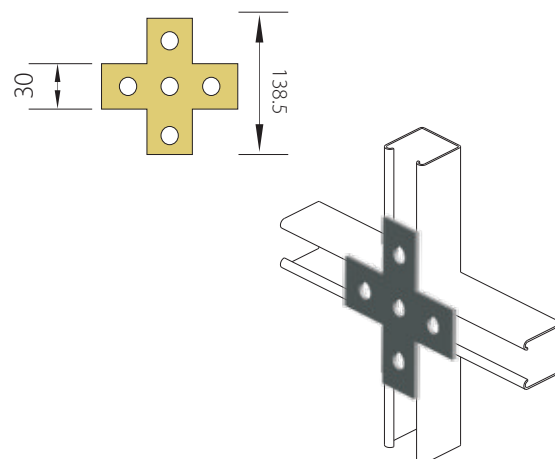
FB 29



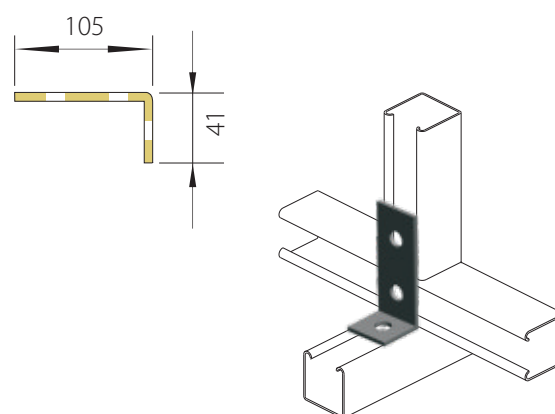
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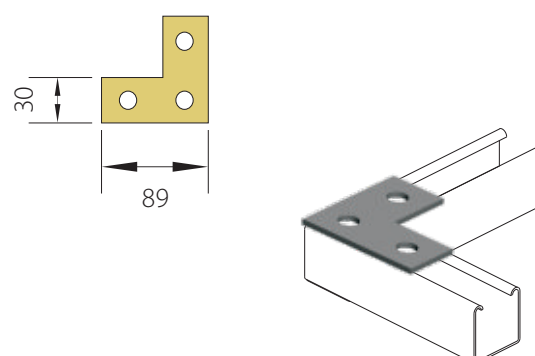
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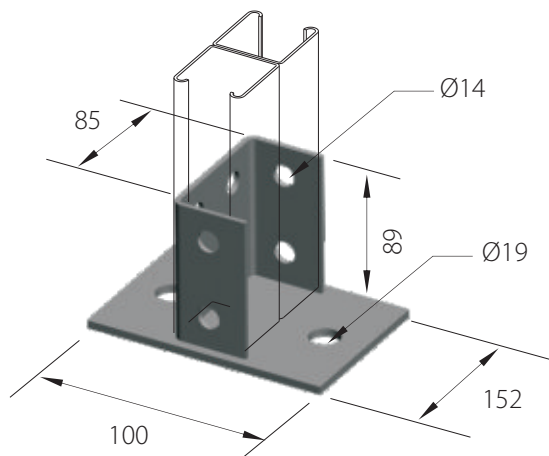
FB 28



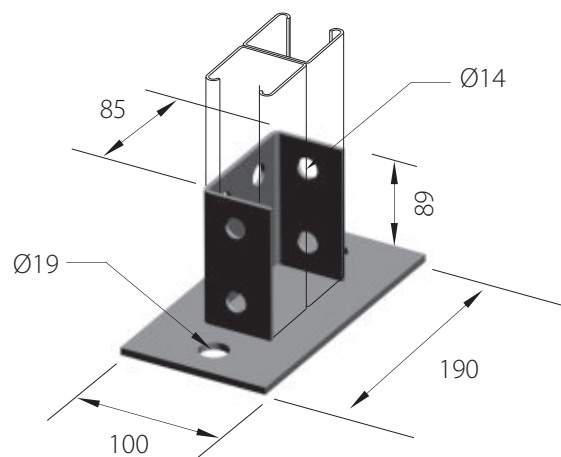
FB 30



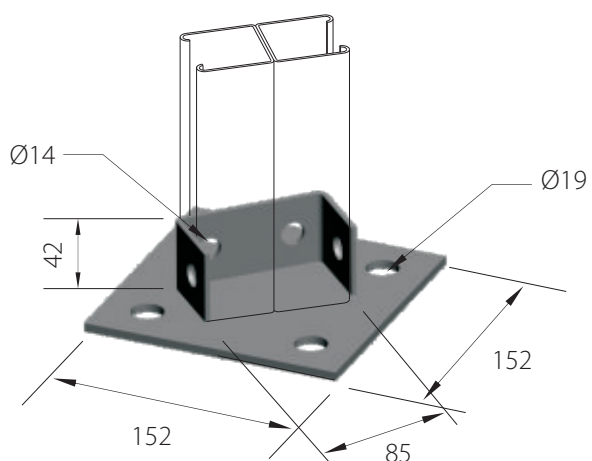
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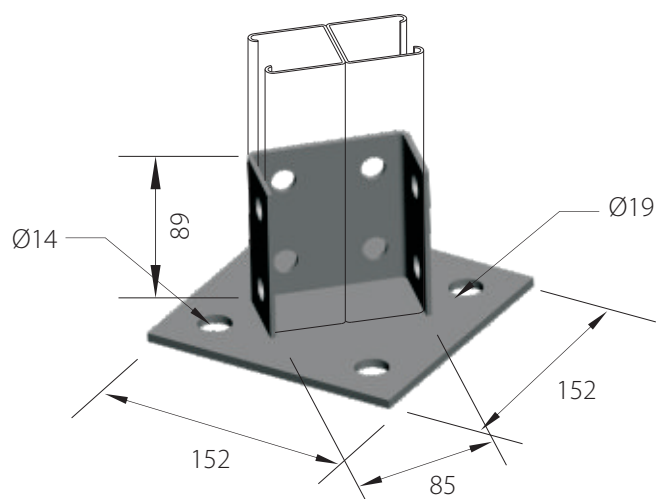
BP 2



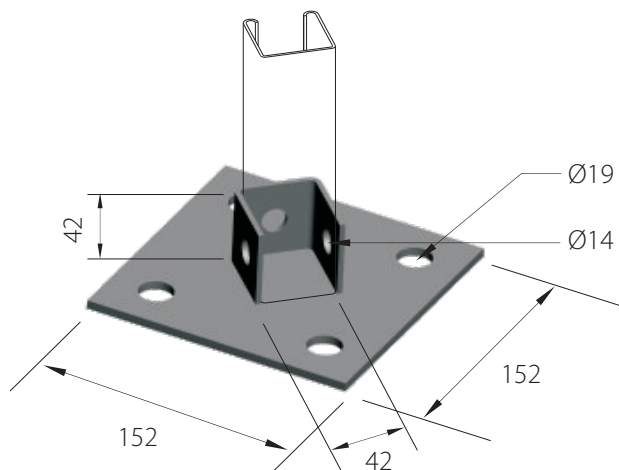
BP 3



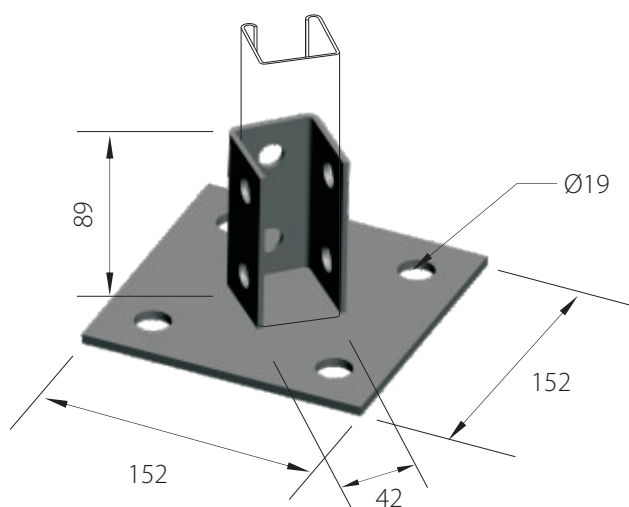
BP 4



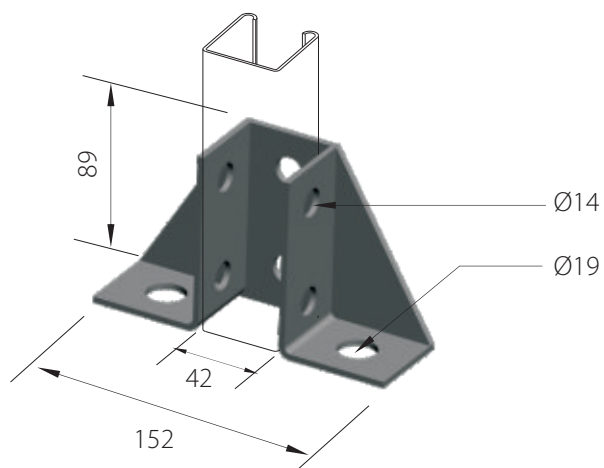
BP 5



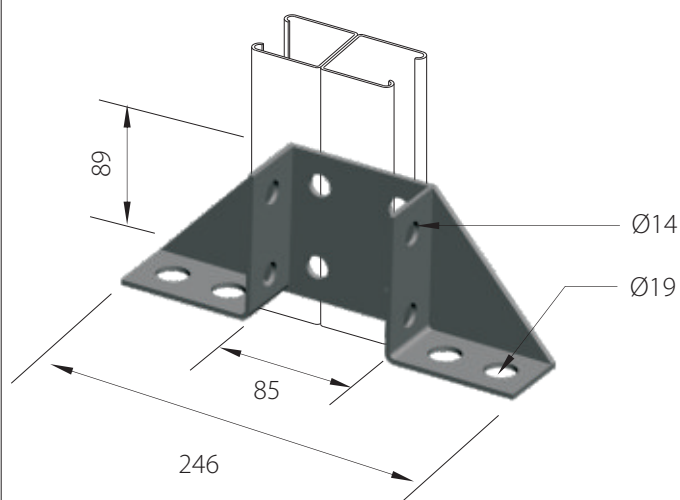
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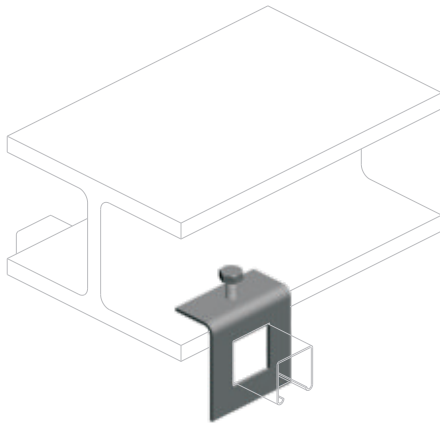
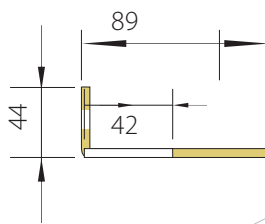
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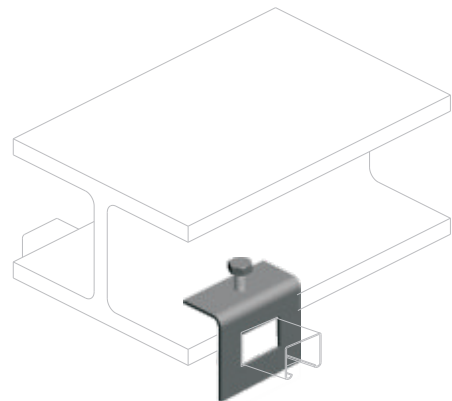
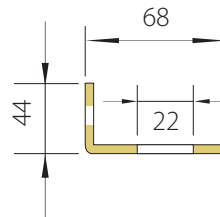
BP 8



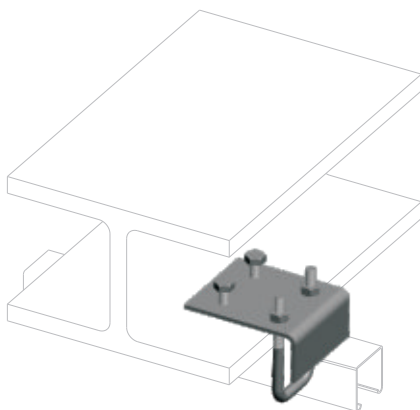
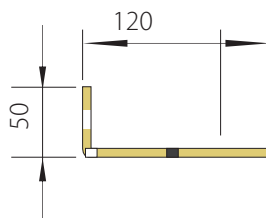
BC 1



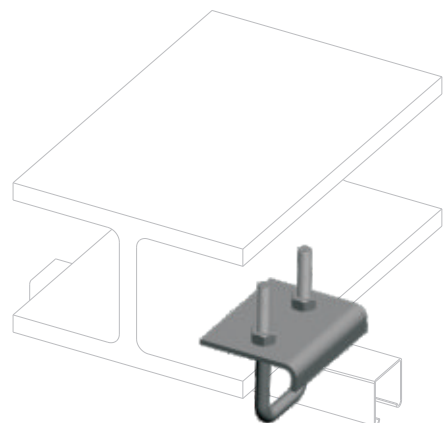
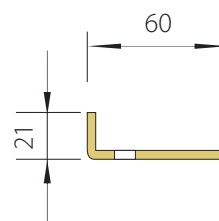
BC 2



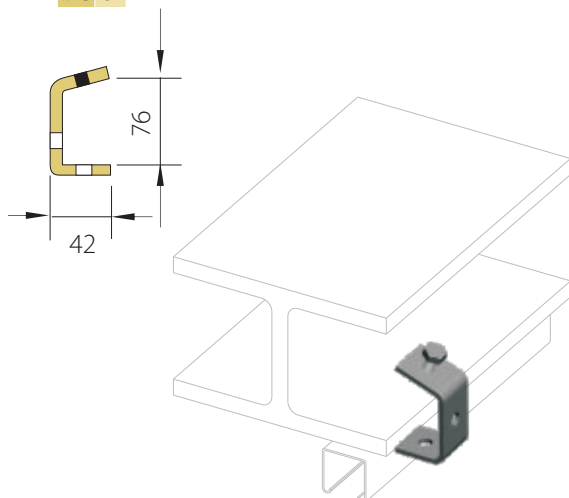
BC 3



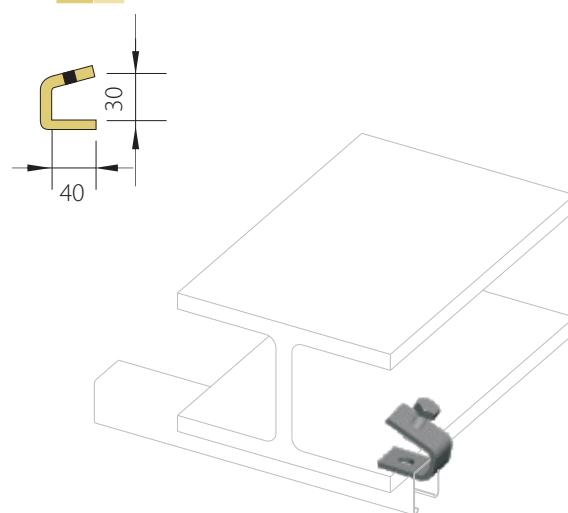
BC 4



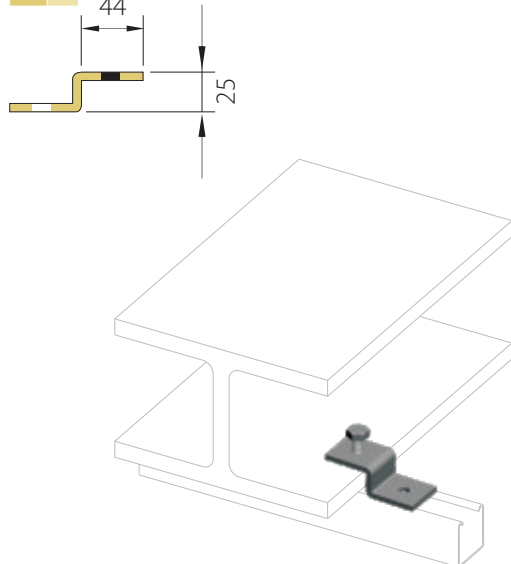
BC 5



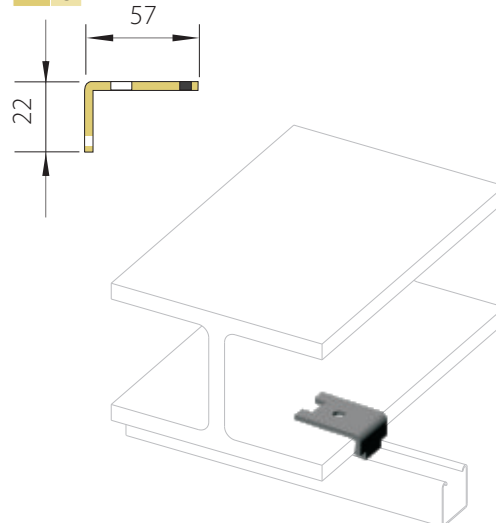
BC 6



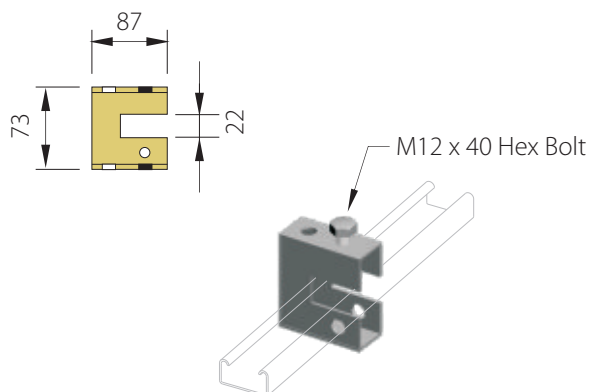
BC 7



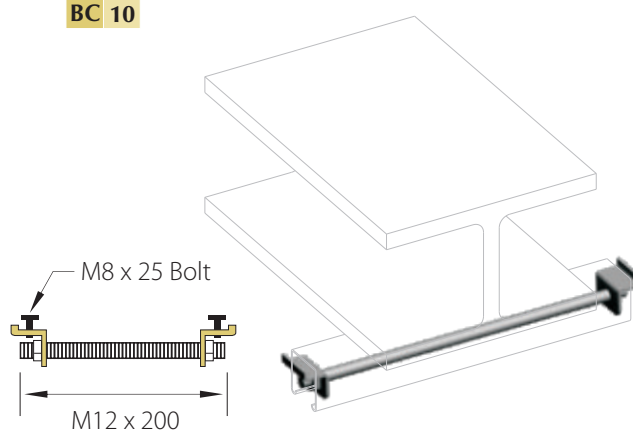
BC 8



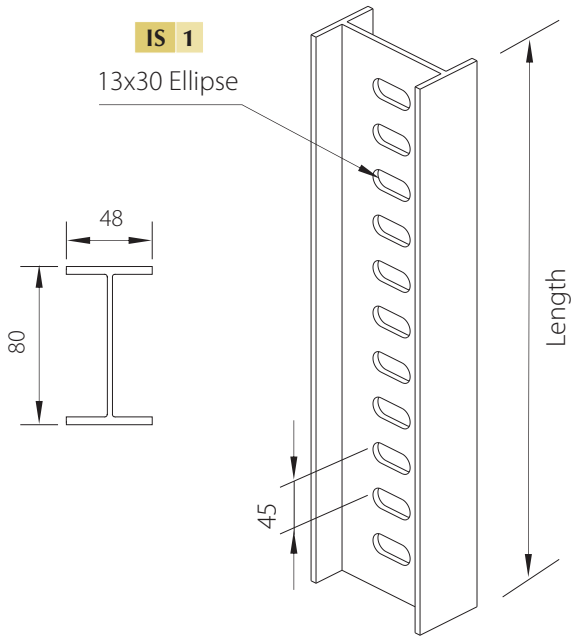
BC 9



BC 10



Support System - I-Support and Head Plates

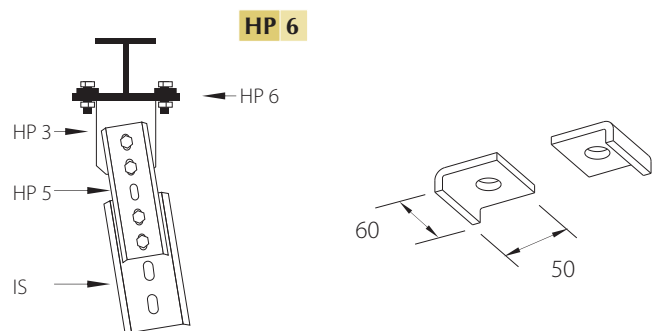
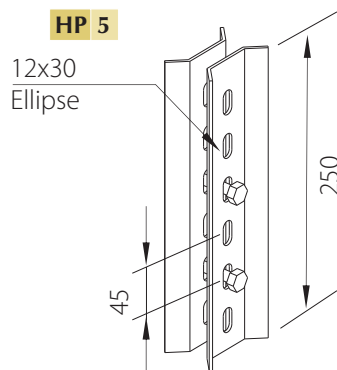
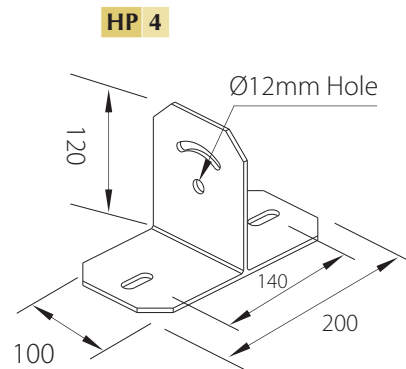
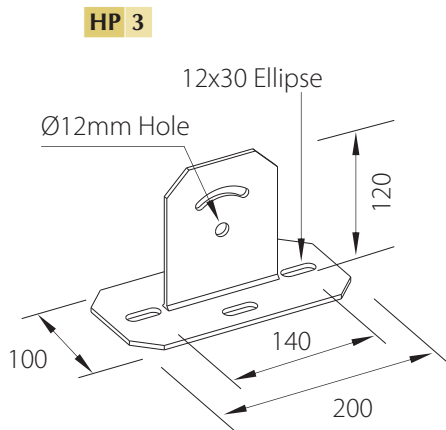
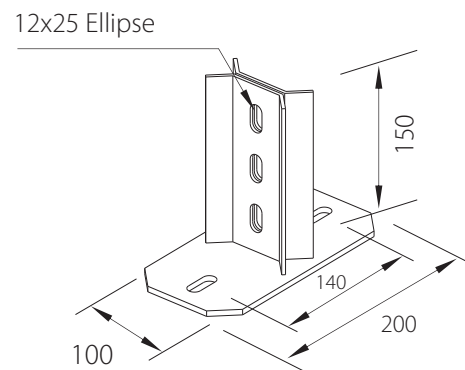
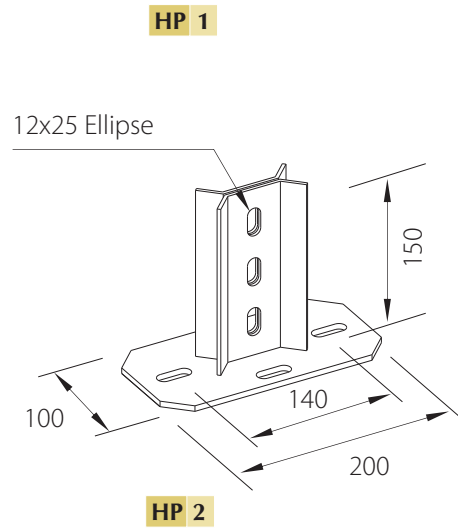


to generate the Ba'amer product code follow this example :

IS: I-Support **Length**

Material: Hot Formed Steel Profile

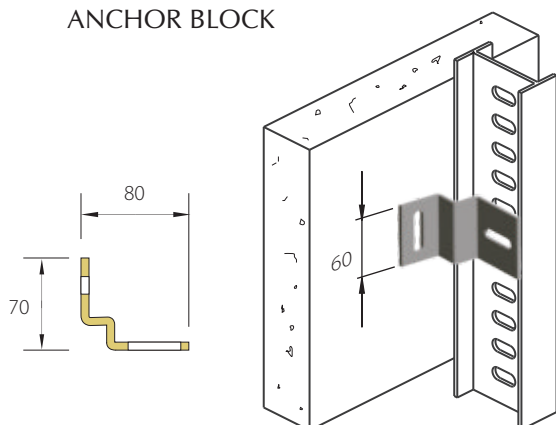
Finishing: Hot Dip Galvanize according to
British Standard EN ISO 1461:1999



2 Sets of M10 x 25 Hexagonal Bolt, Nut and Washer Included

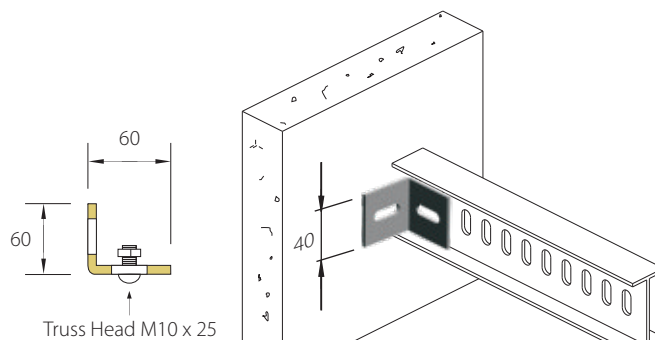
2 Sets of M12 x 50 Hexagonal Bolt, Nut and Washer Included

ANCHOR BLOCK



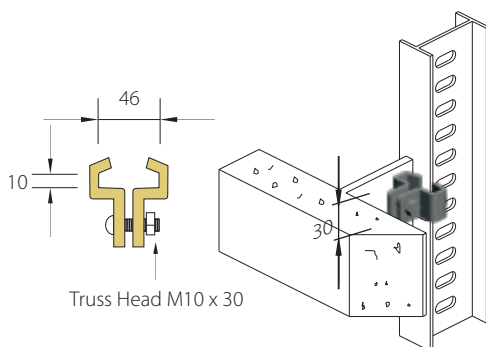
IJ 1

CORNER BLOCK



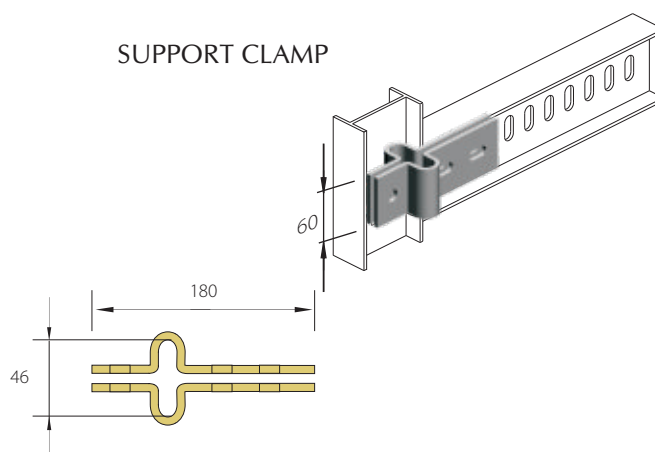
IJ 2

SUPPORT CLAW



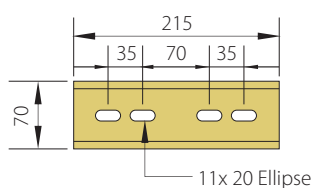
IJ 3

SUPPORT CLAMP



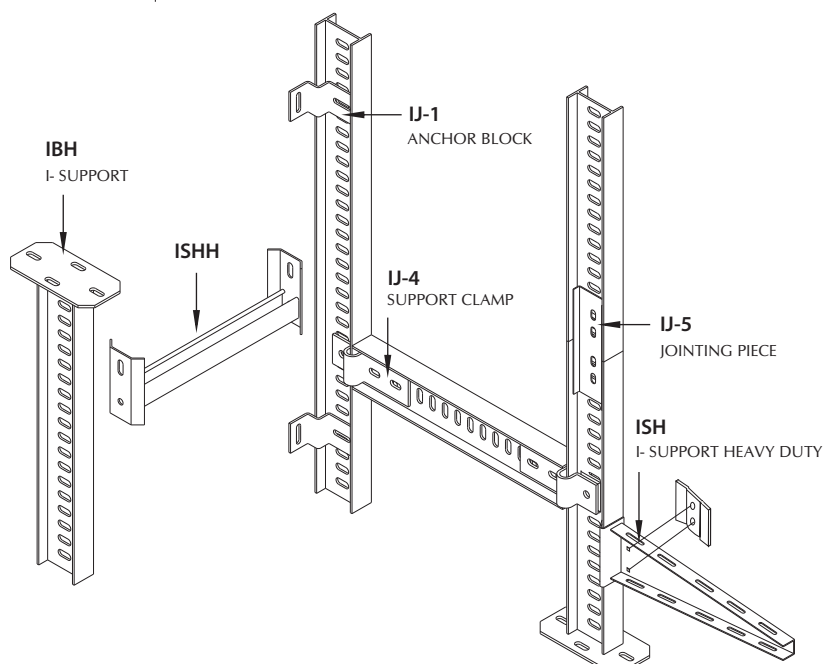
IJ 4

JOINTING PIECE



IJ 5

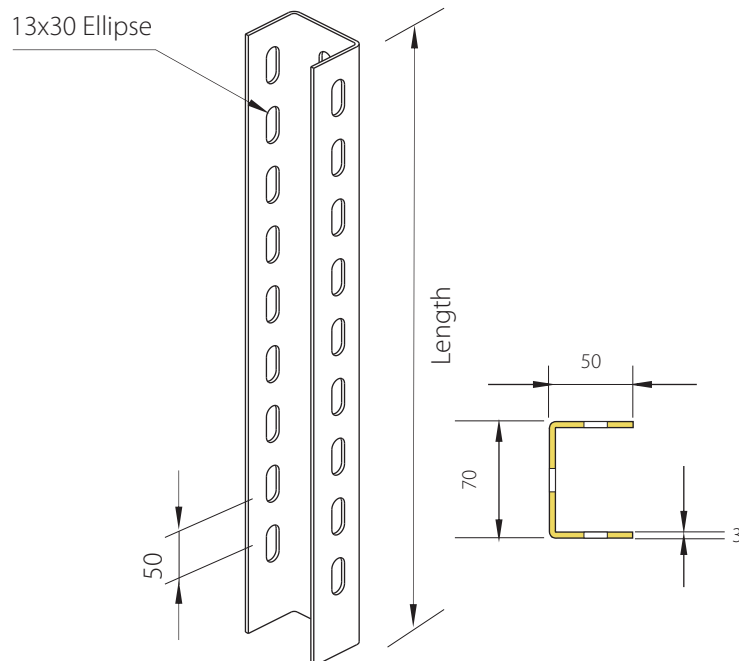
APPLICATION



Support System - U-Support and Brackets



BA'AMER
ELECTRIC



to generate the Ba'amer product code follow this example :

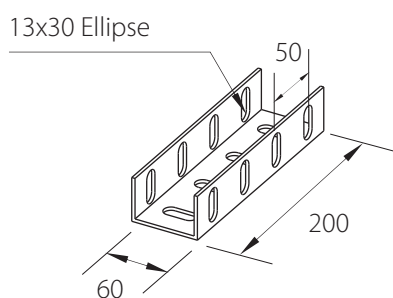
US: U-Support **Length**

U - SUPPORT

Finishing: Hot Dip Galvanize according to
British Standard EN ISO 1461:1999

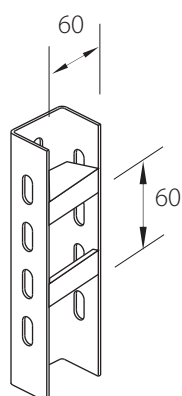
JP 1

JOINTING PIECE

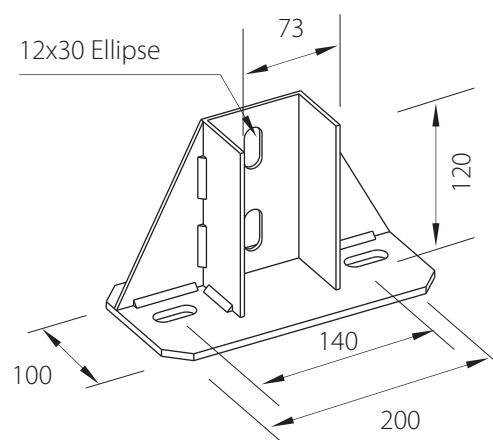


SP 1

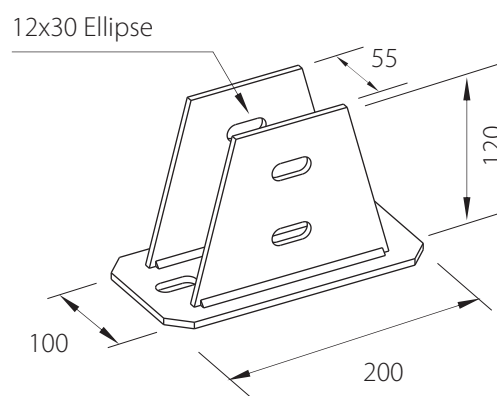
SEPARATOR



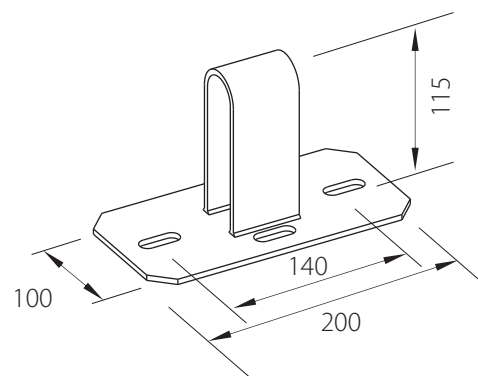
HP S **HEAD PLATE STRAIGHT**



HP I **HEAD PLATE INVERTED**



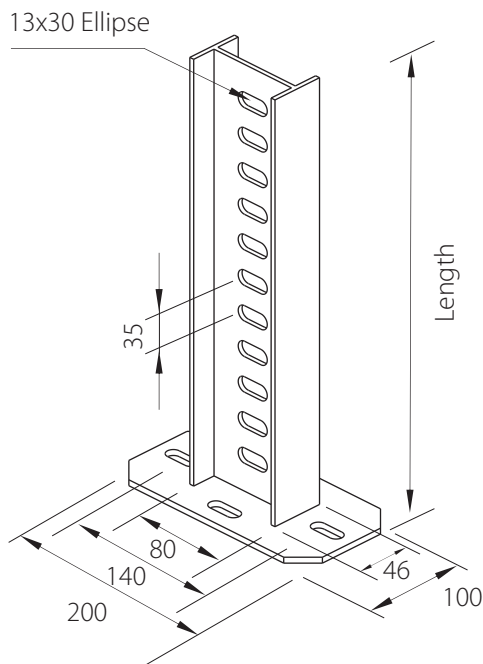
HP C **HEAD PLATE INCLINED**



Support System - I-Beam Hanging Support and Brackets



BA'AMER
ELECTRIC

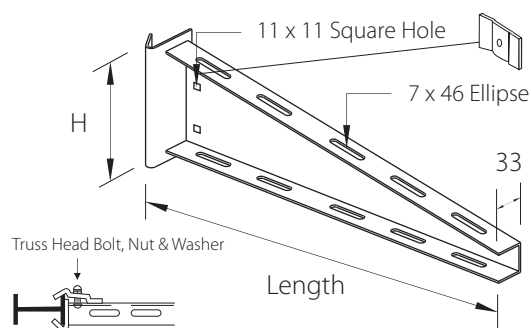


to generate the Ba'amer product code follow this example :

IBHS: I-Beam Hanging Support **Length**

Material: Hot Formed Steel Profile | Base: Steel Plate

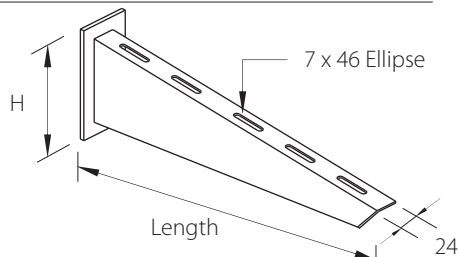
Finishing: Hot Dip Galvanize according to
British Standard EN ISO 1461:1999



to generate the Ba'amer product code follow this example :

ISM: I- Support Medium Duty **Length**

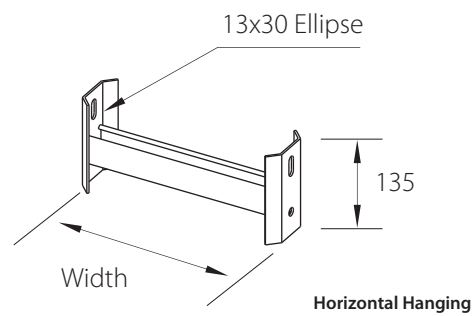
Length (mm)	H (mm)
100 - 410	100
410 - 560	120
560 - 720	130



to generate the Ba'amer product code follow this example :

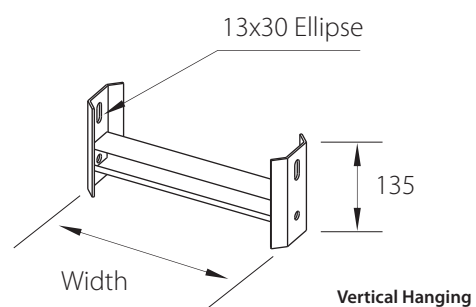
WBM: Wall Bracket Medium Duty **Length**

Length (mm)	H (mm)
100 - 410	100
410 - 560	120
560 - 720	130



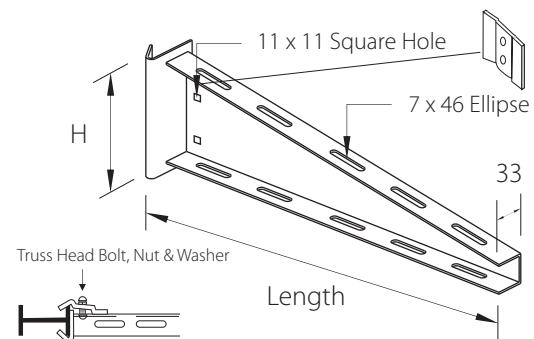
to generate the Ba'amer product code follow this example :

ISHH: **Width**



to generate the Ba'amer product code follow this example :

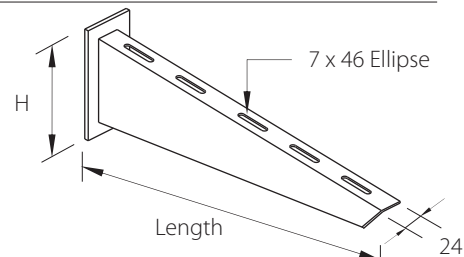
ISHV: **Width**



to generate the Ba'amer product code follow this example :

ISH: I- Support Heavy Duty **Length**

Length (mm)	H (mm)
200 - 400	130
400 - 650	140
650 - 850	150



to generate the Ba'amer product code follow this example :

WBH: Wall Bracket Heavy Duty **Length**

Length (mm)	H (mm)
200 - 400	80
400 - 700	160
700 - 810	210

Round head
machine screw



HW1

Hexagon head
cap screw



HW2

Cone pointed
set screw



HW3

Coupler
nut



HW4

Channel nut
long spring



HW5

Channel nut
short spring



HW6

Channel nut
spring less



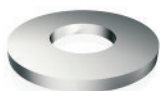
HW7

Standard
hexagonal nut



HW8

Flat steel
washer



HW9

Lock
washer



HW10

Threaded
rod

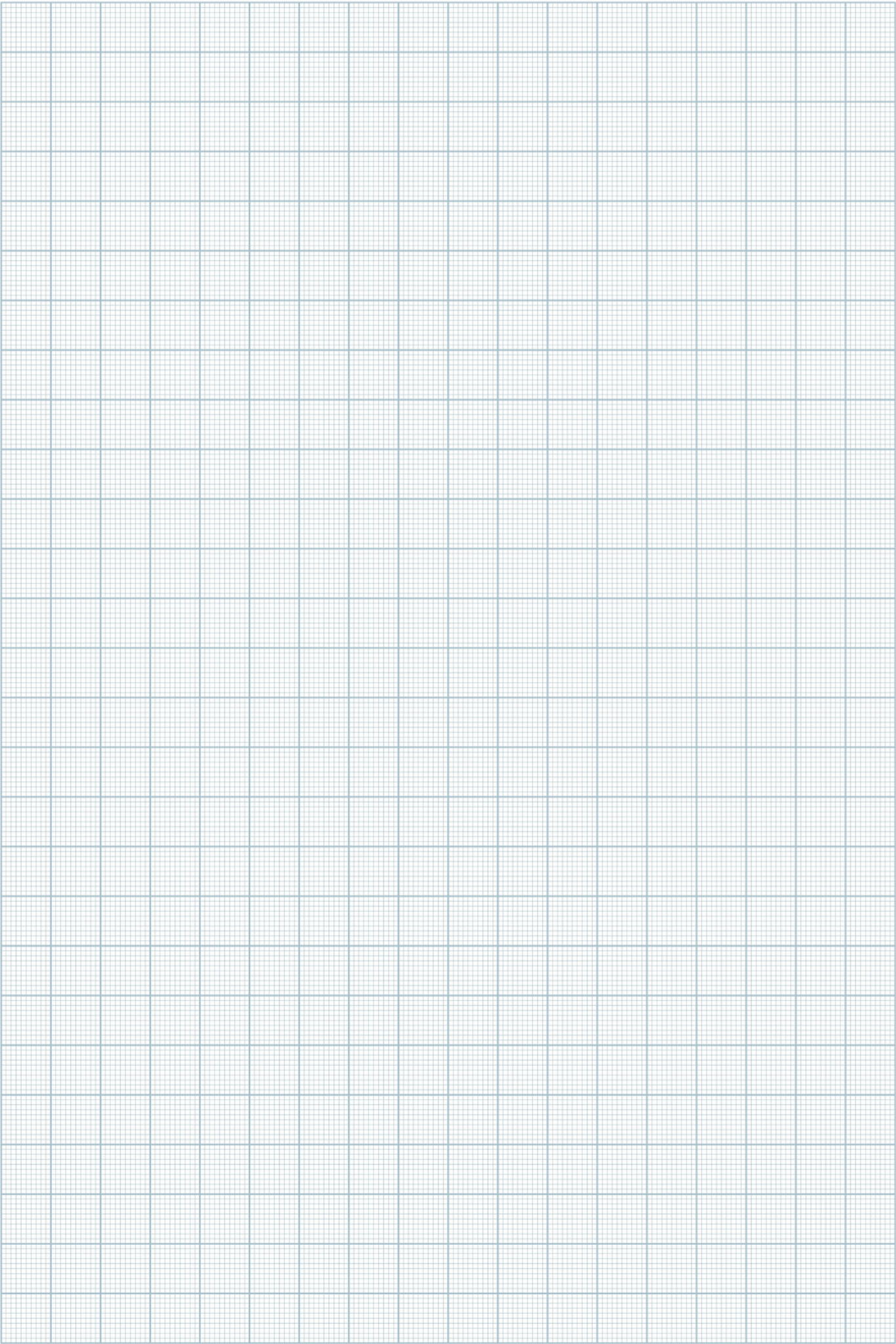


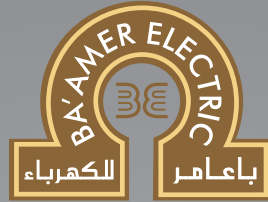
HW11

"U"
Bolt



HW12





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Fax:+966 2 6081777

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Factory 2

Cable Management System

& Hot Dip Galvanizing & Powder Coating:

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Tel: + 966 543626340

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