



ALI BABA STEEL TRADING FZCO

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Jebel Ali



Warehouse



Factory



**CABLE MATE**  
CABLE MANAGEMENT SYSTEMS

**DURAROOF**  
PROFILES & INSULATION

**SteadFast**  
SUPPORT SYSTEMS

**BUILD MATE**  
BUILDING MATERIALS

**STEEL MATE**  
STRUCTURAL SOLUTIONS





**ABST**  
ALI BABA STEEL TRADING FZCO

*If you plan for one year, cultivate corn  
If you plan for ten years, grow trees  
If you plan for a hundred years,  
cultivate relationships*



**“Stay away from negative people. They have a problem for every solution.”**

*- Unknown*

**“Whenever you see a successful business, someone once made a courageous decision.”**

*- Peter F. Drucker*

**“The important thing is to dare to dream big, then take action to make it come true.”**

*- Joe Girard*

**“I never dreamed about success. I worked for it.”**

*- Estée Lauder*

**“The people with the best advice are usually the ones who have been through the most.”**

*- Aye Chongy*

**“Working hard for something we don’t care about is called stress; working hard for something we love is called passion.”**

*- Simon Sinek*



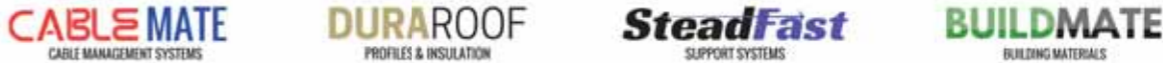


In the closing days of 2006, a group of professionals, with deep experience in the international and domestic market came together to serve the structural steel requirements of the region, determined to succeed in what is essentially an entrenched sector with a very traditional outlook, and some may say, loose mechanism of working.

**STEELMATE**  
STRUCTURAL SOLUTIONS

With strong values of ethical conduct, a focus on systems and procedures, a committed approach to working with a chosen set of customers and partners, the company has succeeded to carve out a space for itself in this very crowded field, remaining profitable over all these years, despite facing huge upheavals in the environment.

By and by, additional product lines have been offered to customers...



**What keeps us going, what keeps us apart...**

With such an opportunities as this brochure, it is tempting to write a glowing tribute to ones own perception of oneself. It is a fantastic chance to write where we want to take ourselves and how we want to change the world. Pausing for a while, we thought it best to reflect on what we have already demonstrated, as an outcome of our core beliefs...

Others corporate presentations and brochures may talk about being a **supplier of choice** - 70 % of our customers in the first year of operations remain with us a decade after we started, our mantra being repeat business !

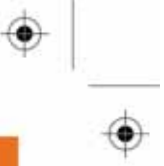
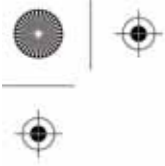
Companies boast about being an **employer of choice** – 80 % of the employees hired in our first year of operations are still with us, indeed they are the backbone of the company now !

The list can go on - suppliers, bankers, service providers. All our counter parties are **long term**, and this is the source of our strength.

Simply put, for all stake holders, **we commit what we can deliver, and we deliver what we commit.**

Come, engage with us, so you can experience a whole new level of **reliability.**





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### VALUE ADDED SERVICES



ODD LENGTH PLATES



MADE TO ORDER WIDTHS



LONG TERM FIXED PRICE CONTRACTS



ASSURANCE ON GALVANISED COATING



GALVANISED STRUCTURALS



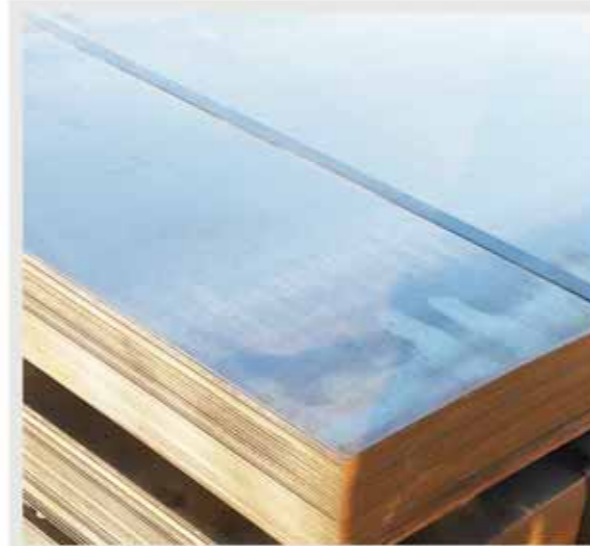




**BEAMS**



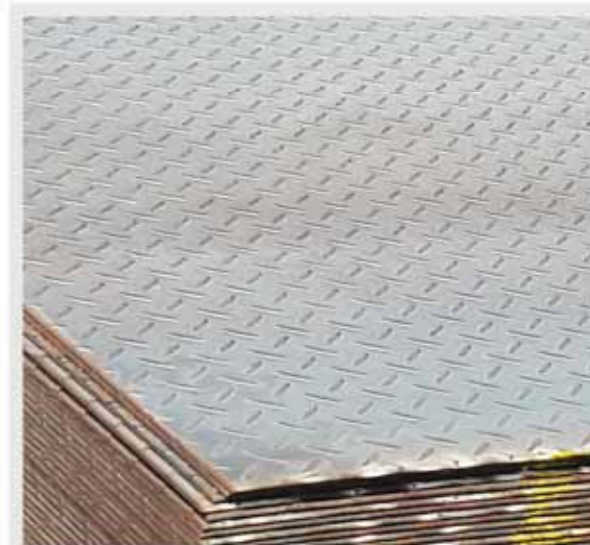
**ANGLES**



**HOT ROLLED SHEETS**



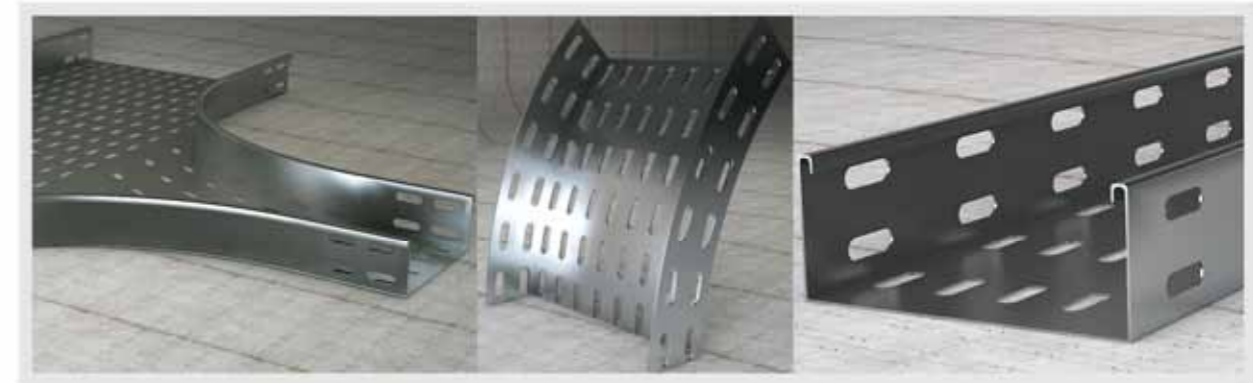
**HOT ROLLED PLATES**



**HOT ROLLED CHEQUERED**

**CABLE MATE** range of products include cable trays, cable trunkings, cable ladder with all fittings and accessories. Our Products are manufactured as per international standards and manufactured in Mill Galvanized mild steel, Hot Dip Galvanised mild steel, Aluminium, PVC coated and SS finishes.

Cable trays, trunking and ladders are supplied in standard lengths of 2.44 & 3.00 Meters



**Cable Trays**

**Types**

Plain Flange Type, Inside Return Flange, Outside Return Flange, "C"- Profile Flange.

**Specifications**

Width: 50/100/150/200/225/250/300/400/450/500/600 UPTO 1000 mm

Height: 25/50/75/100/150 mm

Thickness: 1.0/1.2/1.5/2/2.5 mm

**Fittings**

Horizontal Bend (90° & 45°), 90° Inside & Outside Riser, Straight Reducer, Right Hand Reducer, Left Hand Reducer, Horizontal Cross, Horizontal TEE, Unequal Cross & TEE.

**Accessories**

Standard Connectors, Vertical & Horizontal Adjustable Connectors, Hold Down Clamp, Fish Plate, Side Cover Connector, Neck Screw, Right Angle Connector, Bonding Jumper

**Cover Type**

Plain Cover, Flanged Plain Cover, Louvered Cover & Flanged Louvered Cover (Thickness 1.0/1.2/1.5/2/2.5 mm)





**Cable Ladder**

**Types**

Cable Ladders Fabricated with Outside & Inside flange

**Specifications**

Width: 100/150/200/225/250/300/400 UPTO 1000 mm  
Height: 60/80/90/100/120/150/180/200  
Thickness: 1/1.2/1.5/2 /2.5 mm  
Rung type: Slotted C Section / Pipe Rung  
Rung spacing: 150/250/300/350

**Fittings**

Horizontal Cross, Horizontal Bend (30°,45°,60° & 90°), Horizontal TEE, Vertical TEE,90° Internal & External Riser, Left Hand Reducer, Right Hand Reducer, Adjustable Bend etc.

**Accessories**

Standard Connectors, Adjustable / Expansion Connectors, Vertical & Horizontal Adjustable Connectors, Hold Down Clamp, Guide Clamp, Bonding Jumper

**Cover Type**

Plain Cover, Flanged Plain Cover, Ventilates Cover & Flanged Ventilated Cover (Thickness 1/1.2/1.5/2/2.5 mm).

**Cable Trunking**

**Types**

Cable Trunkings Fabricated with Screwed & Turn Buckle Cover

**Specifications**

Compartments: One, Two, Three  
Width: 50/75/100/150/200/225/250/300/400/500 /600 mm  
Height: 25/40/50/60/65/75/100/150/200/225 /250/300  
Thickness: 1/1.2/1.5/2/2.5 mm

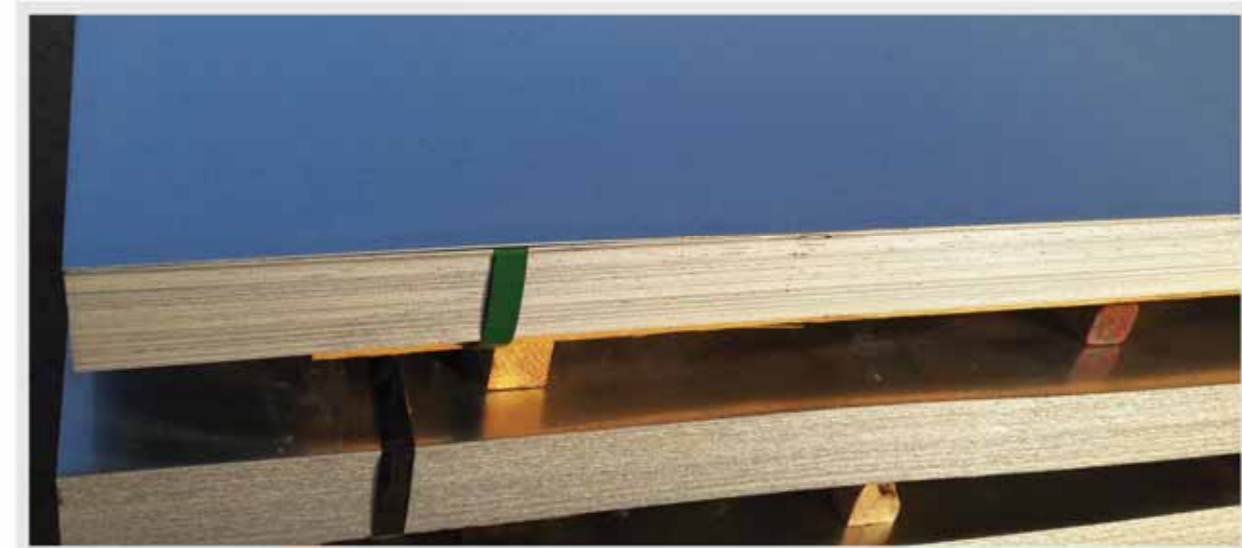
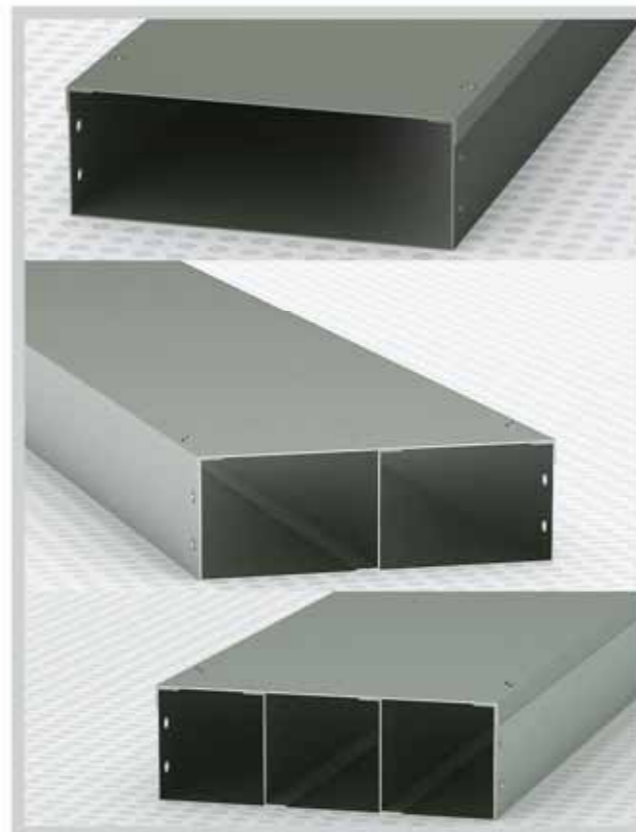
**Fittings**

Elbow 90 Deg. / 45 Deg./Outside & Inside Risers, Horizontal T, Inside and Outside Vertical T, Horizontal Cross, Reducer, Offset Horizontal/ Vertical

**Accessories**

Spice plate, Angle Connector, L connector, U Connector, Wall Connector, End Cap, Suspension Hanger, Earth Link

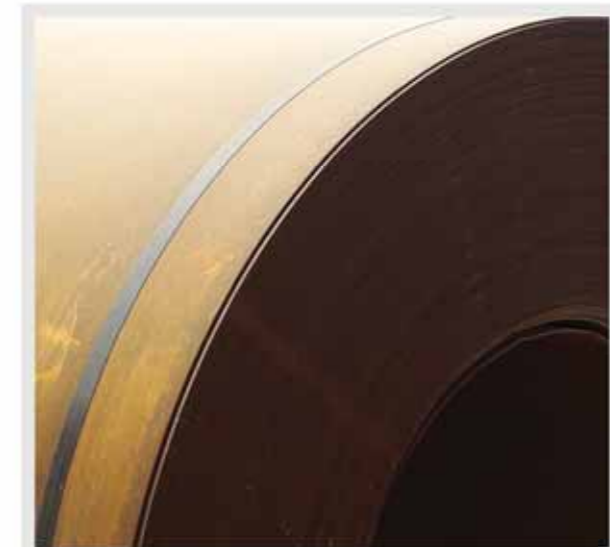
*Brackets and Hardware available on request.*



**GALVANISED (GI) STEEL**



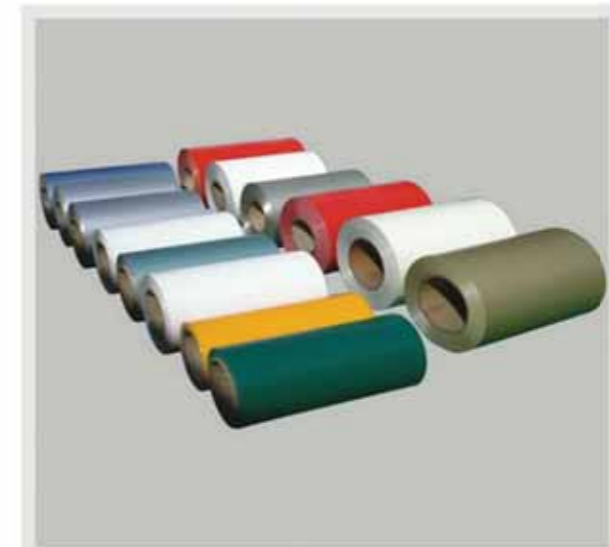
**COLD ROLLED COILS**



**HOT ROLLED COILS**



**GALVANISED PIPES**

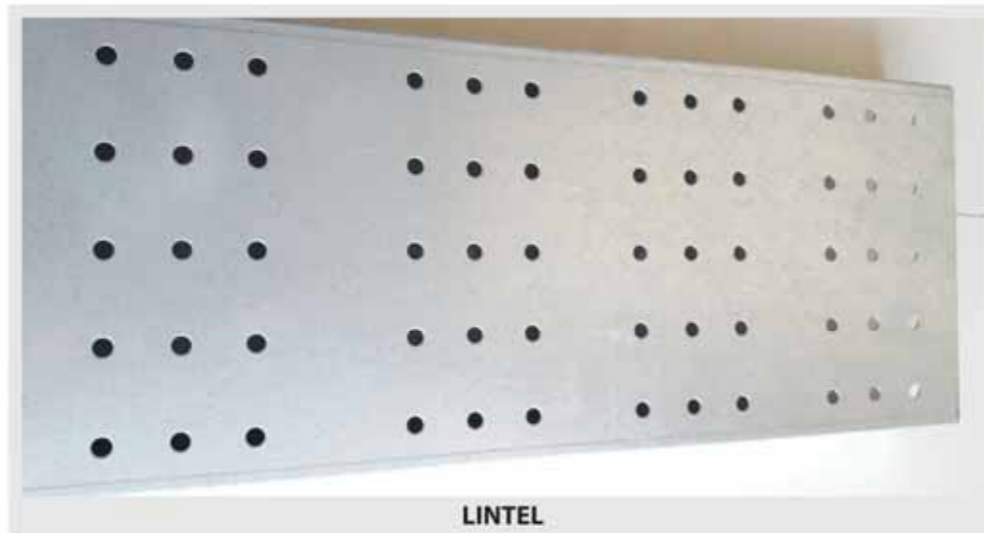


**PREPAINTED GI AND ALUMINIUM**





DRY WALL PARTITION SYSTEM



LINTEL



GI WALL TIE



ANGLE BEAD



EXPANDED MESH



**Profiled Single Skin Sheets**

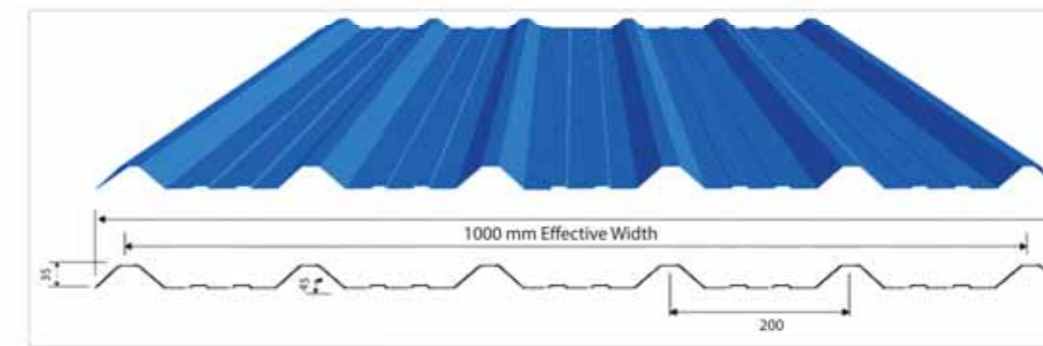
DURAROOF profile sheets offer architects and designers a range of choices for roof and wall claddings such as internal and external cladding for industrial and commercial buildings. Profile Cladding provides an attractive appearance and can also be curved to give additional design flexibility at the eaves and ridge. The advantages of Profiles Sheets are:

- Inexpensive
- Made to site measurement, eliminating wastage and installation problems
- Requires minimum labour for execution
- Rapid Execution
- Modifications or Extensions can be done anytime

**35/200 Profile Sheets**

35/200 trapezoidal profile is characterised by its corrugated depth of 35mm, pitch of 200 mm and its covered width of 1000 mm.

- Material** : Galvanized Steel (ASTM A 653)/ Aluminium (BS 3105)
- Finish** : Polyester coated on top with 20 micro & 5- 8 micron primer on reverse
- Thickness** : 0.30 mm to 0.70 mm
- Length** : 300 mm to 12,000 mm
- Width** : 1000 mm effective width
- Colours** : Off White, Beige, Blue, Green, Orange  
(Non Standard colours available on request)



Profile Sheet with measurements

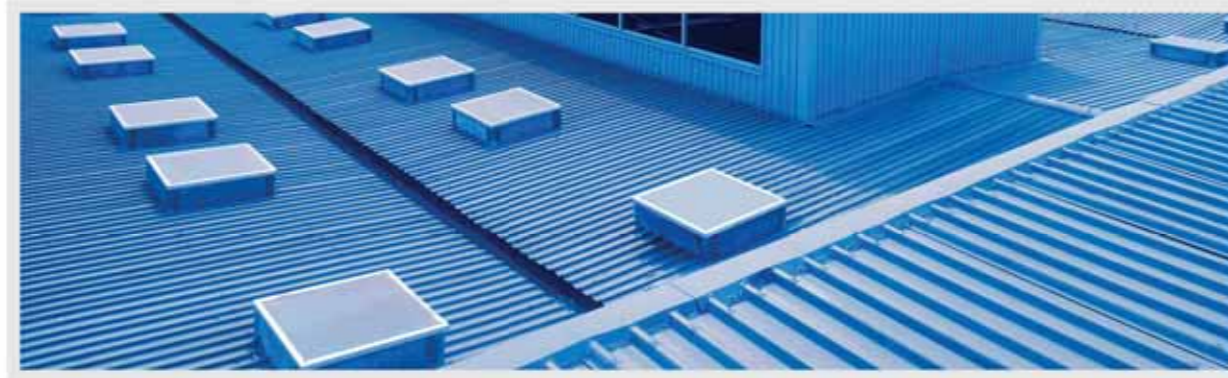


Ridge Capping



Curved Sheet





**Profiled Composite Panels**

DURAROOF sandwich panels comes in PUR insulation internal and external sheets of Aluminium and GI of different thickness, coating and colours.

**Materials**

Galvanized Steel (ASTM A 653)/ Aluminium (BS 3105)

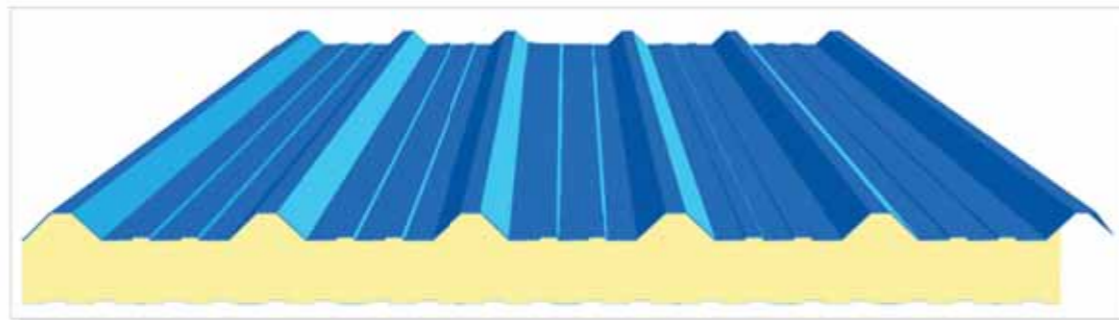
**General Features**

Mechanical Characteristics of the foam at overall Density of 40 (+/- 2 Kg/M3)

- Tensile Strength : 150-250 Kpa
- Compression Strength : 150-250 Kpa
- Shear Strength : 100-240 Kpa
- Fire Property : B3 as per DIN 4102 (B2 upon request)

**Insulation Capacity**

- K Value (thermal conductivity of PU) : 0.019 W/ml
- Tolerance: +/- : 0.002
- Water Absorption of the foam after 24 hours : 1 % of the volume
- Closed Cell : 93 %
- Advisable Length : 3 meters – 12 meters



Sandwich Panel



PVC CONDUIT



PLYWOOD



SCAFFOLDING CLAMP



WATER STOPPER



SWIVEL COUPLER





ALUMINIUM LADDER



PVC REBAR END CAP



HESSIAN CLOTH



TIE ROD PLATE



POLYTHENE SHEET



WING NUT



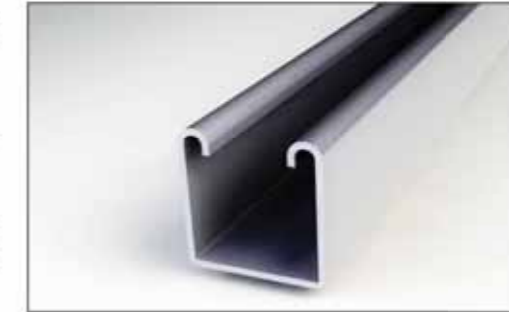
TIE ROD

**STRUT CHANNEL**

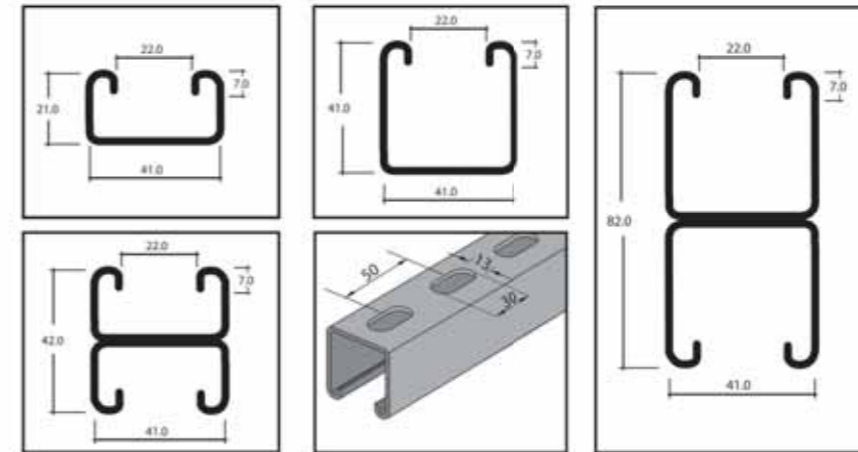
**Channel:** ABST's metal framing channel is cold formed on modern rolling machines from low carbon steel manufactured according to BS 6946:1988. A continuous slot provides the ability to make attachments at any point.

**Lengths:** Standard length: 3000mm with  $\pm 3.2$ mm length tolerance. Custom lengths are available upon request.

**Finishes:** Standard Finishes: Pre-Galvanized finish (ASTM A653M coating G90 and G60). Hot Dip Galvanized after fabrication (ASTM A123 or BS EN ISO1461:2009). Other custom coatings are available upon request.



**METAL FRAMING CHANNELS**



Selection Chart

Channel Dimensions		Thickness
Height "H"	Width "W"	
21.0 mm	41.0 mm	1.5 mm
41.0 mm	41.0 mm	1.5 mm
21.0 mm	41.0 mm	2.0 mm
41.0 mm	41.0 mm	2.0 mm
21.0 mm	41.0 mm	2.5 mm
41.0 mm	41.0 mm	2.5 mm

**CHANNEL HOLE PATTERNS**



Plain Channel

Part No	Thick. mm.	Height "H"
SCH-120	1.5	21.0
SCH-140	1.5	41.0
SCH-220	2.0	21.0
SCH-240	2.0	41.0
SCH-320	2.5	21.0
SCH-340	2.5	41.0



Slotted Channel

Part No	Thick. mm.	Height "H"
SCH-121	1.5	21.0
SCH-141	1.5	41.0
SCH-221	2.0	21.0
SCH-241	2.0	41.0
SCH-321	2.5	21.0
SCH-341	2.5	41.0

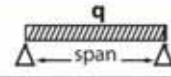


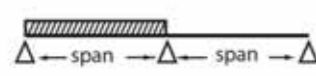



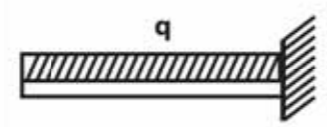
B2B Channel

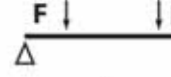

Part No	Thick. mm.	Height "H"
SCH-122	1.5	42.0
SCH-142	1.5	82.0
SCH-222	2.0	42.0
SCH-242	2.0	82.0
SCH-322	2.5	42.0
SCH-342	2.5	82.0

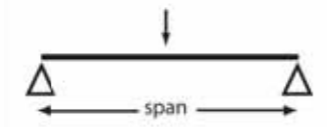


STRUT CHANNEL TECHNICAL DATA

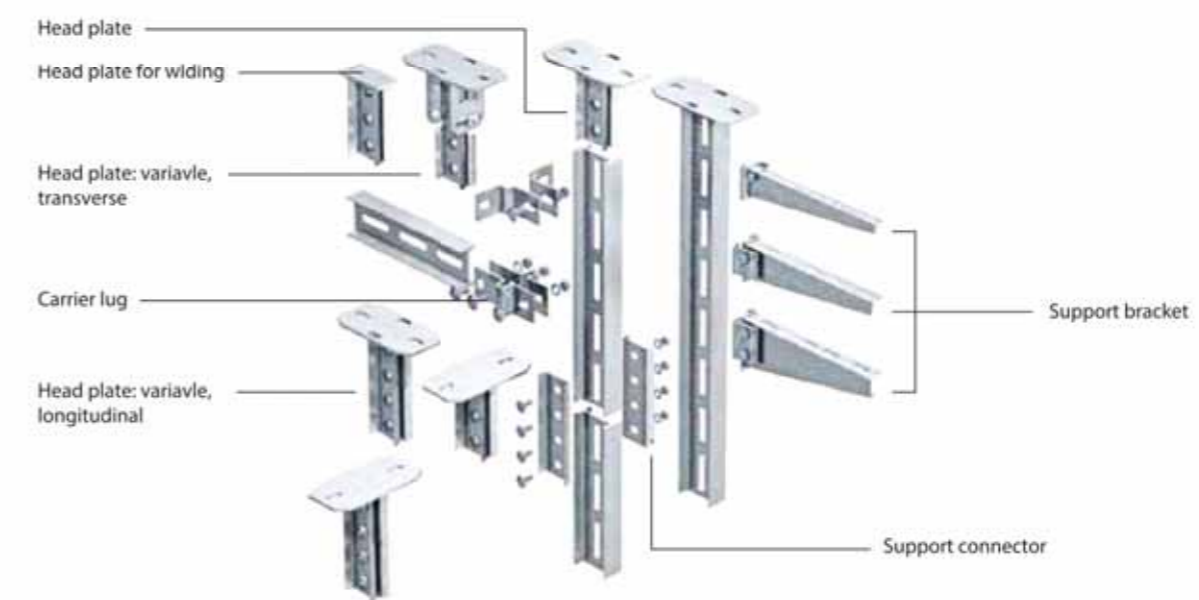
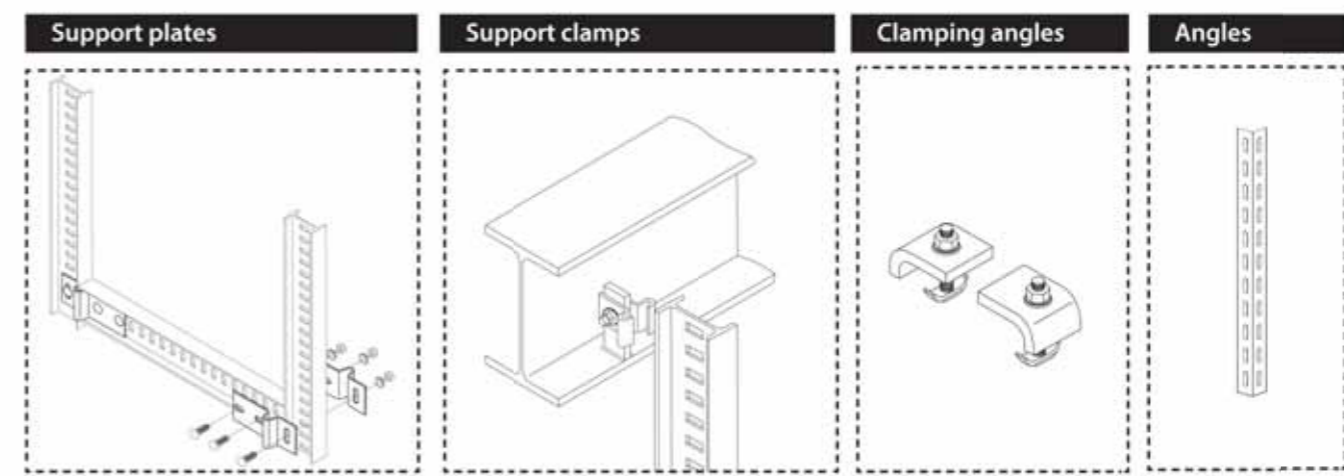
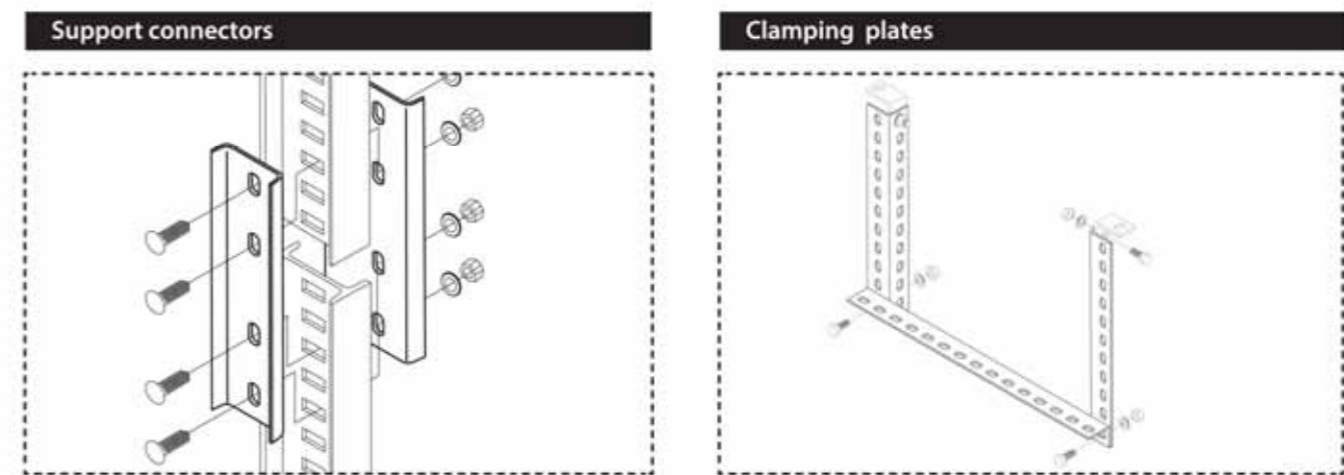
Load and Support Condition	Load Factor	Deflection Factor
 Simple Beam - Uniform Load <b>q</b>	1.00	1.00
 Beam Fixed at Both Ends - Uniform Load	1.50	0.30
 Cantilever Beam - Uniform Load	0.25	2.40
 Continuous Beam - Two Equal Spans - Uniform Load on One Span	1.30	0.92
 Continuous Beam - Two Equal Spans - Concentrated Load on Both Spans	1.00	0.42

EXAMPLE	Problem	Item	Solution
	Calculate the maximum allowable load and corresponding deflection of a cantilever SCH beam with a uniformly distributed load		From beam load chart for SCH, maximum allowable load is <b>q</b> and the corresponding deflection is <b>u</b> . Multiplying by the appropriate factors shown in the chart above. LOAD = <b>q</b> x load factor DEFLECTION = <b>u</b> x deflection factor

Load and Support Condition	Load Factor	Deflection Factor
 Simple Beam - Concentrated Load at Center <b>F</b>	1.00	0.80
 Simple Beam - Two Equal Concentrated Loads at 1/4 Points	2 x 1.00	1.10
 Beam Fixed at Both Ends - Concentrated Load at Center	2.00	0.40
 Cantilever Beam - Uniform Load	0.24	3.20
 Continuous Beam - Two Equal Spans - Concentrated Load at Center of One Span	1.42	0.80
 Continuous Beam - Two Equal Spans - Concentrated Load at Center of Both Spans	2 x 1.34	0.50

EXAMPLE	Problem	Item	Solution
	Calculate the maximum allowable load and corresponding deflection of a simply supported SCH beam with a concentrated load at midspan as shown		From beam load chart for SCH, maximum allowable load is <b>F</b> and the corresponding deflection is <b>u</b> . Multiplying by the appropriate factors shown in the chart above. LOAD = <b>F</b> x load factor DEFLECTION = <b>u</b> x deflection factor

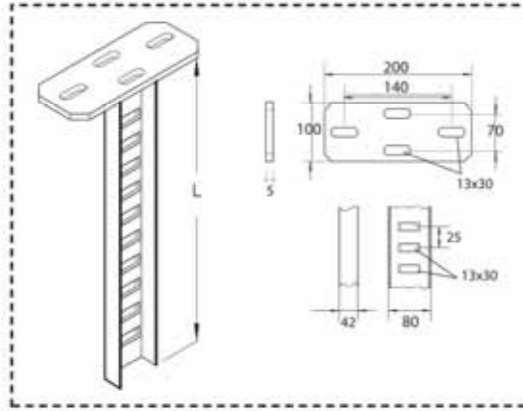
SUPPORT SYSTEM



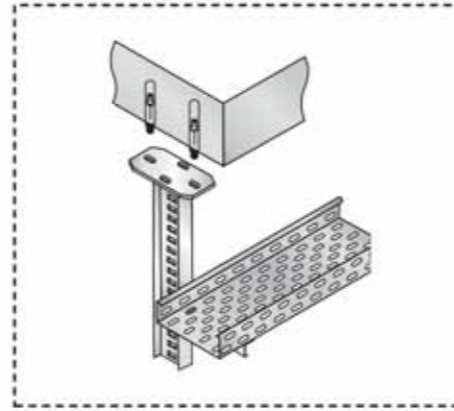


**SUPPORT SYSTEM**

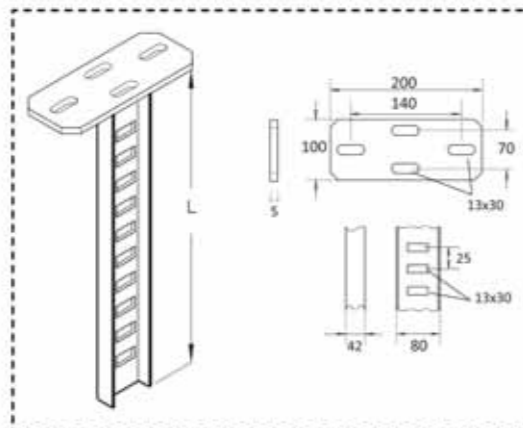
**U - Support**



U-Support with welded-on head plate  
200 x 100 x 5mm

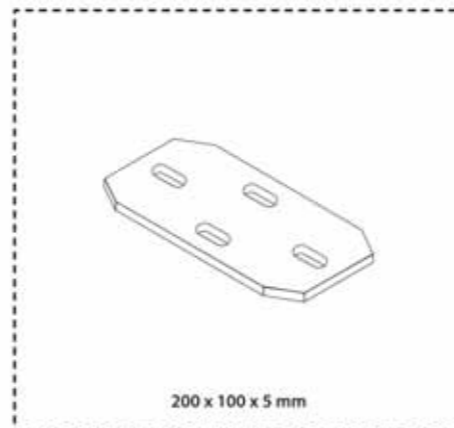


**I - Support**



I-Support with welded-on head plate  
200 x 100 x 5mm

**Head Plate**



200 x 100 x 5 mm

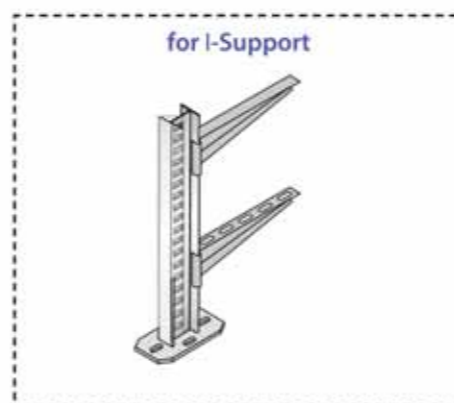
**Wall Bracket**

**for U-Support**



5 mm thickness

**for I-Support**



**FRAMING SYSTEM ACCESSORY**

Threaded Rods, Hexagon Head Bolts, Hexagon Nuts, Washers

**FULLY THREADED RODS GRADE 4.6 DIN 975**

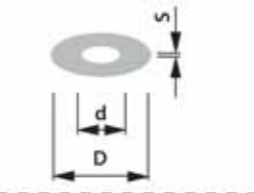
Zinc Plated Thread	Length (mm)	Load cap. (KN)
M6	2000/3000	2.2
M8	2000/3000	4.0
M10	2000/3000	6.4
M12	2000/3000	12.9
M16	2000/3000	17.3

Threaded Rod (STR)  
DIN 975

**ROUND WASHERS DIN 125**

Zinc Plated for bolt	Stainless Steel for bolt	D (mm)	d (mm)	s (mm)
M6	M6	12	6.4	1.6
M8	M8	16	8.4	1.6
M10	M10	21	10.5	2
M12	M12	24	13	2.5
M16	M16	30	17	3

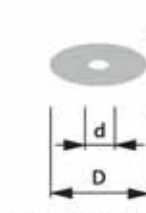
Washers DIN 125



**ROUND WASHERS DIN 440, DIN 9021**

DIN	Zinc Plated for bolt	Stainless Steel for bolt	D (mm)	d (mm)	s (mm)
440	M6	-	22	6.6	2
9021	M8	M8	24	8.4	2
9021	M10	M10	30	10.5	2.5
440	M12	-	45	13.5	4
9021	M12	M12	37	13	3
9021	M16	M16	50	17	3

Washers DIN 440, DIN 9021



**SQUARE WASHERS SSW**

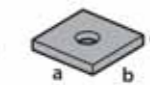
H.D. Galvanized for Bolt	Stainless Steel for Bolt	a x b x d (mm)
M10	M10	40 x 40 x 5
M12	M12	40 x 40 x 5
M16	M16	40 x 40 x 5
M6	M6	40 x 40 x 6
M10	M10	40 x 40 x 6
M11	M11	40 x 40 x 6

Square Washers

40/40 for all channels  
41/21 Series



41/41 for all channels  
41/41 Series





**CHANNEL NUTS**



**Nut without Spring**



**Nut with Short Spring**

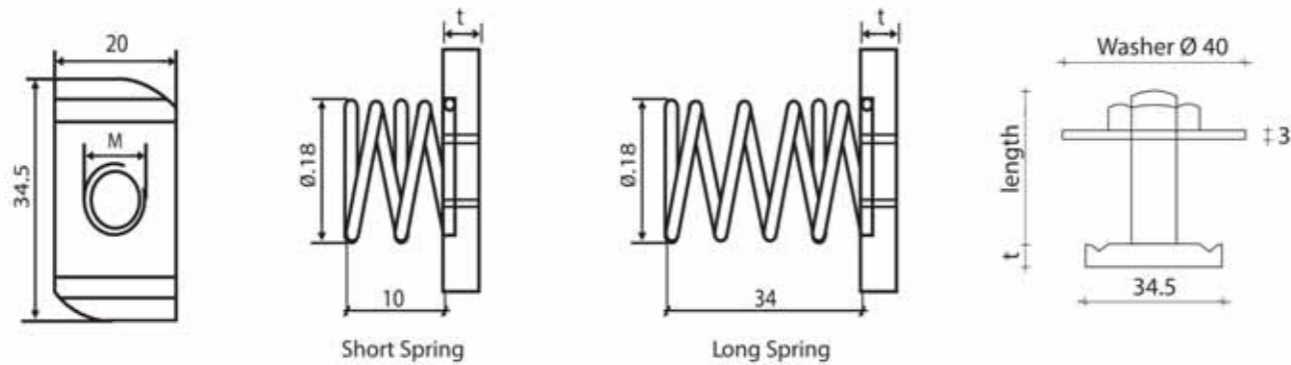


**Nut with Long Spring**



**Hammer Head Bolt**

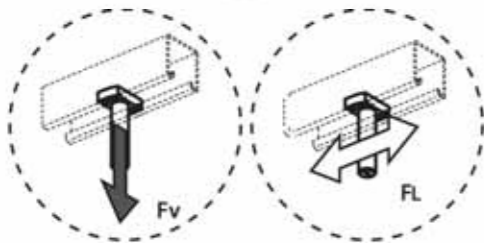
Material: Zinc plated steel and stainless steel 304 (A2),316 (A4).  
Tolerance: Metric thread 6 H acc. DIN 13-20.



Available length: L 30mm, 40mm, 50mm, 60mm.  
Material: Zinc plated.

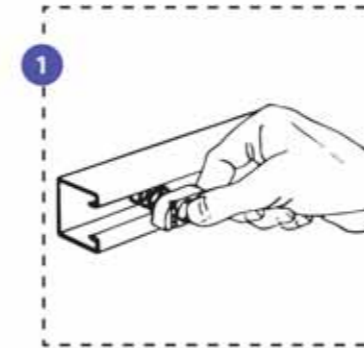
Thread Size	Thickness t (mm)	Longitudinal Force FL (kN)	Pull out Force Fv (kN)	Tightening Torque (Nm)
M6	5.0	1.0	5.0	12.0
M8	6.0	2.4	6.0	28.0
M10	8.0	3.5	7.0	55.0
M12	10.0	5.0	9.0	75.0

Thread Size	Pull out Force Fv (kN)	Longitudinal Force FL (kN)	Tightening Torque (Nm)
M6	5.0	0.3	6.5
M8	6.0	0.6	16.0
M10	7.0	1.2	31.5
M12	7.0	1.7	50.0

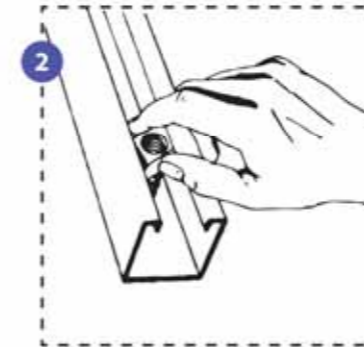


**CHANNEL NUTS – INSTALLATION & FEATURES**

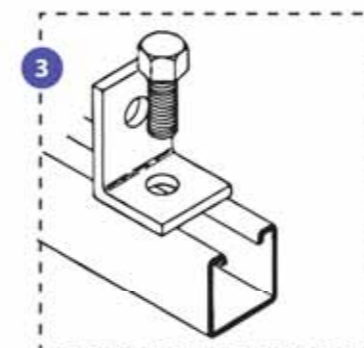
No Welding , No Drilling , No Special Tools, Strong, Fast, Economical and Adjustable.



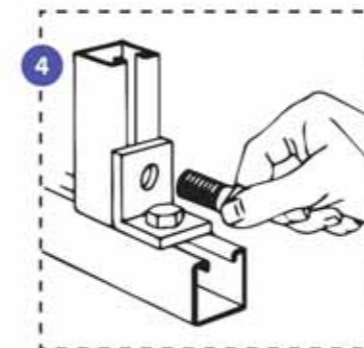
1 Insert the spring nut anywhere along the continuous slotted channel. The rounded nut ends permit easy insertion.



2 A 90° clockwise turn aligns the grooves in the nut with the inturned edges of the channel. The need for drilling holes is eliminated.



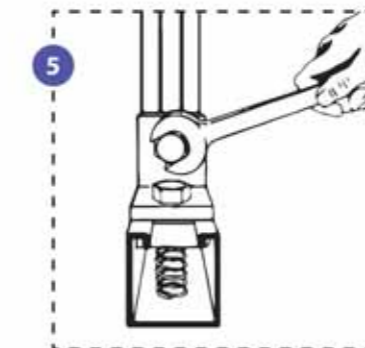
3 Insert the bolt through the fitting and into the springnut. (See illustration 5 for end view showing the nut in place)



4 Additional channel sections can now be bolted to the fitting already in place by following procedure described in steps 1-3.



- Hex-head bolt connects fitting to channel as it is threaded into spring nut.
- Chamfer in the nut eases starting of the bolt. Nut teeth make a strong, vise-like grip when tightened against the inturned channel edges.
- Channel edges and the nut's tapered grooves act as guides to provide foolproof alignment of connection.
- Nut teeth grip the channel's inturned edges, tying the channel sides together in a "box" configuration for added strength.
- Spring allows precision placement anywhere along channel length, then holds the nut in position while the connection is completed.



5 Tightening with a wrench locks the serrated teeth of the nut into the inturned edges of the channel, to complete a strong, vise-like connection.