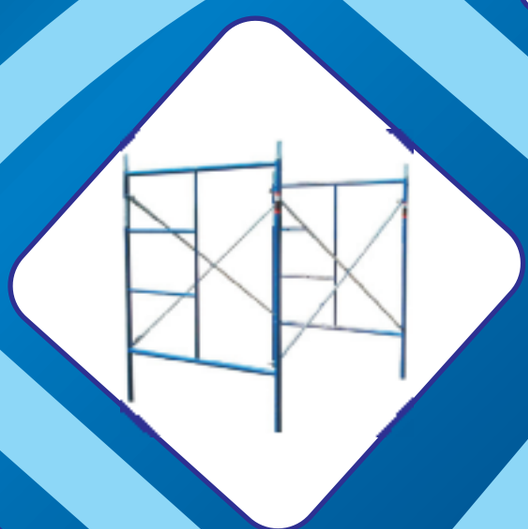
PRIME

Think Beyond The Sky



STEEL SCAFFOLDING, SHUTTERING & FORMWORK SYSTEMS

About Us :

Prime Steeltech (I) Pvt. Ltd. is a professionally managed company based in Mumbai, promoted by self employed technocrats that are engaged in design and supply of entire range of Steel Scaffolding, Shuttering and Formwork systems, components and accessories using indigenous technology and expertise.

We offer complete solution to areas of concern such as design, supply, hire and erection for all types of scaffolding applications to various civil structures such as Nuclear Power projects, bridges, flyovers, multistoried Commercial and Residential buildings, refinery projects, Cement plants, Power plants, Boilers etc.

Under the leadership of our Founder Director, Mr. Dharmesh Bhatt, along with the endless support of Executive Directors, Mr. Sachin Dhumal and Mr. Jayraj Bhatt, the company has managed to be among the renowned names in the domain of scaffolding suppliers. Their sharp business acumen, ethical practices and skill have enabled the company to achieve a respectable position in the construction industry.

Our workshops are situated in Mumbai and Kolkata, and warehouses in Pune, Hyderabad and Visakhapatnam in order to facilitate a seamless and timely supply to our esteemed clients countrywide.

Our unbeatable prices would allow you to get an edge from other scaffolding suppliers across the nation. Our experience in Quality & Delivery cycle would give you the confidence in us, as your preferred Scaffolding supplier. Customer satisfaction is our motto and an ultimate key to our success.

Jayraj Bhatt
Director
Business Development
Mob: 09324560020
jayraj@primesteeltech.co.in

Dharmesh Bhatt
Founder Director
Mob: 09322321421
dharmesh@primesteeltech.co.in

Sachin Dhumal
Director
Sales & Tech Support
Mob: 09325021380
sachin@primesteeltech.co.in

TELESCOPIC STEEL PROPS

Telescopic Steel Props can be used on all types of building construction or for any type of use where an adjustable vertical load bearing member is required. They are most ideal and economical supporting device for all kinds of formwork to Slabs, Beams, Walls and Columns.

U-Head

Beam Head

Sizes	Length of members: Outer in Mtrs.	Length of members: Inner in Mtrs.	Height adjustment: Closed in Mtrs.	Height adjustment: Extended in Mtrs.	Self Weight in Kgs.
PSP-1	1.00	1.00	1.10	1.75	10.40
PSP-2	1.50	1.50	1.50	2.75	14.20
PSP-3	1.50	2.00	2.00	3.25	15.80
PSP-4	2.00	2.00	2.00	3.75	18.00
PSP-4+	2.00	2.50	2.50	4.25	19.60
PSP-5	2.00	3.00	3.00	4.65	21.25
PSP-5+	2.50	2.50	2.50	4.65	21.80
PSP-6	2.50	3.00	3.00	5.10	23.40
PSP-6+	3.00	3.00	3.00	5.60	25.60

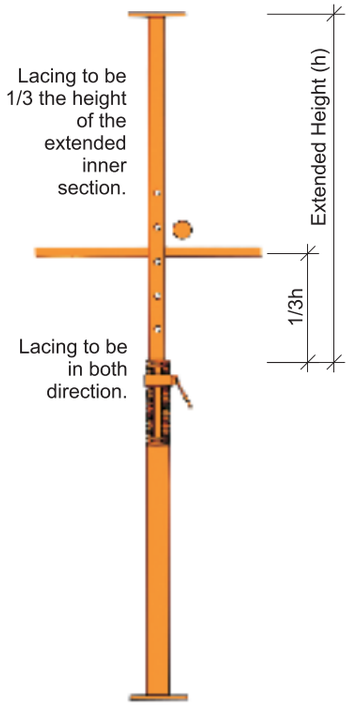
Note: Weights indicated above are subject to tolerance of +/- 3.0 %.

Specifications:

- Outer member made of 50NB (60.3mm OD) Medium class Pipe,
- Inner member made of 40NB (48.3mm OD) Medium class Pipe,
- Top and Bottom Plate are made of 150x150x6 mm M.S. Plate,
- Heavy Duty Malleable Cast-Iron Prop Nut gives fine adjustment for leveling,
- 'G' Pin made of 'High-Tensile' Steel provided for coarse adjustment.

Additional Features:

- Our Roll-Threaded Props ensure no loss of material by which life and load bearing capacity of the prop is effectively enhanced.
- As per customer's needs, Props are available with various heads like Beam Head, 'U' Head, Angle Head, Regular Flat Head and Tilt-Up Head.
- We also make available 'Dip Painted' Props using Synthetic Enamel Paints.



Safety Instructions:

- Props should always be plumb and loaded concentrically.
- Safe working Loads allow 1.5° out of plumb loaded concentrically.
- Props must be braced in both directions by tubes and Double couplers when extended beyond 3.75 Mtrs.
- Lacing to be done at 1/3rd the height of the extended inner section and to be in both direction.
- While Double staging, lower Prop shall be braced at two levels whereas upper Prop, at one level. All these three bracings have to be in both directions.

ADJUSTABLE BEAM SPAN

	Sizes	Min.	Max.	Self Weight in Kg.
Standard Size	ESO + ESI	1750	2600	26.00
	SO +SI	2400	4100	39.00
	SO + LI	3050	4650	46.00
	LO + LI	3150	5200	52.00
Other Size	2.0 x 2.0	2010	3250	35.50
	2.0 x 2.5	2510	3850	40.00
	2.5 x 2.5	2510	4250	44.00

Note: Weights indicated above are subject to tolerance of +/-3.0 %.

Adjustable Beam Spans are widely used as self supporting runners in the shuttering system under the Floorform Panels / Shuttering plates.

Specifications:

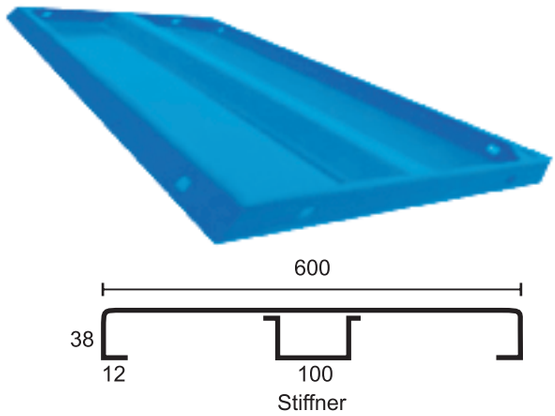
- Main body of the Outer & Inner members are made up of 14/12 Gauge M.S. Sheet.
- Bottom of the Outer member is made up of 50x6 mm M.S. Plate.
- Bottom of the Inner member is produced using 40 x 40 x 6 mm 'T' Angle.
- Lattice is made of 10mm dia. M.S Round Bar.
- Bearing angle are of 75x75x8 mm size.

FLOORFORM PANELS AND ADJUSTERS

Floorform Panels are used as shuttering for slab casting. Floorform adjusters fill up odd shapes of slabs eliminating cutting and wastage of timber altogether.

Floorform panels are made of 14/12 Gauge M.S. Sheets with double bent edges of 38mm height welded at all corners with proper slots and nail holes at the edges. In order that the flange stays as a one piece product and maintains its strength, it is pressed bent from the same M.S. Sheet.

Floorform Adjusters are normally 400mm and 250mm wide and 900mm and 1150mm long. Details of Standard Sizes of Floorform Panels available and their respective allowable slab thickness are given in the table below. Customised sizes can also be made available as per client's requirements.



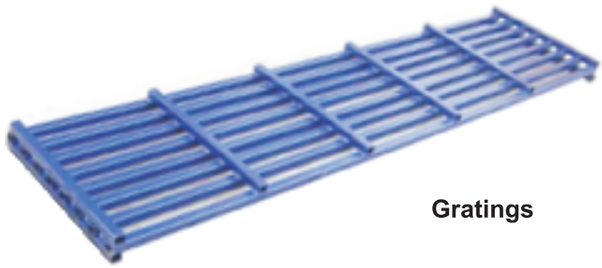
Floorform Panel Size in mm	Self Weight in Kg.	Span^ In mm	Thickness^ In mm
1150 x 600	16.65	1150	300
900 x 600	12.95	900	400
900 x 600	12.95	600	600

Note: Weights indicated above are subject to tolerance of +/-3.0 %.

Span^: C/c unsupported distance between the two horizontal runners on which the plate lies.
Thickness^ = Maximum Allowable slab thickness of the slab to be cast.

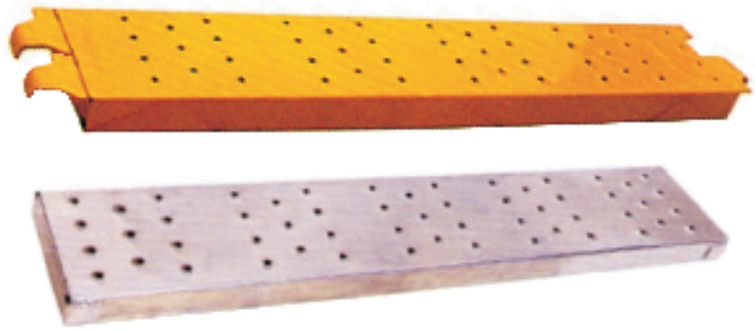
WALKWAY PLANKS

A Walkway plank is an equipment which typically provides access through an opening, by permitting mobility and communication. Its main purpose is to facilitate a person to stand, move and work conveniently, without any difficulty, along with the machinery utilized to carry out the job.



Gratings

Gratings is a framework of parallel and crossed bars, that can also be utilized as a walkway plank. Usually such gratings are made of 25 x 25 / 20 x 20 M. S. Square pipes and 20 NB Round pipes of varied thickness, based on clients Requirements.



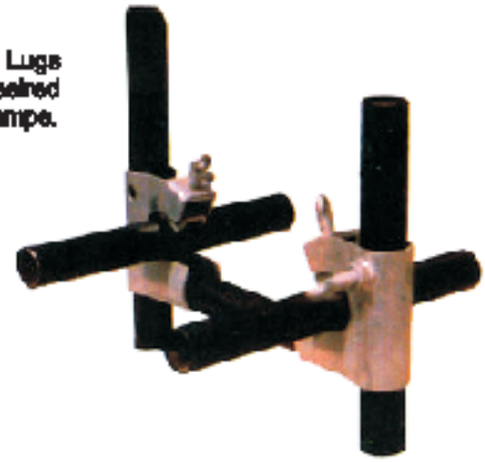
Scaffolding Board

Scaffolding boards are made of 14 Gauge M.S. Sheets with double bent edges, welded at all corners with percolated anti-skit dimples over the upper surface of the walkway.

Available Sizes
2700 x 300 mm
2400 x 300 mm
2100 x 300 mm
1800 x 300 mm
1500 x 300 mm

APS UNIT SCAFFOLDING SYSTEM

Horizontal Crossbar with inbuilt 'Three Way Clamps' at both end rest on Lugs welded @ 500mm C/c on two Verticals to form units which are placed at desired spacing of up to 2.5M and connected by 40NB Tubes passing through the Clamps.



Advantages :

- No Loose fittings
- Easy handling, transportation and storage
- Choice to change spacing of units as per different loading conditions

Height	Width
2000 mm	1250 mm
1500 mm	1250 mm
1000 mm	1250 mm

CUPLOCK SCAFFOLDING SYSTEMS

Cuplock is proven multipurpose scaffolding system which can be used in structures for building and construction industries. It is the most versatile and optimized system of Scaffolding.

CUPLOCK SYSTEM COMPONENTS:

1) Cuplock Verticals / Standards :

Cuplock Verticals are the principal load bearing members comprising of Sets of Top and Bottom Cups. The Bottom Cups are welded in position at 500/1000 mm distance. The Top Cups are movable and retained by a fix stop. The Verticals are made of 40NB Medium/Heavy class pipes and are drilled for the fixing of Spigot Joints at both the ends.

Load Carrying Capacity of Cuplock Verticals

Bracing Length	Permissible Load in Tonns (Yst 210 N/mm2)	
	'Medium' class	'Heavy' class
500	4.66	6.32
1000	4.12	5.57
1500	3.54	4.74
2000	2.67	3.50

Note : The above values are indicatives and not accurate. We request you to re-confirm these loads before finalizing your cuplock staging design.

Sizes of Cuplock Verticals / Standards

Size In mm.	No. of Cups @ 500/1000mm	Self - Weight In Kg./Nos.
3000	6/3	13.65
2500	5/3	11.20
2000	4/2	9.15
1500	3/2	6.85
1000	2/1	4.60
500	1/1	2.35

Note: Weights indicated above are subject to tolerance of +/- 3.0 %.

Cuplock Ledgers / Horizontals

2) Cuplock Ledgers / Horizontals :

Ledgers/Horizontals are made of 40 NB Light / Medium class pipes with forged Ledger blades welded at both the ends. The simple robust design ensures that Ledgers / Horizontals need no maintenance.

Length of the Ledgers / Horizontal is calculated between Centre to Centre of such two Verticals.

Sizes of Cuplock Ledgers / Horizontals

Size In mm	Length In mm	Self-Weight In Kg./Nos.
2400 C/c.	2352	7.20
2000 C/c.	1952	6.10
1800 C/c.	1752	5.50
1500 C/c.	1452	4.65
1200 C/c.	1152	3.70
1000 C/c.	952	3.15

Note: Weights indicated above are subject to tolerance of +/- 3.0 %.

CUPLOCK SCAFFOLDING SYSTEMS

3) Cuplock Beam Brackets :

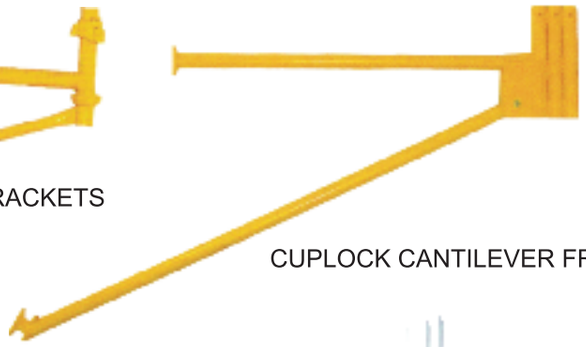
Beam Brackets are used to support internal down-stand beam. The use of Beam Brackets with Jacks accepting beam spanning from one bracket to another can avoid the need of ground based support, thus saving all the other components that would normally be needed below the drop beam. It has safe working load of 1500 Kgs.

4) Cuplock Cantilever frames and Hop-up Brackets :

Cantilever frames are used for supporting decking or formwork at the edge of the slabs. The frames have blade ends for locating the cup joints and can accept Jacks. Such frames can have projection up to 1.5M
Hop-up Brackets are smaller version of Cantilever frames. They are generally used for awkward areas beyond the main scaffolding where scaffolds cannot be located directly adjacent to the work face.

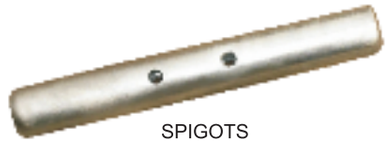
CUPLOCK BEAM BRACKET

HOP-UP BRACKETS



CUPLOCK CANTILEVER FRAME

CUPLOCK SYSTEM FITTINGS



SPIGOTS

TOP CUP

BOTTOM CUP

LEDGER BLADES

H-FRAME SCAFFOLDING SYSTEM

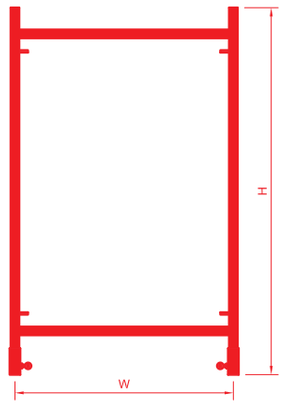
An assembly that consists of rigid welded frame of two Vertical and Horizontal pipes which are interconnected by scissor type Cross Braces through Pins and Spring Clips is called as an 'H' Frame Scaffolding System.

Sizes of 'H' frames

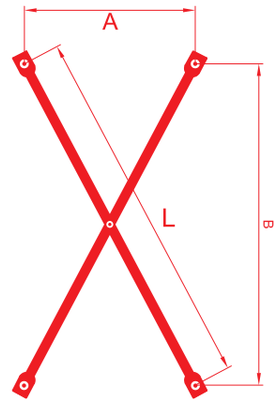
Sr. No.	Size (HxW) In mm.	Self - Weight In Kg./Nos.
1	2000x1000	21.40
2	2000x1250	23.00
3	2000x2000	28.00
4	2400x1000	28.60^
5	2400x1250	30.35^

^ = Weights for 'H' frame with ladder.
(Ladder made of 25NB pipe = 4.6kg/Nos).
Frames are made of 40NB Medium class pipes.

Note: Weights indicated above are subject to tolerance of +/- 3.0 %.

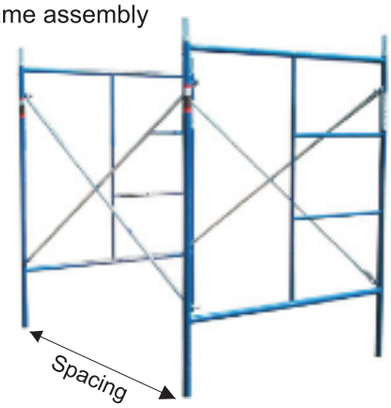


Standard 'H' Frame



Cross Bracing

'H' Frame assembly



Specifications:

The Verticals are made of 40NB Medium/Heavy class pipes and Horizontals are made of 40NB Light/Medium class pipes. In order to connect two 'H' frames vertically 50NB Socket or 38OD Spigots are welded at one end of both the verticals. Cross Bracings are made of 25/20NB Medium or Light class pipes.

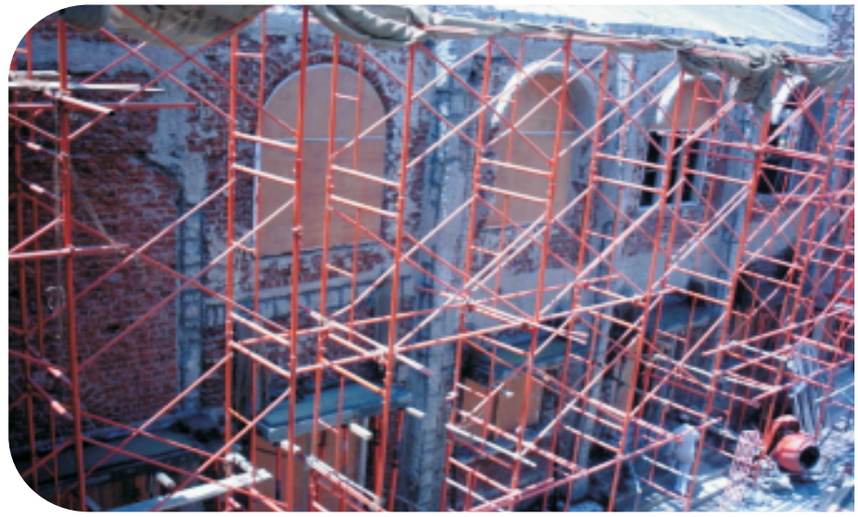
Sizes of Cross Braces

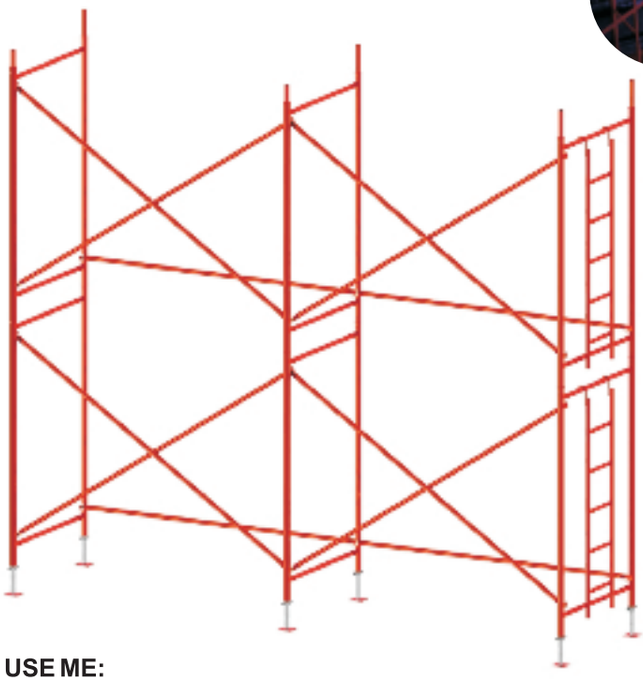
Sr. No.	Size (AxB) In mm	Spacing In mm	Length (L) In mm	Pipe Dia	Self Wt. In Kgs.
1	2500x1500	2500	2950	25NB	9.25
				20NB	7.50
2	2000x1500	2000	2550	25NB	8.00
				20NB	6.45
3	1250x1500	1250	2000	25NB	6.35
				20NB	5.15

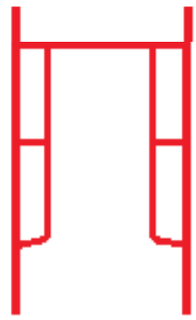
Note: Weightsindicated above are subject to tolerance of +/- 3.0 %.

H-FRAME SCAFFOLDING SYSTEM

Apart from the regular type of 'H' frames, we also provide Walkthrough Frames and Ladder / Mason Frames. Walkthrough frames provide an easy access for human mobilization with clear head room throughout the erected scaffolding structure. Ladder/Mason frame facilitates working platforms at different heights by fitting walkway planks on Horizontals located at multiple levels of the frame.







Walk Through Frames

Ladder / Mason Frames

USE ME:

Following are the formulae that can be utilized for working out the quantity of 'H' frames and other components required for performing outer scaffolding of a structure.

'H' frames:	(L/B+1) x (H/h)	Where
		L = Scaffolding Length,
Cross Bracings:	(L/B) x (H/h) x 2	B = Bay Spacing,
		H = Scaffolding Height,
Base Jacks:	(L/B + 1) x 2	h = Frame Height.

Note: When height of the scaffolding is less than or equal to 20 Meters, Cross Braces should be provided in alternate bays except bottom, top and end bays.

STEEL PIPE FITTINGS AND SCAFFOLDING ACCESSORIES

All scaffolding fittings conform to IS: 2750 : 1968. Steel Scaffold tubes are 40 NB MS ERW conform to IS 1161 : 1958 & IS 1239 : 1979 supplied in random lengths of 1 to 6 M or required cut lengths.

Pressed Fixed Coupler

Pressed Swivel Coupler

Made out of pressed 4mm thick H.R. Sheet body fitted with high tensile 'I' bolts.

Available Sizes : 1) 40x40 2) 40x50 3) 50x50

Drop Forged Swivel Coupler

Drop Forged Double Coupler (Right Angle Coupler)

Exp. Joint Pin

Fixed Base Plate

Sleeve Coupler

Anchore Nut

Tie Rod

Available sizes: 16mm (Std.) & 12mm Dia

Wing Nut

Gho-Gho Nut

Stirrup Head

Base Jack

Universal Jack

Available adjustments (For Jacks) :

1) 50-250mm Adjustment **(32x350)** : Made of 350mm long , 32mm dia M.S. Solid Rod.

2) 50-350mm Adjustment **(32x450)** : Made of 450mm long , 32mm dia M.S. Solid Rod.

3) 50-450mm Adjustment **(36x600)** : Made of 600mm long , 36mm dia M.S. Solid Rod.

4) 50-500mm Adjustment **(38x600)** : Made of 600mm long, 4mm thk, 38mm OD pipe

'U' Head of Size : 100 x 100 x 75 x 5 mm

Base Plate of size : 150 x 150 x 6 mm

CLIMBING WALLFORM SYSTEM AND FORMWORK ACCESSORIES

Wallform is idle for heavy and light duty multi-purpose formwork which gives maximum economy with excellent concrete finish.

Wallform system of steel shuttering comprises of Standard Panels of different sizes with longitudinal Stiffener, Channel or Heavy Duty Soldiers and Tubes or Channel Walers. All these components are assembled together by four types of Clips of unique design.

Wallform panels and Soldiers are manufactured out of 2.5 / 3.0 mm thick M.S. Sheets with slotted M.S. Angle of 45 x 45 x 5 mm or 50 x 50 x 6 mm sizes.

WALLFORM PANEL

Available Sizes	Weight in Kgs.
1250 X 200	14.30
1250 X 230	15.25
1250 X 300	19.00
1250 X 400	24.00
1250 X 450	25.25
1250 X 500	27.00
1250 X 600	33.25
1250 X 650	37.00
1250 X 750	39.70

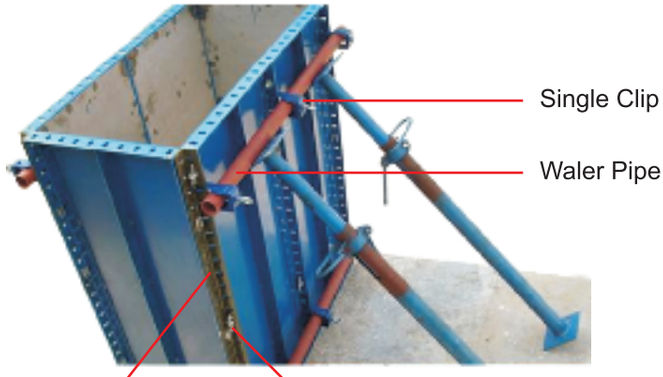
Note: Weights indicated above are subject to tolerance of +/- 3.0 %.

HEAVY DUTY SOLDIER
Available Sizes : 2.00, 2.50 (Std.) & 3.00 Mtrs

DOUBLE ADJUSTER
1000 mm - 1250 mm (L) / 150 mm - 225 mm (W)

90° INTERNAL CORNER PANEL
1250 X 150 X 150 mm

90° EXTERNAL CORNER ANGLE
45 X 45 X 5 mm



COLUMN FORMWORK

Wedge clip to connect Panels and soldiers

Single clip for Tube water

Double clip for Channel water

PRIME STEELTECH (I) PVT. LTD.

ISO 9001 Certified Company

HEAD OFFICE : (Mumbai)
Shop No. B-6, Tulijai CHS Ltd., Kasturba Cross Rd. No. 4,
Borivali (E), Mumbai - 400 066.
Mob.: 09324561020 / 09322771231
Tel.: 022 6526 0046 / 3222 3010 Fax : 022 2864 0046
Email : primehosales@gmail.com

BRANCHES :

ANDHRA PRADESH (Hyderabad)
M.C.H. No. 10-2-78/79, Manipur Colpny,
Lingojiguda, Saroor Nagar,
Rangareddy, Hyderabad - 500034.
Mob.: 09393161504 / 09393161503 Telefax : 040 30623682

GUJARAT (Surat)
2nd Floor, Bldg. #53, Kastuba Mahila CHS Ltd.,
Palanpur Patiya, Rander Rd., Surat - 395 009.
Mob.: 094261 87545 Tel.: 0261 2761149

MAHARASHTRA (Pune)
S. N0. 34/4/1, Gokul Nagar,
Katraj- Kondhwa Rd., Katraj, Pune - 411 046.
Mob.: 09325021380 / 09325775292 Telefax : 020 26961887

www.primesteeltech.co.in