



SHAKTI INDUSTRIES

Always dedicated and devoted.

PRODUCT CATALOGUE



STEEL SCAFFOLDING, SHUTTERING & FORMWORK SYSTEM

WELCOME TO SHAKTI INDUSTRIES



Completing twenty two successful years in the steel industry, we are catering the Pressed Steel Doors Frames, Chowkhats for Doors, Cupboards and Window Frames. In addition we also manufacture Complete Scaffolding Solutions as per Various Indian and International Standard as well as tailor made Solutions for any Specific requirements. **Supplier and Trader of Fancy Gates, Gate Grills, MS Shuttering Plates, Steel Chowkhats and Steel Windows.** All these products are manufactured in our works based in Punjab Here we have employed a team of designers, engineers and other workers, who are versed with the handling of manufacturing utilities and equipment.

All our personnel are trained to address the client's queries/doubts in a nice manner. They are open to do whatever is required by the clients for developing fancy gates, wrought iron, gate grills, MS shuttering plates, and other products. Also depending on the nature of order, we can create a presentation for the design and installation of these products as per client's requirements.

Amongst various things which we enjoy, one is taking the idea or memory and shaping it into a metal art. This art work has earned us a reputed position in the industry. We can custom manufacture all the fancy gates, gate grills, MS shuttering plates, and other products. Whatever we sell, we install it.

- | | | |
|-----------------------------|------------------------|-----------------------------|
| • Pressed Steel Door Frames | • Cupboards | • MS Shuttering for Columns |
| • Steel Doors | • Fancy Gates | (Square, Rectangle, Round) |
| • Steel Windows | • Gate Grills | • Scaffolding Systems |
| • Steel Ventilator | • MS Shuttering Plates | • Box Type Windows |

Why Us?

- | | |
|---|--|
| • Finest quality products in vogue with latest trends | • Competitive prices for all clients |
| • On time delivery and installation of the products | • Complete customer support, even after the end of purchase deal |

We are affianced in manufacturing and supplying a superior quality of **Press Stell Chowkhat** that is made available for our clients in different specifications. The offered chowkhat is manufactured in 1.25 mm and 1.6 mm thickness under the vigilance of our dexterous professionals using high grade steel with the aid of contemporary pressing techniques. Ideal to fit in residential and commercial buildings, this chowkhat is highly demanded in the national market.

Features:

- | | |
|---|---|
| • Rugged construction with impact proof | • Accurate dimension and easy installation |
| • Perfect finishing protects from corrosion | • Applause for high strength and durability |

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.



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.

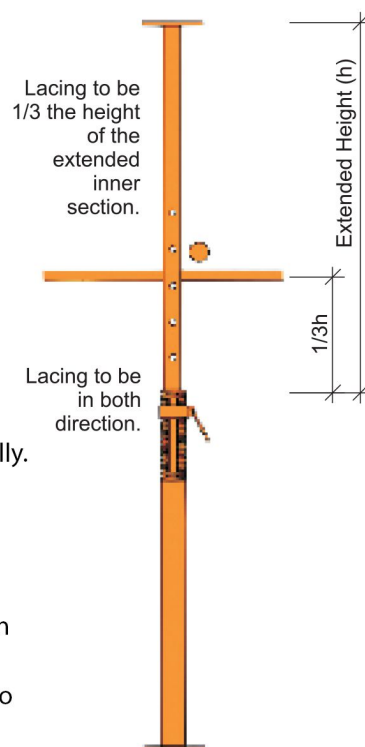
Additional Features:

- 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 $\frac{1}{3}h$ 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

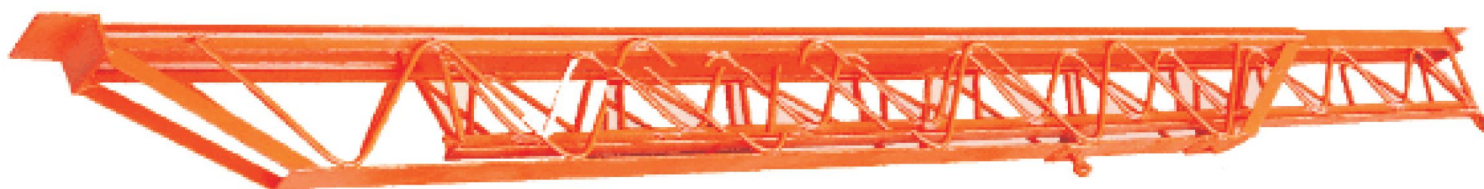
	Sizes	Min.	Max.	Self Weight
Other Size Standard Size	ESO + ESI	1750	2600	26.00
	SO + SI	2400	4100	39.00
	SO + SI	3050	4650	46.00
	LO + LI	3150	5200	52.00
	2.0 + 2.0	2010	3250	35.00
	2.0 + 2.5	2510	3850	40.00
	2.5 + 2.5	2510	4250	44.00

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:

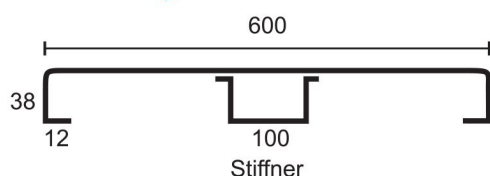
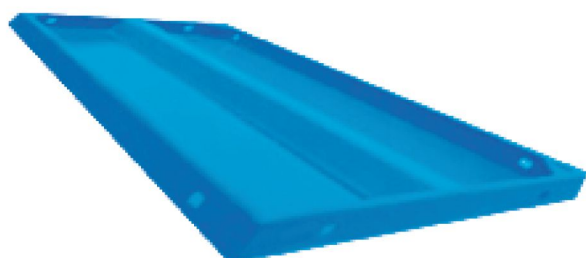
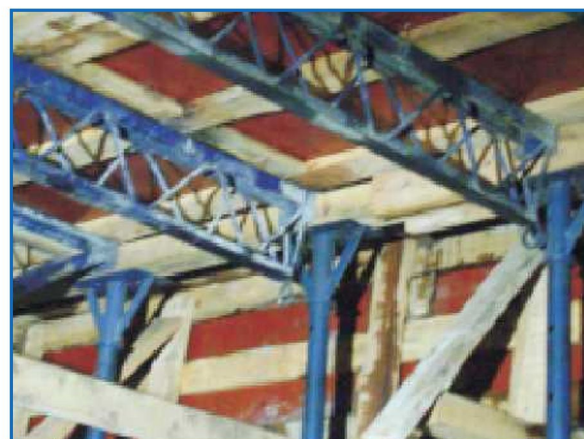
- Main body of the Outer & Inner members are made up of 14/12 Gauge M.S. Sheet.
- Bottom of the Outer member is made up of 50x6 mm M.S. Plate.
- Bottom of the Inner member is produced using 40 x 40 x 6 mm T Angle.
- Lattice is made of 10mm dia. M.S Round Bar.
- Bearing angel are of 75x75x8 mm size.



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	Self Weight in Kg.
1150x600	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 %.

SpanA: 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.

SCAFFOLDING SYSTEMS

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.

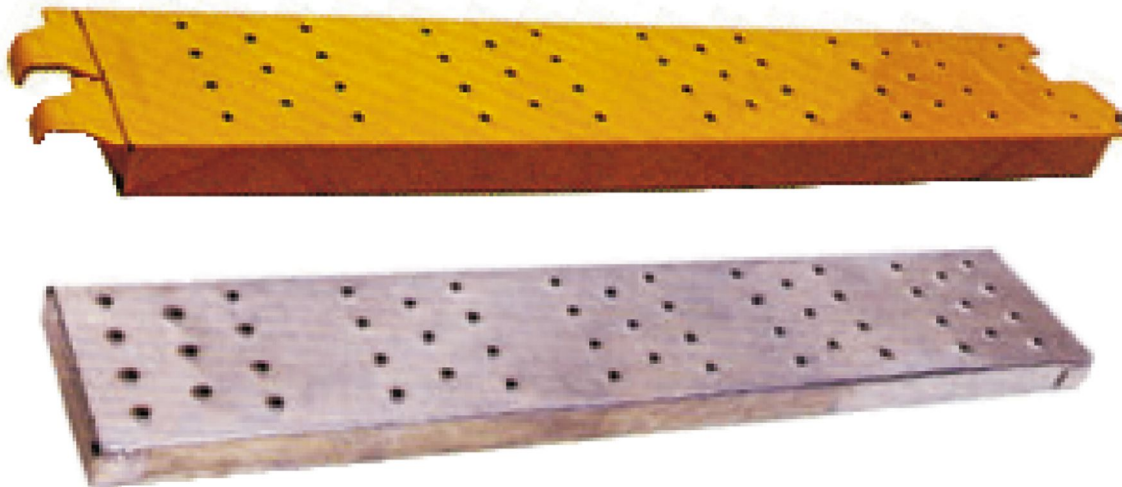


Gratings

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



Scaffolding Board

Available Sizes

2700 x 300 mm

2400 x 300 mm

2100 x 300 mm

1800 x 300 mm

1500 x 300 mm

WALKWAY PLANKS

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/mm ²)	
	'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 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 Verticals / Standards :

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 %.

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



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

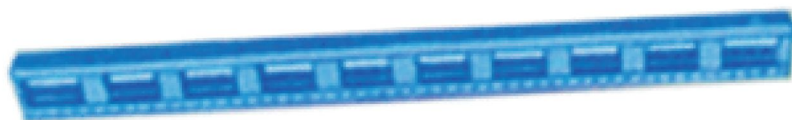
Wallform is ideal for heavy and light duty multi-purpose formwork which gives maximum economy with excellent concrete finish.

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



HEAVY DUTY SOLDIER

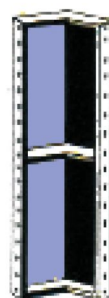
Available Sizes : 2.00, 2.50 (Std.) & 3.00 Mtrs

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

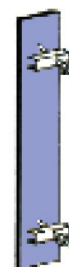
Note: Weights indicated above are subject to tolerance of +/-3.0 %.

DOUBLE ADJUSTER

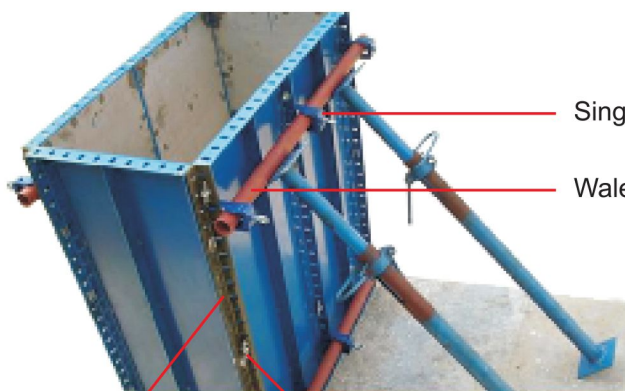
1000 mm - 1250 mm (L) / 150 mm - 225 mm (W)



90° INTERNAL
CORNER PANEL
1250 X 150 X 150 mm



90° EXTERNAL
CORNER ANGLE
45 X 45 X 5 mm



Corner Angle

Wedge Clip COLUMN FORMWORK

Wedge clip to
connect Panels
and soldiers



Single clip for
Tube water

Double clip for
Channel water



SHAKTI INDUSTRIES

Always dedicated and devoted.

CONTACT US AT:

MOB: 9417165137 / 9855740213

EMAIL: SHAKTIINDNSTRIES1992@GMAIL.COM

WWW.SHAKTIINDUSTRIES.COM



Head Office & Works:
K-29, Industrial Growth Centre, Mansa Road, Bathinda (Punjab)