

JB FORMWORK SYSTEMS



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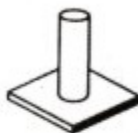
SCAFFOLDING TUBES AND FITTING

M.S. Scaffolding tubes 48.3mm OD conforming to IS : 1161 Grade YST 210.



Adjustable stirrup head gives vertical adjustment between 75mm to 225mm supplied to suit 60.3mm OD or 48.3mm OD Tubes. Adjustable Base Plates are also available.

Right Angle or Double Coupler to connect two tubes at right angle.



Base Plate to provide flat bearing surface for even load distribution.

Propex-Mini prop Providing 600 mm to 900 mm height.



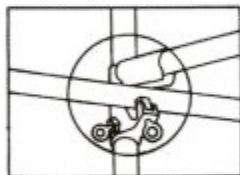
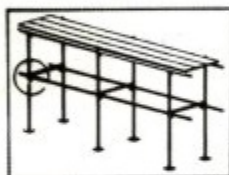
Swivel Coupler to connect two tubes at any desired angle.



Joint Pin to connect two tubes end to end.



APS SCAFFOLDING



Height	Widths
2000 mm	1880mm
1500mm	1270mm
1000mm.	810mm

Consists of two verticals and one horizontal made of 48.3mm OD tubes. Lugs are welded at every 500mm on verticals to provide positive support to horizontal. Horizontal is made from two three way clamps welded to both ends of a pipe ledger tube has to be used to connect two or more APS units.

Advantages:

- Handy, hence easy for erection at great heights.
- Easy for transportation and storage in dismantled condition.
- Ideal for scaffolding or support multiple staging as the system allows any desired spacings of units.

Putlog coupler for two horizontal tubes at right angle

H-FRAME SCAFFOLDING

Consists of welded frame of two verticals and two horizontals made of 48.3 mm OD tubes and 32 OR 50 mm NB Socket and Spigot. Two frames are interconnected by scissor cross braces through pins welded on frames and locked in position by spring clips. Bracing in alternate staging frames may be skipped depending on the height and loading on the multiple H-Frame Scaffolding. Cross Bracings are supplied to suit different frame spacings.

Uses and application - a) Can be used as tower Scaffold around Builder's Hoist b) H-Frames of 60.3mm OD tubes can also be used for support staging below bridge girder, heavy RCC industrial structures etc. c) Ideal as scaffolding and multiple tier staging around silos, high rise buildings etc.



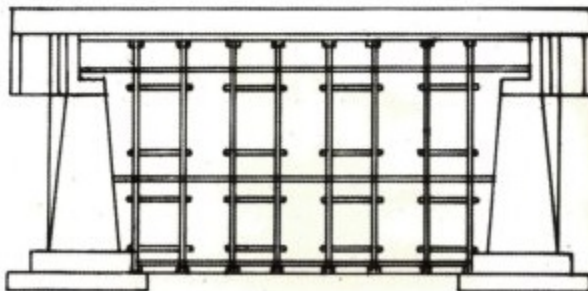
Height	Widths
2000 mm	1800mm
1500mm	1250mm
1000 mm.	900mm

Cross bracings to suit frame spacings of 3, 2.5, 2, 1.5 & 1 mtr.



STAGING OF BRIDGES

U Frames / H Frames can be arranged on the levelled surface as per designed spacings in multiple units upto the bottom of the deck slab. Ledgers are held in both directions with double / right angle coupler. Cross bracings are provided with Swivel couplers for proper load distribution. Stirrup heads are used in each leg for final adjustment to take care of deck slope. Staging with adjustable props with adequate bracings also can be undertaken where the height of the bridge/culvert is low.





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The adjustable spans are made out of 14 swg./12 swg. sheet, 10mm /14mm M.S. Rounds and 40x40mm M.S. Tee. consists of an outer and an inner member. Having exceptionally high load bearing capacity for its low weight. Completely eliminates intermediate propping to support shuttering plate.

Clear Span in mtr.	Min	Max.
ESO+ESI	1.75	2.70
SO+ESI	2.40	3.45
SO+SI	2.45	4.16
SO+LI	3.05	4.75
LO+SI	3.10	4.90
LO+LI	3.10	5.50

ADJUSTABLE SPAN

This table provides ready reckoner for determining the suitable span and spacing of span for various slab thickness. Maximum length of the span should not be less than clear span+ 13cm.

LOADING TABLE

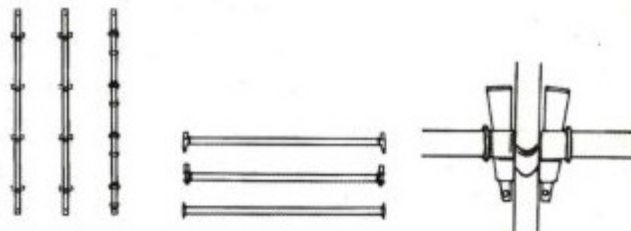
Slab thickness mm	Total load including 180Kg/Sq.mtr. shuttering load & Live Load in Kg/Sq. mtr.	Permissible clear spans for span spacing			
		600 mm	800 mm	900 mm	1150 mm
100	420	5500	5000	4150	4010
125	480	5330	4650	4340	3760
150	540	5000	4350	4090	3560
200	660	4520	3950	3680	3200
250	780	4140	3650	3380	2840
300	900	3730	3400	3150	2490

WEDGE LOCK SCAFFOLDING

Consists of a vertical with wedge housing welded at every 1000/500mm., in four directions at right angle. Ledgers / transoms have end fittings with wedges to fit and lock in the wedge housings.

Advantages: This type of scaffolding got the merit of simple and fast erection and permits changing levels of ledgers / transoms without disturbing main scaffold.

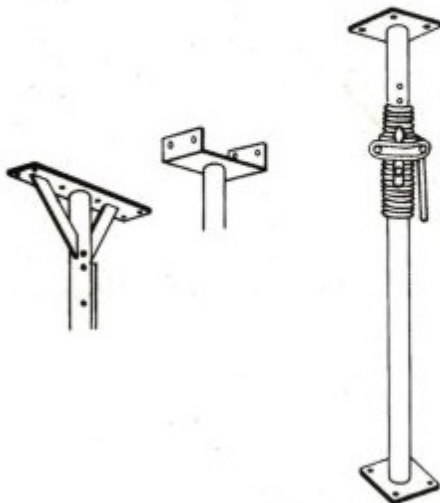
Uses & Application : This system is ideal for very high scaffolding or support multiple staging for chimney-silo construction and widely used for ship building jobs.



VERTICALS:
3, 2 & 1 mtr.

LEDGER/TRANSOM

LOCKING SYSTEM



TELESCOPIC STEEL PROPS

Outer member made from 60.3mm OD & Inner member made from 48.3mm OD M.S. Pipes. Junior props are made from 50.8mm OD & 44.4mm OD M.S.Pipes. Provided with nut with self-cleaning notch.

Prop	Height in mtr.		Safe Axial load in kg.	
	Closed	Extended	Closed	Extended
Junior	2.00	3.10	1000	1500
ON	1.10	1.75	3500	3000
1N	1.50	2.75	3200	2300
2N	2.00	3.25	3000	2200
3N	2.00	3.75	2900	2000
4N	3.00	4.65	2300	1150
5N	3.00	5.50	—	—

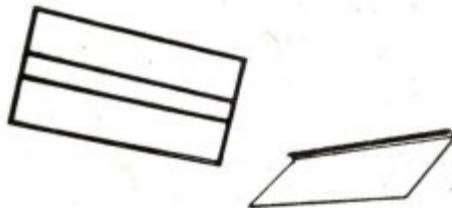
Note: Props must be braced in both directions by tubes and couplers when extended beyond 3.75 mtr

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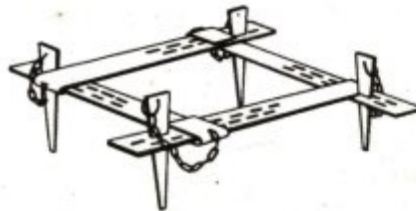
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SLAB FORM / FLOOR FORM

Slab forms are manufactured out of 14 swg. or 12 swg. sheet with pressed flanges and central stiffener. Available in 1150x600mm, 900x600mm and 800x600mm. Adjuster slab forms cover up the balance centreing area, thus eliminating wastage and cutting of timber altogether. Matching slots are punched on the flanges of the slab form.



ADJUSTABLE COLUMN CLAMPS



Adjustable column clamps are manufactured in three sizes to accommodate column sizes from 30.5 cm to 133.0 cm and are ideally suited for use with either timber or steel forms, each is supplied complete with four arms with wedge and chain fittings.

Size No.	Column Size		Length of arm in mm	Width of arm in mm
	Min.	Max.		
1	30.5cm	73.0cm	955	60
2	44.0cm	104.0cm	1255	60
3	67.5cm	133.0cm	1575	75

WALL FORM SHUTTERING

Wall form Shuttering panels are manufactured from 12 swg. M.S. Sheets with slotted 45x45 x4/5 mm angle frame and stiffener.

Channel or Heavy duty soldiers are supplied in 2.5 mtr. x100mm width. Heavy duty soldiers are to be used in place of channel soldiers for single sided shuttering.

The wall form panels and soldiers are assembled together with tubes or channel walers by single clip, double clip and bridge clip.

For curved walls flexible panels are used instead of Wall form panels.

The figure shows assembly ready for 2nd pour with soldiers remaining in the same position. Wall ties remain embedded in first pour. For successive pours, complete assembly of panels soldiers and walings is lifted in convenient length.

This system is being used for construction of R.C.C. walls, column, beams, culverts etc. Splay panels, haunch panel, internal corner panel and external corner angle are also available.



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



90° EXTERNAL
CORNER ANGLE
1000 mm-1250 mm



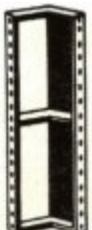
STANDARD PANEL
1000 mm-2500 mm (L)
100 mm-500 mm (W)



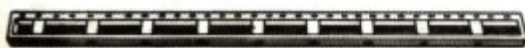
FLEXIBLE WALL FORM PANEL
1000 mm - 1250 mm (L)
500 mm (W)



135° SPLAY PANEL
1000 mm-1250 mm



90° INTERNAL
CORNER PAN EL
1250 x 150 x 150mm



100 mm HEAVY DUTY SOLDIER



100 mm CHANNEL SOLDIER



TIE BOLTS, WASHERS AND PLASTIC CONES

Assembly bolt/clip and wedge to connect panels and soldiers.



COIL TIES, WATER SEAL TIES & LOOPS
12 & 20 dia. Ties in lengths to suit wall thickness and 100 & 150 mrr
Single and 225 mm Double Loops

JB**JB RANGE OF CONSTRUCTION EQUIPMENTS ARE ALSO AVAILABLE**