

# ADSF Shoring Frames



Shoring Frame

## ADSF SHORING FRAME SYSTEM

ADSF Shoring Frame System is a high efficiency support structure for heavy duty horizontal concrete elements. The innovative prefabricated frame is the main component of a robust shoring system that will improve the quality and speed of concrete construction. The easily assembled frame with relevant system components provides an exceptional support system for slabs, beams and other horizontal formwork. As a completely toolless system with a low number of components and bolt free connections, the frame shoring system saves time compared to traditional scaffolding systems. The system requires less storage space with a compact transport scheme.



BUILD STRONG BUILD WITH QUALITY

## FEATURES OVERVIEW

- High load bearing capacity of up to 62.3kN per leg.
- The frame is made of robust steel in various heights of 1.80m, 1.50m, 1.20m and 0.90m. All suitable for various heavy shoring uses.
- Large frame width for optimum stability.
- Variable inter-frame spacing.
- Offers maximum site use flexibility.
- Small number of system components.
- Crane time saving erection method.
- Frames are either painted, electroplated or hot dipped galvanized steel as per our customers request.
- The top U-head, screw jack and base plate allows a precision and fast structure handling.
- Primary decking options: ADSF aluminium beam 150, H2O timber beam and ADSF soldier beam.  
Secondary decking options : ADSF aluminium beam 150 and H2O timber beam.
- High number of reuse cycles.
- Normally plywood by contractor, but can be provided by ADSF on request.
- Standard health and safety protection components to workers.

Recommended Safe Leg Loads for ADSF Shoring Frame 60mm Diameter Leg

Frame Size in mm.	Total Screw Adjustment Top + Bottom in mm.	Leg Load in kN									
		1	2	3	4	5	6	7	8	9	10
900x600 900x1200	600	62.3	53.4	48.9	48.0	47.2	46.3	45.4	44.5	43.6	42.7
	900	62.3	51.2	48.9	48.0	47.2	46.3	45.4	44.5	43.6	42.7
	1200	57.8	48.9	44.5	43.6	43.1	41.8	40.9	40.0	39.1	38.3
900x600 900x1200	600	62.3	53.4	48.9	48.0	47.2	46.3	45.4	44.5	43.6	42.7
	900	62.3	51.2	46.7	45.8	44.9	44.0	43.1	42.3	41.4	40.5
	1200	57.8	48.9	44.5	43.6	42.7	41.8	40.9	40.0	39.1	38.3
900x600 900x1200	600	53.4	53.4	48.9	48.0	47.2	46.3	45.4	44.5	43.6	42.7
	900	53.4	53.4	44.5	43.6	42.7	41.8	40.9	40.0	39.1	38.3
	1200	53.4	48.9	42.3	41.4	40.5	39.6	38.7	37.8	36.9	36.0
900x600 900x1200	600	53.4	53.4	48.9	48.0	47.2	46.3	45.4	44.5	43.6	36.0
	900	53.4	53.4	44.5	43.6	42.7	41.8	40.9	40.0	39.1	38.3
	1200	53.4	48.9	42.3	41.4	40.5	39.6	38.7	37.8	36.9	36.0
Number of Tiers (Frames / Tower)		1	2	3	4	5	6	7	8	9	10

## ADVANTAGES & BENEFITS

- Shoring frame towers are the ideal shoring solution for high thick slabs and bridges.
- Used by a vast number of construction professionals, shoring frame systems provide support for both independent towers and fixed scaffolding, depending on application requirements.
- Shoring frame system is a completely toolless system with bolt free connections. The shoring frames are joined with coupling pin connector and the frames are secured against lift-off by using pigtail pins or bolt & nut.
- Shoring frames with low number of components saves time and money in assembly and dismantling due to reduced number of loose parts, versus traditionally assembled scaffold systems containing standards, ledgers and diagonal braces.
- The Welded frames without loose parts are light weight with a logical assembly sequence. Erecting and dismantling the towers is easy and safe even for relatively unskilled labour. This helps in lowering labour cost for the construction site.
- Shoring frame system offers unmatched time saving when compared with the assembly of traditional scaffolding made of separate standards and ledgers (approximately 30 faster).
- By using the pigtail pins or bolt & nut, the shoring tower can be assembled horizontally on the ground, then placed by a crane into position. This saves contractors time with minimal use of crane time.
- Shoring frame system is compatible with a variety of formwork girders such as aluminum beams, H20 timber beams, and ADSF soldier beams.
- Shoring frame system offers sustainability for site use with a reuse lifetime over many construction cycles with minimal waste.

## ADSF PROPS

Built to British Standard BS 4074 and tested to BS 5507 Part 3: 1982 of high steel, these props can be used for a multitier purposes where an adjustable load bearing element required.

Height adjustments are possible by utilising a heavy duty pin through the slot in the outer tube holes (at regular intervals) in the inner tube. Adjustments are achieved through the rolled three cast iron collar.



BUILD STRONG BUILD WITH QUALITY

## ADSF PROPS

Made of 3.0mm inner and 3.2mm outer tube they are available in four standard sizes offering extensions from 1.7m to 4.5m.

Item Code	Length (m)	Closed (m)	Open (m)	Weight (Kg)
AD30HD	3.0	1.7	3.0	15.0
AD35HD	3.5	2.0	3.5	16.8
AD40HD	4.0	2.5	4.0	18.5
AD45HD	4.5	3.0	4.5	20.0

## MEDIUM DUTY PROP

A 2.0mm Inner and 2.0mm outer tube is used to make the Medium Duty Prop.

Item Code	Length (m)	Closed (m)	Open (m)	Weight (Kg)
AD30HD	3.0	1.7	3.0	10.0
AD35HD	3.5	2.0	3.5	12.0
AD40HD	4.0	2.5	4.0	13.0
AD45HD	4.5	3.0	4.5	14.0