







Scaffolding

## AD Lock Scaffolding System

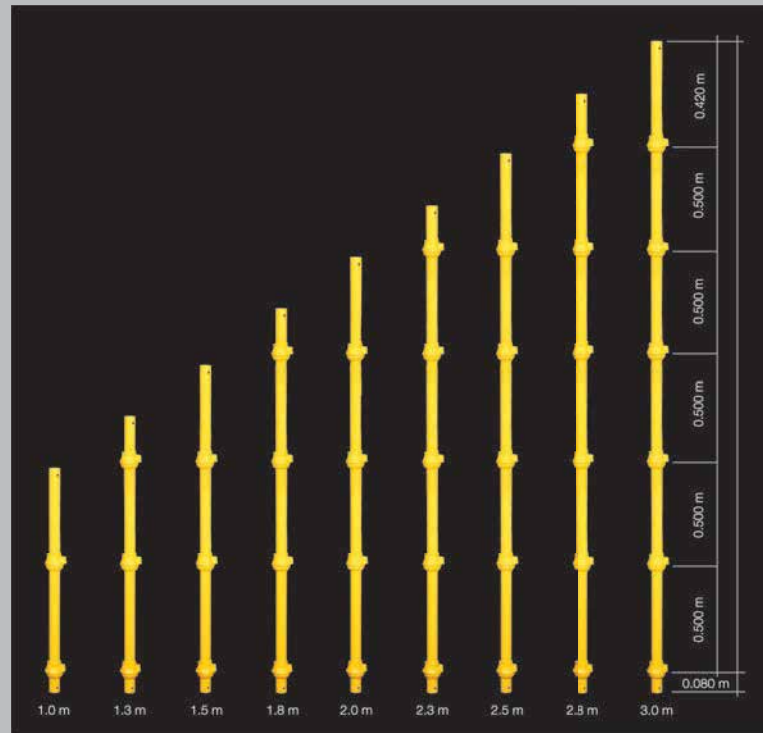
# AD Lock Scaffolding System

## Cuplock

### STANDARDS

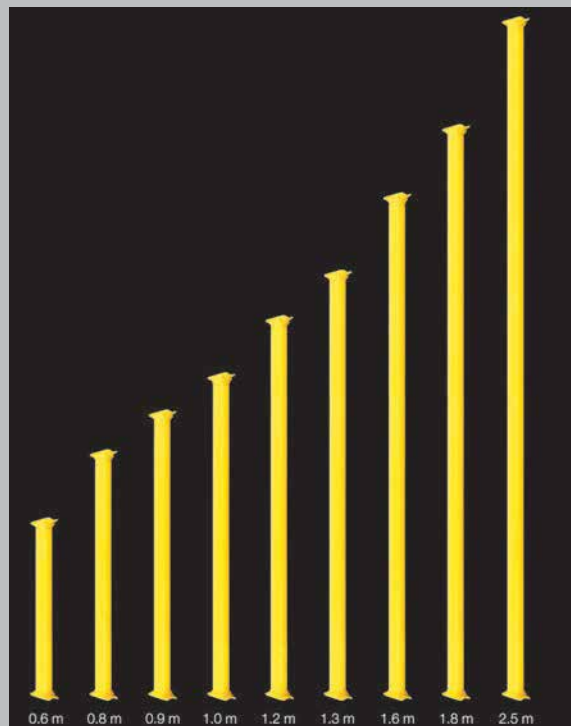
The vertical elements in 9 standard sizes have a joint casting every 0.5m intervals. The top joint castings are made of high grade steel to allow the rigors of daily use. The bottom joints are high grade pressed steel.

Item Code	Length (m)	Weight (Kg)
AD1100	1.0	5.08
AD1130	1.3	6.85
AD1150	1.5	7.62
AD1180	1.8	9.38
AD1200	2.0	10.15
AD1230	2.3	11.92
AD1250	2.5	12.68
AD1280	2.8	14.46
AD1300	3.0	15.22



### LEDGERS

Horizontal element in 9 standard sizes with the locking element - the ledger end plate made of forged steel.



Item Code	Length (m)	Weight (Kg)
AD260	0.6	2.34
AD270	0.8	3.08
AD290	0.9	3.41
AD2100	1.0	3.77
AD2120	1.2	4.48
AD2130	1.3	4.84
AD2160	1.6	5.91
AD2180	1.8	6.60
AD2250	2.5	9.12

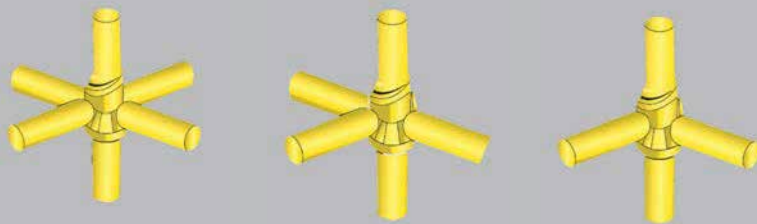


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## VERTICAL COMPONENTS

Allowable compressive load when used as an access scaffold.

- The allowable loads given are based on a safety factor of 4:1 on testing to ultimate failure.
- The allowable loads are only valid if the access scaffold is adequately braced to prevent horizontal movement.

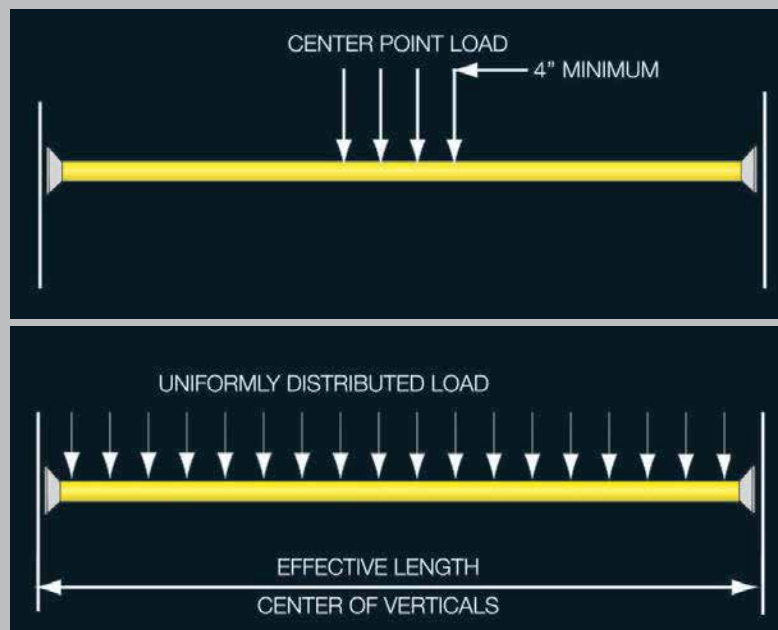


Centres of Horizontal Members (m)	4 Horizontal Members (Kg)
2.0	2950
1.5	3640

3 Horizontal Members (Kg)	2 Horizontal Members (Kg)
2102	1930
3070	2750

Centres of Verticals (m)	Allowable Center Point Load (Kg)	Allowable Uniformly Distributed Load (N/m)
0.9	482	48.6
1.2	364	29.1
1.5	290	17.4
1.8	240	11.9
2.0	210	8.90
2.5	180	6.85

## HORIZONTAL COMPONENTS



- The allowable loads given are based on 4:1 on testing to ultimate failure.

## TECHNICAL INFORMATION ON SLAB

### SUPPORTING GRIDS

Bay sizes – inversely proportional to the slab/ beam thickness are shown in the following tabular form.

Slab / Beam Thickness (mm)		Bay Size (N/m)
From	To	
150	250	2.5 x 1.6
250	350	2.5 x 1.3
250	350	1.8 x 1.8
350	400	1.8 x 1.6
400	300	1.8 x 1.3
500	750	1.2 x 1.3
750	1000	1.2 x 1.0
1000	1750	1.2 x 0.6

# AD Lock Scaffolding System



**THIS SYSTEM HAS COUNTLESS APPLICATIONS FOR BOTH INTERIOR AND EXTERIOR USE AND MEETS INTERNATIONAL STANDARD BS 1139:1994 PART - 3**

The Maximum working height for interior work is 14 meters and exterior work is 10 meters.

Equal length braces, stabilizers and wheel legs can be interchanged between the single width (510 S/w) and the (520 D/W) mobile towers.

Maximum weight per platform is 225kg and for the entire tower is 600kg including the tower's weight.

The Wheels of the mobile tower is PU top and PP core.

The Towers are equipped with blank, unprocessed wooden toe board and wooden platforms.

Width available: 1.2, 1.4, 1.6, 2.0 meters.

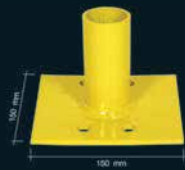
Main frame height available: 1.5, 2.0 & 2.5 meters.

Length available: 1.8, 2.5 & 2.9 meters.

**BUILD STRONG BUILD WITH QUALITY**

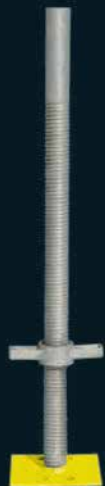


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## SOCKET BASE

Item Code	Size (mm)	Weight (Kg)
AD3SB	150 x 150 x 6	1.4



## BASE JACK

Allows adjustments in height at base of the support

Item Code	Color	Length (mm)	Weight (Kg)
AD3ABJB	Black	760	4.10
AD3ABJG	Galv	760	4.20



## 'U' HEAD

Used with the universal jack to take on timber, aluminium or steel. When these are used as primary decking elements. It is also used as the base support when 'Steel Soldiers' are used to span across voids in the base slab.

Item Code	Length (mm)	Weight (kg)	Weight (kg)
AD3UH150	150	170	2.9
AD3UH200	200	186	5.0



## UNIVERSAL JACK

Item Code	Color	Length (mm)	Weight (Kg)
AD3UJB	Black	760	3.1
AD3UJG	Galv	760	3.2

Allows adjustments in height at either the top or the bottom of the support when used in combination with socket base.

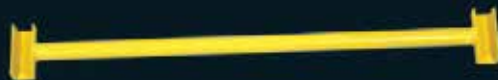


## BASE PLATE

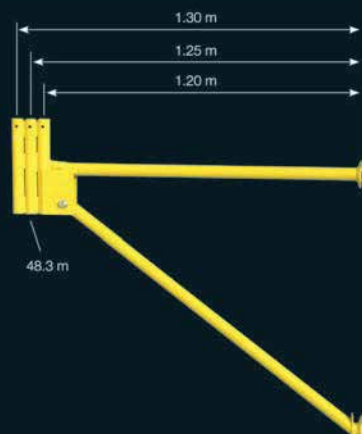
Used when combination of base jack, standard, universal jack. It transfer the load from the verticals.

## INTERMEDIATE TRANSOM

When working platforms are required to be laid across spans greater than 2m, intermediate transoms are placed in between the ledger to reduce the span.



Item Code	Length (mm)	Weight (kg)
AD610	1.0	5.90
AD612	1.2	6.10
AD613	1.3	6.40
AD618	1.8	8.10
AD625	2.5	10.57



## CANTILEVER FRAME

Used when support on the base slab is not possible, especially when drop beams around the perimeter of buildings need to be supported and the earth around the building is not leveled / compacted. In most cases it is from the first floor onwards to either support the drop beams or as access for the working personnel.

Three hollow tubes at the edge allows slight adjustment from 1.2m to 1.3m and they come in 2 sizes - 1.0m & 1.5m.

Item Code	Lift Height (m)	Weight (Kg)
AD3CF1	1.0	15.5
AD3CF	1.5	18.0



Pressed Double Coupler



Pressed Swivel Coupler



Pressed Single Coupler



Pressed Sleeve Coupler



Pressed Inner Join Pin



Pressed Roofing Coupler



Putlong head



Pressed Fencing Coupler



Pressed Top End Clip



Pressed Ladder Clamp



Pressed Ladder Clamp



Drop Forged Double Coupler UK Style



Drop Forged Swivel Coupler UK Style



Drop Forged Single Coupler UK Style



Board Retaining Coupler



Drop Forged Swivel Coupler UK Style



Drop Forged Single Coupler UK Style



Board Retaining Coupler



Drop Forged Double Coupler German Style



Drop Forged Double Coupler German Style



Half Coupler German Style



Super Tie Coupler I



Supa Tie Coupler II



Girder Coupler

## GALVANIZED TUBES

- Available 4.0mm or 3.2mm x 48.3mm OD
- Can be supplied in various lengths
- Fully complies to European Standard EN 39 and are embossed accordingly



**GALVANIZED TUBES**

## WOODEN BOARD

- Fully conforms to BS 2482
- Banded with galvanized board bands at both ends
- Support at every 1.2m
- Kiln dried and have less than 16% moisture content
- Dimensions 38mm x 225mm x the desired length



**WOODEN BOARD**

## LVL BOARD

- Fully conformant to OSHA regulations
- 29-CRF 1926 Sub Part L
- Dimensions 38mm x 235mm x the desired length. Various lengths can be supplied
- Modulus of elasticity of 2.0E



**LVL BOARD**

## SCAFFOLD COMPOSITE BOARD (OIL AND GAS INDUSTRIES)

- Special made for Oil & Gas Industries
- Safer for use
- Longer life
- As per International standard



**SCAFFOLD COMPOSITE BOARD**