



**ACROW**  
Formwork Technology



## Acrow Cup Lock System

ACROW MISR Provides Full Site Service Based On More Than 35 Years Experience In The Field



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## Introduction

Being one of the largest formwork and scaffolding companies, we are introducing the Cuplock system. It is a complete system that provides access scaffolding and formwork slab support.

This formwork slab support can be used in a wide variety of applications from light to heavy duty scaffolding and shoring for buildings and other civil engineering work. In addition, no loose fittings are required. A hammer

is the only tool required for erection and dismantling of the system. Several accessories ensure the adaptability of the system to a wide variety of applications.





## Advantages

- It can be used for both scaffolding and shoring systems.
- Minimum supervision is required since the system is rapidly erected and dismantled using the interlocking components which are rigidly secured with two cups. Simply hammered with no need for spanners.
- Due to the lightness of the system

components, all can be easily handled by one man.

- Ledgers are non-load bearing and can therefore be assembled at handrail height on external faces of independent scaffolding, thus offering the additional safety of handrails at all working levels.
- Working levels can be changed

speedily and simply without disturbing the main structure of the scaffold.

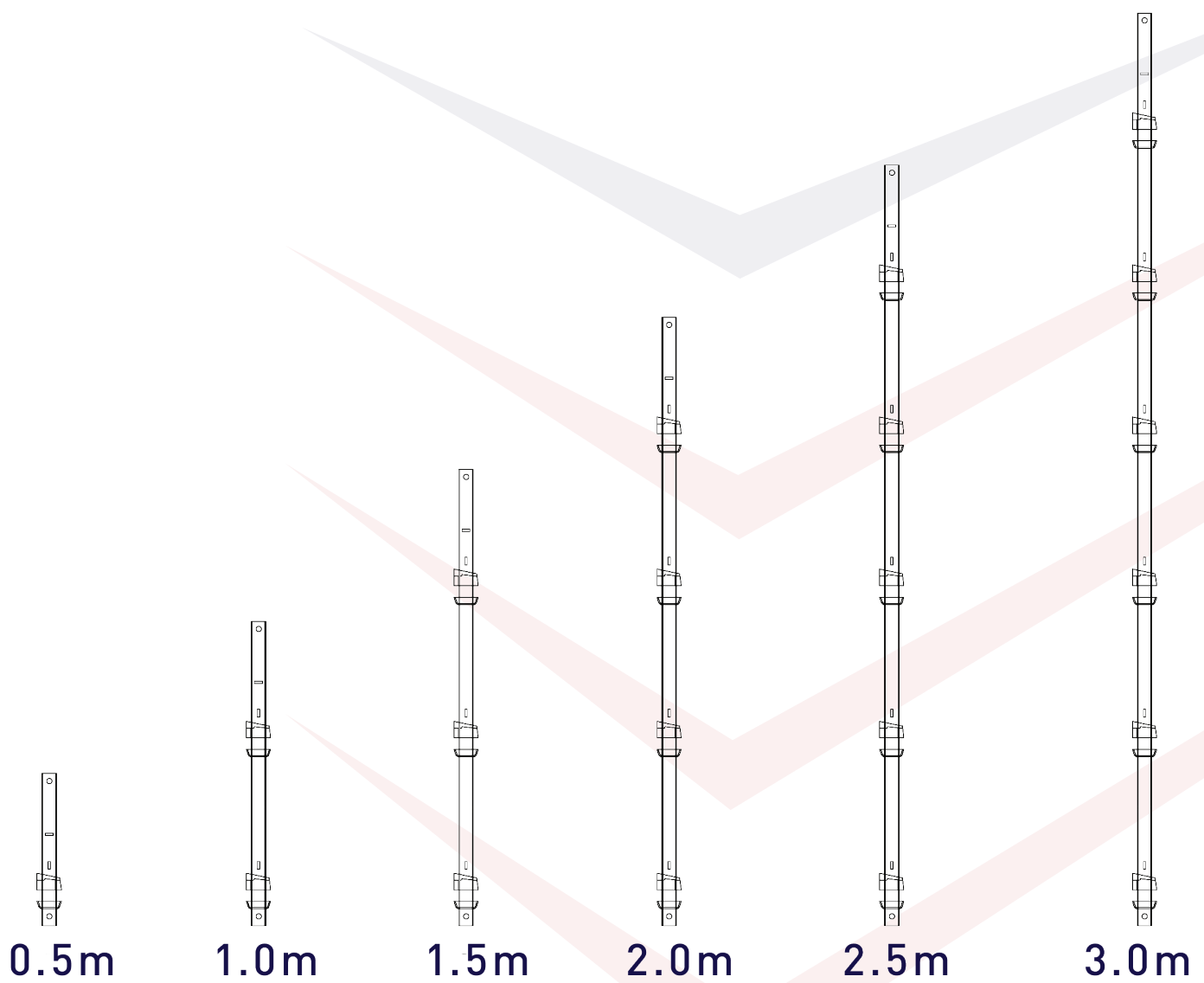
- Cup-lock system components are manufactured from high quality tube having the same outside diameter as the traditional scaffold tube to facilitate tying scaffold to the building.



## Features

### 1- Standards

The standard is the vertical member of cup lock system. It is made from high grade steel tube with outer diameter of 48.3 mm and thickness of 3.2 mm. A series of bottom cups are welded at nominal 500 mm centers and free top cup to ensure providing a safe connection at any direction for the horizontal ledger attachment. Cup-lock sizes vary from 0.5 m to 3.0 m.




## Features

### 2 -Ledger

The ledger is the horizontal member used to connect the standards in both the longitudinal and transversal directions. It is made of the same vertical tube. They are welded together to blade the ends and fit in the bottom cup located in the standard.  
Ledger sizes vary from 0.6 m to 2.4 m.


0.6m



0.9m



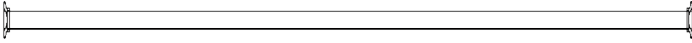
1.2m




1.5m




1.8m



2.1m



2.4m

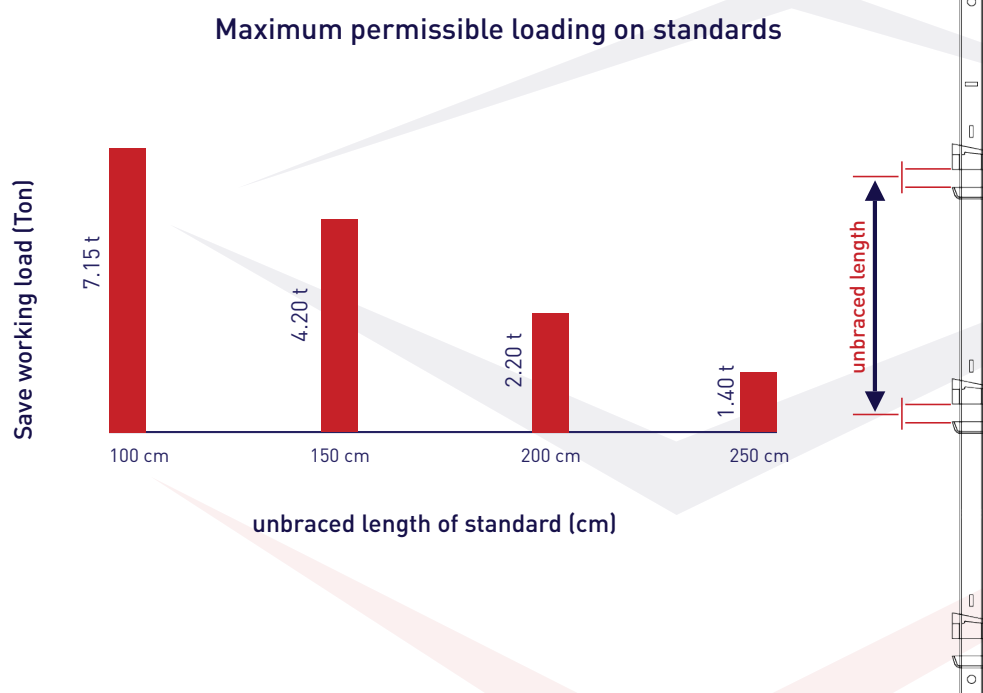




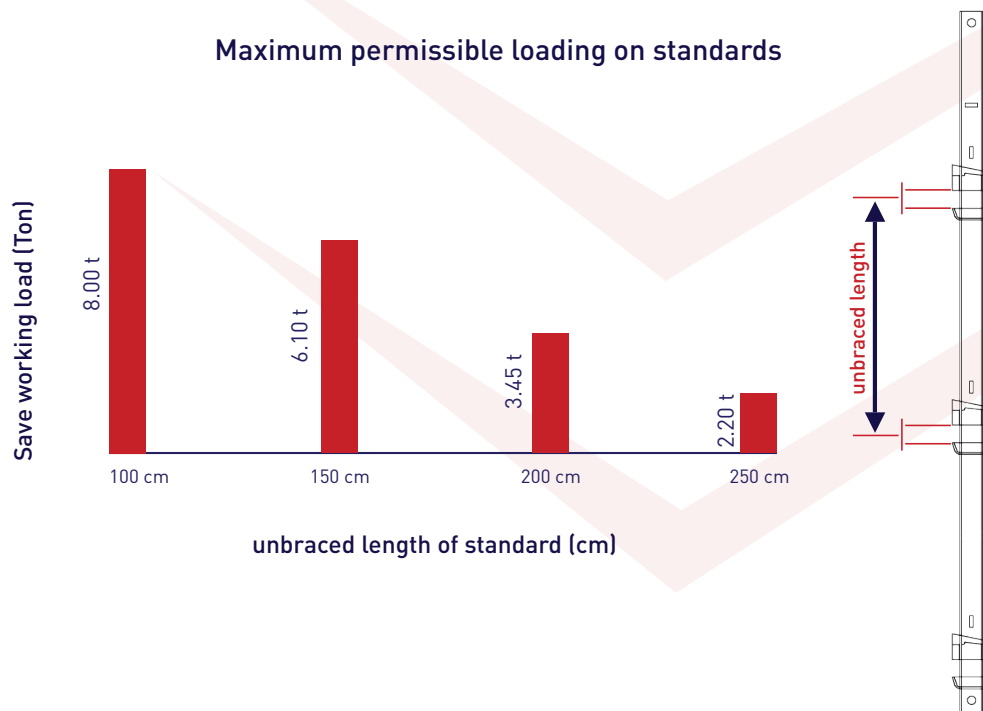
## Cup lock standards loadings

### Technical Data

#### •Restrained From 2 Directions



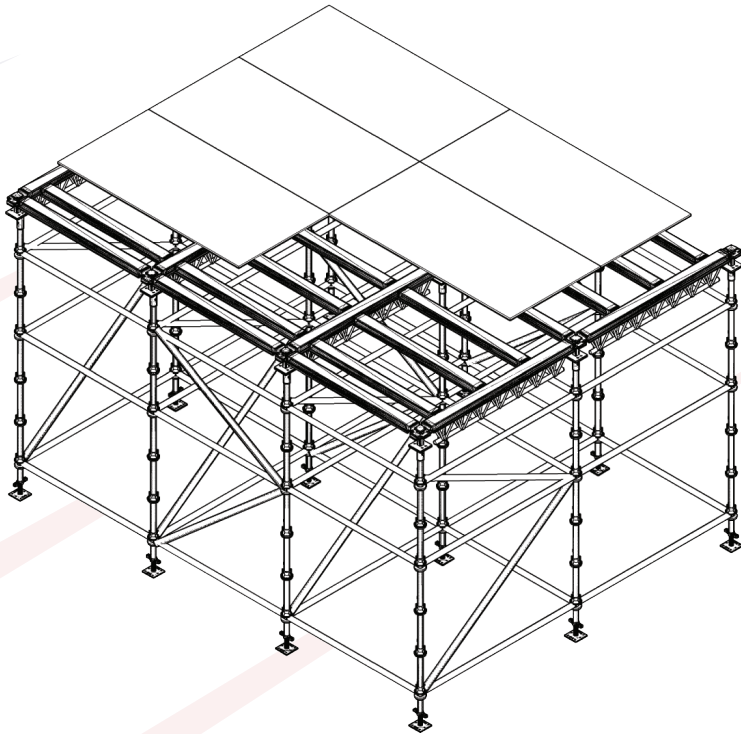
#### •Restrained From 4 Directions



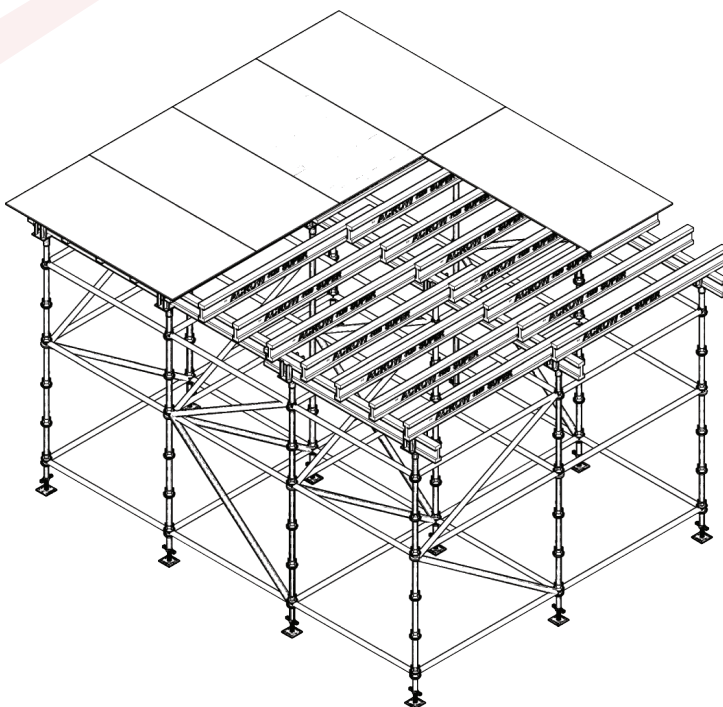
## Application

Cup lock can be applied on the following:

- Early striking system using Cup lock verticals & ledgers, drop heads, decking and infill beams.
- Cup lock and Timber beams.
- Cup lock scaffolding.
- Cup lock staircase.



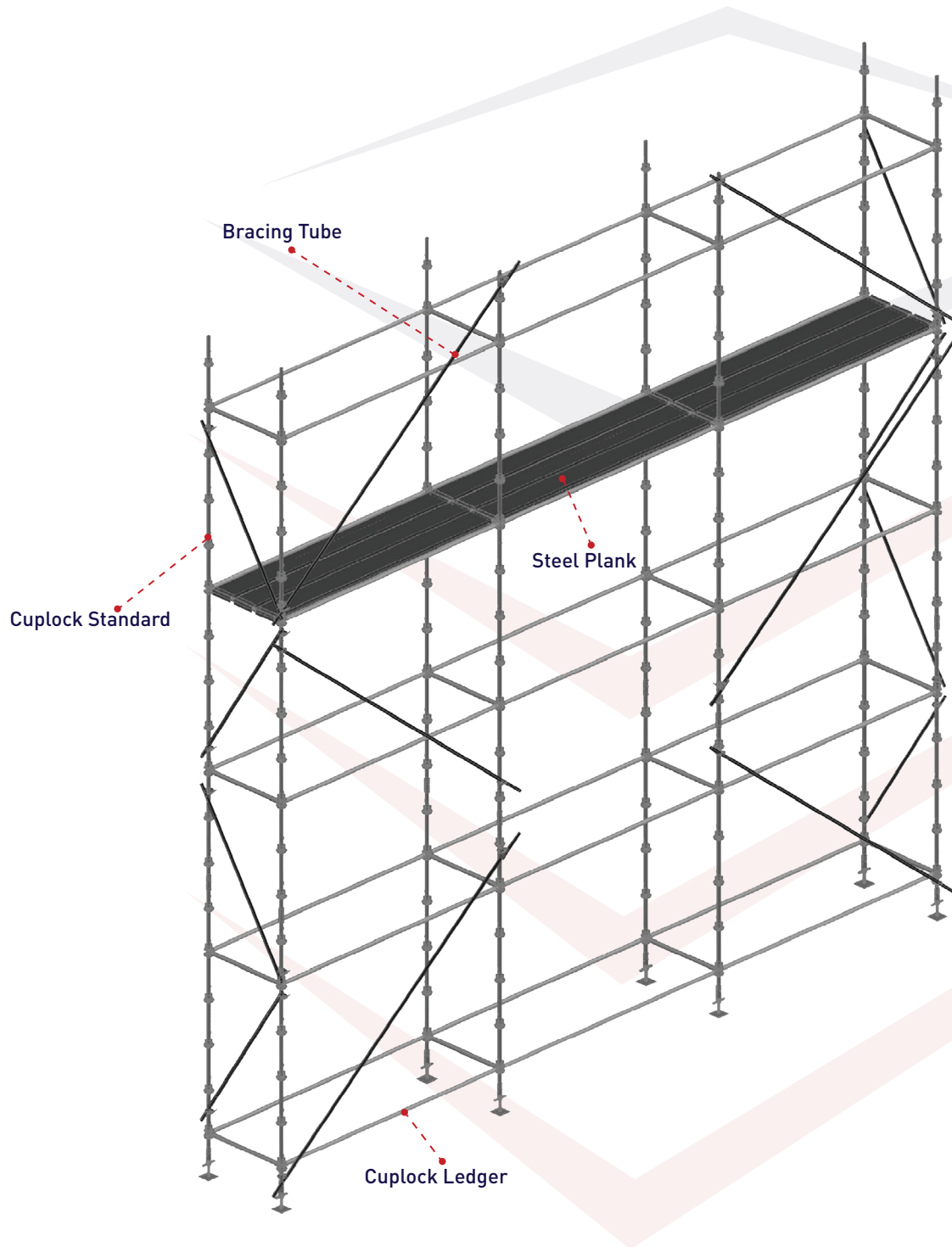
Early striking system



Cup Lock and Timber beams

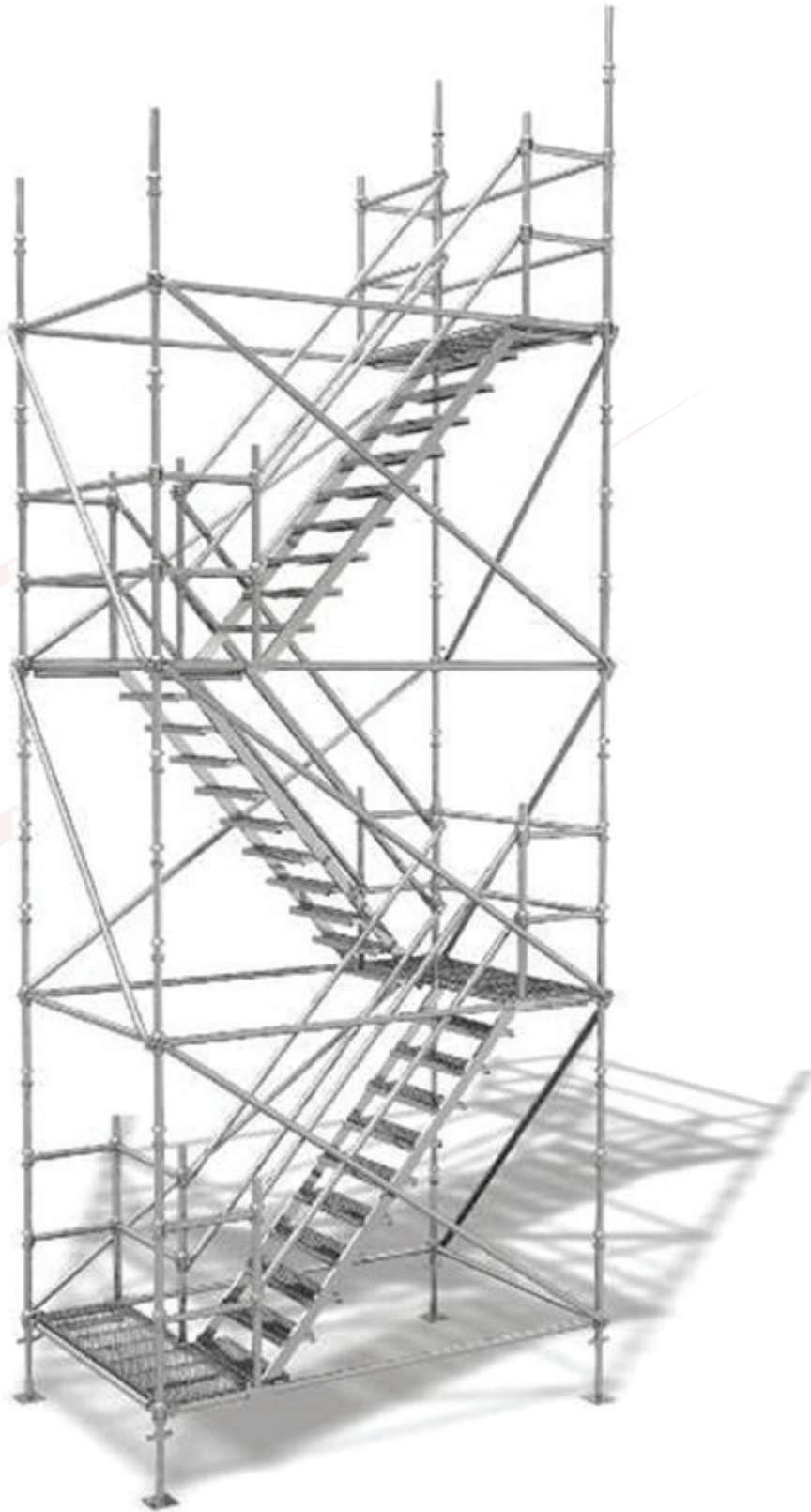
## Applications

### •Cup lock scaffolding

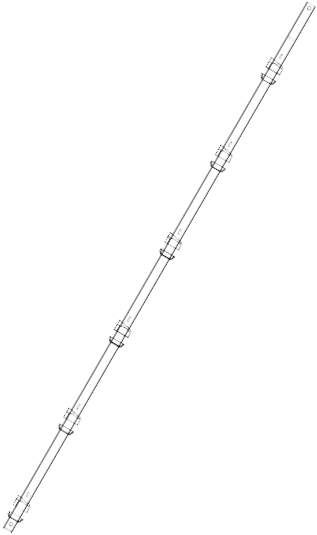
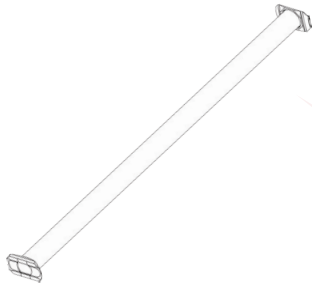



## Applications

- Cup lock staircase


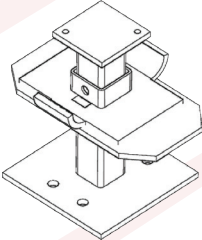
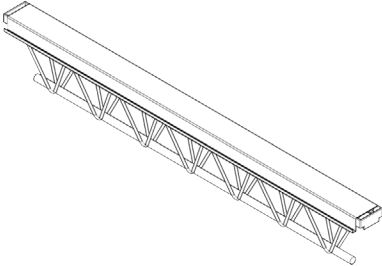


## Component

Item	Description	Code no.	Weight (kg)
	Cup lock vertical		
	3.00m	6221177056070	10.86
	2.50m	6221177056063	9.05
	2.00m	6221177056056	7.25
	1.50m	6221177056049	5.45
	1.00m	6221177056032	3.65
	0.50m	6221177056025	1.825
	Cuplock ledger		
	2.40m	6221177056018	8.34
	2.10m	6221177056001	7.33
	1.80m	6221177055998	6.33
	1.50m	6221177055981	5.32
	1.20m	6221177055974	4.32
	0.90m	6221177055967	3.31
	Cuplock cantiliver bracket 1.20/1.50 m	6221177045050	22.0



Componants

Item	Description	Code no.	Weight (kg)
	Scaffolding Tube ,L=1.00 m	6221177017354	2.85
	Scaffolding Tube,L=1.50 m	6221177017385	4.25
	Scaffolding Tube,L=2.00 m	6221177017392	5.70
	Scaffolding Tube,L=2.50 m	6221177017392	7.25
	Scaffolding Tube,L=3.00 m	6221177017415	8.50
	Scaffolding Tube,L=3.50 m	6221177017422	9.95
	Scaffolding Tube,L=4.00 m	6221177017439	11.40
	Scaffolding Tube,L=4.50 m	6221177017446	12.85
	Scaffolding Tube,L=5.00 m	6221177017453	15.65
	Scaffolding Tube,L=6.00 m	6221177017552	17.10
	Drop head 4-Sides	6221177008970	5.74
	Decking Beam , L =0.9 M	6221177008673	13.25
	Decking Beam , L =1.2 M	6221177008680	14.50
	Decking Beam , L =1.5 M	6221177008697	15.30
	Decking Beam , L =1.8 M	6221177008703	16.65
	Decking Beam , L =2.10 M	6221177008710	22.35
	Decking Beam , L =2.4 M	6221177008727	23.75

## Componentants

Item	Description	Code no.	Weight (kg)
	Infill Beam , L =0.60 M	6221177010508	1.90
	Infill Beam , L =0.90 M	6221177010515	2.95
	Infill Beam , L =1.2 M	6221177010522	3.80
	Infill Beam , L =1.50 M	6221177010539	4.80
	Infill Beam , L =1.80 M	6221177010546	5.75
	Timber H20 L =2.50 m	6221177024062	11.25
	Timber H20 L =2.90 m	6221177024076	13.00
	Timber H20 L =3.30 m	6221177024093	14.85
	Timber H20 L =3.60 m	6221177024109	16.20
	Timber H20 L =3.90 m	6221177024116	17.55
	Timber H20 L =4.50 m	6221177024130	20.22
	Timber H20 L =4.90 m	6221177024147	22.05
	Timber H20 L =5.90 m	6221177024154	26.55
	Acrow U-Head Jack Solid	6221177025922	7.40
	Post Head Jack Solid 34mm (H)	6221177013097	7.10

Componants

Item	Description	Code no.	Weight (kg)
	Plain Base	6221177000851	1.40
	pressed Prop double Coupler	6221177006969	1.40
	presed Prop swivel Coupler	6221177006976	1.25

# ACROW

Formwork Technology



Acrow H20 & solidor



Acrow One shutter solidor



Acrow V.M.C



Acrow Tech-Form



Acrow Cuplock



Acrow Bridge table form



Acrow Circular column



Acrow climbing system



Acrow shorbrace Table form



Acrow Big steel panel



Acrow European prop



Acrow Vari form



Acrow Prop table form



Acrow frame



Acrow early striking system



Acrow Ring lock

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