

Desarch Scaffolding

Scaffolding & Formwork Sales,
Hire & Erection



Company Profile





Welcome

Desarch Scaffolding

Introduction

Ever since the conception of Desarch in 2003, we have engaged in providing premium construction scaffolding and formwork systems for rental and sale across the United Arab Emirates. Our competitive rates make us the primary choice for construction companies, consultants, architects, and engineers.

Our scaffolding and formwork systems provide a safe and multipurpose solution which is easily erected and contains minimal moving parts. This, in turn, effectively reduces costs and time. Our CAD design department further enhances our value engineering efforts by optimizing client scaffolding requirements. We also undertake erection and dismantling of access scaffolding with a team of trained scaffolders.

Introduction

Desarch has specialized in numerous scaffolding and formwork systems which include, but are not limited to, the following:

- Tripod with Aluminium Beams
- Tripod with H20 Timber Beams
- Cuplock with Aluminium Beams
- Cuplock with H20 Timber Beams
- Cuplock with Decking System
- Single-side Wall Shuttering
- Double-side Wall Shuttering
- Column Shuttering
- Aluminium Mobile Towers
- H Frames with Ladder



1 Fix ledger blade ends into lower cup



2 Position the upper cup over the top end of ledger blades



3 Rotate the top cup with hammer to lock the blade ends



4 A simple and secure connection is achieved

- Time saving in erection and dismantling processes
- Secure and robust connection of up to 4 units in a single action
- Easy to erect and dismantle
- Improved efficiency in support and access

Cup-Lock

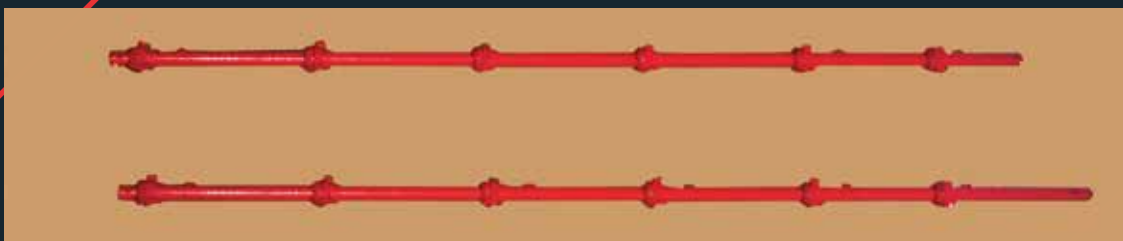
System Components

Standards / Verticals

Verticals are provided in various sizes with cup joints welded at 500mm intervals. The captive mobile top cups are malleable casting intervals. The captive mobile top cups are malleable casting to withstand rough site handling, and welded bottom cups are pressed from high-quality steel. Integral spigots, 150 mm long, are provided at the top of each vertical for making Vertical Connections. These Spigots are drilled to receive locking pins, where uplift is problem.

Standard (Cup-Lock)

Code	Size (m)
ST 3000	3.0
ST 2800	2.8
ST 2500	2.5
ST 2300	2.3
ST 2000	2.0
ST 1800	1.8
ST 1500	1.5
ST 1300	1.3
ST 1000	1.0
ST 0800	0.8



Ledgers / Horizontals

All Horizontals / Ledgers have identical Forged blade ends, with the minimum of projection to avoid damage. Each component locates in the cup joint on the vertical. Ledgers are available in sizes ranging from 0.60m up to 2.50m.

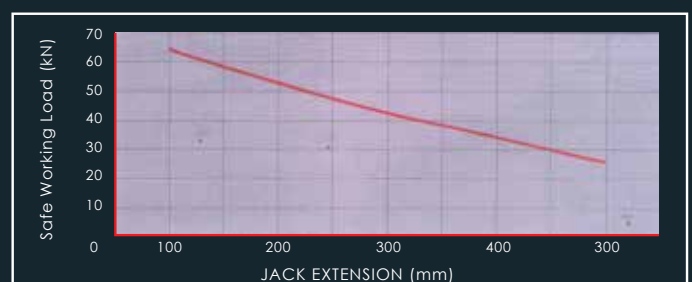
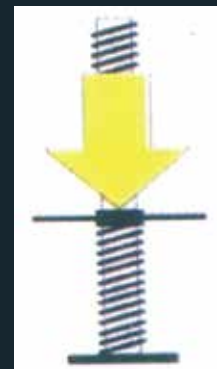
Ledgers (Cup-Lock)

Code	Size (m)
LD 2500	2.5
LD 1800	1.8
LD 1600	1.6
LD 1300	1.3
LD 1200	1.2
LD 1000	1.0
LD 0900	0.9
LD 0600	0.6



Base Jack & Universal Jack

The 80 kN capacity galvanized jack has an adjustment range of over 60 cm. It is manufactured from 38mm outside diameter steel tubes with a rolled thread. The base jack is used at the bottom of the vertical (Standard), while the universal jack is used at the top of the vertical, so the reasonable portion of the jack will always remain inside the vertical for safety. The figure below illustrates the safe working load on tubular Jacks.



Decking Beam

The decking beams are fabricated from high quality steel, are light weight and include a 100mm top flange. The ends are provided with heavy duty pressings to ensure on-site protection from damage. A tongue location has also been provided for seating the drophead.

Effective Lengths (m)	Top Flange Width (mm)	Weight (kg)
1.2	100	12.5
1.8	100	18.1
2.5	100	28.2

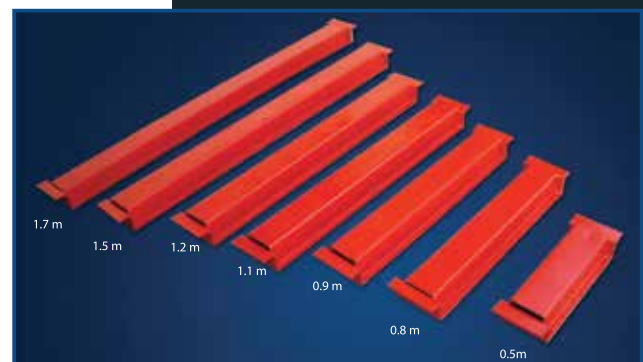


Infill Beam

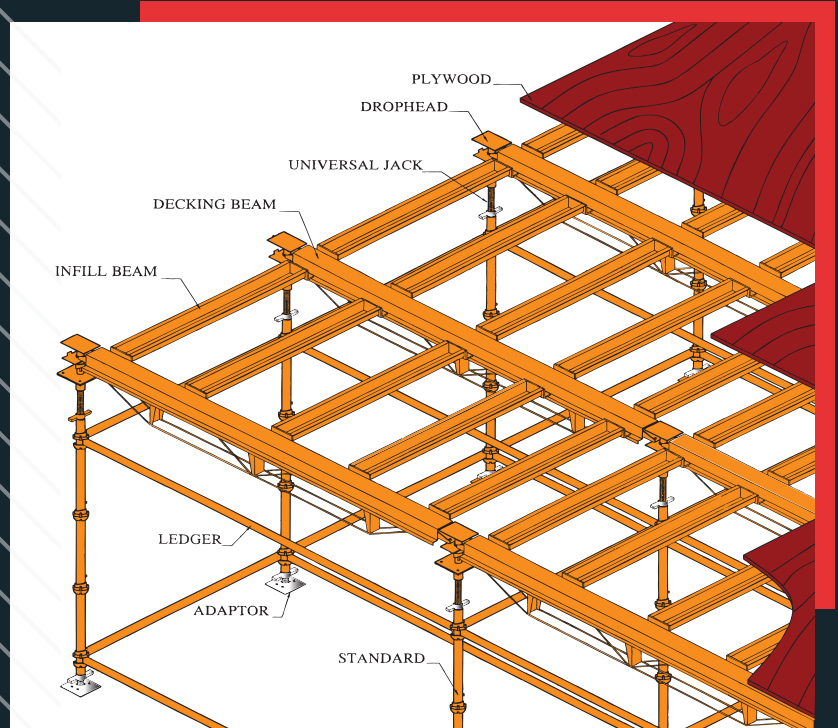
Infill Beams provide skeletal support for plywood decking and are used in conjunction with decking beams. They are available in various lengths.

Available Sizes:

1.7m | 1.5m | 1.2m | 1.1m |
0.9m | 0.8m & 0.5m



Cup Lock Support & Decking Layout



Light Weight Scaffolding

We also provide light weight H-Frame scaffolding for Plastering and painting works.



Props Jacks

Adjustable props are economical and popular instruments used to support the concrete elements. They provide the best temporary supports for all purpose. They are economical to buy, easier and quicker in erection, and provide safe load supporting. The most important part of the props is the threaded portion call the collar. The collar includes a high tensile steel pin. Both were designed to be rust-free and easy to adjust.



They are manufactured in two categories:

Medium Duty Props & Heavy Duty Props

Thickness : 2mm and 3.2 mm

Standard Size : 2.4 mtr. 3.9 mtr.

Customized sizes can be provided.



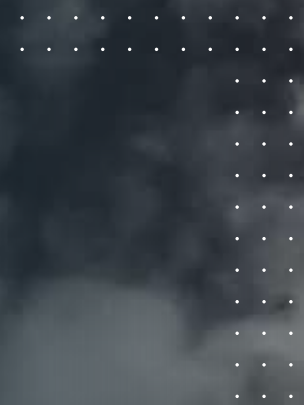
TECHNICAL SPECIFICATIONS

Medium Duty Props

Code	Screw (Threaded Tube) (L/O.D/t) (mm)	Outer Tube (L/O.D/t) (mm)	Inner Tube (L/O.D/t) (mm)	Height of use (mm)		Permissible Load (kg)	
				Min.	Max	Closed	Extended
PRM3000	245 / 60.3 / 3.6	1500 / 60.3 / 2.1	1500 / 48.3 / 2.1	1750	3000	1500	1100
PRM3500	245 / 60.3 / 3.6	1500 / 60.3 / 2.1	2000 / 48.3 / 2.1	2000	3500	1400	950
PRM4000	245 / 60.3 / 3.6	2500 / 60.3 / 2.1	2000 / 48.3 / 2.1	2500	4000	1100	800
PRM5000	245 / 60.3 / 3.6	2500 / 60.3 / 2.1	2500 / 48.3 / 2.1	3000	5000	930	720

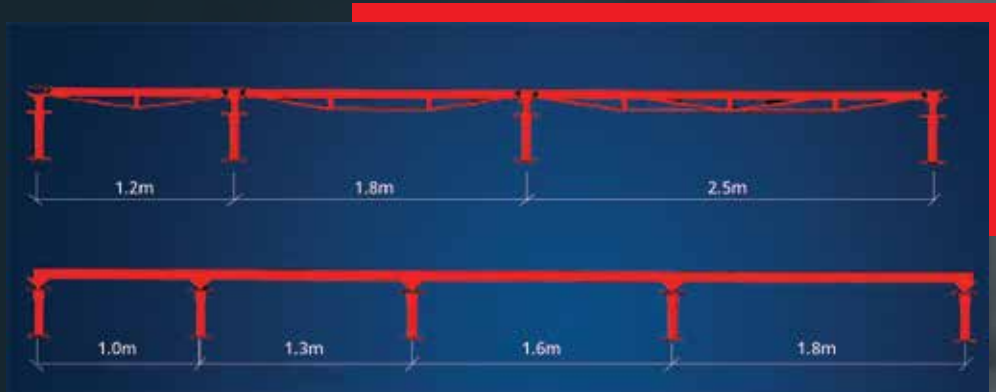
Heavy Duty Props

Code	Description	Outer Tube (L/O.D/t) (mm)	Inner Tube (L/O.D/t) (mm)	Height of use (mm)		Permissible Load (kg)	
				Min.	Max	Closed	Extended
PRH3000	B.S. Prop No.1	1690 / 60.3 / 3.6	1742 / 48.3 / 3.2	1750	3000	3750	1100
PRH3500	B.S. Prop No.2	1820 / 60.3 / 3.6	1890 / 48.3 / 3.2	2000	3500	3500	1650
PRH4000	B.S. Prop No.3	2090 / 60.3 / 3.6	2166 / 48.3 / 3.1	2500	4000	2750	850
PRH5000	B.S. Prop No.4	2500 / 3.6 / 60.3	2650 / 48.3 / 3.1	3000	5000	2500	750



Technical Data - Floor Support Grids

A range of supporting grids or Lock support scaffolding are available on the Beam and Decking infill modules, as shown in the tabular form.



Loading of Grids				
Decking Beam Size (m)	Ledger Size (m)	Area (m ²)	Max. Slab Thickness (cm)	
			Live Load = 200 kg/m ²	
			Solid Slab	Hollow Slab
1.2	0.6	0.72	214.2	267.8
1.2	0.8	0.95	158.7	198.3
1.2	0.9	1.08	140.1	175.2
1.8	0.6	1.08	140.1	175.2
1.2	1.0	1.20	125.3	156.7
1.2	1.1	1.32	113.2	141.5
1.2	1.2	1.44	103.1	128.9
1.8	0.8	1.44	103.1	128.9
2.5	0.6	1.50	98.7	123.3
1.2	1.3	1.55	94.6	118.2
1.8	0.9	1.62	90.8	113.4
1.8	1.0	1.80	80.9	101.1
1.2	1.6	1.92	75.3	94.2
1.8	1.1	1.98	72.8	91.0
2.5	0.8	2.00	72.0	90.0
1.2	1.8	2.16	66.1	82.6
1.8	1.2	2.16	66.1	82.6
2.5	0.9	2.25	63.1	78.9
1.8	1.3	2.34	60.4	75.5
2.5	1.0	2.50	56.0	70.0
2.5	1.1	2.75	50.2	62.7
1.8	1.6	2.88	47.5	59.4
2.5	1.2	3.00	45.3	56.7
1.8	1.8	3.24	41.4	51.7
2.5	1.3	3.25	41.2	51.5
2.5	1.6	4.00	32.0	40.0
2.5	1.8	4.50	27.5	34.4

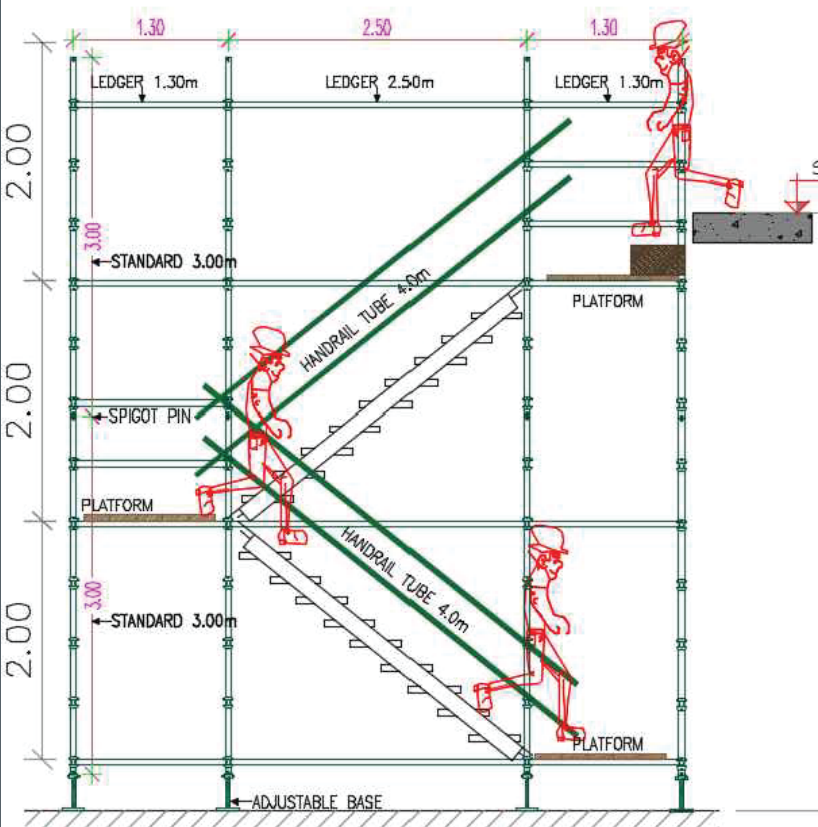
-Concrete Unit Weight (Solid) = 2500kg/m³ -Concrete Unit Weight (Hollow) = 2000kg/m³

List of Major Clients/ Consultants

NO	CONSULTANT	PROJECT
1	DESIGN CENTER	B+M+2+HIC RES BULDG AT AL KARAMA DUBAI
2	NEXT ENGINEERING	GRD+MEZZ+ 2YO FLOOR COMM+OFFICE & RES BULDG AT AL KHABAISI,DUBAI.
3	GAJ ARCHITECTURAL & CIVIL ENG	GEMS INTERNATIONAL (G+2) SCHOOL AL KHAIL
4	AL ABDOOLI ENG CONSULTANT	ISLAMIN AFFAIRS MOUSQUE AT WADI ALAMADI
5	ROKN AL HANDASA CONT ENG	GROUND +6 BULDG AL WARQA FIRST
6	ABUL RAHIM ARCHIT CONSULTANT	GRD+ 2 FLOOR COMM+OFFICE
7	ARC INTARNATIONAL ENG CONSULTANT	BIRDS MARKET COMPLEX AT WARSAN THIRD
8	BARAJEEL ENGINEERING CONSULTANT	7 RESIDENTIAL BULD IN SPORTS CITY
9	TEO A KHING DESIGN CONSTANT	DELOPMENT & CONST OF MEYDAN BUSINESS PARK
10	PARADISE HOME ENGINEERING	GRD FLOOR+FOOF SHOPPING MALL AT UMM AL SHEIF
11	TRANSCO	132/33KV SUBSTATION AT SUDHA PORT IN FUJAIRAH
12	ARCHGROUP	MIRATES PARK TOWER HOTEL AT BUSINESS BAY
13	HOLFORD ASSOCIATES	3B+G+M+3 UPPER COMM &OFFICE BULD FOR
14	EMKAAN ENG CONSULTANT	2B+G+4+GYM COMMERCIAL BULDG @MIRDIF
15	OBE CONSULTANT	DP WORLD
16	ELITE ENGINEERING CONSULTANT	HOTEL 2B +G+3+ PENTA HOR AL ANZ
17	RENDERES ENGINEERING	B+G+4 ROOF BULD @ AL WARQA
18	WINNER CONSULTANT & ENGG	G+4 FLLOR LABOUR ACCOMODATION AT DIP
19	ARCHGROUP	G+9 BULDG GUSAIS
20	HALCROW	OASIS CENTER, SHAIKH ZAYED ROAD
21	EMKAAN ENGINEERING CONSULTANT	CENTRAL WAREHOUSE JEBEL ALI
22	OBE CONSULTANT	WORKSHOP AT RAK
23	ARCHDOME ENGINEERING CONSULTANT	COMMERCIAL @OFFICE BULDG
24	HALCROW	MUNICIPALTY BULDG AT SHARJHA
25	ARCHGROUP	CENTRAL WAREHOUSE JEBEL ALI
26	DAR AL OMRAN ENGINEERING CONSULTANT	UNION CO-OPERATIVE SOCIETY
27	NATIONAL ENGINEERING BUREAU	MIXED USED BUILDING 4B+G+H.C+40F+ROOF @JLT
28	U+A CONSULTANTS	THE MIDTOWN @IMPZ
29	AL TURATH ENGINEERING CONSULTANTS	PROP.B+G+6TF RES.DEV.@AL BARSHA
30	F.A. BAKER CONSULTANTS	PROP.RES. BULD.B+G+P+TF+R @AL RAFFA
31	ARCADIS DESIGN & CONSULTANCY	ENOC FUTURISTIC RETAIL EXPO 2020
30	AL DANA ENGINEERING CONSULTANTS	COMMERCIAL BUILDING @JABAL ALI IND 1ST



Staircase Access Tower



H- Frame





Aluminium Mobile Tower

We also provide Aluminium Mobile Towers on hire for MEP/ Interior works. Available in sizes from 2m to 15m high

H2O Wooden Beams

H2O beams are also available in various sizes ranging from 1m to 5.9 m.



Scaffolding Wooden Boards

The Scaffolding wooden boards are imported from Austria & Sweden. The Boards are kiln dried and end-banded with G.I. end-bands on both ends and are manufactured as per BS:2482

Optimo

Formworks

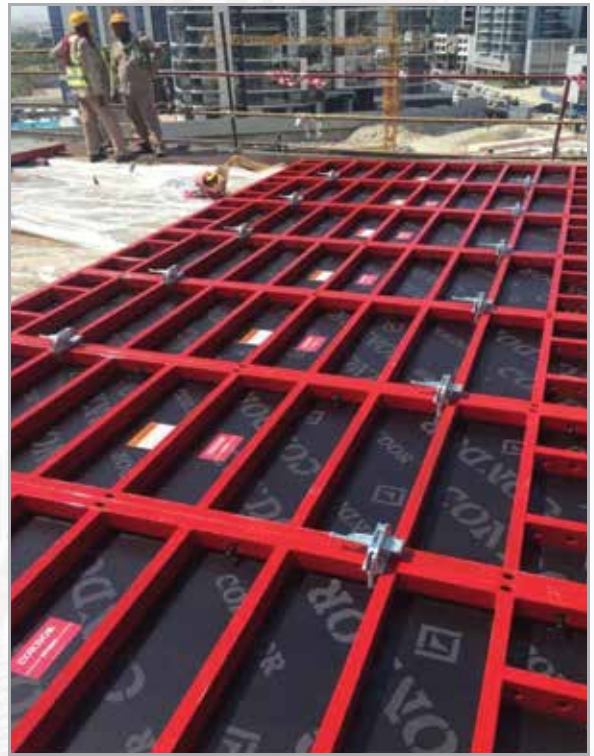
Optimo formwork include in one single system lightness, thanks to the 10cm frame, durability, thanks to the 18mm plywood, 60 kN/sqm supported casting pressure and versatility of usage thanks to the wide range of accessories.

Available in **hot-dip galvanized** and **Painted** version with various types of Plywood:

- Finnish birch plywood with phenolic coating
- Finnish birch plywood with polyolefin based plastic coating (LONGLIFE)
- Advanced foam technology PVC



Optimo



Eco Formwork System

(Steel Panel)

Column Shutter

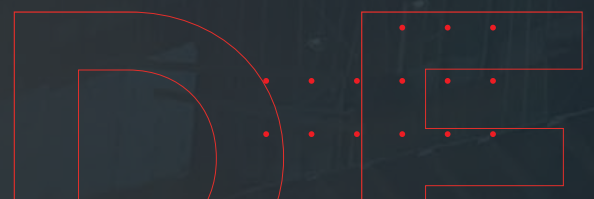
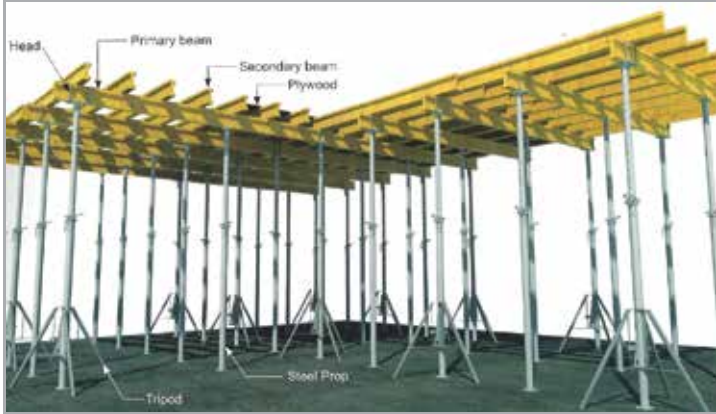




Wall Formwork

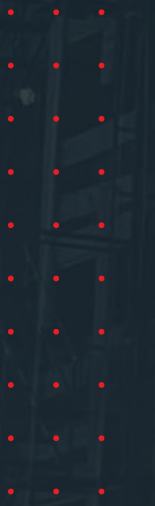


Tripod System





Column Formwork (Water System)





Cuplock System ▶ ▶ ▶ ▶ ▶



DESARCA

Stocks in Warehouse



Thanks to
Explore us.



Head Office

Desarch Building Contracting L.L.C
P.O. Box : 71957, Dubai, U.A.E.
Tel : +971 4 3337012
Fax: +971 4 3337154

Abu Dhabi Branch

Desarch Building Contracting L.L.C
P.O. Box : 92269, Abu Dhabi, U.A.E.
Tel : +971 2 5538330
Fax : +971 2 5538331

Ajman Branch

Desarch Scaffolding L.L.C
P.O. Box : 2611 Ajman, U.A.E.
Tel : +971 6 5396655
Fax : +971 6 5396672