CONMELIUS
construct better life

ALEK-DECK Formwork

Handset and flexible slab panel formwork



Slab formwork

AlekDeck

A light and flexible aluminum frame panel slab formwork



AlekDeck is a light modular slab formwork system, provide the fastest construction cycling times with slab thicknesses up to 700mm. System is developed for easy assembly, transportation and maintenance, with the minimum types and weight of components.

Technical data:

- Max. panel weight : 29.5 kgs
- C-head weight: 2.1 kgs (general shoring head)
- D-head weight: 8.1 kgs (drophead)
- Max. slab tickness: 700mm
- Max. Panel size: 1800 x 900 mm
- Shuttering thickness: 9mm



1800 X 900 mm

29.5 kgs

AlekDeck

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Speed up the construction workflow with a light and modular panel formwork with drophead and flexible deck beams

Lightweight

Aluminum panel frame, D-head, as well as aluminum muti-purpose shoring, provide minimum components weight thus decrease workers' headset loads.

Minimum components

Minimum components types and sizes, filler beams flexible, allow single-person handling and assembly of about 40 m^2 per worker-hour.

Speed up workflow

One D-heads secures up to four panel corners at once, preventing movement and grout loss at joints, drophead with beams to shorten cycling constrtuction times for each floor

Slab Capacity

Standard capacity reaches 700 mm, extendable to 900 mm locally with additional props and plywood.

Light

Modular

Efficient

Durable

AlekDeck

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Connection features



C-head



- One head secures up to four panel corners at once
- Preventing movement and grout loss at joints
- Alumilum heads provide minimum weight

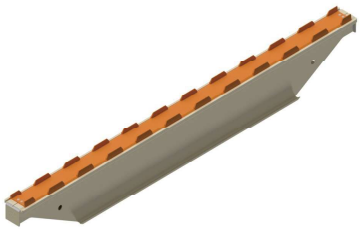


D-Head with deck beam

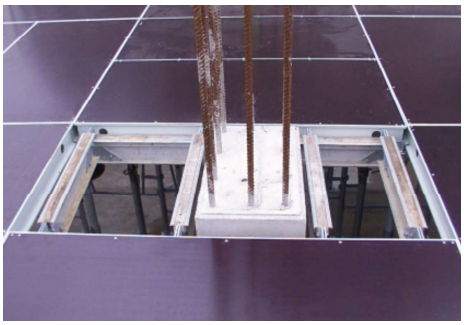




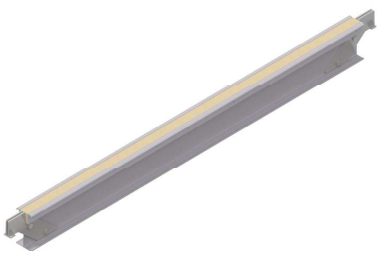
- Boost construction workflow by early striping
- Increase assebly speed with deck beam



Filler beams



- Easily fill gap toward column and wall
- Shift main and secondary beams flexiblly



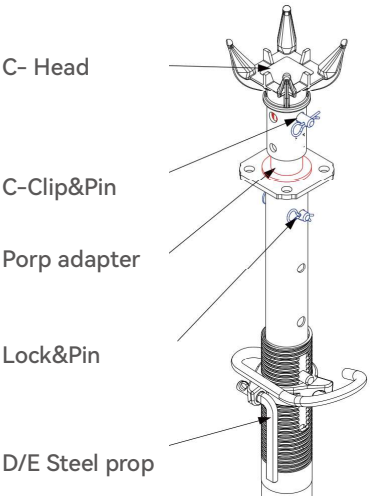
Shoring solution

Spacing truss with steeel props

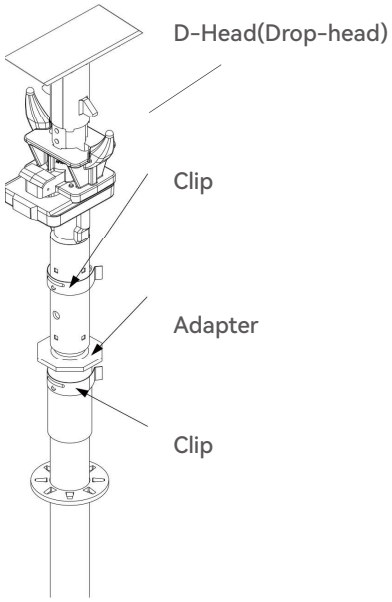




C-head solution



D-head solution (Earlystrip)



Ringlock scaffolding





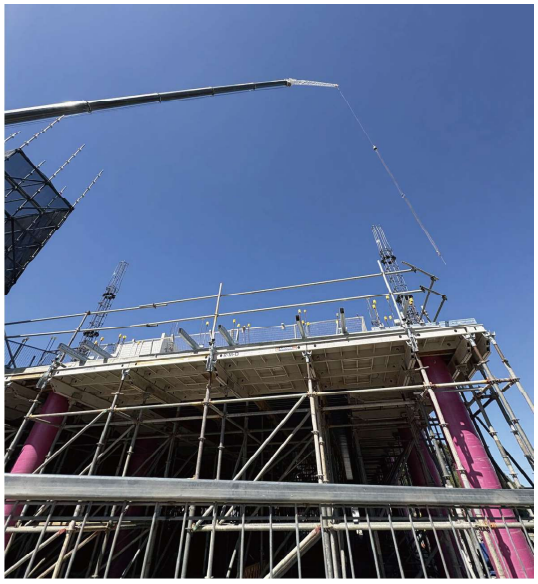
● Suggested when floor height above 4500mm

AlekDeck

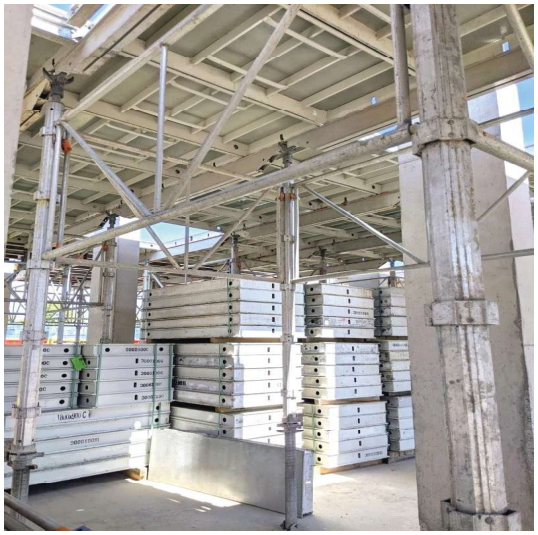
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Project reference



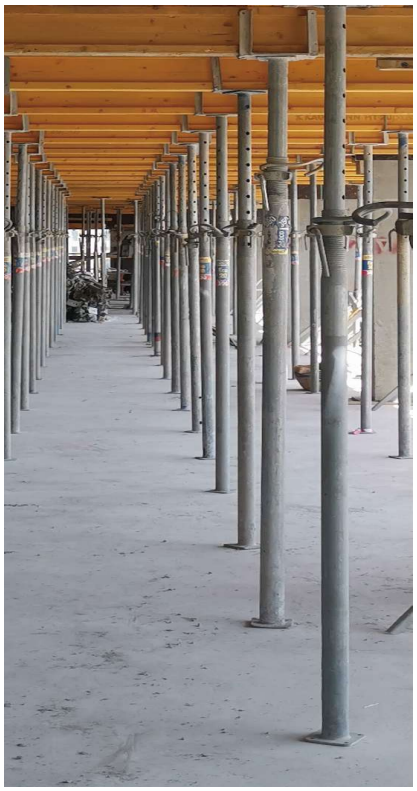








Heavy Duty Prop EN-D

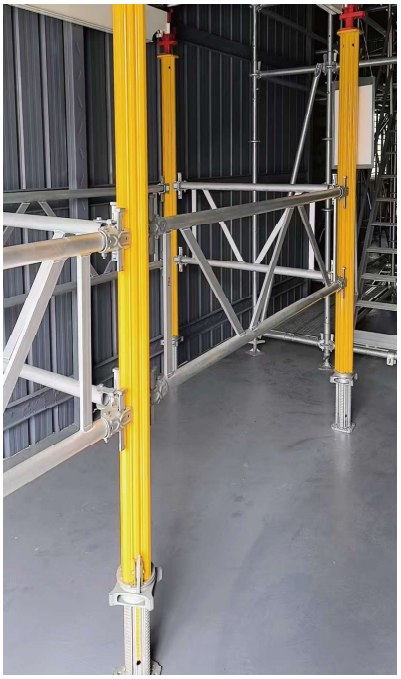


Technical Specifications

Main Material: STEEL (S355)

ITEM	Length Min.	Length Max.	Weight	Load Min.	Load Max.
Unit:	mm	mm	kgs	kN	kN
ED 450	2500	4500	26.5	20	35
ED 400	2250	4000	24.2	20	35
ED 350	1965	3500	20.8	20	35
ED 300	1710	3000	18.5	20	35
ED 250	1450	2500	16.4	20	35

Multi-purpose Prop



Technical Specifications

Main Material: Aluminium alloy (6061-T6)

ITEM	Length Min.	Length Max.	Weight	Load Min.	Load Max.
Unit:	mm	mm	kgs	kN	kN
MP 625	4300	6250	30.2	20	56
MP 480	2600	4800	23.8	25	85
MP 350	1950	3500	18.7	42	88
MP 250	1450	2500	15	60	70
MP 120	800	1200	9.5	70	90

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CONMELIUS (Suzhou) Technology Ltd.

www.conmelius.com

Add: No. 1500, Donghuan Road, Suzhou Industrial Park, Jiangsu, China

Email: info@conmelius.com

Phone: +86 186 1671 0921