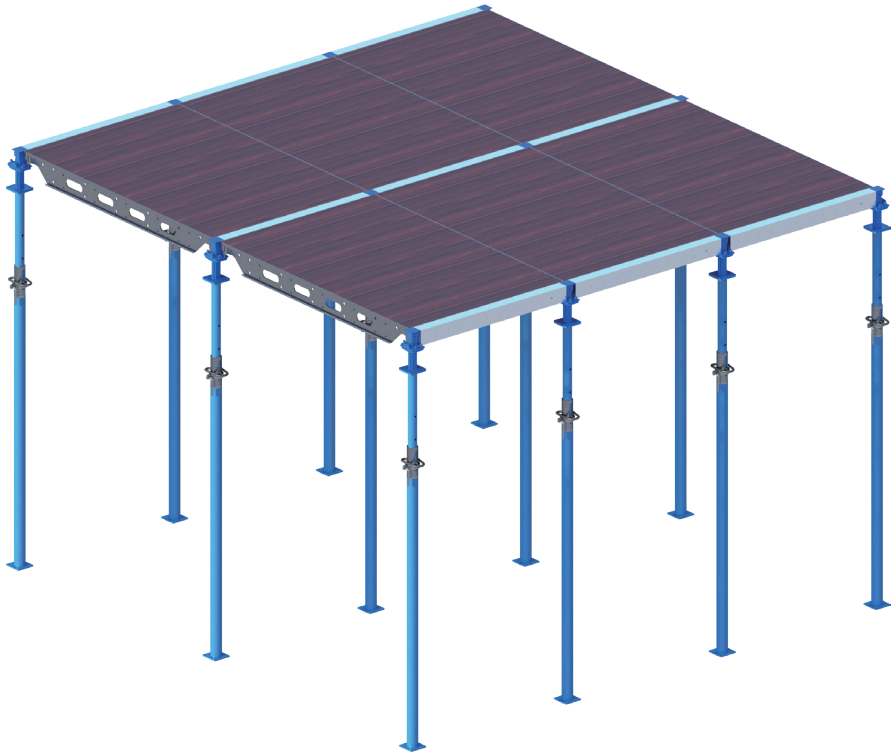
Rapid Green Slabform

MODULAR SLAB FORMWORK





SUPPORT HEAD SYSTEM

Fixed support heads

DROP HEAD SYSTEM

Drop heads for early striking

PRODUCT OVERVIEW

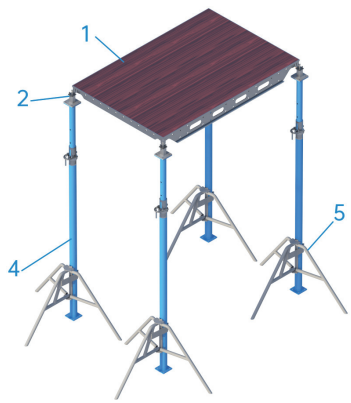
Rapid Green Slabform

RAPID Green Slabform is a highly versatile modular formwork system, particularly suited to beamless flat slabs. It is ideal for a wide range of applications, including car parks, hotels, office buildings and other commercial construction projects.

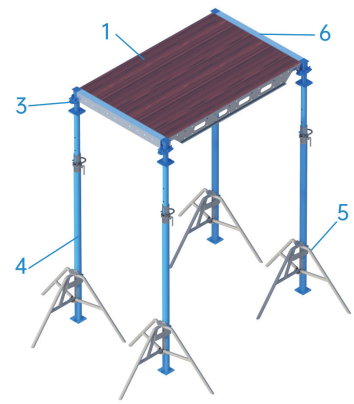
The system consists of Steel Props, Support Heads, Drop Heads and panels. By selecting either Support Heads or Drop Heads, the system can be configured for Support Head operations or Drop Head operations.

This flexible design allows a single basic set of system components to accommodate different construction methods and project requirements, reducing the need for separate equipment and helping to lower overall construction costs.

With its modular configuration, simple handling and flexible application options, RAPID Green Slabform provides an efficient and economical solution for modern flat-slab construction.



Support Head System



Drop Head System

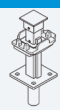
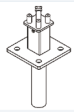
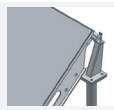
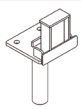
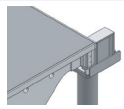
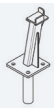
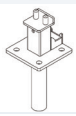
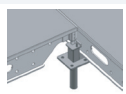
1 Panel
2 Support Head
3 Drop Head
4 Steel Prop
5 Removable Folding Tripods
6 Closure Panel

PARAMETER	RAPID GREEN SLABFORM
Panel width (mm)	900 / 1200
Panel length (mm)	1200 / 1800
Aluminium frame height (mm)	165
Form Lining Material	6061-T6
Form-facing material	Poplar - eucalyptus plywood
Form Lining Thickness (mm)	12
Concrete slab thickness (mm)	≤450mm

PRODUCT OVERVIEW

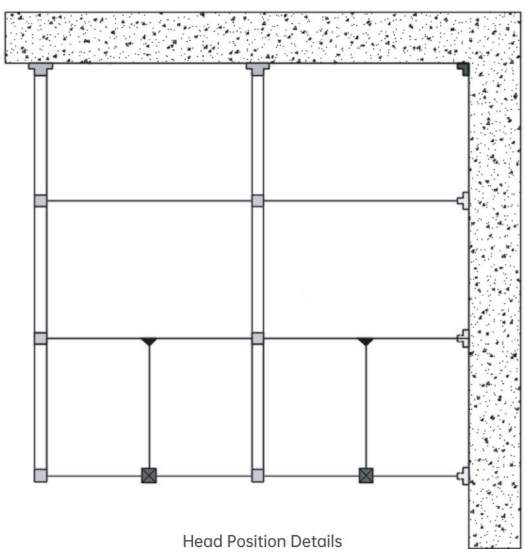
Heads and positions

The system includes six types of heads: Drop Head, Support Head, Edge Head, Edge Fill Head, Corner Head and T-Head.

TYPE	PRODUCT	APPLICATION	KEY	FUNCTION
Drop Head				Equipped with a movable support mechanism, available with either a removable wedge/pin arrangement or a screw-type height-adjustment mechanism.
Support Head				Standard fixed Support Head with no vertical movement function.
Edge Head				Used to support panels along a wall or structure edge.
Edge Fill Head				Used along a wall or structure edge where a Closure Panel is required.
Corner Head				Used to support panels at corners.
T-Head				Used to support the intersection between transverse and longitudinal panel members.

The heads are used for either conventional stripping or early-striking applications. The connection interface at the top of the Steel Prop is identical for all heads, allowing the heads to be interchanged directly.

HEAD POSITION DETAILS



Head Position Details



Corner Head

Edge Head

Edge Fill Head

Drop Head

Support Head

T-Head

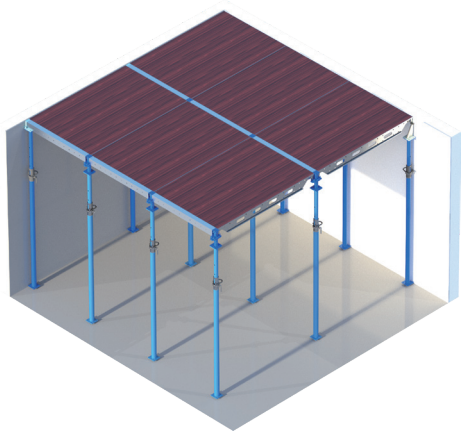
PRODUCT OVERVIEW

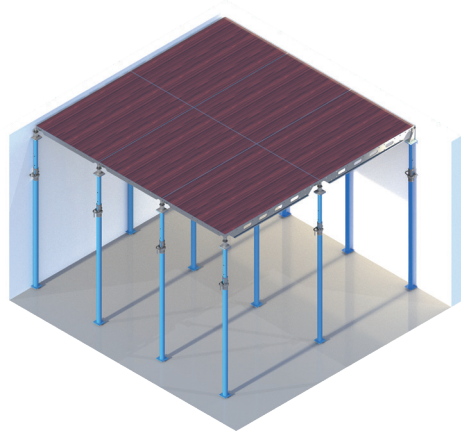
Head function and stripping

The head is the key connection between the Steel Prop and the panel. An integral anti-liftout device automatically locks the panel when it is engaged, preventing accidental disengagement.

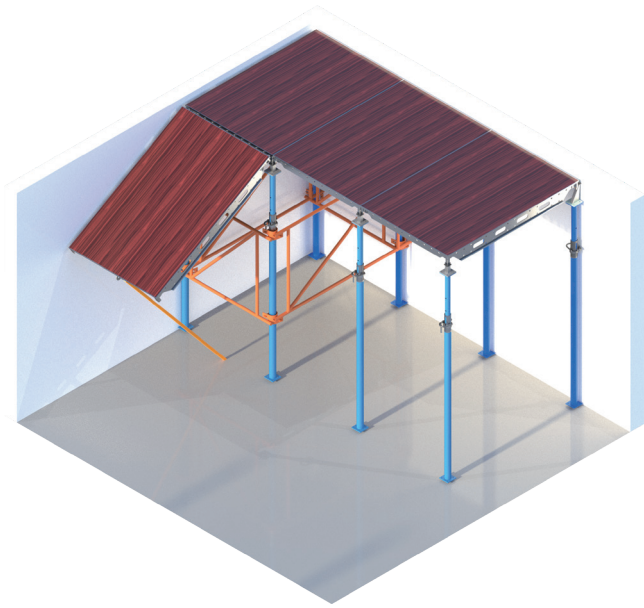
When installing the Drop Head, use the specified fasteners to connect the head flange to the flange at the top of the Steel Prop. The Drop Head is activated by striking the movable support component with a hammer, lowering the supported panel by 70 mm. Once the panel has separated from the underside of the concrete slab, the panels can be transferred for reuse while the Steel Props remain in place to continue supporting the slab until the concrete reaches the required design strength.

SLABFORM SYSTEM VIEWS





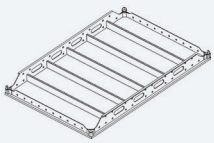
PANEL REMOVAL ILLUSTRATION



COMPONENT CATALOGUE

Panels, heads and props

FORMWORK PANELS

COMPONENT	SPECIFICATION (mm)	WEIGHT (kg)
 Panel	900×1200 900×1800 1200×1200 1200×1800	**21.22** **30.57** **26.02** **36.99**

HEADS

COMPONENT		SPECIFICATION (mm)	WEIGHT (kg)
	Drop Head	120 × 120	**4.42**
	Support Head	120 × 120	**1.82**
	Edge Head	120 × 120	**4.2**
	Edge Fill Head	120 × 120	**2.2**
	Corner Head	120 × 120	**4.5**
	T-Head	120 × 120	**2.1**

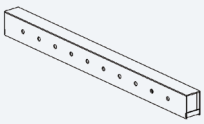
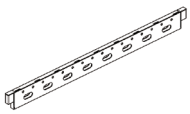
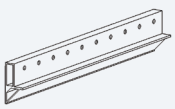
SUPPORT EQUIPMENT

COMPONENT		SPECIFICATION (mm)	WEIGHT (kg)
	Steel Prop	B35(60-48) D40(76-63) E40(83-72)	**15.6** **23.2** **26.6**
	Removable Folding Tripods	1000 × 1000	**13.0**

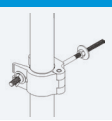
COMPONENT CATALOGUE

Beams and accessories

EDGE AND INFILL COMPONENTS

COMPONENT		SPECIFICATION (mm)	WEIGHT (kg)
	**Closure Panel**	900 1200 1800	**2.7** **3.57** **5.3**
	**Infill Beam**	900 1200 1800	**14.3** **17.6** **21.0**
	**Edge Beam**	900 1200 1800	**2.6** **3.4** **5.0**
	**Truss**	900 × 1000 1200 × 1000 1800 × 1000	**13.51** **16.95** **20.88**

ACCESS AND ASSEMBLY

COMPONENT		SPECIFICATION (mm)	WEIGHT (kg)
	**Wall Tie**	300	**1.0**
	**Handrail Post**	500	**2.6**
	**Handrail**	/	/
	**Assembling Tool**	2800	**7.32**

COMPANY PROFILE

RAPID Formwork & Scaffolding Co., Ltd. is a leading enterprise in China's scaffolding industry. Since its establishment in 2004, Rapid has been constantly growing and embracing new challenges. Its continuous success stems from its emphasis on customers and employees, as well as its commitment to service, performance and quality. We are not only experts in the design and manufacture of various types of scaffolding, but also dedicated to the professional field of formwork development. Our main scaffolding products include ringlock, octagonallock, cuplock, kwikstage, Haky, frames, props, etc. Our main formwork products include WallForm,ColuForm,TableForm such as our Matrix85,Pixel/ Flexi 92,Pixel/ Flexi 120,Timber,Cylindro,Cantipro, AutoClimb, etc.

Rapid takes pride in having a team of experienced and fully qualified engineering and technical experts. According to the different needs of customers, we can provide comprehensive scaffolding and formwork design services. We offer one-stop service for any project. We have an experienced production team that always maintains the highest standards at every stage of production. Automated welding and robot welding systems are widely used.

2004
Year Established

2
Production Bases(Wuxi & Tangshan)

80000m²
Total Area

75000 Tons
Annual Production Capacity

89 +
Countries and Regions Served


RAPID FORMWORK & SCAFFOLDING CO.,LTD.



SINGAPORE: RAPID (S.E.A.) ENGINEERING PTE. LTD.


MALAYSIA: RAPID SEA ENGINEERING SDN. BHD.


UAE: RAPID FORMWORK AND SCAFFOLDING L.L.C


AUS: RAPID FORMWORK & SCAFFOLDING AU PTY LTD





Engineering expertise. Reliable manufacturing. Local support for global projects.

We have a complete 6S quality control system to ensure high product quality and the timely completion of all processes. Rapid has obtained LEED,ISO9001,ISO14001,ISO45001,EN-1090 and DIBT certifications. Its products hold various certificates including EN-12811, EN1004, AS/NZS1576.2, MS1462, JIS, and CIDB.


EN 12811


EN12810


EN1004


AS1576



EN 1090



EN ISO 3834



ISO 9001



ISO 14001



ISO 45001

Engineering Service
Professional design and customized solutions

Manufacturing
Advanced production and strict quality control

Quality Assurance
International standards and certified products

Global Business
Local support and reliable service

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