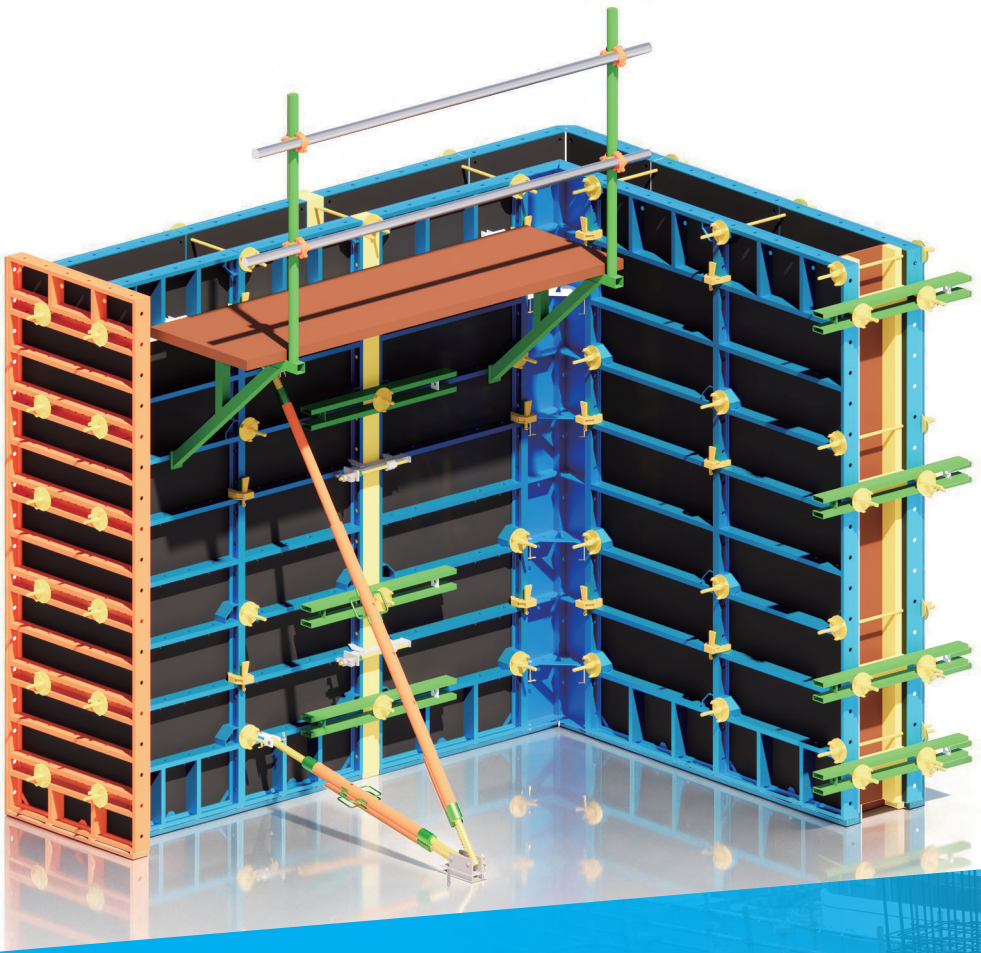
Rapid Flexi92 & Pixel92

STEEL FORMWORK



FLEXI92 WALLFORM

92 mm steel frame wall panels

PIXEL92 COLUFORM

Adjustable column formwork

APPLICATIONS

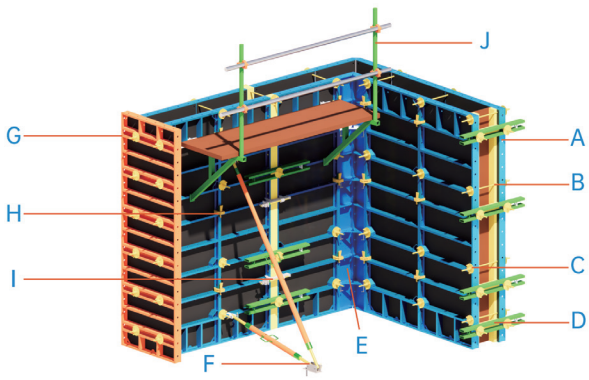
Wall and column assemblies

FLEXI92 WALLFORM

The Rapid Flexi92 WallForm system is designed for light-duty applications. It offers flexible installation methods: panels can be assembled manually on site or pre-assembled into standard gangs for lifting as larger units, significantly improving construction efficiency.

The system is suitable for cast-in-place concrete walls, foundations and lift-shaft structures in residential buildings, hospitals, office buildings and similar projects.

Boundary condition: maximum formwork height 6.00 m. Projects outside these limits require project-specific design.

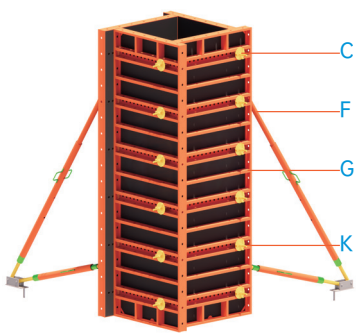


- A Flexi92 WallForm
- B D15 Tie Rod
- C D15 Wing Nut
- D Universal Waling
- E Inside Corner
- F Push - Pull Prop
- G Pixel92 ColuForm
- H Panel Clamp
- I Adjustable Clamp
- J Walking Bracket

PIXEL92 COLUFORM

The Rapid Pixel92 ColuForm column formwork system is designed for light-duty applications. Column cross-sections can be adjusted in 50 mm increments without re-assembling the complete formwork set.

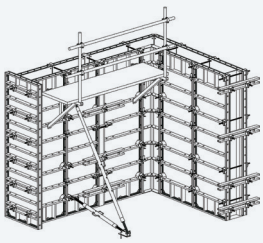
The system is suitable for cast-in-place concrete walls, foundations and lift-shaft structures in residential buildings, hospitals, office buildings and similar projects.



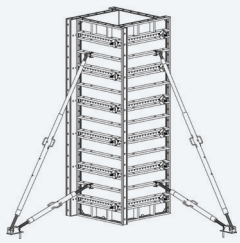
- C D15 Wing Nut
- F Push - Pull Prop
- G Pixel92 ColuForm
- K Tension Bolt

TECHNICAL DATA

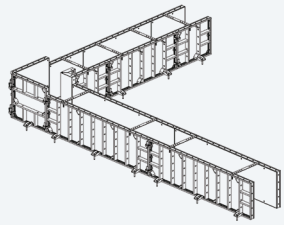
System specifications



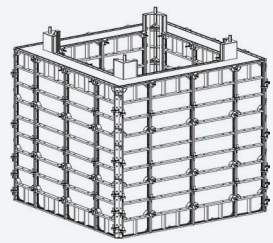
Wall



Column



Strip footing



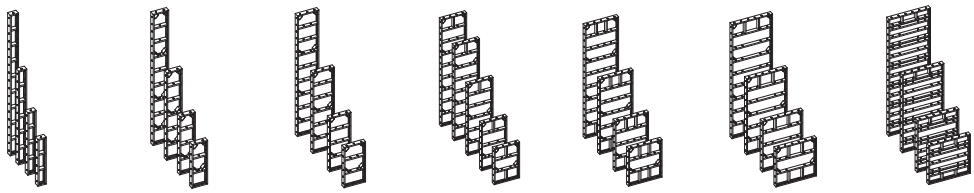
Lift shaft

PARAMETER	FLEXI92 WALLFORM	PIXEL92 COLUFORM
Panel Widths (mm)	150 / 300 / 450 / 600 / 750 / 900	900
Panel Heights (mm)	900 / 1200 / 1800 / 2700	600 / 900 / 1200 / 1800 / 2700
Profile Depth (mm)	92	92
Adjustment Step (mm)	-	50
Column Size (mm)	-	150 × 150 to 800 × 800
Corrosion Protection	Powder coating / hot-dip galvanizing	Powder coating / hot-dip galvanizing
Form Lining Material	Poplar - eucalyptus plywood	Poplar - eucalyptus plywood
Form Lining Thickness (mm)	15	15
Standard Connection	Standard Clamp	Tension Bolt + D15 Wing Nut
Max. Formwork Height (m)	6.00	6.00
Design Concrete Pressure (kN/m²)	80kN/m² | 600mm 65kN/m² | 750mm 45kN/m² | 900mm	80

SIZE AND WEIGHT MATRICES

Panels and corners

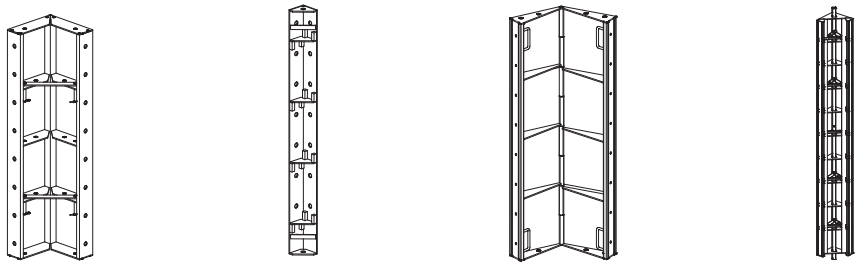
PANEL WEIGHT (kg)



H (mm)	W150	W300	W450	W600	W750	W900	Pixel W900
2700	28.62	36.92	45.19	55.10	65.04	73.32	99.45
2400	-	-	-	49.79	-	-	-
1800	17.34	25.30	31.07	38.22	45.72	51.43	68.12
1200	11.85	17.34	21.33	28.56	32.59	36.57	47.62
900	9.08	13.74	16.84	21.61	26.43	29.56	36.80
600	-	-	-	-	-	-	29.75

W = panel width (mm). A dash marks a size absent from the source table.

CORNER WEIGHT (kg)



H (mm)	Inside	Outside	Adjustable	Striking
2700	112.12	25.11	97.30	176.15
2400	99.44	22.38	87.02	-
1800	75.77	16.90	66.46	-
1350	-	-	-	93.98
1200	51.25	11.43	45.88	-
900	39.42	8.70	35.60	-
600	29.16	5.95	25.32	-

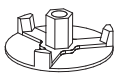
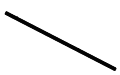
COMPONENT CATALOGUE

Connections and ties

PANEL CONNECTION AND ALIGNMENT

	COMPONENT	SPECIFICATION (mm)	WEIGHT (kg)
	Clamp	/	1.12
	Adjustable Clamp	/	3.60
	Universal Waling	L = 900 L = 1500	6.00 9.88
	Plate	74 × 50 × 10	0.37
	Coupler	/	1.00
	Bolt & Nut	M16 × 70	0.10
	Bracing Clip	/	1.06
	Quick-release Waler Clamp	/	2.43
	Aligning Clamp	/	3.08
	Waler Splice	400 550	3.47 4.30

TYING, LIFTING AND ACCESS

	COMPONENT	SPECIFICATION (mm)	WEIGHT (kg)
	Tension Bolt	/	0.80
	D15 Wing Nut	Ø100 Ø120	0.52 0.94
	Edge Tie Bearing	150 × 128 × 100 × 8.0	2.00
	D15 Tie Rod	800 950 1100	1.20 1.43 1.65
	D15 J-Hook	/	0.47
	Bulkhead Tie	/	1.52
	Lifting Hook	/	7.50
	Walking Bracket	/	11.47
	Top Yoke	/	1.38

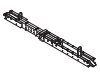
COMPONENT CATALOGUE

Support and climbing

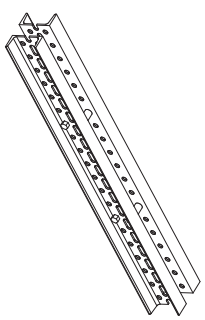
PUSH-PULL PROPS AND FITTINGS

	COMPONENT	SPECIFICATION (mm)	WEIGHT (kg)
	**Push-Pull Prop**	1040-1440 (D48.3×3.2thk)	**10.56**
	**Push-Pull Prop**	1820-2970 2070-3220 2570-4220	**19.48** **21.62** **25.29**
	**Foot Plate**	/	**1.15**
	**Prop Connector**	/	**0.43**
	**Pin**	M16 × 100 M16 × 65	**0.20** **0.15**
	**Pin Type B Pin**	2.5 × 65, Ø20	**0.01**
	**Anchor Bolt**	M16 × 100, Grade 8.8	**0.10**

CLIMBING COMPONENTS

	COMPONENT	SPECIFICATION (mm)	WEIGHT (kg)
	**Climber**	/	**97.70**
	**Internal Platform Beam**	2400-3100 2950-4000	**173.83** **208.71**
	**Anchor Steel Cone**	D20/M30, L = 120	**1.20**
	**Anchor Steel Cone Extractor Tool**	For D20/M30 Climbing Cone	**0.50**
	**PP Cone**	Ø25	/
	Plastic Tube	Ø25	/

STEEL WALER / 100 × 48 TWIN C-CHANNEL



L (mm)	WEIGHT (kg)	L (mm)	WEIGHT (kg)
750	15.37	**3000**	61.09
1250	25.37	**3250**	66.09
1500	30.37	**3500**	71.09
1750	35.37	**3750**	75.59
2000	40.37	**4000**	80.59
2500	51.09	**4250**	85.83
2750	56.09	**4500**	91.32

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

Visit Rapid

(+86) 510-8379 6833
sales@rapid-scaffold.com
www.rapid-formwork.com
No. 280 East Zhangjing, Xigang Road, Xibei Town, Xishan District, Wuxi City, Jiangsu Province, China

Official Website | Facebook | LinkedIn | Youtube

EFFICIENT SOLUTIONS QUALITY PRODUCTS

YOUR GLOBAL SYSTEMS PARTNER