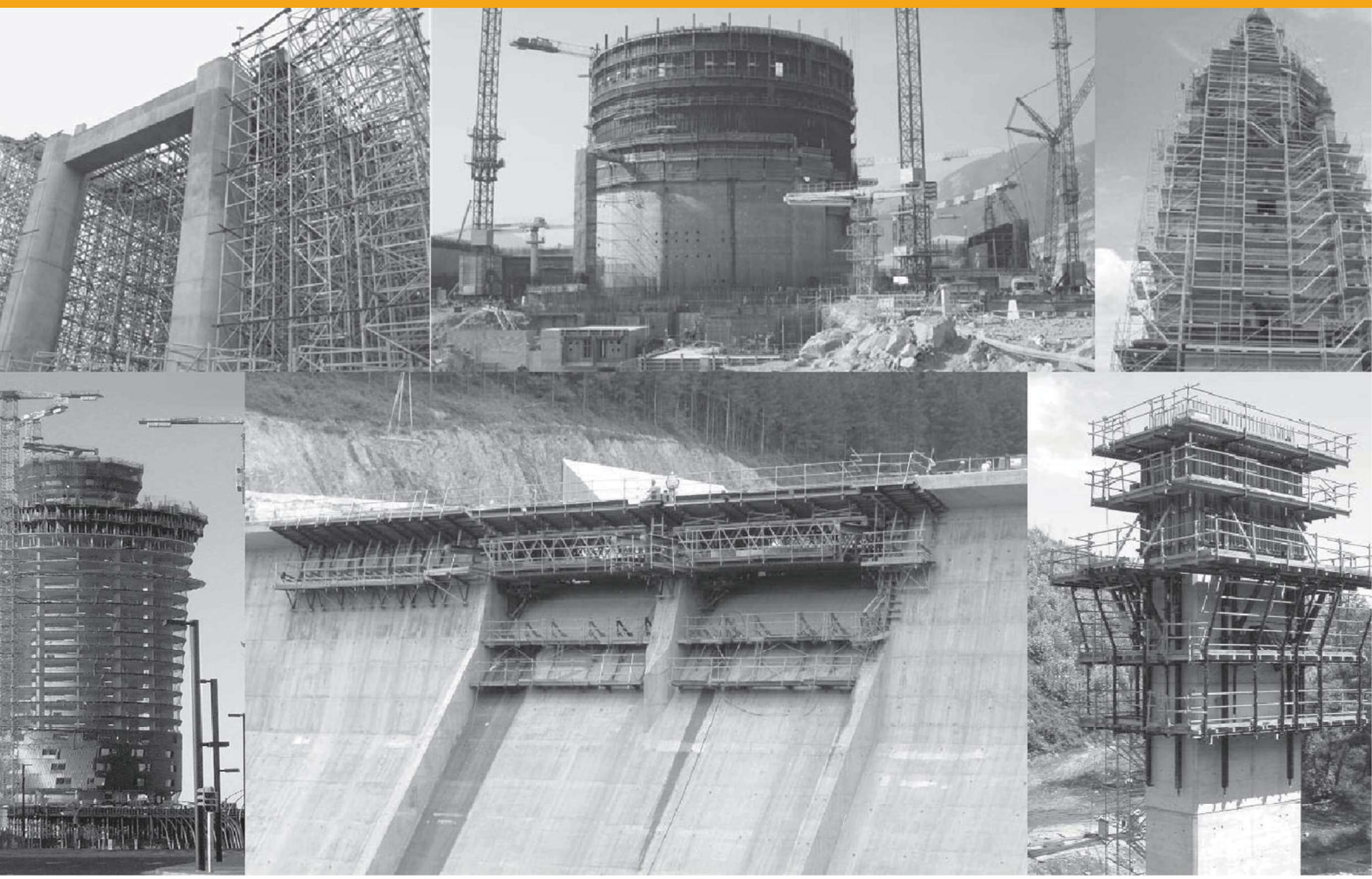
CONMELIUS



CONMELIUS Formwork and Scaffolding

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Products List 2025

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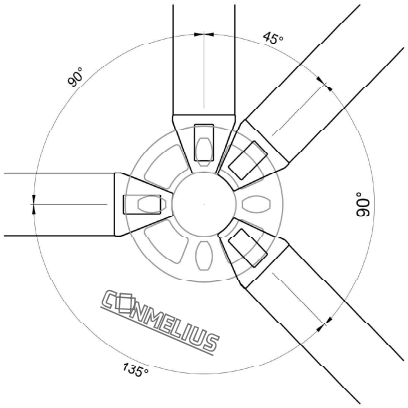
RingLock *An extensive range of scaffolding system*

Functional design with simplicity of connection

Ringlock system has been designed and developed to meet the requirements of Civil Engineer and Residential project, advantages include:

- *Efficiency of assembly*
- *Low maintenance required to keep in top working condition*
- *Versatility of application*
- *Simplicity of components and their connection*
- *Galvanized components improve corrosion resistance*
- *No special tools required for assembly (hammer and spirit level only)*







Basic Components

- Base Jack
- Base Coller
- Vertical Standard
- Diagonal Brace
- Horizental Ledger
- Fork-head Jack
- U-head Jack
- Plank
- Ladder
- Toe Board





Features



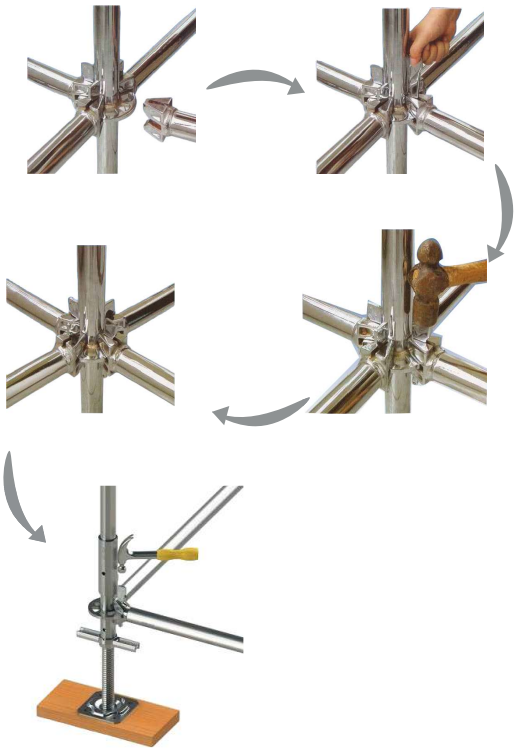
VERSATILE USE

With the flexibility to connect at eight positions around the rosette on the Vertical post, **Ringlock** can be used to go around curved or angled structures

EASY TO ERECT

The Vertical features robust rosettes onto which all horizontal and diagonal components attach. The simple connection between components ensures ease of erection and dismantling. No additional loose parts are required to join components in the system.





PROVEN DESIGN WITH SAFETY ACCESSORIES

The **Ringlock** system has a proven performance history on an extensive number of sites, meeting the requirements of the various statutory bodies. A full range of accessories is available to cater for safety requirements such as guardrails, catwalk, ladder access, staircase access and components to provide overhead protection.

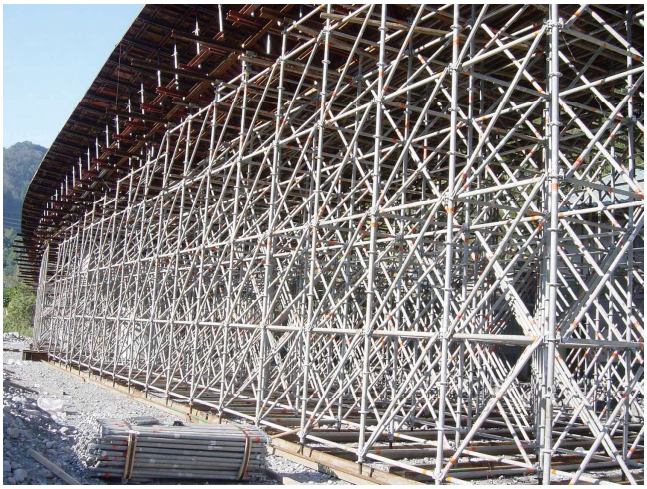


Features

Heavy Duty Capacity

RingLock scaffolding systm, it has been widely used in many civil engineering projects, such as High-Speed railway, express way, elevated railway, subway, factories, Logistic center and music concert, and event application etc.







Access Towr

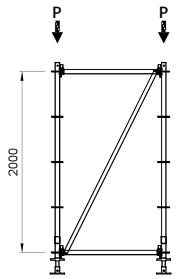
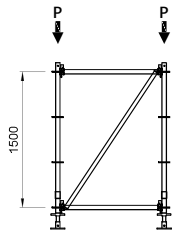
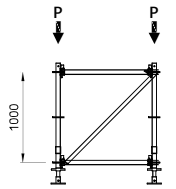
Fewer materials and tool need to set up access towers.
Workers can supply the scaffolding platform faster and get to work faster with less downtime.
Offering guailrails to ensure sufficint safty

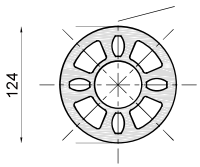




Technical specification (Ø48 Vertical Standard)

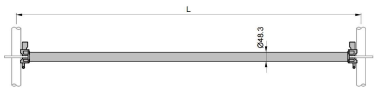
VERTICAL COMPRESSIVE CAPACITY

MATERIAL	CHS Ø48.3 X 3.25t Grade Q355B		
EFFECTIVE LENGTH			
ULS COMPRESSION RESISTANCE, Pc	51 kN / LEG	81 kN / LEG	117 kN / LEG
SAFETY WORKING LOAD, P	30 kN / LEG	50 kN / LEG	70 kN / LEG
FACTOR OF SAFETY	1.65		

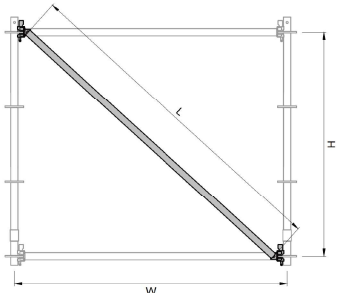


Safety Working Load: 30 to 70 kN per leg
F.O.S. = 1.65 (Refer above chart)

**Depends on different horizontal member's vertical spacing.*



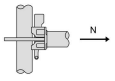
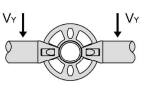
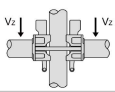
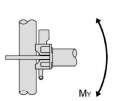
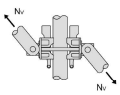
Material : CHS Ø48.3 x 2.75t Grade Q235B



Material : CHS Ø42.2 x 2.75t Grade Q235B

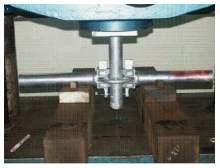
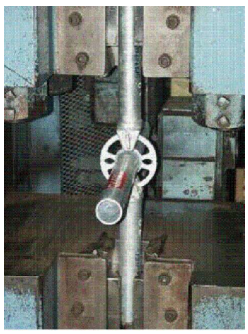
* Ringlock spigot should be used for connection points between vertical components.

Node load capacity

NORMAL FORCE	Permissible N = ± 31.80 kN (Breaking load as 63.60 kN)	
VERTICAL SHEAR FORCE	Permissible Qv = + 16.92 kN (Breaking load as 33.84 kN)	
HORIZONTAL SHEAR FORCE	Permissible Qh = ± 8.425 kN (Breaking load as 16.85 kN)	
CONNECTION MOMENT	Acting on the Ringlock Junctions Permissible M = ± 0.91 kNm. (Max. design testing load 1.82 kNm)	
AXIAL FORCE, DIAGONAL BRACE	Permissible D = ± 15.75 kN (Breaking Load as 31.50 kN)	

**HOKLAS testing*




Application project case

Civil Engineering projects









Residential projects





Components List

Name	48 system (mm)	60 system (mm)	Length (mm)	Picture
Base Collar Q355B	φ48.3*3.25	φ60.3*3.25	200	
Standard Q355B	φ48.3*3.25	φ60.3*3.25	1000	
	φ48.3*3.25	φ60.3*3.25	1500	
	φ48.3*3.25	φ60.3*3.25	2000	
	φ48.3*3.25	φ60.3*3.25	2500	
	φ48.3*3.25	φ60.3*3.25	3000	
Ledger Q235B	φ48.3*2.75	φ48.3*2.75	600	
	φ48.3*2.75	φ48.3*2.75	900	
	φ48.3*2.75	φ48.3*2.75	1200	
	φ48.3*2.75	φ48.3*2.75	1500	
	φ48.3*2.75	φ48.3*2.75	1800	
	φ48.3*2.75	φ48.3*2.75	2100	
Diagonal Brace Q195B or Q235B	φ42.2*2.75	φ48.3*2.75	600*1500	
	φ42.2*2.75	φ48.3*2.75	900*1500	
	φ42.2*2.75	φ48.3*2.75	1200*1500	
	φ42.2*2.75	φ48.3*2.75	1500*1500	
	φ42.2*2.75	φ48.3*2.75	1800*1500	
	φ42.2*2.75	φ48.3*2.75	2100*1500	

Name	48 system (mm)	60 system (mm)	Length (mm)	Picture
Base Jack Q235B	φ38*5	φ48*5	500、600	
U-head Jack Q235B	φ38*5	φ48*5	500、600	
Adjustable Standard Q355B	φ48.3*3.25	φ60.3*3.25	250	
	φ48.3*3.25	φ60.3*3.25	500	

Metal Plank

Support	Width x Height (mm)	Thickness (mm)	Length (mm)	Picture
Common support / Box support / Ladder support	210*45	1.0/ 1.1/ 1.2 / 1.5 / 1.8 / 2.0	1000-4000	
	225*38			
	240*45			
	250*50			
	300*50			

Steel Catwalk

Support	Width x Height (mm)	Thickness (mm)	Length (mm)	Hook (mm)	Picture
Common support / Box support / Ladder support	210*45	1.0/ 1.1/ 1.2/ 1.5 / 1.8/2.0	600-2400	44/ 50	
	240*45				
	250*50				
	300*50				
	420*45				
	480*45				
	500*50				

Staircase

Hook(mm)	Size(mm)	Picture
44 / 50	450*1829*1725*2515	
	450*1829*1955*2677	
	450*1800*1500*2344	
	450*1800*2000*2691	
	730*1800*2000*2671	
	730*2000*2000*2829	

Steel Toe Board

Name	Size(mm)	Length (mm)	Picture
Common support	210*45*(1.0 / 1.1)	600-2400	

Triangle Board Side Bracket

Name	Size(mm)	Weight(kg)	Picuture
Triangle Board Side Bracket	350*400	5.44	
	600*400	6.91	
	880*400	8.6	
	1065*400	9.71	
	1150*400	10.23	

Intermediate Transom

Name	Size(mm)	Length(mm)	Picture
Intermediate Transom	48.3*2.75/3.25	900	
		1200	
		1500	

Ladder beam

Name	Size(mm)	Width *Length (mm)	Picture
Ladder beam	48.3*2.75/3.25	300*3000	
		300*4000	
		300*5000	

Lattice girder

Name	Size(mm)	Width *Length (mm)	Picuture
Lattice girder	48.3*2.75/3.25	500*2130	
		500*2570	
		500*3050	

Truss ledger

Name	Size(mm)	Length (mm)	Picuture
Truss ledger	48.3*2.75/3.25	1570	
		2130	
		3050	



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