



CTALOCK®

ADVANCED MODULAR SCAFFOLD

by silara akses



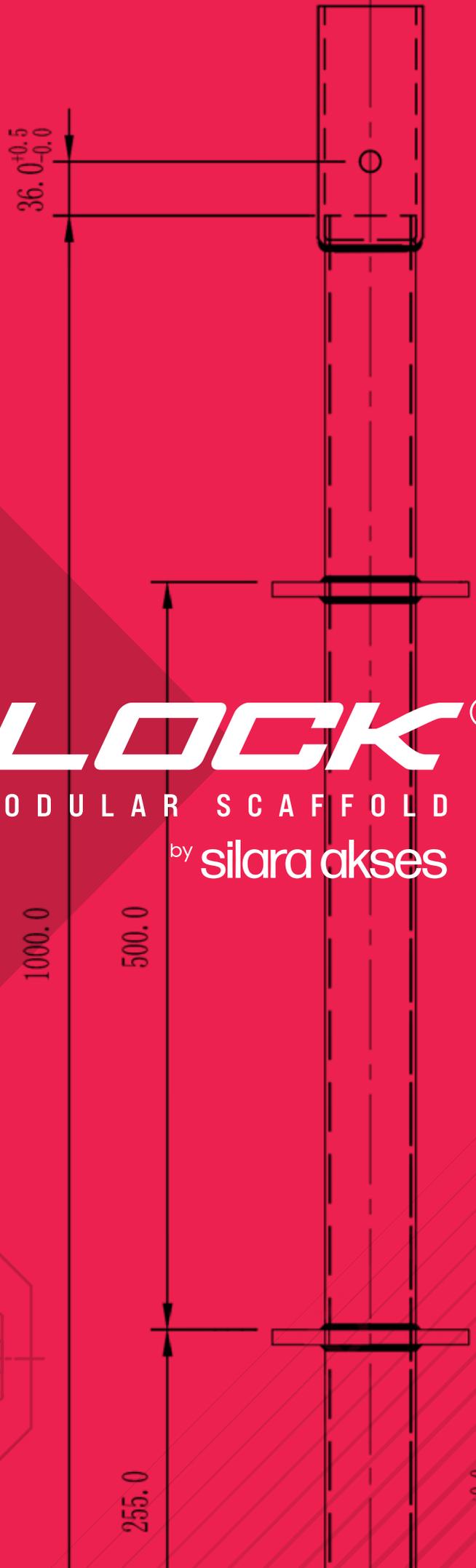
36.0^{+0.5}_{-0.0}

1000.0

500.0

255.0

36.0^{+0.0}_{-0.5}



Introduction



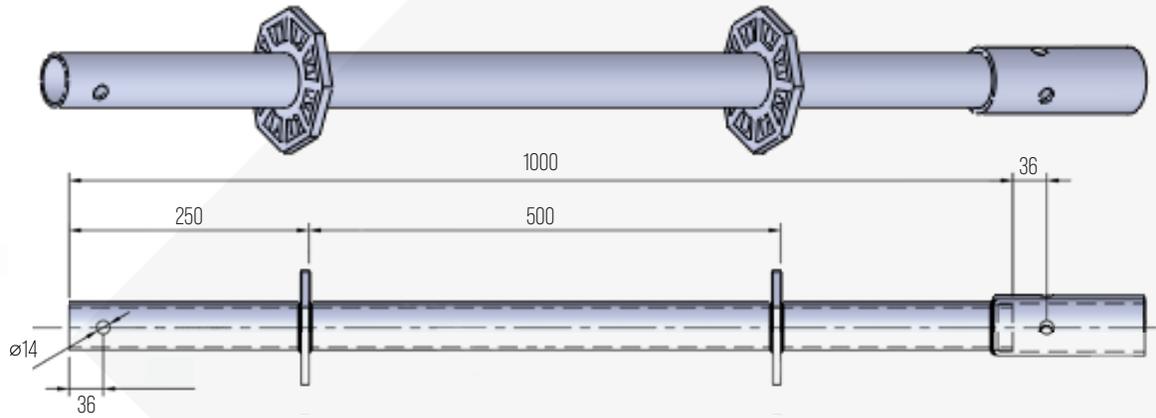
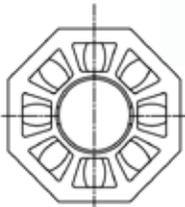
OCTALOCK®, or octalock modular scaffold, represents an advanced and specialised system that leverages an octagonal (eight-sided) locking mechanism to seamlessly connect its components. Distinguished for its remarkable adaptability, this scaffolding establishes a robust and secure framework for construction and maintenance tasks at various heights, surpassing the capabilities of conventional modular scaffolding.



The **OCTALOCK®** modular system offers two options: **OCTA48®**, a standard choice, and **OCTA60®**, designed for heavy-duty applications. Anchored by Q355 steel, renowned for its outstanding processing performance and compressive strength. This enhancement ensures the **OCTALOCK®** system is well-equipped to handle demanding requirements.

Specification

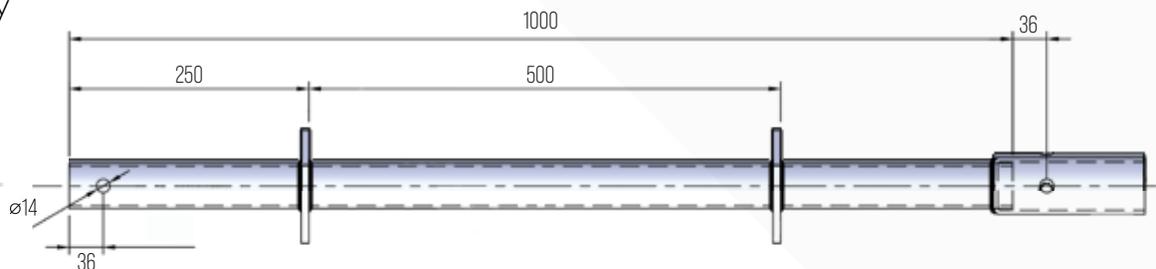
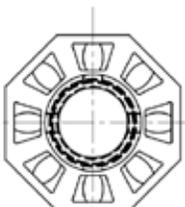
OCTA48® | Standard



Item No.	Section Size	Length	Weight Approx.
SR-OCTA48-023	48.3 X 3.2mm	L : 0225mm	2.15kg
SR-OCTA48-033	48.3 X 3.2mm	L : 0325mm	2.43kg
SR-OCTA48-050	48.3 X 3.2mm	L : 0500mm	2.98kg
OCTA48-100	48.3 X 3.2mm	L : 1000mm	5.82kg
OCTA48-150	48.3 X 3.2mm	L : 1500mm	8.29kg
OCTA48-200	48.3 X 3.2mm	L : 2000mm	10.86kg
OCTA48-250	48.3 X 3.2mm	L : 2500mm	13.35kg

*If you require custom sizes, feel free to get in touch with our agent for personalized assistance.

OCTA60® | Heavy Duty



Item No.	Section Size	Length	Weight Approx.
OCTA60-100	60.3 X 3.2mm	L : 1000mm	7.02kg
OCTA60-150	60.3 X 3.2mm	L : 1500mm	10.14kg
OCTA60-200	60.3 X 3.2mm	L : 2000mm	13.40kg
OCTA60-250	60.3 X 3.2mm	L : 2500mm	16.55kg

*If you require custom sizes, feel free to get in touch with our agent for personalized assistance.

Components

OCTA Horizontal Ledger



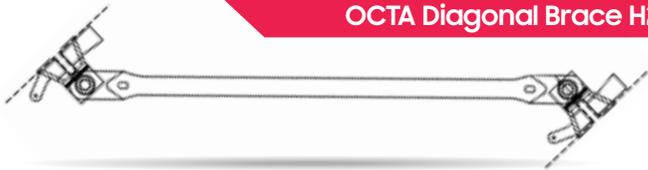
Item No.	Section Size	Length	Weight Approx.
SR-OC-HL-60	48.3 X 2.5mm	L : 600mm	2.20kg
SR-OC-HL-90	48.3 X 2.5mm	L : 900mm	3.20kg
OC-HL-100	48.3 X 2.5mm	L : 1000mm	3.50kg
SR-OC-HL-120	48.3 X 2.5mm	L : 1200mm	4.20kg
SR-OC-HL-150	48.3 X 2.5mm	L : 1500mm	5.01kg
SR-OC-HL-180	48.3 X 2.5mm	L : 1800mm	5.86kg
OC-HL-200	48.3 X 2.5mm	L : 2000mm	6.52kg
OC-HL-250	48.3 X 2.5mm	L : 2500mm	8.03kg

OCTA Diagonal Brace H1.5



Item No.	Section Size	Dimension (W*H)	Weight Approx.
SR-OC-DB-H1.5-90	33.7 X 2.3mm	900mm x 1500mm	4.38kg
OC-DB-H1.5-100	33.7 X 2.3mm	1000mm x 1500mm	4.46kg
SR-OC-DB-H1.5-120	33.7 X 2.3mm	1200mm x 1500mm	4.67kg
SR-OC-DB-H1.5-150	33.7 X 2.3mm	1500mm x 1500mm	5.02kg
SR-OC-DB-H1.5-180	33.7 X 2.3mm	1800mm x 1500mm	5.42kg
OC-DB-H1.5-200	33.7 X 2.3mm	2000mm x 1500mm	5.71kg
OC-DB-H1.5-250	33.7 X 2.3mm	2500mm x 1500mm	6.49kg

OCTA Diagonal Brace H2



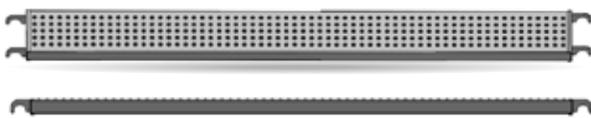
Item No.	Section Size	Dimension (W*H)	Weight Approx.
OC-DB-H2-100	33.7 X 2.3mm	1000mm x 2000mm	5.33kg
OC-DB-H2-150	33.7 X 2.3mm	1500mm x 2000mm	5.71kg
OC-DB-H2-200	33.7 X 2.3mm	2000mm x 2000mm	6.37kg
OC-DB-H2-250	33.7 X 2.3mm	2500mm x 2000mm	7.06kg

OCTA Toe Board



Item No.	Section Size (H*THK)	Length
OC-TB-100	150 X 1.8mm	L : 1000mm
OC-TB-150	150 X 1.8mm	L : 1500mm
OC-TB-200	150 X 1.8mm	L : 2000mm
OC-TB-250	150 X 1.8mm	L : 2500mm

OCTA Steel Plank

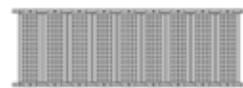


Item No.	Section Size (W*THK)	Length	Weight Approx.
OC-SP-100	9" X 1.8mm	L : 1000mm	7.30kg
OC-SP-10.5"-100	10.5" X 1.8mm	L : 1000mm	8.10kg
OC-SP-150	9" X 1.8mm	L : 1500mm	10.40kg
OC-SP-10.5"-150	10.5" X 1.8mm	L : 1500mm	11.30kg
OC-SP-200	9" X 1.8mm	L : 2000mm	13.49kg
OC-SP-10.5"-200	10.5" X 1.8mm	L : 2000mm	14.80kg
OC-SP-250	9" X 1.8mm	L : 2500mm	16.59kg
OC-SP-10.5"-250	10.5" X 1.8mm	L : 2500mm	17.90kg

OCTA Steel Stair

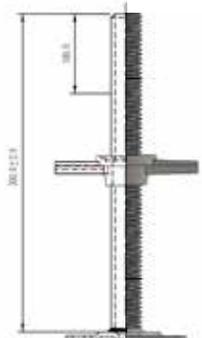


OCTA Steel Stair offer cost savings while maintaining durability. However, they may not be as lightweight as aluminium stairs.



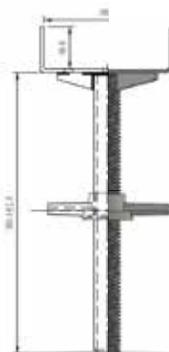
2.5m(L) x 2.0m(H) x 0.8m(W)

OCTA Jack Base



A **OCTA base jack** is an adjustable support located at the foundation of the scaffolding. It plays a crucial role in offering support and ensuring a consistent level across all areas during the system's assembly.

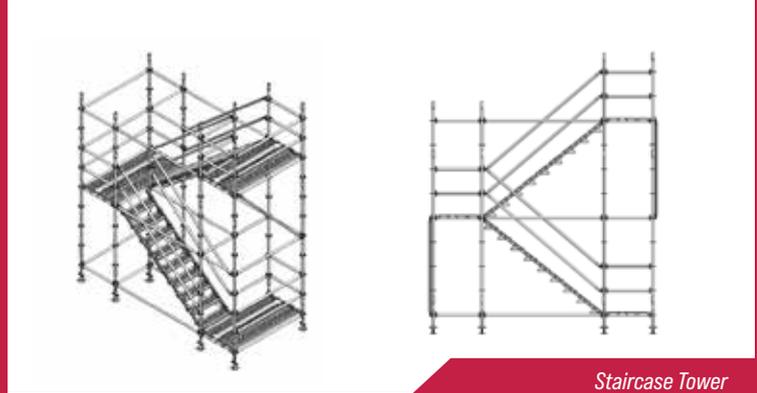
OCTA Jack U-Head



A **OCTA Jack U-Head** is a scaffolding component utilised to uphold the scaffolding structure. Crafted from high-grade alloy steel, it's available in various sizes to suit different requirements.

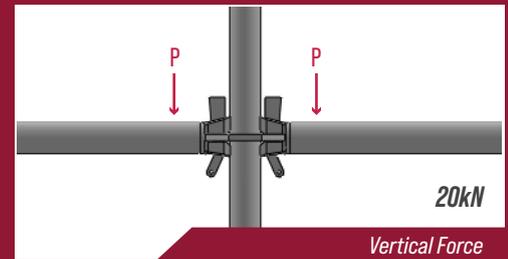
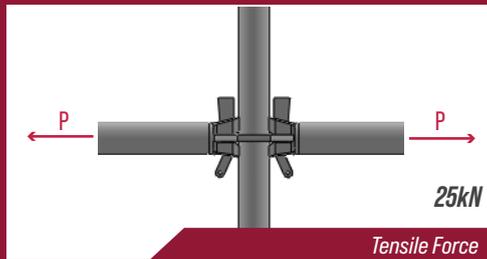


Falsework



Staircase Tower

Permissible Joint Capacity



Permissible Leg Loads

	Model / Lift Height				
	OCTA48		OCTA60		
Jack Extension (Condition)	1.5M	2.0M	1.5M	2.0M	2.5M
300mm (Unbraced)	48.4 kN	41.4 kN	65.7 kN	61.9 kN	49.2 kN
150mm (Unbraced)	48.5 kN	45.3 kN	76.1 kN	70.9 kN	58.1 kN
300mm (Braced)	51.9 kN	49.0 kN	78.8 kN	74.5 kN	68.5 kN

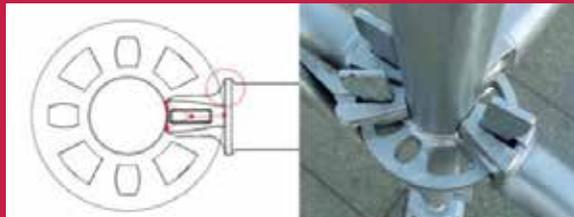
- NOTES:
1. All loads are factored with Safety Factor = 1.65
 2. Jack Bracing can be applied using tubes and fittings.
 3. The rules for bracing must be observed.
 4. The scheme drawing must be checked by a competent designer or engineer.

Comparative Analysis

Explore the unique benefits between the new innovative Octagonal scaffolding and the traditional Ringlock Scaffolding. For a deeper understanding, just scan the provided QR code.



Octalock Scaffolding



Ringlock Scaffolding



Scan Here

FAQ

How does the OCTALOCK® Modular Scaffold System work?

The OCTALOCK® system operates through an innovative eight-sided connection mechanism that forms the heart of its modular design. Here's how it works:

- The vertical standards feature precisely engineered octagonal plates welded at regular intervals
- Ledger ends with cast iron heads lock securely onto these plates at 45-degree intervals
- Components can be connected from eight different angles, offering maximum flexibility
- The wedge-head system ensures automatic alignment and creates rigid, stable connections

This unique design allows for quick assembly while maintaining exceptional structural integrity, making it ideal for both scaffolding and shoring applications.

What are the advantages of Octalock?

- Superior stability through its octagonal connection design, providing enhanced torsional resistance and better load distribution
- Advanced safety features including self-locking pins with curved profiles to prevent accidental disengagement
- Improved efficiency with 20-30% faster assembly

and dismantling compared to traditional systems
- Cost-effective with 10-15% reduction in overall project costs and minimal maintenance requirements



Is OCTALOCK® more durable than other scaffolding systems?

A key feature of this system is its durable connection design, which includes a 10mm octagonal disc for the vertical standard and a solid cast iron ledger end. This design significantly reduces the risk of bending or cracking during handling, transportation, and storage compared to other scaffold connections. As a result, the system requires minimal repair and maintenance work over its lifetime.

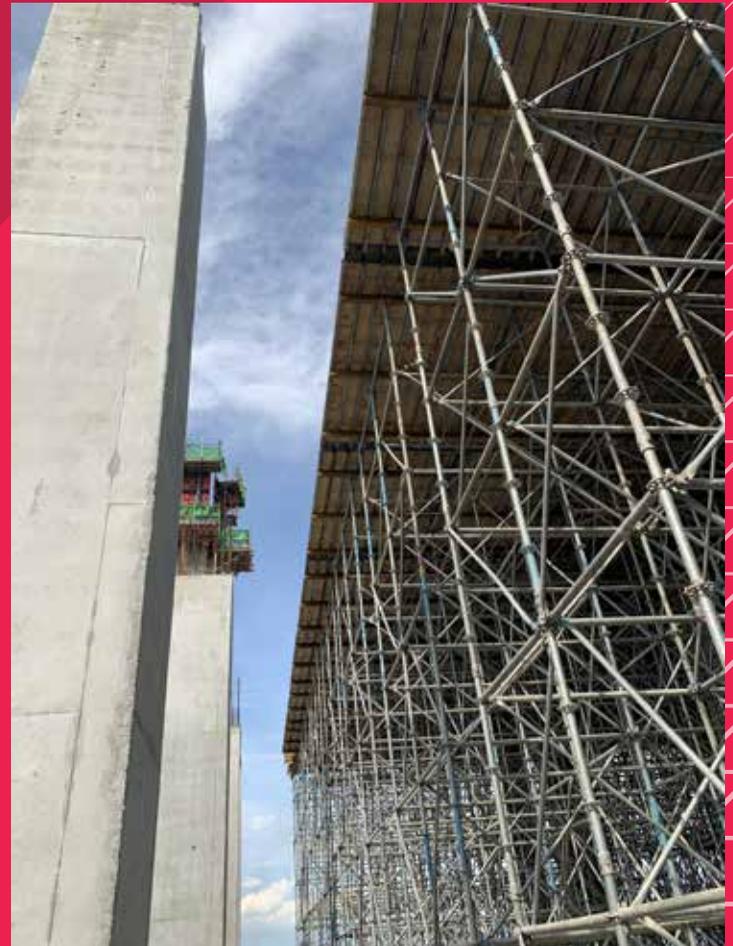
What kind of technical support is provided with the product?

The product includes comprehensive documentation: a product manual that complies with EN12810-1/MS1462-3 standards for scaffolding use, and an instruction manual that meets EN 12813 requirements for falsework applications. Our technical team is available to provide customized proposals for specific needs. We also offer design specifications and calculations upon request.

Certification:



Projects





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