

PERI

PERI UP Shoring Tower MD

BUILT WITH EASE, SHORED WITH STRENGTH



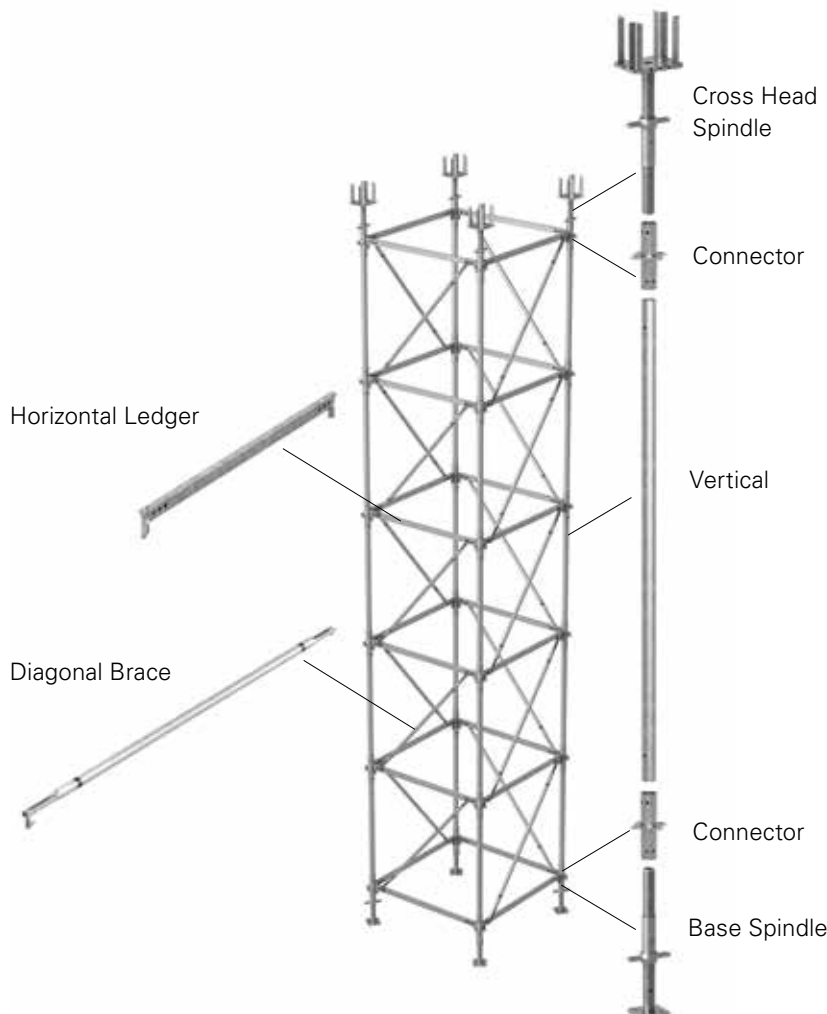
PERI UP Shoring Tower MD



The PERI UP Shoring Tower MD is a versatile medium-duty shoring system designed specifically for infrastructure projects and building construction with thick slabs. The system's modular and flexible design, featuring Gravity Lock Technology, ensures simple and safe assembly.

Designed to provide up to 100 kN of load-bearing capacity per leg, the PERI UP Shoring Tower MD excels in both strength and stability. The simple assembly process, requiring a low number of components, enhances efficiency and cost-effectiveness on site.

The small number of lightweight components enables you to assemble and dismantle the shoring tower quickly, safely and ergonomically. This streamlined approach not only speeds up the construction process but also reduces labour costs and the need for extensive on-site training.



The system includes the innovative Connector MD, verticals and PERI UP ledgers and braces, supplemented with cross head and base spindles for continuous height adjustments. Thanks to its modular design and low number of system components, minimal storage space is required. At the same time, the PERI UP Shoring Tower MD can be easily adapted to different building geometries and a wide range of applications.

Top Product Features



High leg load-bearing capacity of up to 100 kN/leg (according to EN 12812) leads to high efficiency

The small number of system components, innovative design and repetitive assembly steps facilitate rapid and efficient working operations

Safe and easy installation through self-locking ledgers, optional ladder integration, lightweight individual parts and intuitive use

Lower logistical footprint and less material required due to modularity and adaptable ledger length

Flexible adaptability in ground plan (1.022 m – 3.022 m) and continuous height adjustment with verticals (1.0 m, 1.5 m, 2.0 m) and spindles

Compatibility with PERI UP enables integration in additional applications such as access solutions, ensuring high material utilization

Easy cleaning and maintenance procedures due to robust design and galvanised parts



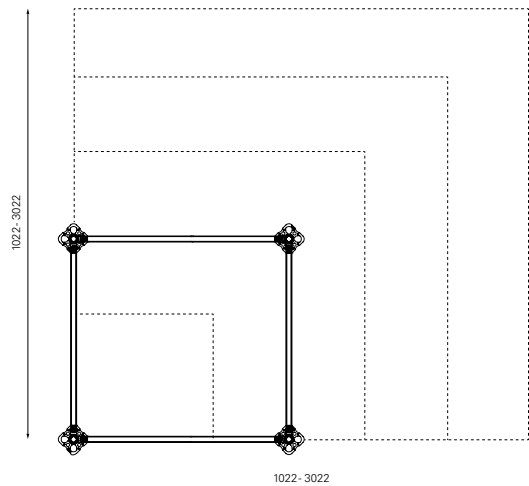
Effortless and safe assembly using Gravity Lock Technology

When inserting the ledger into the Connector MD, the wedge drops automatically through gravitational force and secures the connection rigidly. This mechanism enables ledgers to be installed with ease from a safe position and therefore improves efficiency and worker safety on site.



Three functions combined in a single component

The Connector MD serves as a versatile core element, integrating a base standard, spigot, and nodal connection ring into a single piece. The PERI UP node design enables straight-forward integration of PERI UP ledgers and diagonals, enhancing efficiency and simplicity during assembly.



Modular system with optimal adaptability

Verticals are available for heights of 1.0 m, 1.5 m and 2 m, complemented by spindles for continuous height adjustment. With ground plan dimensions ranging from 1.022 m to 3.022 m in 50 cm increments, and the option for 25 cm steps for project-specific needs, the system can be adapted to various configurations. The system can therefore be used as a single shoring tower, birdcage or as an additional shoring frame.

Reference Projects



Hong Kong

Tsueung Kwan O – Lam Tin Tunnel Landscape Deck

The Tsueung Kwan O – Lam Tin Tunnel (TKOLTT) spans approximately 4.2 km, connecting Tsueung Kwan O and East Kowloon. An approximately 3.8 km dual two-lane highway is constructed, along with facilities and associated buildings such as civil, structural, marine, electrical and mechanical, traffic control and surveillance system, landscaping, as well as environmental mitigation measures.

Central to the project's scope is the creation of the deck, a significant undertaking requiring robust shoring towers and adaptable falsework systems tailored to different project segments. To meet these demands, PERI provided the PERI UP Shoring Tower MD, which is characterized by high load-bearing capacity. The system's simple setup facilitated swift and efficient assembly, while its combinability with other PERI systems allowed seamless integration into the project solution.



Hong Kong

Hong Kong International Airport
Terminal 2 Expansion

As an integral part of the Three-Runway System (3RS) project, the existing Terminal 2 (T2) at Hong Kong International Airport (HKIA) will be expanded to provide full-fledged terminal services, serving departure, arrival, and transfer operations. The project necessitated a dependable falsework system to ensure a secure working environment as well as a versatile formwork to construct the curved bridge deck. For this purpose, PERI provided the PERI UP Shoring Tower MD, facilitating the construction of the T2 expansion. Complementing this, the VARIOKIT Engineering Construction Kit was used as a flexible system to fulfill diverse requirements on various shapes.