

HAKI Universal

HAKI Universal is a modular scaffolding system that can be utilised on applications from the simple to the most complex. For even advanced constructions in building projects, industries, shipyards, offshore installations and refineries.

The scaffolding system is particularly adaptable with respect to bay size and load class and is compatible with HAKI Ram and earlier HAKI generations.

Type examined by RISE, Research Institute of Sweden in accordance with Ordinance AFS 2023:9 and SS-EN 12810-1 - Certificate No. 14 55 01 - for load classes 1 - 6 (0.75 - 6.0 kN/m²).

The components range includes brackets, ladders, stairs and suspension devices.

The components can also be used for erection of stair towers, mobile towers, sign towers, stages, stands and other temporary constructions and be included in HAKITEC Weather protection systems.

HAKI standard is designed to meet all current European regulations, directives and standards, and is ideally suited to modern scaffolding methods and production techniques



The rounded tube end simplifies erection. Spigot, 38mm diameter and 150mm long, gives a joint with optimum rigidity.

Standard tube and spigot are manufactured as a single unit without welding.

Using modern techniques the end of the tube is converted into a spigot in three steps. It can't be safer.

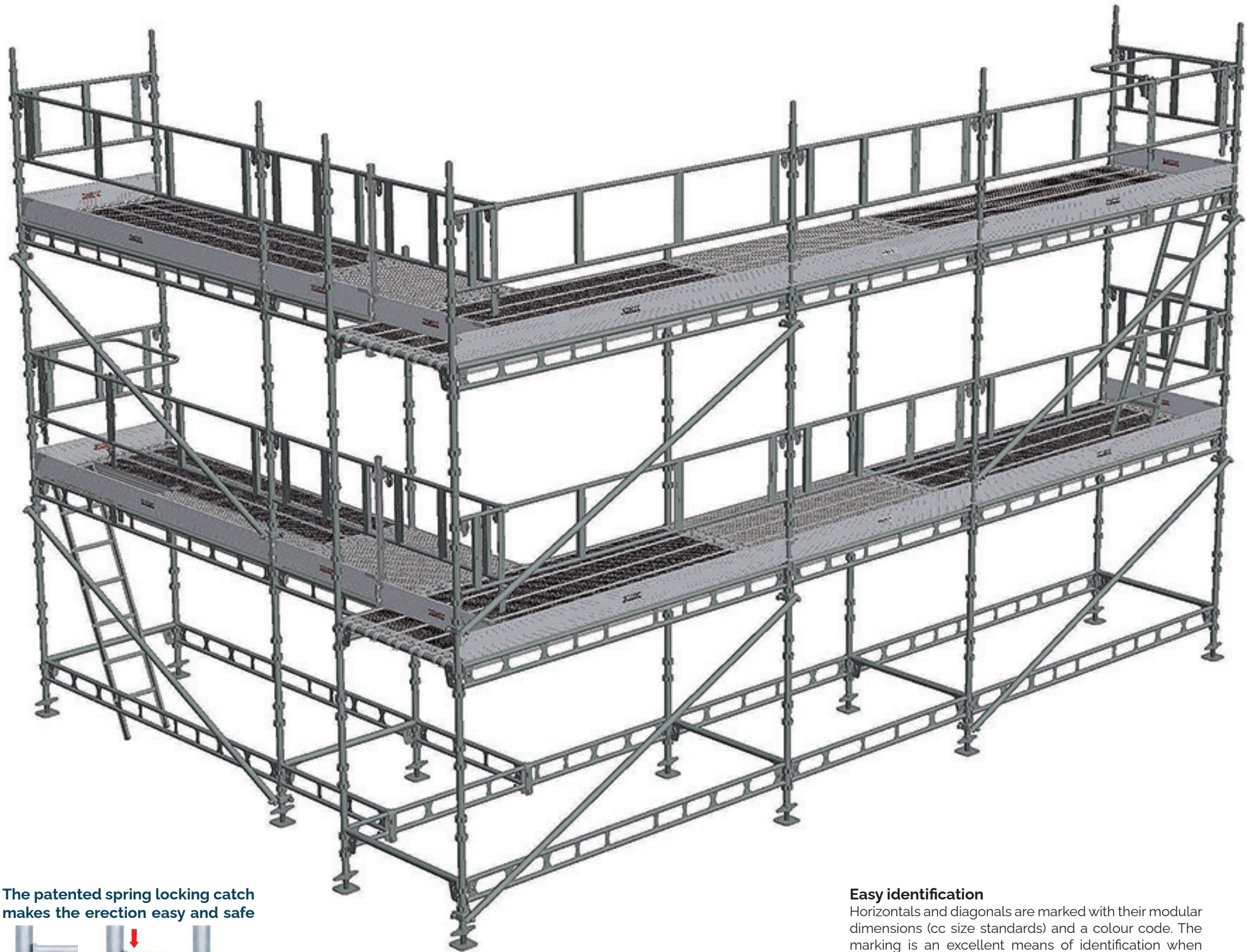
The wide spacing between groups of pockets, with an outside diameter of just 48 mm, makes it easier to fit diagonals, ties, couplers and other accessories.

Pockets at the same level mean that the connecting beams are also at on level which gives decking flat in every direction. There are no dangerous edges to trip over at corners or at stairways and brackets.

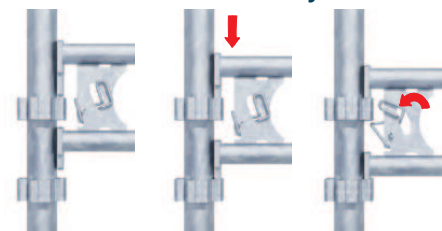
Holes punched in the top and bottom of all standards make it a quick and easy task to make a joint with locking pins for lifting and tensile forces. The permissible tensile load is 20.0 kN.

Symmetrical in two planes and thereby simple to erect and handle.

The standards are compact and can be solid-packed



The patented spring locking catch makes the erection easy and safe



The spring locking catch is primarily designed for manual locking. The catch can be moved easily with the thumb to a distinctly locked or unlocked position. The spring locking catch makes it possible to erect from distance.

There is no risk of any moving parts of the construction jamming as a result of painting, blasting and corrosion.

Easy identification

Horizontals and diagonals are marked with their modular dimensions (cc size standards) and a colour code. The marking is an excellent means of identification when erecting and handling the scaffolding materials.

564		1550		2500	
700		1655		2550	
770		1964		3050	
1010		2050			
1050		2210			
1250		2357			



Adjustable Base Jack
Adjusts to suit application 55-570 mm



Standard
Standard joint with spigot
Pockets at the same level
Tube diameter 48 mm
Sizes range from 500-3000 mm



Ledger Beam
Tube diameter 34 mm
Sizes range from 1050-3050 mm



Single Tube Beam
Tube diameter 48 mm
Sizes range from 564-3050 mm



Guardrail Frame
Tube octagon 28 mm
Sizes range from 700-3050 mm



Intermediate Transom
Scaffold boards are fully compatible with the system using the intermediate transom for support



Puncheon Unit
Create an off node vertical connection anywhere along the beam and add standard



Beam Rider
Unique bay sizes can be created with an off node connection anywhere along the beam



Return Transom
Can be used to form a return instead off the ledger beam in place of two beam riders



Bracket without spigot
Tube diameter 48 mm
Width 230 - 400 - 460 - 600 mm



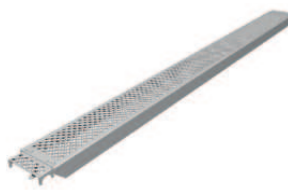
Bracket with spigot
Tube diameter 48 mm
Width 514 - 700 - 720 mm



Bracket Adjustable
Adjustable 460-690 mm
2-3 board bracket gives the option of increasing the width of a scaffold without additional support legs



Steel Plank
Up to load class 6
230 mm wide boards



Aluminium Plank
Up to load class 6
230 mm wide boards



Locking Pin
Locks standards together when used in suspended applications, for crane lifted sections or for weather protection applications



Stair UTV
UTV stair and handrail creates a stair tower in place of a ladder
Stair and handrail in aluminium or galvanized



Ladder
Access ladder with hooks to replace tying



Suspension Devices
Various sizes suspension devices available to suit application

HAKI Applications



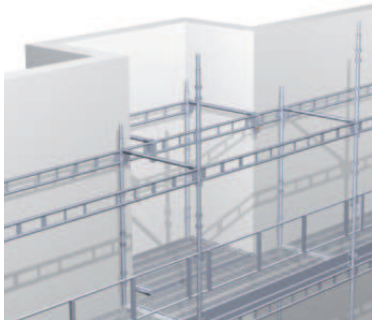
Independent
Load classes 1 - 6
Bay width 700, 770, 1050, 1250, 1655 mm
Decking: Decking unit, steel plank, aluminium plank



Crane Lifted
Same standard for all applications, just add a locking pin for crane lifted sections, suspended or weather protection



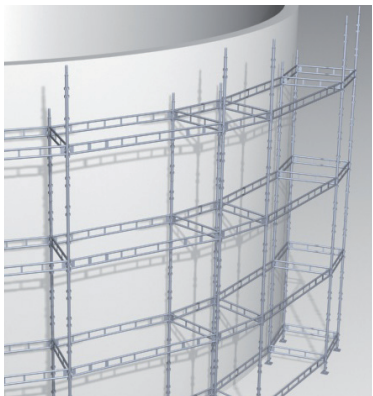
Suspended
Permissible tensile load in standards 20.0 kN
Decking: Decking unit, steel plank, aluminium plank



Beam Riders
Beam riders increase the versatility of the system to a significant extent.



HAKI Stairs
Stair Tower Symmetrical
Stair UTV
Public Staircase



Circular
Safe and simple ways to erect a circular scaffold using key components.



HAKI – temporary work-places ensure the highest standard in safety whilst increasing productivity

SAFE – product development, quality assurance and modern production

ADAPTABLE – a few basic components for both scaffolding and weather protection

PRODUCTIVE – increase productivity in your daily work

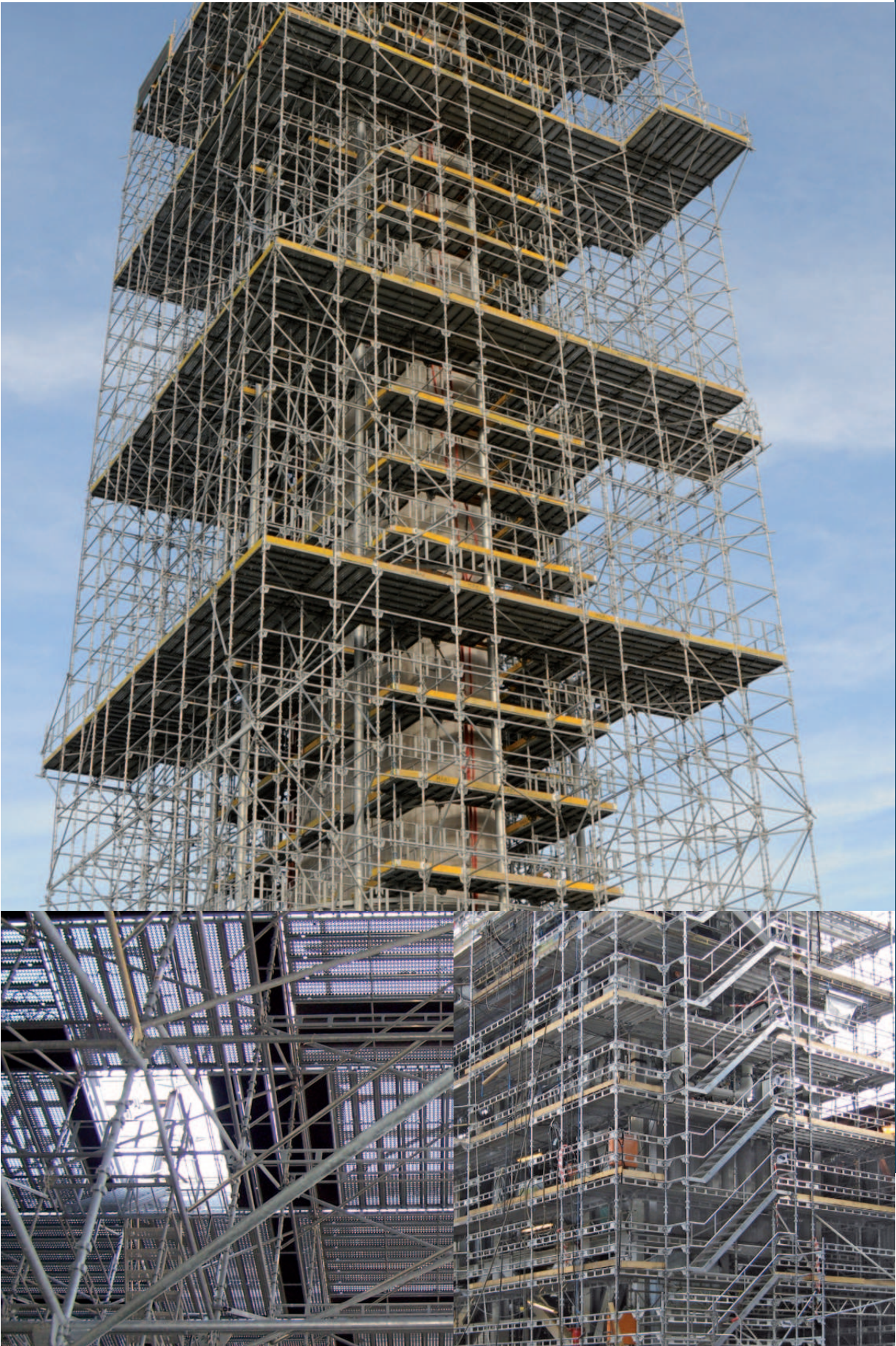
EXPERT – training, technical support and project engineered solutions



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HAKI Universal - just hook on



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