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SERVICES & PRODUCT GUIDE





OVER 40 YEARS DEVELOPING AND MANUFACTURING SCAFFOLD.



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Established in 1979, Catari quickly focused its core business towards metal working. The acquired expertise would later turn to be one of Catari's strengths in the manufacturing of scaffold.

Currently, Catari strives to be a worldwide provider of scaffold, engineering and value-added services. With seven rental parks providing scaffolding to four Catari is committed to expanding its reach, ensuring that all products are widely available.

Products are designed and manufactured in Portugal, in accordance with the European standards as well as inspected under Catari's Quality Management System, which is certified by ISO 9001.

This booklet offers an overview of the current products and services.

Project design

- Detailed identification of commissioning quantities.
- Technical consultancy for an optimized solution.
- Static calculation using scaffold structural analysis software.
- 3D drawings for an improved visualization of the solution.

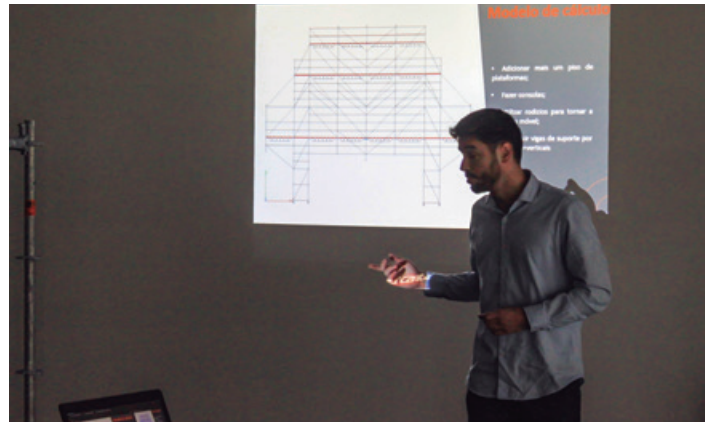


On-site support

- Deployment of a technical team to advice on the project implementation.
- Occasional visits of a supervisor to assist and inspect the scaffold assembly.
- Project related trainings for a correct and efficient use of the scaffold.

Training

- Complete training for scaffolders on the usage of Catari systems.
- Workshops on project design, safety in workplace, standards and regulations
- Tailored training to the needs of each client.
- Possibility of requesting online trainings or at the client's facilities.



Sales and rental

- Sales team with market and product expertise are the single point of contact.
- Rental parks located in Chili, Portugal, Mozambique and Spain.
- Individual financial options.
- Possible complementary services of assembly and transportation.






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CATARI SCAFFOLD SYSTEMS

	US [®]	FA-48 [®]	FL
Scaffold type	Multidirectional / ringlock	Frame	Frame
Tube diameter	48,3 mm	48,3 mm	48,3 mm
Tube thickness	3,2 mm	2,9 mm	2,6 mm
Steel grade	S235 JR	S235 JR	S235 JR
Coating	Hot-dipped galvanized	Hot-dipped galvanized	Hot-dipped galvanized
EN 12810-1 certification	✓	✓	
Load capacity of steel decks	4,5 kN/m ² (3,07 m and 2,57 m) ⁽¹⁾ 6,0 kN/m ² (< 2,57 m) ⁽²⁾	4,5 kN/m ² (3,07 m and 2,57 m) ⁽¹⁾ 6,0 kN/m ² (< 2,57 m) ⁽²⁾	2,0 kN/m ² ⁽³⁾
Decks fittings type			
Application			
Façade	✓	✓	✓
Heavy-duty industrial	✓		
Stair tower	✓	✓	
Shoring	✓	✓	
Birdcage	✓	✓	
Rebar	✓	✓	
Suspended	✓		
Flyover	✓		
Public events	✓		
Max. height	Up to 140 m ⁽⁴⁾	Up to 100 m ⁽⁴⁾	Up to 40 m ⁽⁴⁾
Bay widths ^(m)	0,73 ▪ 1,09 ▪ 1,40 ▪ 1,57 ▪ 2,07 ▪ 2,57 ▪ 3,07	0,73	0,60
Bay lengths ^(m)	0,73 ▪ 1,09 ▪ 1,40 ▪ 1,57 ▪ 2,07 ▪ 2,57 ▪ 3,07	0,73 ▪ 1,07 ▪ 1,57 ▪ 2,07 ▪ 2,57 ▪ 3,07	2,00 ▪ 2,50
Access type	Deck with trapdoor ▪ Staircase	Deck with trapdoor ▪ Staircase	Deck with trapdoor
Accessories			
Circular line-up	✓	✓	
Protuding façades	✓	✓	
Mobile scaffold	✓	✓	
Pedestrians protection	✓	✓	
Lifting	✓	✓	
Complementary protection	✓	✓	
Average weight	20 kg/m ²	14 kg/m ²	12 kg/m ²
Average assembly rate	300 m ² ▪ 6 ton ⁽⁵⁾ /day	400 m ² /day	400 m ² /day
Average cargo			
Truck	1200 m ² ▪ 24 ton	1100 m ²	1200 m ²
40HC container	1100 m ² ▪ 22 ton	1000 m ²	1100 m ²
20ft container	500 m ² ▪ 11 ton	450 m ²	500 m ²

⁽¹⁾ class 5 according to EN 12810-1.

⁽²⁾ class 6 according to EN 12810-1.

⁽³⁾ class 3 according to EN 12810-1.

⁽⁴⁾ upon project-specific planning.

⁽⁵⁾ considering an experienced crew of 3 scaffolders and 8 working hours.





Catari US®
multidirectional scaffold system

Catari US® is a multidirectional scaffold based on the ring-lock design.

Its versatility and load-bearing capacity makes it suitable even for the most complex and demanding scaffold constructions, such as heavy duty industrial and civil engineering applications.



DECK FITTINGS TYPE



MULTIPURPOSE BY DESIGN

The shape of the rosette openings allows nearly any angle.

With 5.8 tons of capacity per leg for shoring and various work scaffolds through to stairway towers.

ALL-ROUND SAFETY

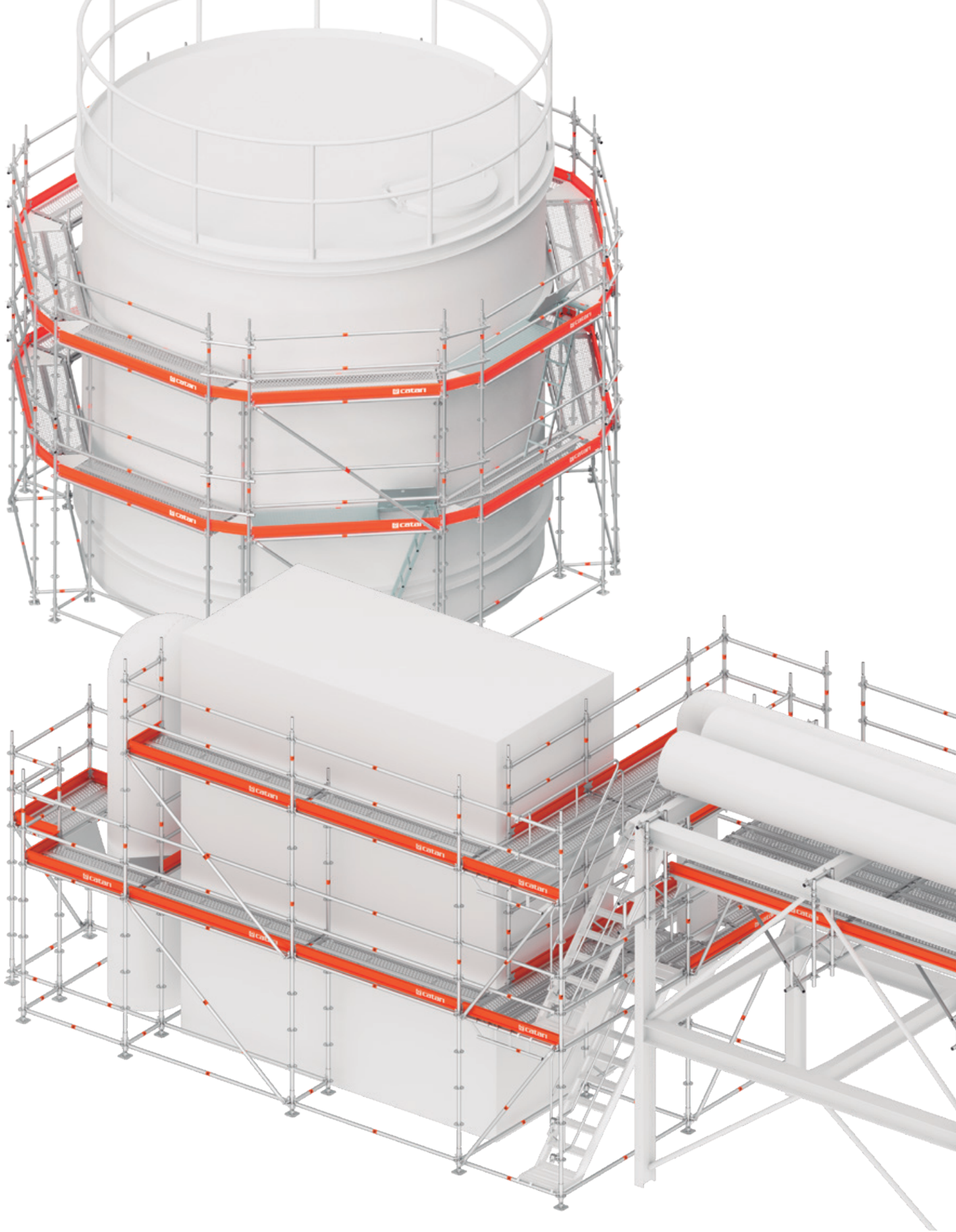
Tested anchorage points for fixing the harness enhance safety for scaffolders.

Possibility of adding guardrails every 50 cm and toe boards covering the full perimeter, enhance safety for end-users.

COST-EFFECTIVE

80% of the components can be reused between applications.

Reduced space consumption during transport and stocking.

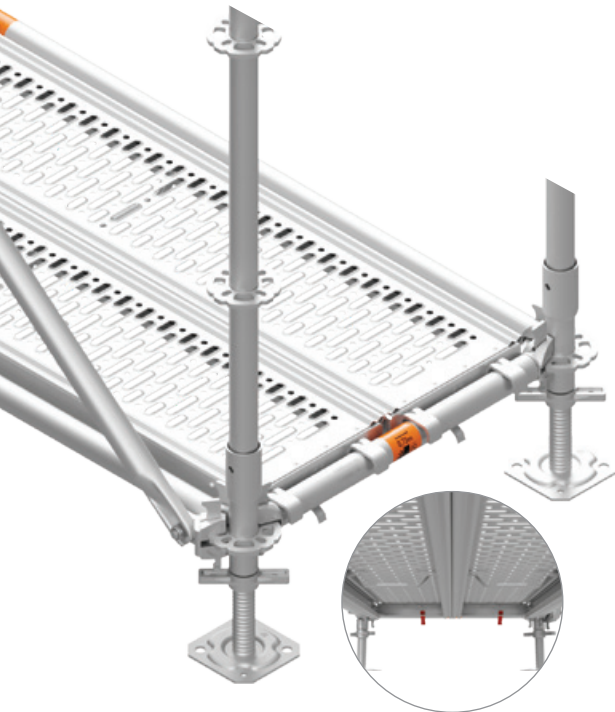
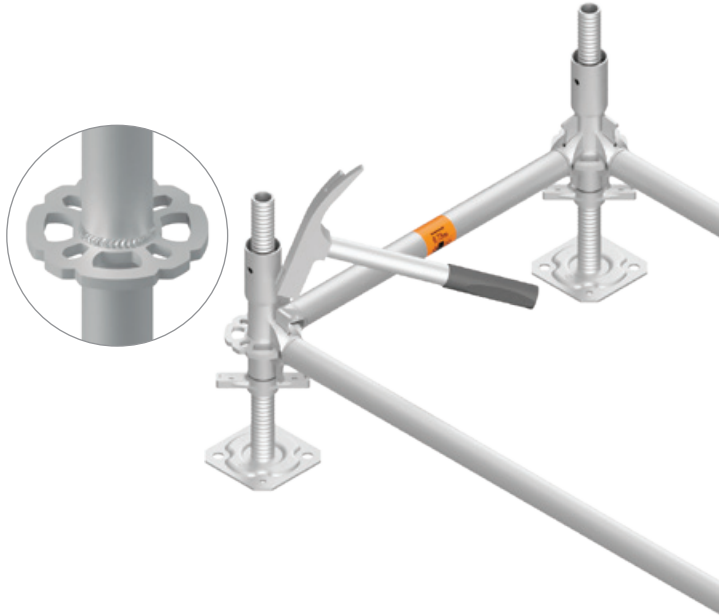


ONE SCAFFOLD, MULTIPLE APPLICATIONS

Since the main components of every scaffold configuration are the same, Catari US® follows just one logical assembly sequence, regardless of the application. As a result, any basic assembly can be achieved just repeating few steps.

UNDERSTANDING THE ROSETTE

Welded to the standards every 50 cm, rosettes contain shaped openings to fix up to eight other components through wedge-clamped heads. These heads exist at the extremity of the system's components and fit exactly round, assuring solid joints with high load-bearing capacity.



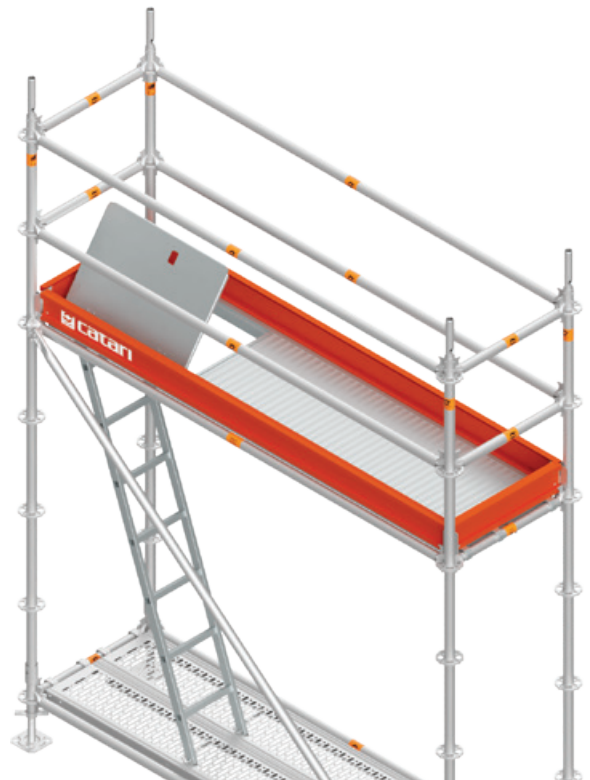
ASSEMBLY WORKFLOW

To extend the scaffold to the required length and width, add to the existing bay as many base jacks as needed.

For additional levels, stack new standards on the spigots of the existing ones. Ledgers, decks and toe boards are then used to create a safe working area.

FURTHER EXPLORING

To explore multiple other configurations in size and shape, main components have several dimensions and varying purposes. In turn, combining accessories will always work to achieve an optimized scaffolding design, taking full advantage of the versatility of the system.







Catari FA-48®
frame scaffold system

Catari FA-48® is a frame scaffold with slide-in fittings that grant a fast, simple and effective assembly.

The range of accessories ensure an easy adaptation to every façade configuration and even further scaffolding applications.



DECK FITTINGS TYPE



HIGH ASSEMBLY RATE

Due to the single-push fittings, components are locked in position without hammering.

Reduced number of components per m².

Each frame equals placing two standards and one ledger.

WIDE RANGE OF ACCESSORIES

Walkway frames and debris retainers to create a safe passage for pedestrians.

Special frames to assemble in slopes, corniches and narrow spaces.

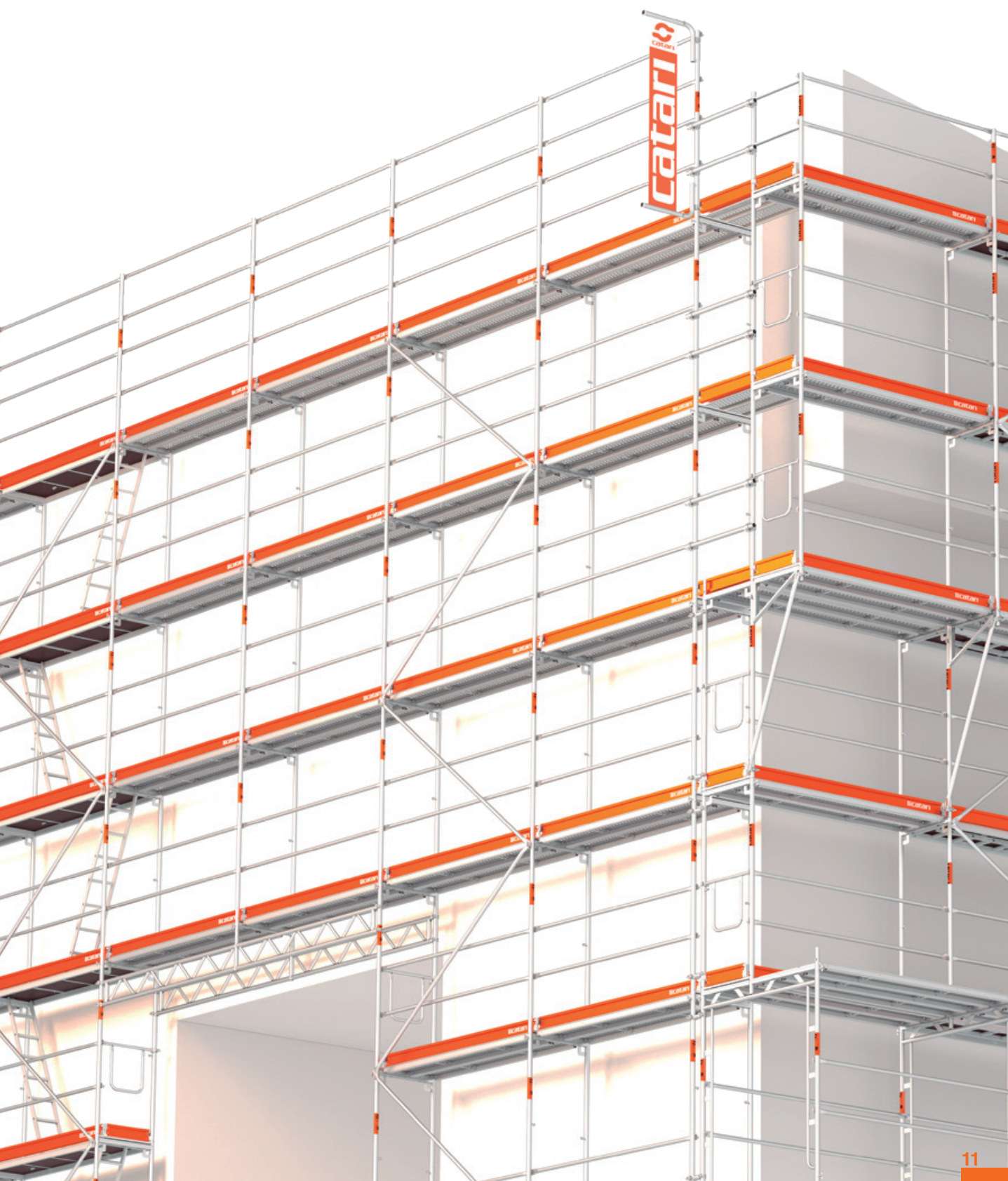
Connection, slim and overlapping decks for a safe working corridor in circular façades and building corners.

Console brackets and lattice beams to extend the working area beyond the line-up.

CATARI US® COMPATIBLE

Decks and staircases can be used with Catari US® U-ledgers.

Catari US® and FA-48® core components have matching grid-size, which benefit scaffolding on complex structures.

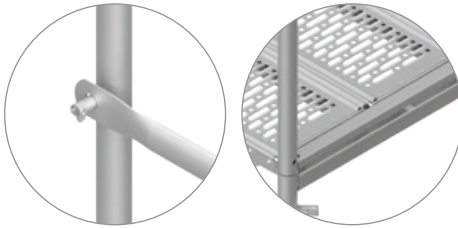


FOR ALL TYPES OF FAÇADE WORKS

Catari FA-48® is designed to have a self-explanatory and efficient workflow, where the main components fit without hammer or other special tools.

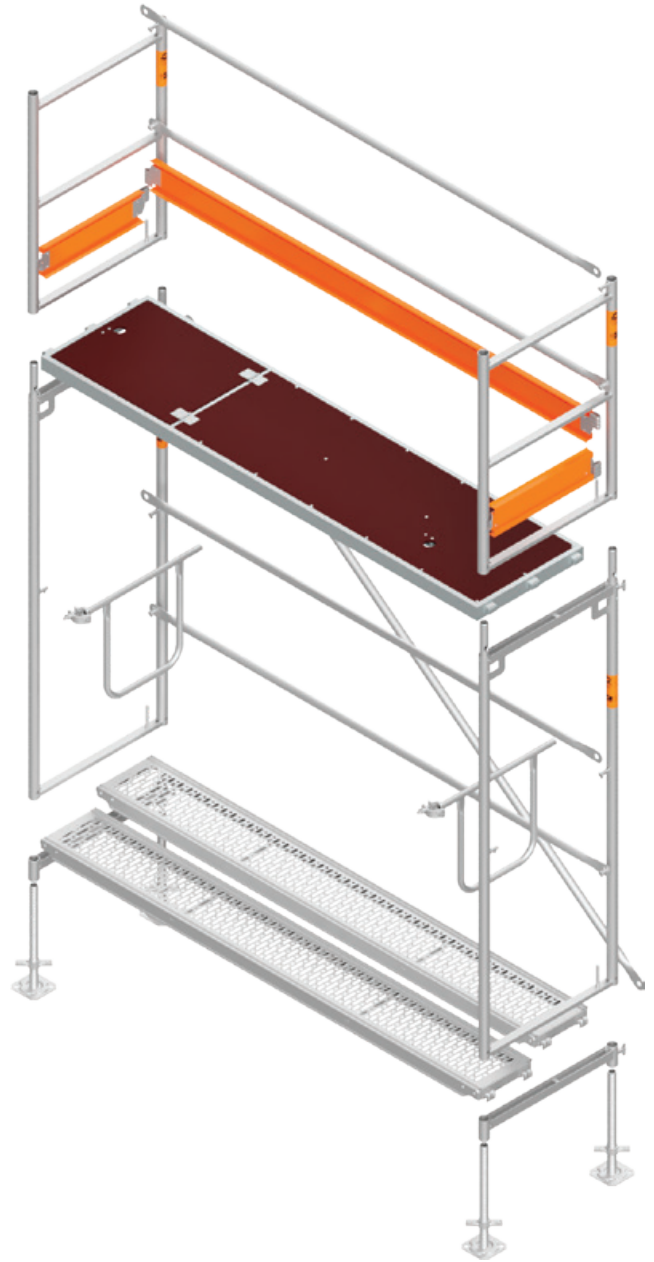
SAFETY COMES EASY USING CATARI FA-48® FRAMES

While the gravity pins of the frames ensure that guardrails and diagonals are fastened with a single push, the built-in spigots grant their correct setting in the upright. Once stacked, the upper frames automatically prevent the decks against accidental lifting or tilting.



QUICK ASSEMBLY

To increase the length of the scaffold, add new frames and connect them with guardrails; to increase the height, stack additional frames on the top of the existing ones; diagonal braces and decks will grant the rigidity of the scaffold, waiving the use of ledgers.



FURTHER EXPLORING

The use of special frames, console brackets, telescopic guardrails and toe boards, castor wheels, lattice beams, slim and corner decks, enhance complex scaffolding on façades, such as circular line-ups, corniches, balconies, porches, building corners and protruding façades.

Stair towers can be assembled for ampler access, using the standard components and pre-assembled stairways elements.

In multi-storey buildings, advanced guardrails can be used to carry on the assembly from the level beneath, as a complementary protection for scaffolders. These guardrails stay afterwards as permanent side protection.





Catari FL
frame scaffold system

Catari FL is a frame scaffold for light façade works, designed to be cost-attractive while granting safety and durability in a simple way.

DECK FITTINGS TYPE



ERGONOMIC FRAMES

Narrow and lighter frames reduce the overall weight per sqm and enhance scaffolders performance.

OPTIMISED PACKING

Lighter guardrails, slimmer decks and narrow frames reduce stocking and transport costs.

PRICE ATTRACTIVE

An entry-level product manufactured with high-strength steel and hot-dipped galvanization as coating.

CONVENIENT PORTFOLIO

The main components are available in two sizes for an improved adaptation to façades.



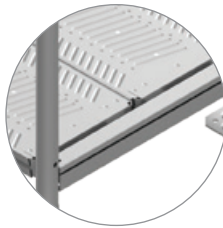
FOR LIGHT FAÇADE WORKS

Catari FL scaffold offers a core portfolio of components and an intuitive assembly, being the top choice for simple façade works up to 40 m height.

SAFE WORKFLOW

Catari FL frame is designed to promote balance between an improved handling and the minimum clearance for a safe working area. Once the frames are stacked, a 60 cm corridor free of gaps or obstacles is ensured. Two sockets allow to fasten simultaneously rear and end-side guardrails. Likewise, the plate at the bottom allows to slide-in the rear and the end-side toe boards.

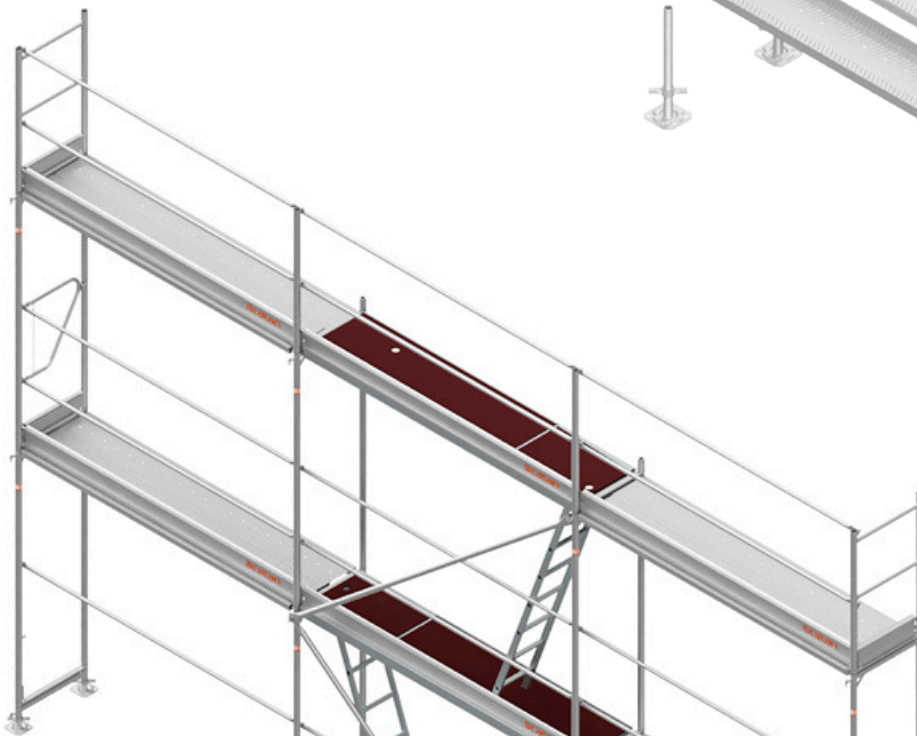
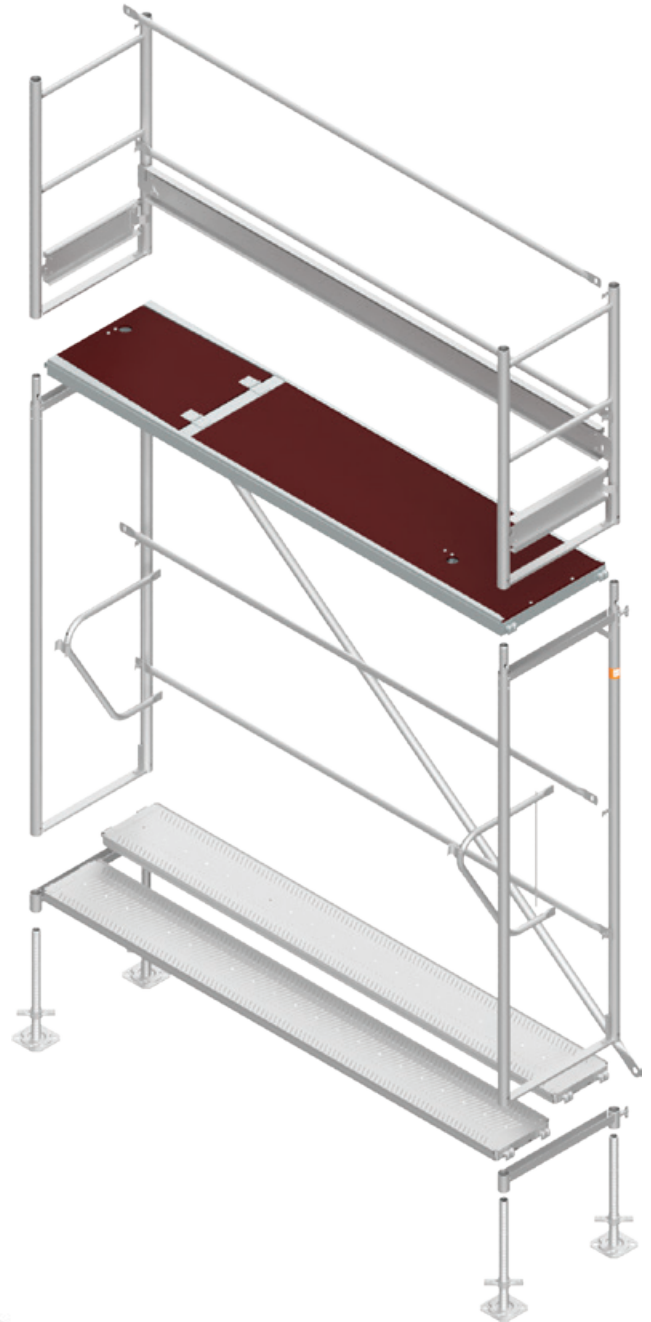
Access decks are available and guarantee that moving between levels is done with minimized falling hazards. When needed, the integrated ladder can be folded so that works can be performed at these bays.



LONG-LASTING CHOICE

In addition to the main components, toe boards and decks are manufactured with galvanized steel which grants to the scaffold a high durability.

Furthermore, the plywood used as floor of the access decks is film-faced so it can be used as structural element in exterior conditions.







Catari Modular Pallets

Transport and storage

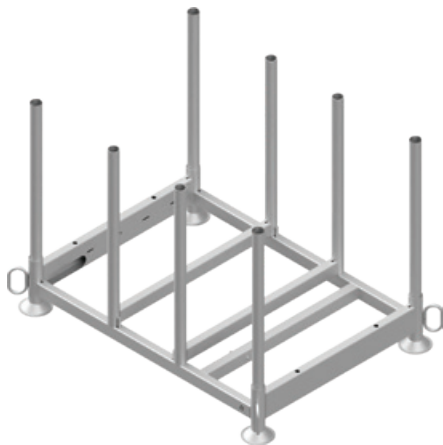


Pack and transport all types of scaffold components, props and unbundled items such as couplers and spigots using Catari Modular Pallets. These multi-trip packaging keep everything in place and minimize time wasted searching for parts.

Additionally, as they can be stacked and repositioned with crane or lift-truck, its usage streamlines the storage and transport to and from the site. When no longer needed, disassemble and repack the vertical tubes inside the pallet itself.

MESH CRATE

Add front, lateral and bottom panels to the modular pallets to create a closed box for all sort of small or unbundled items with a maximum of 1,20 m.



CENTRAL SUPPORTS

Add one or two additional supports at the center of the modular pallets to create a folded packing adjusted to items of 0,73 and 1,09 m.

ENLARGED PALLET

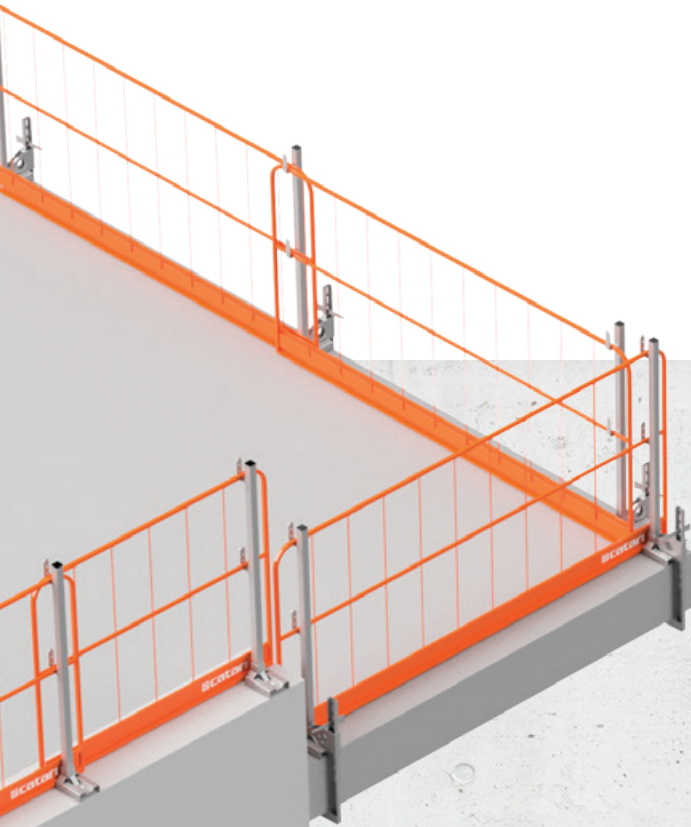
A wider version of the modular pallet is available for packing just steel-decks in an optimized way. Due to its six feet, this version is stackable on the top of the remaining modular pallets.





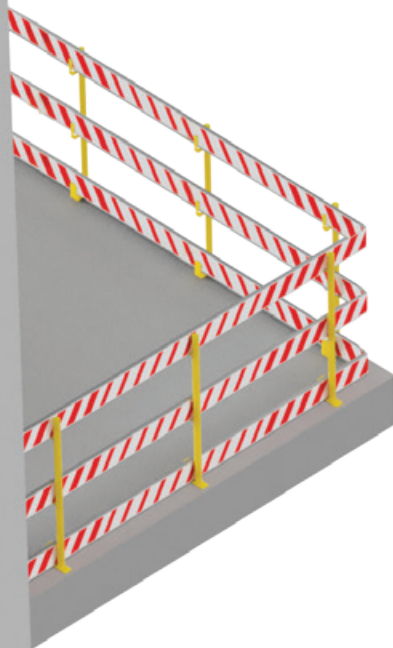


Collective protection equipment



Edge protection

Timber and steel rails or mesh barriers are used for side protection and debris restraint on floor slabs.



STEEL MESH BARRIER

An all-in-one protection, with integrated railings and toe board, for a quicker installation.

The reinforced frame provides a sound fencing even for bays of up to 2,7 m and prevents material damages during handling and transport.

ADJUSTABLE GUARDRAIL POSTS

Posts with adjustable clamps, through built-in screw thread or wedge, to fit any slab thickness, thus not requiring drilling on the concrete.

SOCKET GUARDRAIL POSTS

Posts with socket to be installed by drilling on the concrete.



Collective protection equipment



Crowd control barriers

Used at public events to set out organized queues or as part of crowd management planning.

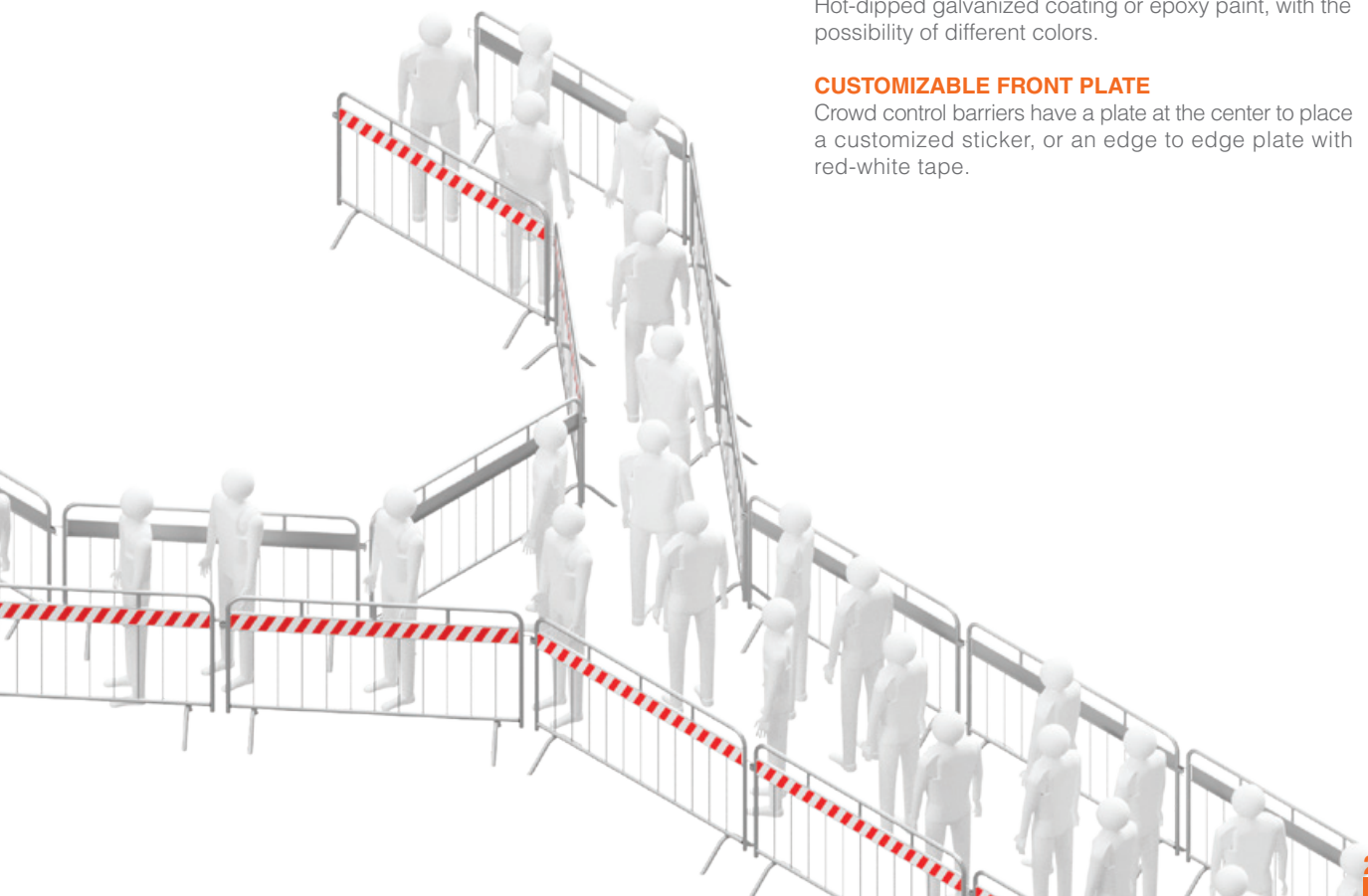
Available in ranging lengths for flexible fencing layout and with fittings welded at the edges for coupling multiple barriers, ensuring a seamless line-up with no breaches along the perimeter.

DIFFERENT FINISHING

Hot-dipped galvanized coating or epoxy paint, with the possibility of different colors.

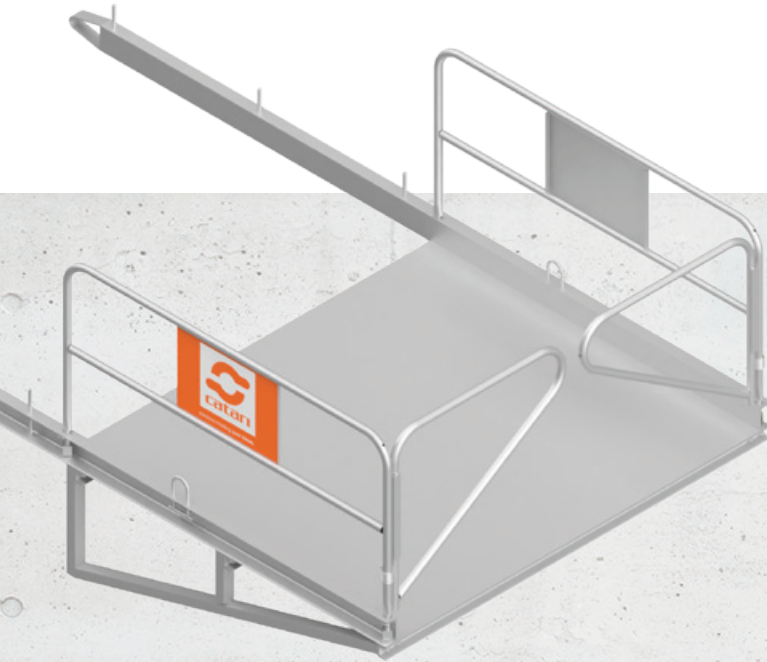
CUSTOMIZABLE FRONT PLATE

Crowd control barriers have a plate at the center to place a customized sticker, or an edge to edge plate with red-white tape.





Collective protection equipment



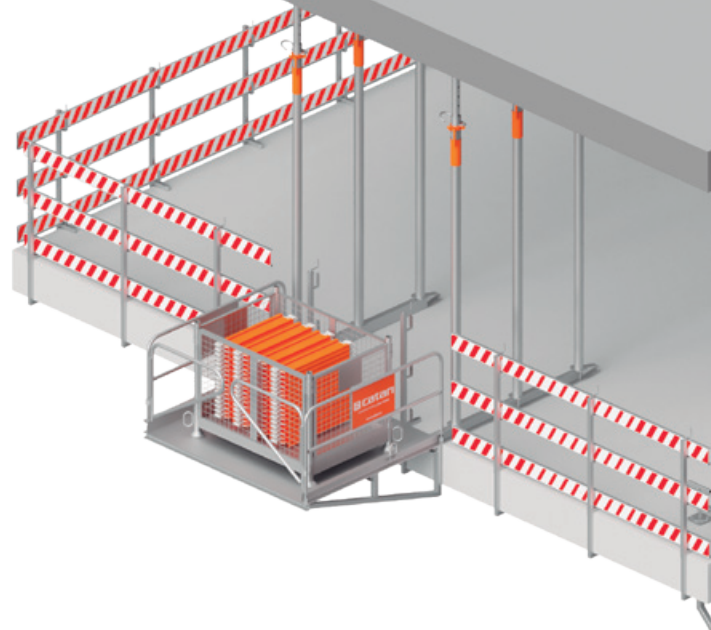
Loading platform

Used in multi-storey buildings to ease the task of carrying materials upwards to a given floor.

Self-gathering gates ensure the working area is enclosed immediately after the crane delivers the materials.

Integrated hooks to fasten the crane and six sockets for props, grant an easy and safe installation.

Foldable guardrails and gates allow to pack the load platforms in just one bundle with reduced volume.



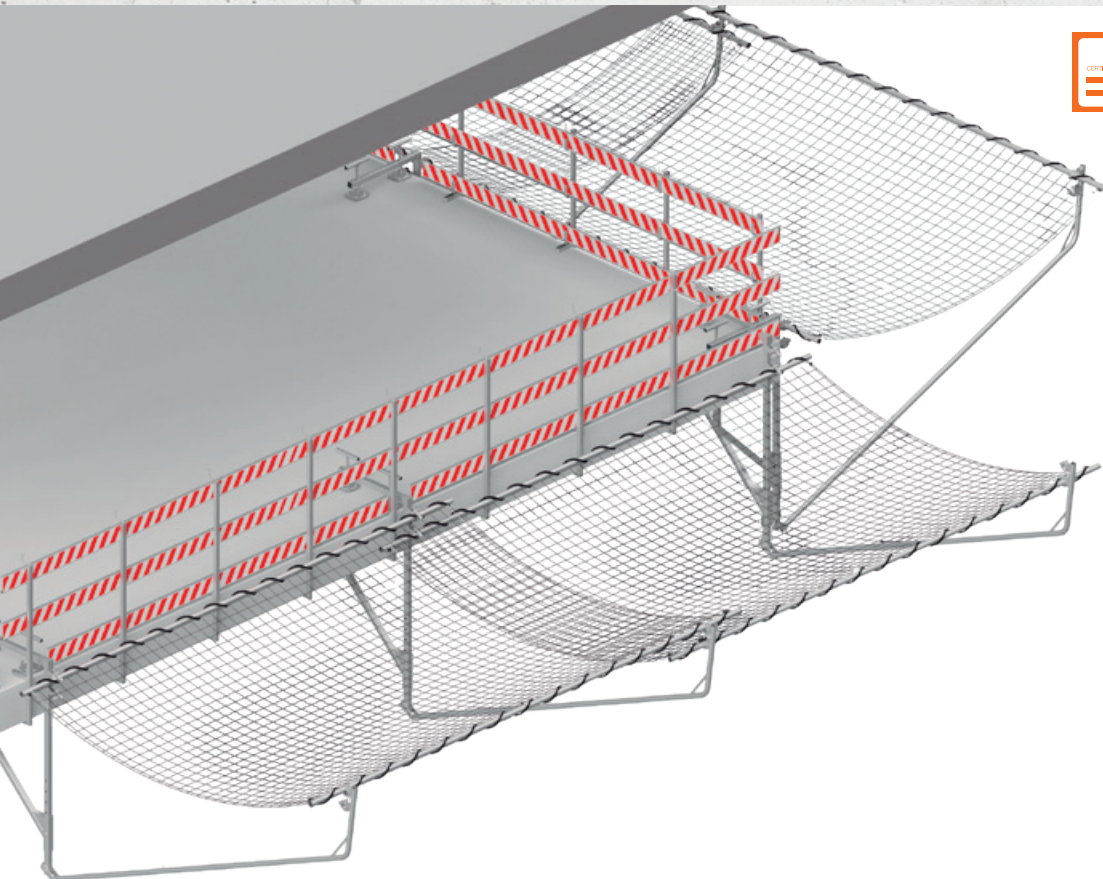


Collective protection equipment



Safety net fan

Safety net fans are pre-assembled units that can be used on any given building to catch, secure and contain falling objects, protecting property, the public and site workers. They are fastened to the building's slabs, covering up to 6 m beneath the working levels, and can be quickly repositioned with crane. Even when assembled, the fan can be retracted for cranes to operate in closer proximity to the building.













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www.catarigroup.com

HEADQUARTERS

Zona industrial do Rossio
Av. da Industria
3730-600 Vale de Cambra
Portugal
phone: (+351) 256 420 890
e-mail: info@catari.pt

ALGERIA

33 Rue Khelifa Boukhalfa
Alger Centre
phone: (+213) (0) 770 64 13 43
e-mail: algerie@catari.pt

CHILE

North delegation:
Parcela 9, Camino Santa Rosa
Lote 10 - Batuco
Santiago (Reg. Metropolitana)
phone: (+56) 2 3223 5030
e-mail: Info@catari-chile.cl

South delegation:

Av. Las Industrias km 504
Los Angeles
VIII Región (Bio-Bio),
phone: (+56) 43 257 1070
e-mail: Info@catari-chile.cl

MOZAMBIQUE

Rua da Machava Nº 343
Matola

phone: (+258) 825 467 326
e-mail: mocambique@catari.pt

PORTUGAL

North delegation:
Rua da Aldeia Nº 457
3885-233 Cortegaça, Ovar
phone: (+351) 256 400 110
e-mail: portugal@catari.pt

South delegation:

Pq Empresarial do Barreiro
Rua 23, Nº 2 Apartado 5057
831-904 Barreiro
phone: (+351) 211 921 201
e-mail: portugal@catari.pt

SPAIN

Centre delegation:
Avenida de las Morcillas 43
Polígono Industrial *La Postura*
28341 Valdemoro, Madrid
phone: (+351) 918 751 107
e-mail: espana@catari.es

Andalucía delegation:

Calle Baleares 275
Parque Empresarial Los Llanos
41909 Salteras, Sevilla
phone: (+351) 211 921 201
e-mail: espana@catari.es

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