

Alsina SAFETY
WORKZONE

CATALOG OF PRODUCT AND SOLUTIONS

COLLECTIVE
PROTECTIONS
INDIVIDUAL
PROTECTIONS
ACCESS
SOLUTIONS





Alsina

Alsina is an international leading company specializing in the design, manufacture, sale and rental of formwork that is in charge of its own engineering systems development for the implementation of concrete structures.

With over 70 years of experience, Alsina is known for its customer-oriented service and its constant investment in research and development over the years, offering efficient solutions for concrete structures that help our customers to improve the efficiency and safety of their projects through a committed and proximity service in the global market, by innovating and investing in people as a fundamental component of the business.



REFERENCE IN HOUSING

One of the biggest keys to the company expansion in the recent years is the export of new building systems that have proven effective for over 40 years in Spain. Mecanoconcept: a mechanized slab formwork system that effectively enables saving time in construction process. Nowadays Alsina is working to introduce the Mecanoconcept system worldwide.



CIVIL ENGINEERING

The Alsina Group has a active presence in Civil Works and transportation projects. The construction of roads, bridges, underpasses, overpasses, tunnels in a mine, etc. Also in Industrial Engineering (energy processing plants, processing plants, etc.) and Maritime Engineering (construction of ports, dikes, dams, etc.).



HYDRAULIC PROJECTS

Alsina is the leading company in supplying formwork systems for the implementation of water projects. More than 500-implemented projects in the recent years support our ability to do this type of project: desalination, water treatment plants, reservoirs, etc. We also offer engineering and calculation processes in order to optimize our range of formwork systems.

“We provide solutions
for concrete structures.”
Together, we move forward.

Alsina SAFETY

WORKZONE

Since our early years, in **Alsina** we have been considering the safety of workers and users of our products, as a central fact when developing products. The improvement of on-site safety standards in construction sites, especially during the execution stage of structures has been our main priority since then.

The creation of **Alsina Safety** constitutes a new step in our solid commitment to contribute in reducing workplace accidents within the construction sector, increasing safety standards on site.

Alsina Safety products are designed to be user-friendly and cost-effective, whilst meeting the most stringent safety regulations and ultimately protecting workers and equipment from the risks associated with working at height.

Relying on **Alsina Safety** means to ensure a reduction in the risk of accidents on sites, obtaining greater profitability thanks to the innovative design of products with easy installation processes, increasing workers motivation and, also, improving the image of your company.

Alsina, always at the forefront of safety products for construction. **We create safe workzones.**



COLLECTIVE PROTECTIONS



**HANDSET EDGE
PROTECTION SCREEN**



SAFETY RAILINGS



CATCHFAN

INDIVIDUAL PROTECTIONS



ALSIPERCHA



ALUPERCHA

COMBINABLE WITH:

- Housing tube
- Wall bracket
- Column clamps
- MBU - Mobile base unit
- Tripod
- MF Counterweight
- Post for reduced spaces
- Rail

ACCESS SOLUTIONS



**SITE STAIR
TOWER**



**MODULAR STAIR
TOWER**



**MOBILE WORK
PLATFORM**



SITE STAIRWAY VX



**ACCESS
PASSERELLE**



**ZONE ACCESS
SCISSORGATE**



**REINFORCED
SCAFFOLD**



HANDSET EDGE PROTECTION SCREEN

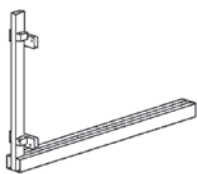
- Temporary Edge Protection system, avoid the fall of objects and persons.
- Provides comprehensive fall protection during the execution of the horizontal formwork stage, and during the stage prior to the closures.
- Installation by hand: remove the need of crane for installation, reducing costs and time.
- Robust and ergonomic system, is manufactured with HQ materials providing a high resistance.
- No interference with other project stages during installation or use.
- Wide range of accessories and supports that provides high versatility and adaptability to all kind of different geometries.
- Cost-effective solution in comparison to high labor costs needed for installation of other systems on the market.
- Productivity: confidence of workers is improved due to the increase of the feeling that are fully protected at all times and stages.



**Installation
by hand**

EN-13374-A/B – EN-1263-1/2

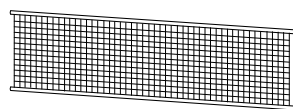
MAIN ELEMENTS



**MAIN STARTING
CONSOLE**



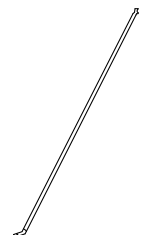
**ELEVATION
STRUCTURAL GUIDE**



FULL NET KIT



**CONNECTING
PULLEYS**



**SUPPORTING
STRUT**




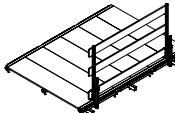
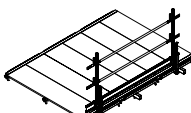

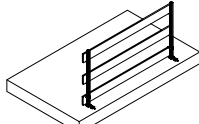
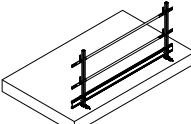
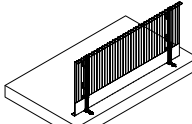
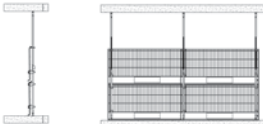
Alsina SAFETY WORKZONE **vertemax**

SAFETY RAILINGS

 **Installation
by hand**

- Temporary edge protection system to prevent falls from height of workers and objects.
- Multiple components to provide systemized protection that conforms to EN 13374
- Solutions for installing to formwork or drilling to slabs or walls.
- Provides strong and effective edge protection during horizontal formwork assembly.
- Protect workers against falls from edges until the stage of finish begins.
- The combination Steel Barriers + Compression Post offers: Full containment up to 2,35m height between slabs and a quick and fast Installation process, with no need to anchor slabs.

 EN 13374 – Class A

	WOODEN RAILINGS	STEEL RAILINGS	STEEL BARRIERS	SB + COMPRESSION POST
FORMWORK				
SLABS				

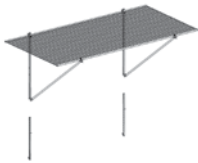
CATCHFAN



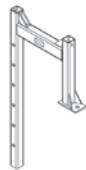
- Designed to absorb the energy of falling objects, mitigating against objects causing danger to the public or damage to property.
- Provides an excellent collective protection solution beyond the leading edge.
- Bespoke solutions available to serve space or height restricted sites.
- Capable of arresting a 100kg mass twice on any part of the system from a 7m drop height.
- Catchfan has a double layer of net made up of 60 x 60 mm and 20 x 20 mm overlay manufactured from polypropylene.
- Yearly in-house net testing to ensure the nets structural integrity throughout its four-year life span.
- Catchfan 4m and 6m versions project 3.2m from the buildings edge.
- Versatile range of accessories enable use on both reinforced concrete, steel frames and scaffolding.

MAIN ELEMENTS

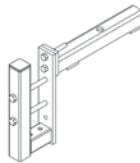
EN-1263-1 Tipo T



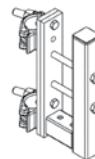
CATCHFAN 4 – 6M



SLAB FIX



SLAB WALL FIX



**SCAFFOLD
ATTACHMENT**



**CATCHFAN
CORNER UNIT**





ALSIPERCHA + HOUSING TUBE

- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- To be moved and installed by use of a crane.
- Installed into a housing tube previously inserted into the concrete structure (column/wall).
- Provides a smooth 360° rotation, covering a safe working area of up to approximately 125m².
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- Protect users from falls from heights, specially during the structure building phase: positioning of panels, perimeter protection and stairwells, risers, gallows-type nets, etc.
- Up to 2 users connected at the same time.



**Installation
with crane**

EN:795:2012 – Tipo B
 ANSI/ASSE Z359.18-2017 Type D
 CSA Z259.16

MAIN ELEMENTS



ALSIPERCHA



HOUSING TUBE



LEVELER



HOOK



**RETRACTABLE
DEVICE**



HARNESS



SLING



ALUPERCHA + HOUSING TUBE



- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- Manual installation without the need for a crane thanks to its light weight: 19 kg.
- Installed into a housing tube previously inserted into the concrete structure (column/wall).
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- Provides a smooth 360° rotation, covering a safe working area of up to approximately 125m².
- Easy, intuitive installation. Cost effective: no crane need.
- Protect users from falls from heights, specially during the structure building phase: positioning of panels, perimeter protection and stairwells, etc.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

EN:795:2012 – Tipo B
ANSI/ASSE Z359.18-2017 Type D



ALUPERCHA



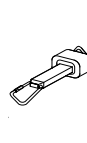
HOUSING TUBE



LEVELER



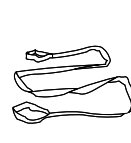
HOOK



RETRACTABLE
DEVICE



HARNESS



SLING

ALSIPERCHA / ALUPERCHA



+ WALL BRACKET

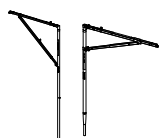


Installation
with crane / by hand

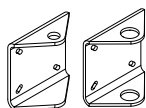
- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- Installation using brackets connected to reinforced concrete wall, providing an anchoring point at variable heights.
- Easy, intuitive installation, it can be installed in barely a few minutes.
- The user is connected using a fall arrester device that is connected to the Alsipercha/Alupercha and to the harness.
- Protect users from falls from heights during maintenance work in industrial environments, loading and unloading trucks, perimeters, etc.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

 EN:795:2012 – Tipo B
 ANSI/ASSE Z359.18-2017 Type D



**ALSIPERCHA
ALUPERCHA**



WALL BRACKET



HOOK



**RETRACTABLE
DEVICE**



HARNES



SLING








ALSIPERCHA / ALUPERCHA + COLUMN CLAMPS



Installation
with crane / by hand

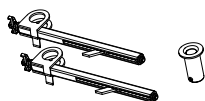
- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- Installation using a set of 2 adjustable clamps (120-450 mm), covering most of HEB, IPN, IPE-type sections.
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- User is connected using a fall arrester device that is connected to the Alsipercha/Alupercha and to the harness.
- Easy, intuitive installation, it can be installed in barely a few minutes.
- Protect users from falls from heights during maintenance work in industrial environments, loading and unloading trucks, work on perimeters.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

 EN:795:2012 – Tipo B
 ANSI/ASSE Z359.18-2017 Type D
 CSA Z259.16



**ALSIPERCHA
ALUPERCHA**



SET OF COLUMN CLAMPS



HOOK



**RETRACTABLE
DEVICE**



HARNESS



SLING

ALSIPERCHA / ALUPERCHA

+ MBU (MOBILE BASE UNIT)

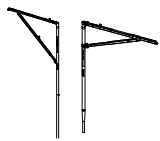


Installation
with crane / by hand

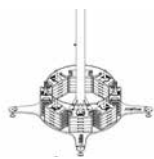
- Portable system that protect users from falls during work at heights. (Fall factor 0).
- Easy, intuitive installation, it can be installed and relocated in barely a few minutes.
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- 25 Kg counterweights for easier assembly/disassembly and relocation.
- Built-in leveling legs to correct gradients of up to 10°.
- User with harness is connected to the Alsipercha / Alupercha by a SRL.
- Protect workers at heights during maintenance work in industrial environments, loading and unloading trucks, maintenance on trains, etc.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

EN:795:2012 – Tipo E
ANSI/ASSE Z359.18-2017 Type D



**ALSIPERCHA
ALUPERCHA**



PORTABLE BASE



HOOK



**RETRACTABLE
DEVICE**



HARNESS



SLING





ALSIPERCHA / ALUPERCHA + TRIPOD



Installation
with crane / by hand

- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- Installation on previously anchored tripod, providing a 6.5m high anchoring point.
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- The user is connected using a fall arrester device that is connected to the Alsipercha/Alupercha and to the harness.
- Easy, intuitive installation, it can be installed in barely a few minutes.
- Protect users from falls from heights during maintenance work in industrial environments, loading and unloading trucks, work on perimeters, etc.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

EN:795:2012 – Tipo B
 ANSI/ASSE Z359.18-2017 Type D
 CSA Z259.16



**ALSIPERCHA
ALUPERCHA**



TRIPOD



HOOK



**RETRACTABLE
DEVICE**



HARNESS



SLING

ALSIPERCHA / ALUPERCHA

+ MF COUNTERWEIGHT



Installation
with crane / by hand

- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- Structure that uses the weight of the truck as a counterweight, providing a 6.5m high anchoring point.
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- Versatile use on multiple surfaces. No anchoring required.
- Adjustable supports to correct unevenness on the installation surface.
- The user is connected using a fall arrester device that is connected to the Alsipercha/Alupercha and to the harness.
- Protect users from falls from heights during the loading and unloading phase over vehicles.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

EN:795:2012 – Tipo E
ANSI/ASSE Z359.18-2017 Type D



**ALSIPERCHA
ALUPERCHA**



MF COUNTERWEIGHT



HOOK



**RETRACTABLE
DEVICE**



HARNES



SLING





Alsina SAFETY FALLPROTEC
WORKZONE

ALSIPERCHA / ALUPERCHA POST FOR REDUCED SPACES



Installation
with crane / by hand

- Overhead fall protection system that protect users from falls during work at heights (Fall factor 0).
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- Provides a safe anchor point at 6,5m height.
- Easy, intuitive installation, it can be installed in barely a few minutes.
- The small dimensions of the post base (ø350mm) allows for installation in reduced spaces.
- The user is connected using a fall arrester device that is connected to the Alsipercha/Alupercha and to the harness.
- Protect users from falls from heights during maintenance work in industrial environments, loading and unloading trucks, etc.
- Up to 2 users connected at the same time.

MAIN ELEMENTS

EN:795:2012 – Tipo B
ANSI/ASSE Z359.18-2017 Type D



ALSIPERCHA
ALUPERCHA



POST FOR
REDUCED SPACES



HOOK



RETRACTABLE
DEVICE



HARNESS



SLING

ALSIPERCHA / ALUPERCHA + RAIL



Installation
with crane / by hand

- Overhead fall protection system that protect users from falls during work at heights. (Fall factor 0).
- Built-in energy-absorbing device that reduces the impact forces transferred to the user and to the structure in the event of a fall.
- Alsipercha/Alupercha combination with rigid lifeline. Up to 2 users at the same time per 6m span.
- Easy, intuitive installation. Installation in just a few hours.
- The user is connected using a fall arrester device that is connected to the Alsipercha/Alupercha and to the harness.
- Protect users from falls from heights during maintenance work in industrial environments, loading and unloading trucks, maintenance on trains, buses, etc.

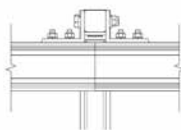
AVAILABLE COMBINATIONS	Alsipercha Alupercha	+ Column Clamps	+ Rail
		+ Tripod	
		+ MF Counterweight	
		+ Post for Reduced Spaces	
		+ Wall Bracket	
		+ Mobile Base Unit (MBU)	

MAIN ELEMENTS

EN:795:2012 – Tipo D
ANSI/ASSE Z359.18-2017 Type D



**ALSIPERCHA
ALUPERCHA**



RAIL ASSEMBLY



HOOK



**RETRACTABLE
DEVICE**



HARNES



SLING





SITE STAIR TOWER



- Auxiliary system designed to facilitate the access and movements of workers on site.
- The Site Stair Tower base, with 1,57m x 2,57m, has various sections allowing access to even and uneven height ranges, braced to structural elements.
- Versatile: The multidirectional elements allow multiple applications on site.
- Cost-effective: Easy assembly process without special tools, it can be adapted to multiple dimensions.
- Multidirectional connection technique (8 connections in an angle) allowing quick and easy assembly.
- Light components easy to store on site.
- Highly resistant and durable materials (steel and aluminum).

MAIN ELEMENTS



ACCESS LADDER
2,57



STANDARD



LEDGER TUBE



DIAGONAL BRACE



BRIDGE BEAM "U"



BASE JACK

MODULAR STAIR TOWER



- Provides effective and safe access at important heights.
- Fast installation and cost-effective stair tower solution.
- No need for certified scaffolders to erect this kind of stairs.
- Flexibility and mobility for the user, with just 3 main components (base / module /gate).
- All levels can be accessed without modification.
- Manufactured with strong galvanized materials.
- Compact footprint, it can be installed in narrow places.
- Configuration in modules, reaching a maximum 20m of height with no need to additional calculations.

MAIN ELEMENTS



BASE



MODULES



MODULE + ACCESS GATE





SITE STAIRWAY VX

- Provides effective and safe temporary access between floors levels in jobsites.
- Stair treads manufactured using heavy duty mesh design, creating a non-slip surface ensuring strength and safety are not compromised.
- Can be secured to concrete slabs or scaffolding.
- Available in 5 independent sizes: 6, 9, 12, 15 and 18 steps.
- Collapsible design feature, lifting hooks and removable folding handrails simplify transport and storage issues.
- Stair treads align horizontally to a range of pitch angles and easily lock once in position, offering safety and versatility.
- Fast and easy installation.
- A smart, adjustable stair design, which can accommodate a range of pitch angles, allowing rapid installation into any site.



EN-12811-1

AVAILABLE MODELS



STAIRWAY 6 STEPS



STAIRWAY 9 STEPS



STAIRWAY 12 STEPS



STAIRWAY 15 STEPS



STAIRWAY 18 STEPS



MOBILE WORK PLATFORM



- The Alsina Mobile Work Platform, made with multidirectional connection techniques and elements, is an accessory that allows safe work at heights, mainly used in concrete work and vibration of concrete columns and walls.
- The system is self-stabilizing, including elements which reinforce safety, such as baseboard, guardrail and intermediate guardrail, in compliance with current standards.
- Multidirectional connection technique (8 connections in an angle) allowing quick and easy assembly.
- For use with columns ranging from 3 to 9 metres high.
- 4 wheels with brake included, for easy horizontal movement and accessories for vertical movement with crane.
- Highly resistant and durable materials (steel and aluminium).
- Designed and manufactured according to current European Standards.

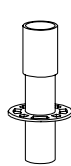
MAIN ELEMENTS



**PLATFORM
WITH A HATCH/
STAIRWAY**



**700 WHEEL W/ADJ.
BASE**



BASE COLLAR



STANDARD



LEDGER TUBE



DIAGONAL BRACE

ACCESS PASSERELLE



- Safe and simple temporary bridging solution ideal for small trenches, streams and ditches.
- Lifting hooks for easy loading.
- Stackable for easy storage and transport.
- Anti-slip surface which makes it an excellent solution for application in all weathers and a variety of site environments.
- Fold away handrails for simple assembly and transport between sites.
- Available in four lengths (2m – 3m – 4m – 6m).
- High integrated toe board.
- Strong and lightweight aluminium construction.

AVAILABLE MODELS



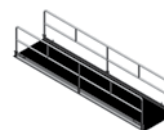
PASSERELLE 2M



PASSERELLE 3M



PASSERELLE 4M



PASSERELLE 6M





Alsina SAFETY
WORKZONE

vertemax

ZONE ACCESS SCISSORGATE



**Installation
by hand**

- Easy to install foldable gate to perfect delimitation of potential dangerous areas in jobsites.
- Zone off areas quickly and safely.
- Robust design, and high visibility reflective strips.
- Flexibility to bolt multiple Zone Access Scissorgates together.
- Punctureless tyres to allow good mobility and easy movement across any terrain.
- Optional brake for additional security.
- Compact design for easy storage and transit.

POSSIBLE CONFIGURATIONS



SINGLE ZONE ACCESS SCISSORGATE



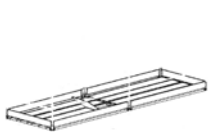
EXTENDED ZONE ACCESS SCISSORGATE

REINFORCED SCAFFOLD

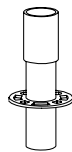


- The Reinforced Scaffold provides a series of platforms and accesses for work at heights in complete safety, such as the placement of ironwork or formwork or the pouring of concrete on walls.
- The Reinforced Scaffold can be used to paint facades, or other activities related to the final finish of vertical structures like pouring and vibrating of concrete in walls.
- Multidirectional connection technique (8 connections in an angle) allowing quick and easy assembly.
- Multiple sizes and a complete range of accessories for maximum flexibility.
- 4 wheels with brake included, for easy horizontal movement and accessories for vertical movement with a crane.
- Light components easy to store on site.
- Highly resistant and durable materials.

MAIN ELEMENTS



BASEBOARD



BASE COLLAR



STANDARD



LEDGER TUBE



DIAGONAL BRACE



BASE JACK



Alsina SAFETY

WORKZONE

CREATING SAFE
WORKZONES



GLOBAL PRESENCE

North America

United States
Mexico

South America

Chile
Colombia
Panama
Paraguay
Peru
Uruguay

Europe & North Africa

Spain
Italy
Morocco
Poland
Portugal
Romania

Middle East and India

United Arab Emirates
India

Southeast Asian

Alsina

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2021 - 040ENMZ