Sicurpal®
Lifelines fall protection systems

SAFETY LIFELINES TECHNICAL CATALOGUE

sicurpal.com

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Contents

2	HISTORY
4	MISSION
6	SERVICES
10	CATALOGUE PRESENTATION
14	TRAINING
18	REGULATIONS
20	OUR ADDED VALUES
25	PBS
33	PTV
41	LVB
49	SICURSLIM
59	BASIC LINE
71	SHED LINE
79	SICURLAM
89	SICURGRAF
97	SICURTERM
107	SICURAIR
115	ALURAIL
131	COMBO
135	FALL PROTECTION ANCHOR POINTS
151	MOUNTING AND TESTING ACCESSORIES
173	PPE
179	GLOSSARY

Founding of Sicurpal

The business idea of Mr. Morandi, set off an immediate market reaction, paving the way for the creation of Sicurpal S.r.l., whose range of products aims to solve one of the primary causes of death at work: falls from height.

Sicurpal creates the first test area to certify its products

Conscious of the need to test every new product introduced to the market in accordance with UNI EN 795:2012 regulations, Sicurpal created its own test facility to check the resistance of devices and roof fixings and to design products that reduce structural loads to a minimum.

The company expands to cover the entire national territory

In 2004, after taking on carpenters, the company developed an internal production department: Sicurpal opened its new headquarters in Villavara di Bomporto in 2006.

With 850 m_2 and an expanding sales network, the company was able to reach customers all over Italy with a "turnkey" service going from the initial inspection to costings, from design to installation and, finally, to post sales assistance.

During these years the family company was completed by his wife Francesca and their son Gabriele who would be followed, in 2011, by their daughter Giulia.

Sicurpal obtains ISO 9001 certification

In 2007, by now established in the safety field, Sicurpal decided to contact TÜV SÜD Italia to certify the quality of its production processes through ISO 9001 certification, which still allows the company to stand out within the Italian market.

A new face for Sicurpal and the launch of Sicurform

Sicurpal reconfirmed itself as being positive and confident: despite the crisis affecting, among others, the construction and security sectors, the company was trading with a renewed brand, new products and new ranges to be more closely aligned to customer requests.

2013 also saw the launch of the new training company Sicurform Srl, the result of the Sicurpal experience, which confirmed the commitment to pursue and spread safety culture.

Continuing to grow: a new Italian HQ and expansion abroad

Sicurpal opened their new company headquarters in Bastiglia: 1800 m^2 dedicated to safety with a renovated workshop, a large warehouse and an increasingly organized team. The company also opened a new testing laboratory able to reproduce a real safety lifeline of up to 80 m and to simulate the effects of an operator fall. In this plant, among the most advanced in Italy, all products are subjected to tests according to standards:

- UNI EN 795:2012
- CEN/TS 16415:2013
- UNI 11578:2015

In 2016, building on its growth, Sicurpal decided to open up to foreign markets by exporting Made in Italy quality, while retaining the family environment and customer care.

Industry 4.0

Sicurpal, always attentive to market demands and committed to the evolution of its business activities, has started a 360° modernisation process, starting with their production systems all the way up to the internal organisation, in order to optimize performance effectively and efficiently. Particular focus has been given to the products, now equipped with electronic devices able to help professionals using applications with intelligent interfaces.

Sicurpal celebrates its 25th anniversary

In 2022, Sicurpal and its personnel proudly celebrate their 25th business anniversary. A long period that has seen major product developments, the acquisition of a new shed, new machinery and new vertical warehouse systems: a continuous and constant commitment to improving our all-round efficiency and reliability.

Mission

Since 1997, we have protected worker safety by creating high quality products that guard against falls from height. Strengthened by years of experience, we continually seek cutting-edge solutions for safety at height.

Our pursuit of excellence in production is accompanied by our commitment to internal training and by professionals working in the height safety field, a commitment that took shape in 2013 with the creation of SICURFORM, a training company that aims to address SAFETY problems.

Added value

Our added value can be identified in our teamwork and knowledge sharing: we are producers, designers, installers and verifiers with a know-how acquired in the field to offer ad hoc solutions that satisfy every customer request.

Associated choices

Our associative choices reflect the commitment we have to spreading the safety culture:

- **We are UNI members** bringing our contribution to the main Italian regulatory body.
- **We are members of AIPAA** (Italian Association for Anti-Fall and Accident Prevention) to spread the safety culture, matching ourselves against the excellence of the sector.
- **We are P.I.L.E.** (Guttering and Drainage Building Contractors Manufacturers) to meet and receive information directly from those in the know.

UNI EN ISO 9001:2015
CERTIFICATION
Number 50 100 10366
– Rev. 004

For twenty-five years, we have been protecting the safety of workers at height.

Sicurpal is working at height safety

Experience and attention to quality are the prerequisites for making our products unique, considering the life of the worker who relies on them is also unique.

Site inspections and free quotes

Specialised technicians are available to analyse and evaluate the needs of our clients, enabling ad hoc solutions.

Planning and technical assistance

Specialized engineers are able to produce documents required by law or to provide technical support for their preparation. This documentation includes the technical reports of the cover and structural verification of the anchors and of the support structure.

Supply of materials

Raw materials and materials certified according to the regulations in force.

Installation and installation inspections

A staff of qualified and trained operators ensures the correct installation and testing of the systems, with certification of correct assembly.

Recovery of installed systems with missing documentation

Our professionals are able to supply the necessary documents even for existing systems overseen within the project, subject to an assessment of the plant's conditions and compliance requirements.

Routine Maintenance

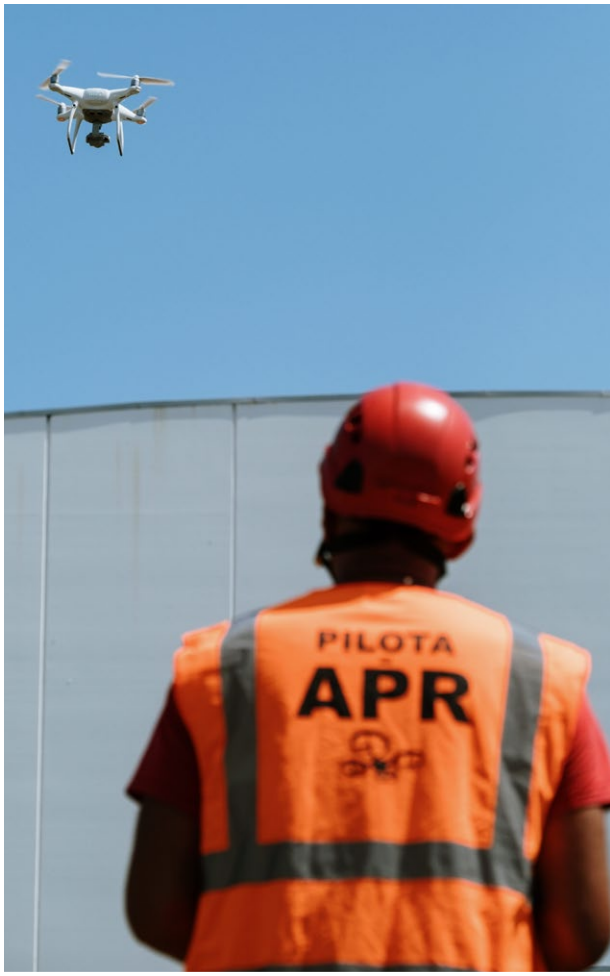
Carried out by our own qualified staff equipped with electronic equipment capable of documenting each test with graphics to guarantee the quality of the service.

Site inspections and free quotes

In order to provide the best possible service to our customers, Sicurpal offers free site inspections throughout Italy, thanks to its network of dealers and agents.

We can rely on our in-house designers and technicians who will be at your side to recommend solutions for securing any area where there is a risk of falling. Our technicians are able to customize a quote to meet the client's specific needs.

The main sectors in which we operate are civil, industrial, historical, green energy and confined spaces.



Supply of materials

Our production department receives raw materials as laser-cut or rough rods, after which it is processed to make the finished product.

Our suppliers are carefully selected based on strict quality control in order for us to provide the best products on the market.

Our workshop can boast:

- Automated warehouses for material storage
- Systematic spatial division of the processing phases
- Machinery and operators capable of processing materials in stainless and galvanized steel
- Compliance with certifications and current standards for raw materials and products
- Management of the entire supply chain to ensure product traceability

Recovery of installed systems with missing documentation

Our company requires the inspection of lifelines and anchorage systems at least every 2 years.

Sicurpal is able to carry out upgrades of existing systems of all brands, guaranteeing maximum assistance and collaboration in order to carry out all the checks required by current regulations.

In order to be able to overhaul existing systems, Sicurpal requires the documents relative to the installation itself and the certificates of conformity of the product. It is important to note that without the manufacturer's certification of conformity it is not possible to use and overhaul an installed system, which must therefore be replaced.

Planning and technical assistance

Sicurpal has a staff of engineers able to carry out the most complex projects, even where devices and systems are located in multiple installation sites.

Our technicians are able to produce all the documentation required by the regulations relating to the anchor systems, or to provide technical support for their preparation.

Installation and installation inspections

The installation of a fall arrest system must be carried out according to the prescriptions of the project and the technical manual to guarantee the seal according to the UNI EN 795:2012 standards. At the end of the assembly process it is mandatory to carry out an inspection on the assembly and to verify the installation of the anchors.

The installer, by completing the declaration of correct assembly, assumes full responsibility for the execution of the work in a competent manner.

For the assembly and inspection, Sicurpal uses highly qualified in-house installers supplied with appropriate equipment to reproduce the loads on the fasteners required by the technical standards (UNI EN 795:2012) and to detect, read and record the tests. The Sicurpal equipment allows one to draw up and issue official and complete documentation on the results and on the execution of the various inspection tests.

Inspections to fall arrest systems

The responsibility for planning periodic inspections generally lies with the client or owner of the property.

In the event of a fall arrest by the system, an extraordinary inspection is also required before further use is permitted.

SAFETY LIFELINES AND ANCHOR SYSTEMS

A complete and innovative catalogue of products, with 25 years of know-how.

A wide range of anchor devices designed to guarantee the safety of all operators who carry out work and maintenance at height using PPE Cat.III.

To complete the products there is a wide range of accessories for fixing and waterproofing.

There is also equipment for installation, maintenance and testing, specifically designed by Sicurpal to carry out and streamline the work of the operators.

From this perspective, from 2019, Sicurpal offers cloud services for the drafting, management and archiving of all forms, contributing to the reduction of costs for operators in the sector.

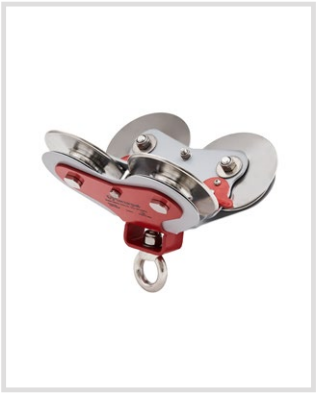
In recent years, we have developed the BIM modelling of our lifelines with the help of professional technical engineers in order to offer professionals an additional service in line with the new requirements of public authorities.

BIM

Further information is available about our products on our web site **www.sicurpal.com**

Certifications

- UNI EN 795:2012 – Anchor devices
- CEN/TS 16415:2013 – Use of the anchor system by several people at the same time
- UNI 11578:2015 – Anchor devices intended for permanent installation – Requirements and test methods



GUARDRAILS, WALKWAYS AND LADDERS

A complete catalogue for collective protection.

A complete range of aluminium products designed to meet multiple design and installation requirements, thanks to their scalability.

The range offered consists not only of products for the protection of machinery, but also of solutions designed for construction, with products specifically sized to comply with current regulations.

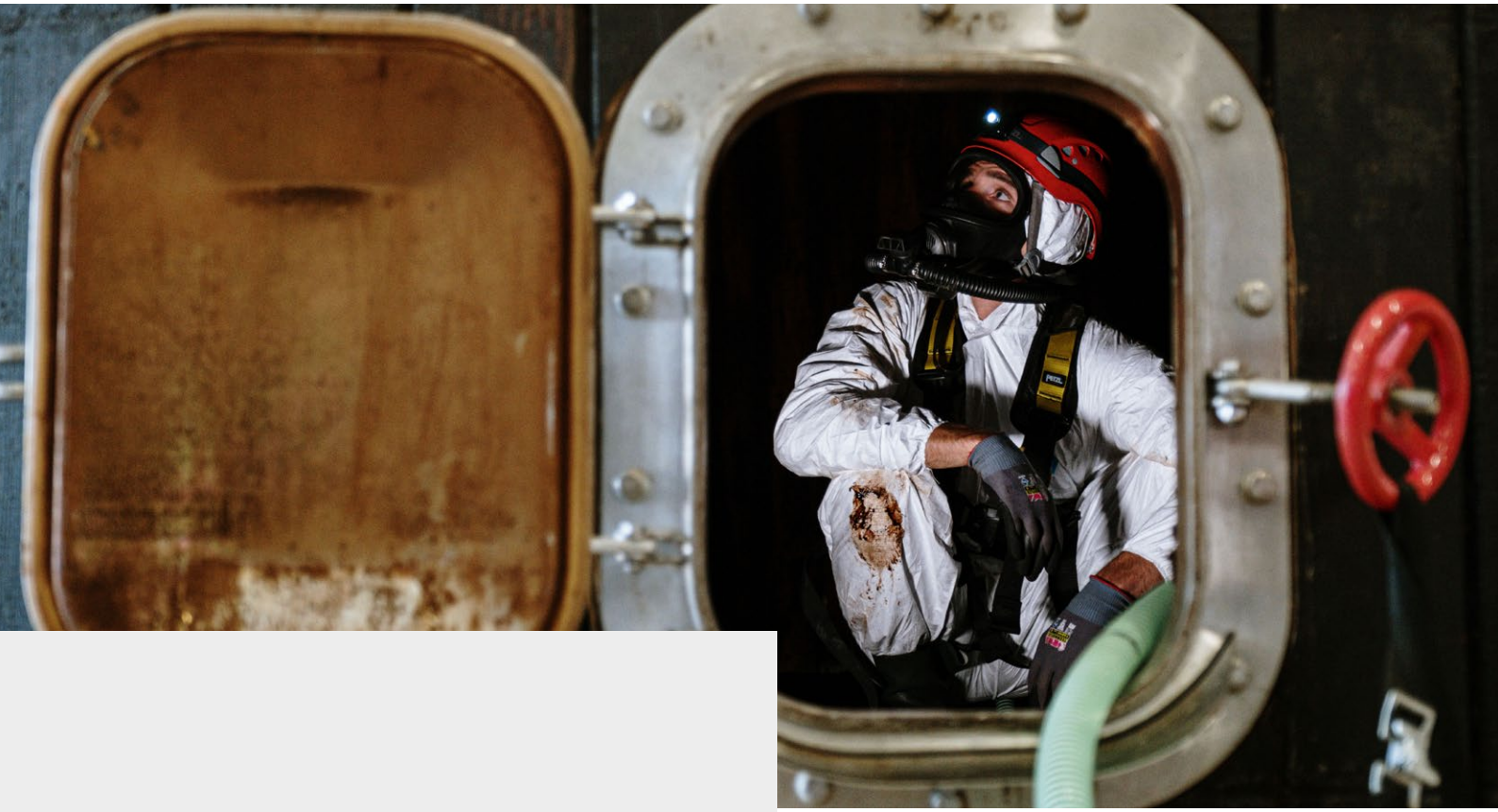
To complete the catalogue, we offer a wide range of support ladders, cage ladders, vertical lifelines, walkways and guardrails. In particular, we supply and design guardrails to protect machinery, structures and buildings.

Further information is available about our products on our web site **www.sicurpal.com**

Certifications

- EN 14122-1:2016 – Choice of a fixed access medium between two levels
- EN 14122-2:2016 – Work platform and passageways
- EN 14122-3:2016 – Ladders, platform ladders and guardrails
- EN 14122-4:2016 – Fixed ladders
- NTC 2018 – Technical regulations for construction
- EN 353.1:2018 – Rigid vertical lifelines
- EN 131.1:2018 – Ladder dimensional checks
- EN 131.2:2018 – Ladder load tests

CONFINED SPACES



A catalogue dedicated to working in confined spaces.

Operations carried out in confined spaces often present difficulties when entering and leaving, requiring the indispensable use of special machinery and PPE to carry out activities (inspection, maintenance, cleaning, etc.).

Such equipment also makes it possible to get to an operator in the event of an accident, guaranteeing rapid intervention.

For access to confined spaces we also offer a range of breathing apparatus, PPE specific gas and harmful substance detectors.

Further information is available about our products on our web site **www.sicurpal.com**

Regulations

› D.P.R. 177 of 14.09.2011

Business Machine Units.

Buildings with glass facades are becoming more and more widespread and the problem of their maintenance at reasonable prices is increasingly relevant.

Today Sicurpal offers a range of suspended platform (swing stage) to guarantee safe and rapid work at any height; the training of personnel on the use of equipment and a design of the preventive system linked to the structure of the building is an obligatory condition.

- Flexible and functional access to all vertical facades;
- Optimal solution for buildings from 15 m to over 200 m;
- Does not affect the aesthetics of the facades;
- Simple track systems hanging outside the facades;
- Systems completely hidden inside the roof;
- Double controls from the turret and the suspended platform;
- Comfortable horizontal movements without leaving the suspended platform;
- Ergonomic and spacious platform for two or more people.

Further information is available about our products on our web site **www.sicurpal.com**

Certifications

› EN 1808:2015 – Safety requirements for platforms suspended at variable levels – Structural design, stability criteria, construction – Inspections and tests

Sicurform

From Sicurpal's experience, specialising in ATECO 3.

In compliance with the provisions of Legislative Decree 81/08 and its amendments and the State-Regions Agreement of 12/21/2011 a fundamental part of safety in the workplace is correct information, training both for those who have to plan and supervise the various activities, and for the workers who must physically perform them.

SICURFORM is our new company entirely dedicated to training, launched in 2013 from the SICURPAL experience with the aim of informing and training sector operators. The best way to understand the dangers and the problems that characterise the world of security, can be found in experiencing these situations first-hand.

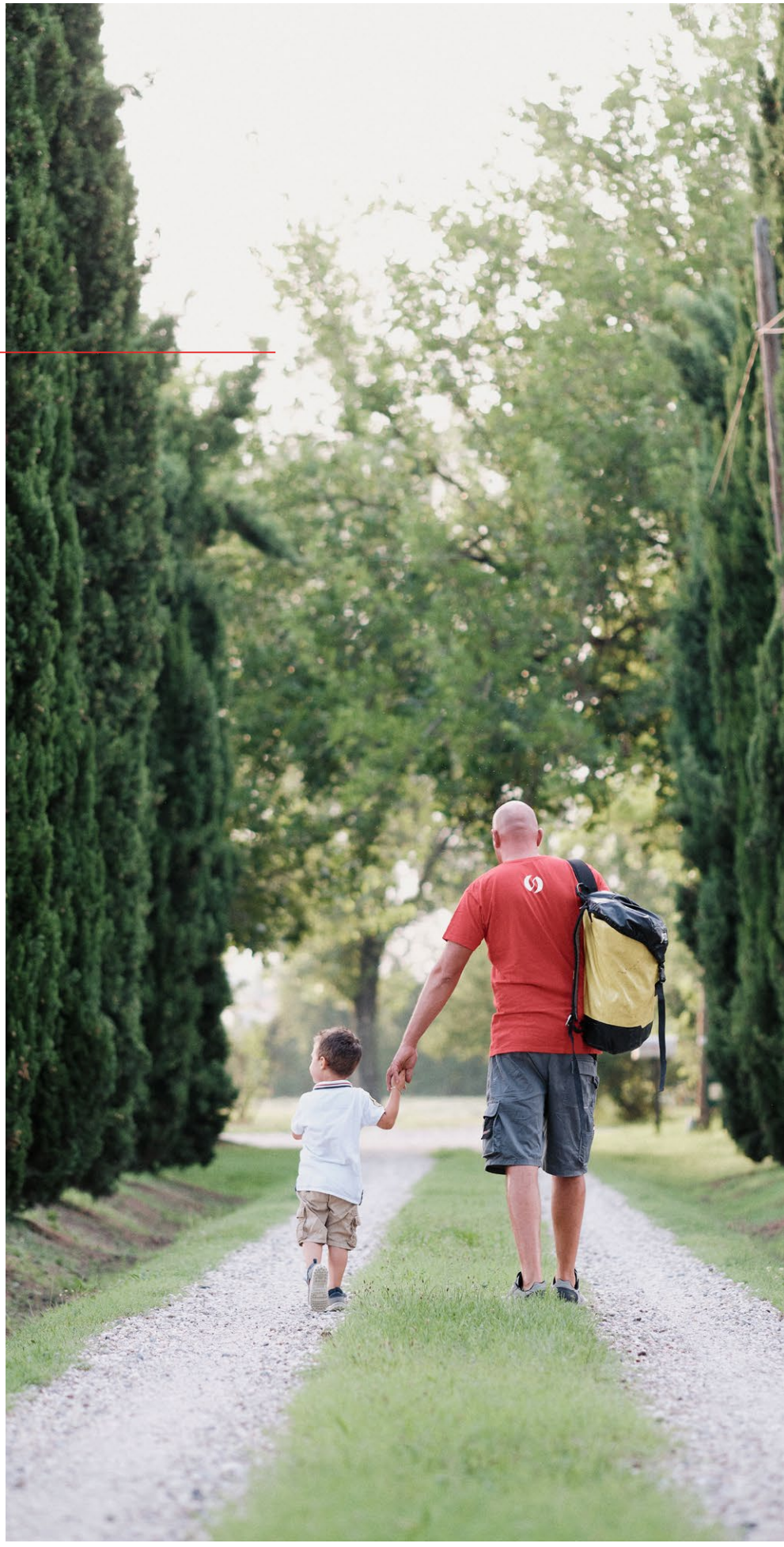
We have therefore created a safe training environment to allow participants to act out an experience, combining that learned during the lessons with practical exercises carried out on a test structure for work at height and for confined spaces.

Training offers

The courses offered by Sicurform are structured by intended use and are therefore intended for those who:

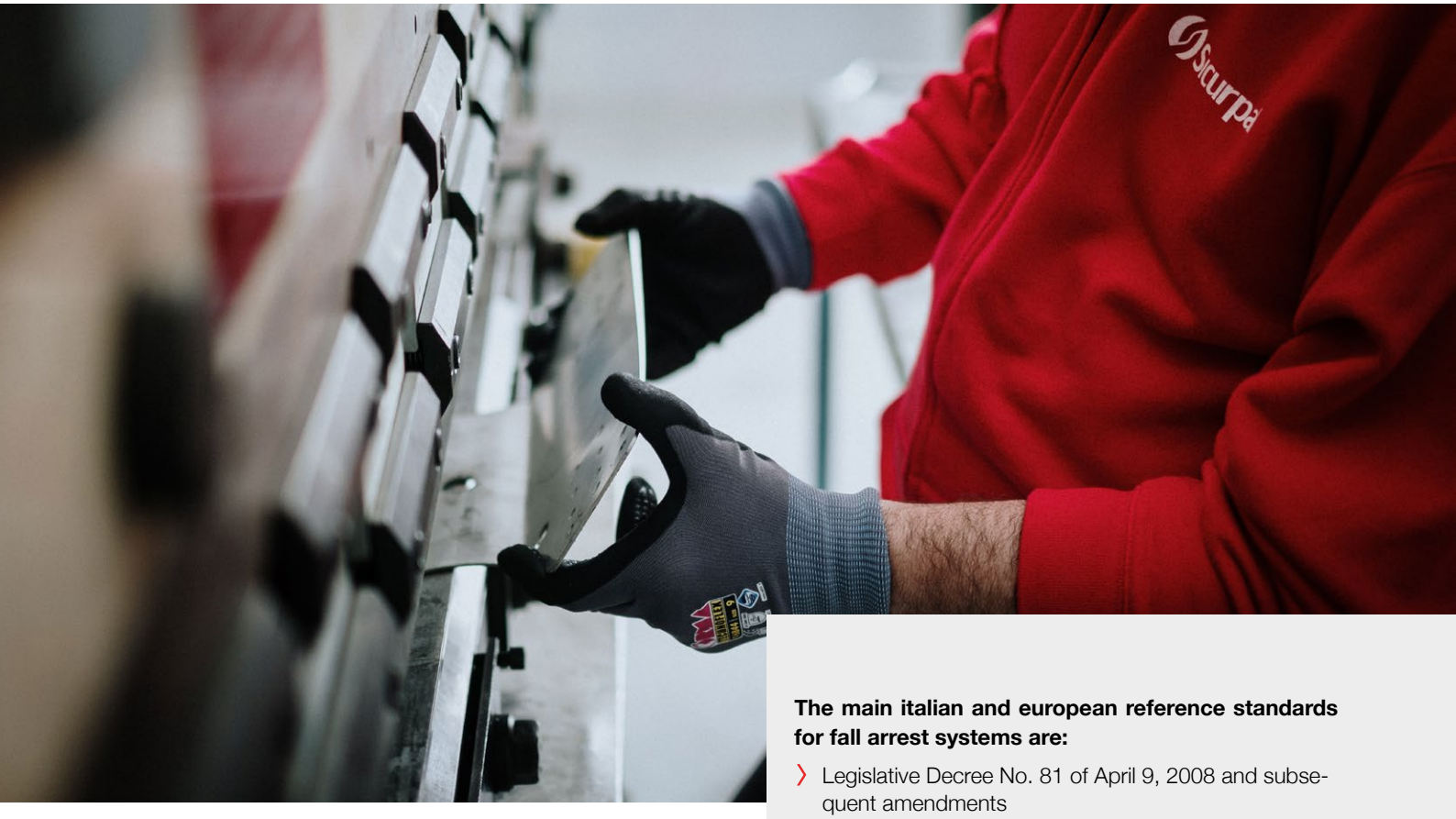
- Analyse and design solutions and protection systems for eliminating risks
- Install protection systems
- Use PPE for working at height and for confined spaces

Every day we stand beside the workers working at height to protect their most precious asset: life.



SAFETY LINE PRODUCTS

REFERENCE STANDARDS



In Italy, the regulations for occupational safety are determined by Legislative Decree No. 81 of 9 April 2008, also known as the Consolidated Law, because it brought together, standardising, all the previous safety regulations.

The Consolidated Law indicates:

- The figures involved in the assessment, control and application of the procedures suitable for protecting workplace safety;
- The obligation to train and inform workers;
- Evaluation of the risks inherent in working at height – for years the principle cause of death at work – and the adoption of adequate protection systems.

The Consolidated Law requires analysis, among other items, of the risk of falling from above, according to Annex XVI, and to propose a solution to eliminate, or at least reduce to the minimum possible, the expected risk (articles 15, 17 , 22, 90, 91, 110, 115, etc. Legislative Decree 81/08); it is also required to provide detailed information on the risks present and the protection measures adopted (article 26 of Legislative Decree 81/08) to the person performing the work. From the Consolidated Law comes the request to comply with the technical standard (art. 115 Legislative Decree 81/08), a rule that requires anchors to conform to UNI 11560:2022, and to verify whether the structure to which they are fixed and the method of fixing to said structure, is sufficiently resistant to stop the fall of a person.

The main italian and european reference standards for fall arrest systems are:

- Legislative Decree No. 81 of April 9, 2008 and subsequent amendments
- Reference technical standards (art. 115 Legislative Decree 81/08)

UNI EN 341:2011 – Descent devices

UNI EN 353-1:2018 – Vertical lines with rigid cable

UNI EN 353-2:2003 – Vertical lines with flexible cable

UNI EN 354:2010 – Lanyards

UNI EN 355:2003 – Absorbers

UNI EN 358:2019 – Positioning belts

UNI EN 360:2003 – Reels

UNI EN 361:2003 – Harnesses

UNI EN 362:2005 – Connectors (carabiners)

UNI EN 363:2019 – Stop systems

UNI EN 365:2005 – Marking / labeling

UNI EN 516:2006 – Worktops, steps on steep roofs

UNI EN 517:2006 – Anchors for steep roofs

UNI EN 795:2012 – Anchor devices

CEN/TS 16415:2013 – Use of the anchor system by several people at the same time

UNI 11578:2015 – Anchor devices intended for permanent installation – Requirements and test methods

UNI 11560:2022 - Permanent Roof Anchor Systems - A guide for identification, configuration, installation, use and maintenance

UNI 11158:2015 – Personal protection systems for falls

This verification calculation must be performed by a qualified technician. Again for compliance with technical standards, installers are asked to carry out, after assembly, type A, C and D anchors (fixed anchors, flexible and rigid anchor lines) a fixing strength test. In line with these regulations, several regions have issued laws that regulate the safety of roofs during construction or maintenance, inserting into the R.U.E. the clause granting the start of activity or habitability, with respect to these requirements.

In Italy, in Article 15, paragraph Z, Legislative Decree 81/08 and amendments it is required to carry out a periodic inspection of the equipment, with particular care to those concerning safety, in accordance with the manufacturer's instructions.

Technical Italian Standard UNI 11560:2022 aims to provide guidelines for the periodic inspection of protection systems against falls; in particular, it defines the inspection of systems every two years, if used frequently, otherwise, if not used for long periods, before use. Not to be confused with the guarantee given by the manufacturer on their product.

In periodic inspections, SICURPAL has identified the repetition of the strength test of the fixing as a suitable integrity check. The test is not destructive or harmful to the anchors, but sufficient to reveal if there are defects or decay in the quality of the fixing.

To facilitate the operations of the fixing resistance test Sicurpal has designed specific equipment for the execution and the recording of the tests, with a print out of the forces diagram and the time of application.

Lifelines are not all the same:
attention to small details creates a simple and quality product.

ENERGY ABSORBER

Code 000033

MADE IN ITALY

LOT NO. MARKING
precise traceability

LINE
essential and functional

MATERIAL
AISI 304 electropolished stainless steel

LARGE HOLES
for easy and universal fixing

GOOD PERFORMANCE
in the event of falling energy is reduced by up to 70%

TURNBUCKLE

Code 000032
Double jointed fork terminal

MADE IN ITALY

BOLT
with self-locking nut

TENSION
on the line of up to 80 m thanks to its length

COUNTER-THREAD
for secure and guaranteed tightening

WITH FINE THREAD
easy tensioning with key

CUSTOMISATION
possibility to have fork or tube crimped

CLOSED STRUCTURE
for guaranteed operation over time

MATERIAL
AISI 316 stainless steel

FORK
is articulated and of increased length

SICURDAMP

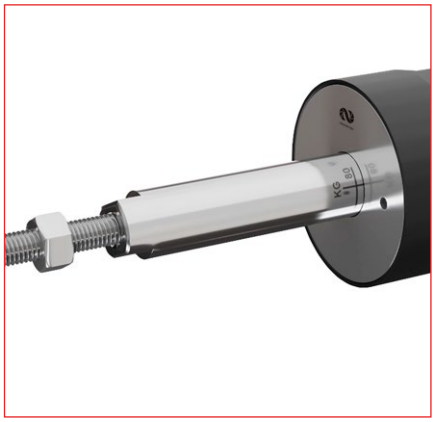
New product

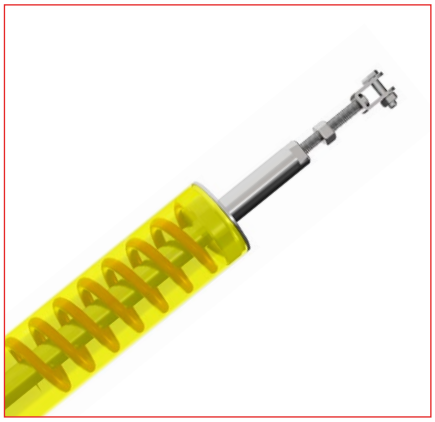
Code 003918

MADE IN ITALY

New high-performance hydraulic shock absorber. It contains both a static and a dynamic turnbuckle.

SICURDAMP is a high-tech product that combines the characteristics of the spring, the hydraulic piston and classic turnbuckles. The movement of the internal fluid is ensured by patented valves: the combination of components optimises the result, creating a lifeline that is always in perfect tension by eliminating changes due to temperature fluctuations. Sicurdamp provides optimal load reduction in the event of a fall and is recoverable, with the cylinder checked and reset by qualified Sicurpal personnel.





MOVABLE CABLE TROLLEY

Code 003747
cable trolley provided with carabiner

MADE IN ITALY

REINFORCED
for a resistance
up to 1600 kg.

MATERIAL
AISI 316 stainless steel structure

SLIDING SYSTEM
conical shape for
optimal entry and exit
of the cable support

AUTOMATIC SNAP CLOSURE
manual closing

SAFETY PIN
with automatic snap closing

MARKING
UNI EN 795:2012

PAIRING SYSTEM
dovetail,
for precise sliding
and exceptional protection
from external dirt

CABLE TROLLEY
equipped with 3 safety
catches

SAFETY HOLE
for fixing and safety

REAR DETAILS
scroll on dovetail

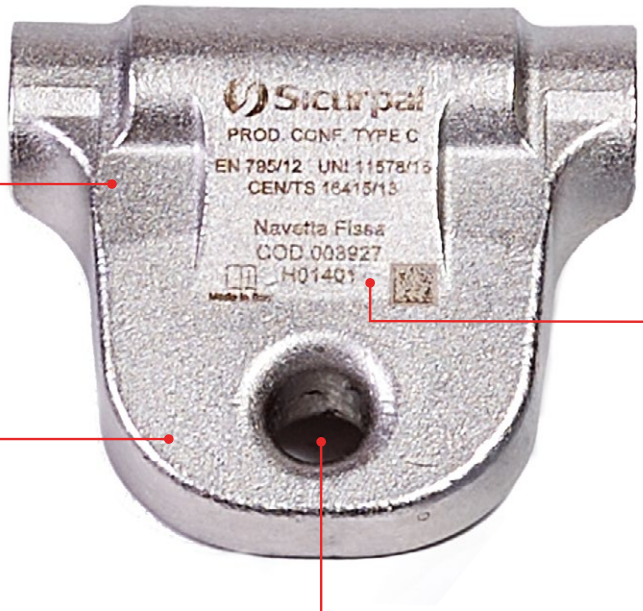
GUIDES
for good sliding
even when close
to cable supports

GRIP
for opening the cable
trolley with 2 fingers

FIXED CABLE TROLLEY

Code 003927
cable trolley provided with carabiner

MADE IN ITALY



MATERIAL
structure in
AISI 304 stainless steel

MARKING
UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

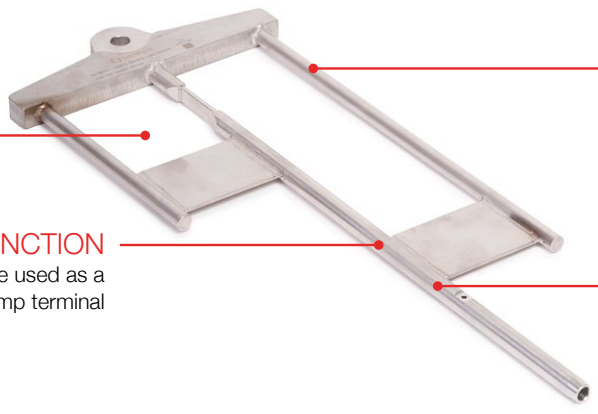
EQUIPPED WITH
Fixed cable trolley provided
with carabiner

SAFETY HOLE
for fixing and safety

DRN

Code 003934

MADE IN ITALY



MATERIAL
electropolished 304 stain-
less steel structure

DEVICE
fixed cable
trolley removal

FUNCTION
can also be used as a
crimp terminal

CRIMPING
crimping to be
carried out at 130 kN

PBS

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E

PBS Line, stainless steel devices

PBS pole are the solution for securing roofs with low structural resistance.

A C 10

INOX AISI 304 NFC MADE IN ITALY

GENERAL CHARACTERISTICS

- Anchor device is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015 Type A and Type C standards;
- Structure entirely in AISI 304 pickled stainless steel for protection against corrosion;
- Construction shape created to guarantee a low visual impact;
- Devices with anchor plate for both flat support bases (PBS and PBSX) and ridge support bases (PBSC);
- Structure with controlled deformation that allows a maximum reduction of the loads exerted on the end pole of the Lifeline (up to 6 kN);
- Thanks to the use of the anti-fall cable trolley, which allows you to bypass the lifeline, the operator can work without breaking away, interrupting or slowing down his movement;
- The fastening kit for fixing, varies according to the type of supporting structure;
- Electronic identification system with dual technology: QR Code and NFC;
- BIM drawings of the line are available on the site.

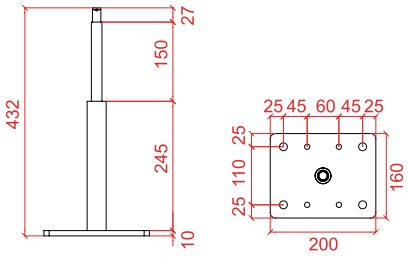
BIM

Further information is available about our products on our web site **www.sicurpal.com**

Stainless steel PBS pole base 200x160 mm

- Fixing plate 200x160 mm thickness 10 mm with 8 holes of which 4 Ø15 mm and 4 Ø10 mm;
- Tubular Ø 36 mm thickness 8 mm, H 255 mm;
- Full round Ø 20 mm, H 150 mm;
- Material AISI 304 pickled stainless steel;
- For flat support bases.

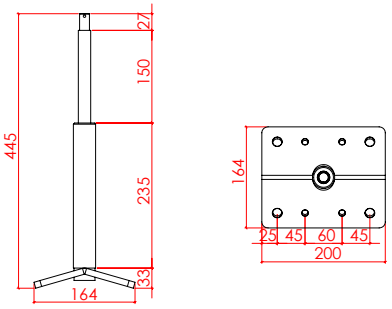
Code 000004



Stainless steel PBSC pole base 215x160 mm

- Fixing plate 215x160 mm thickness 10 mm with 8 holes of which 4 Ø15 mm and 4 Ø10 mm;
- Tubular Ø 36 mm thickness 8 mm, H 237 mm;
- Full round Ø 20 mm, H 150 mm;
- Material AISI 304 pickled stainless steel;
- For support bases with double incline.

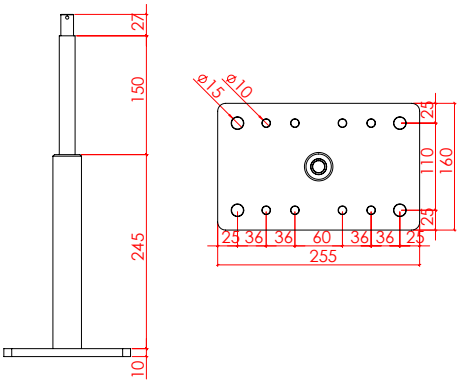
Code 000137



Stainless steel PBSX pole base 255x160 mm

- Fixing plate 255 mm thickness 10 mm with 12 holes of which 8 Ø15 mm and 4 Ø10 mm;
- Plate optimized for covering wooden beams of dimensions 18x18 cm
- Tubular Ø 36 mm thickness 8 mm, H 245 mm
- Full round Ø 20 mm, H 155 mm;
- Material AISI 304 pickled stainless steel;

Code 003921



PBS – LINE ACCESSORIES

Line

Eyebolt

Eyebolt and split pin in AISI 304 stainless steel

Code 000058

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Support for turnbuckle

Support for turnbuck-le/tube in AISI 304 stainless steel

Code 000194

Mini support Turnbuckle

For installation of turnbuckle canula and guide tube, in AISI 304 stainless steel, with bolts

Code 000765

Energy absorbers

Energy Absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Sicurdamp

Device with shock absorber and hydraulic tensioner

Code 003918

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

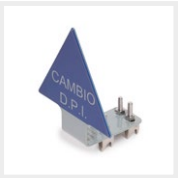
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Stainless steel cable support

Stainless steel 304 intermediate cable support with bolts

Code 000501

Cable support

Cable support in AISI 304 stainless steel

Code 000307 – 135°
Code 000308 – 90°
Code 000309 – 180°

Bracket

PBS anchor bracket in AISI 304 stainless steel

Code 000298

Support for turnbuckle

Support for turnbuckle/ tube in AISI 304 stainless steel

Code 000194

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Cable support vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable support Vrt 90°

Vertical cable support fix 90° for AISI 304 stainless steel cable trolley

Code 001327

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

All technical documents, certifications and specifications are available by scanning the QR Code on the side or on the page of our website **www.sicurpal.com**.

PBS LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER OR DOUBLE ROPE

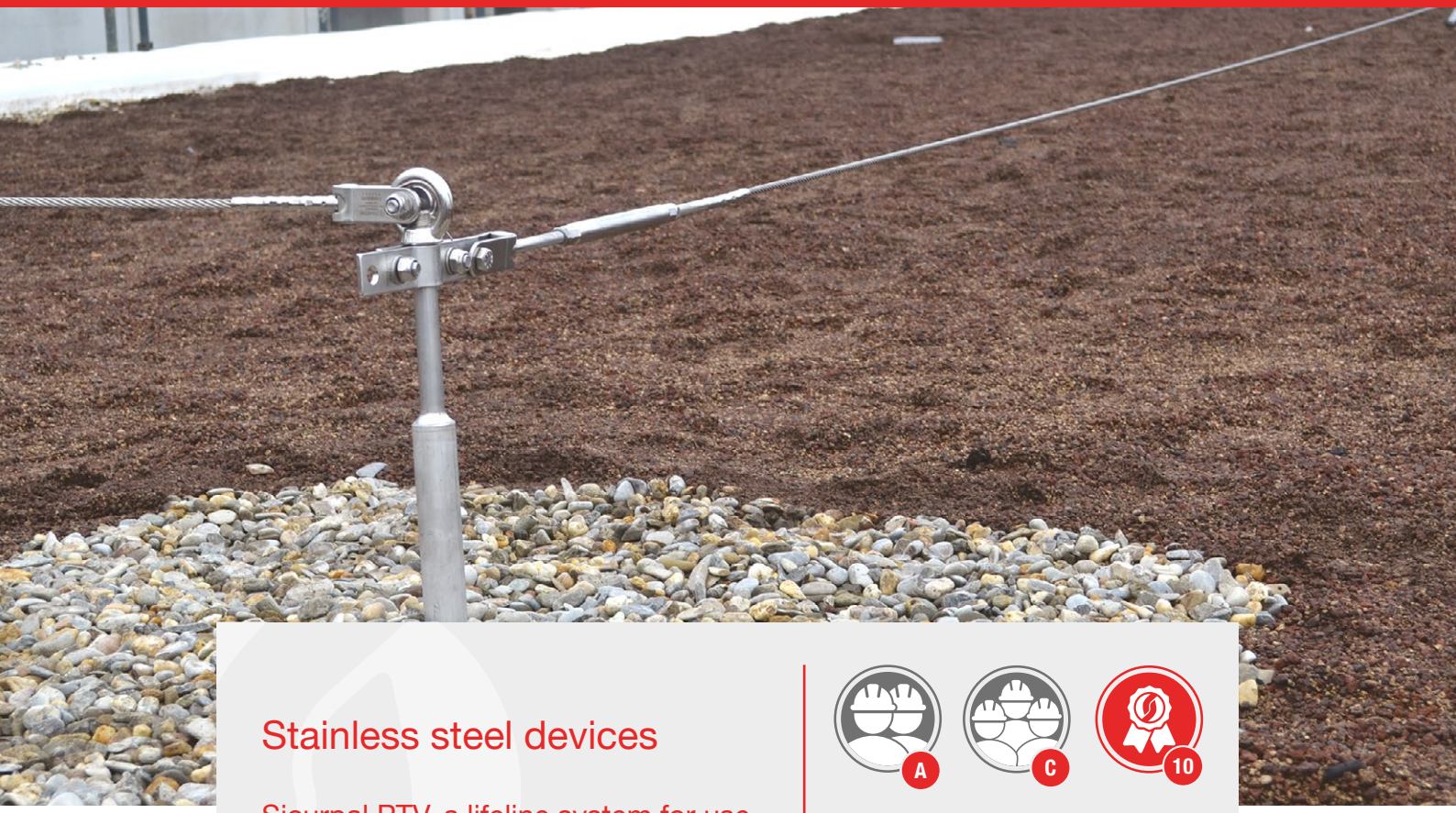
PBS LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CABLE TROLLEY

PBS LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER

PTV

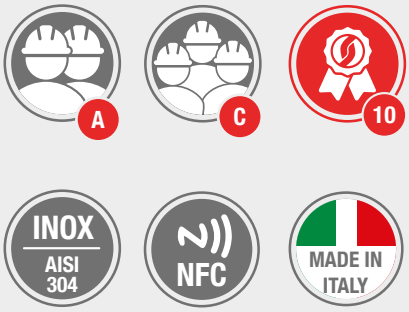
UNI EN 795:2012
CEN/TS 16415:2013

A B C D E



Stainless steel devices

Sicurpal PTV, a lifeline system for use in only 8 cm of vegetation soil and without piercing the roof.



GENERAL CHARACTERISTICS

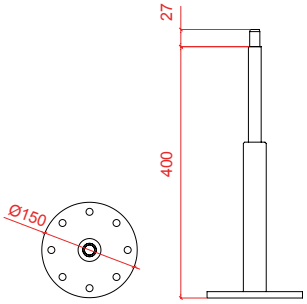
- Anchor device according to UNI EN 795:2012 and UNI CEN / TS 16415:2013 type A and type C, for application on green roofs;
- Structure entirely in AISI 304 pickled stainless steel for protection against corrosion;
- Pole height: 40 cm;
- The particular construction characteristics make it usable on any type of roof with a maximum slope of 5° without the use of structural fixings to the roof;
- The device is supplied complete with all the fastening bolts to the load-bearing structure;
- An optimal device to create safety on flat roofs without drilling into waterproofing layers; PVC or bitumen covering;
- An ideal device for the safe maintenance of green roofs;
- Electronic identification system with dual technology: QR Code and NFC.

Further information is available about our products on our web site **www.sicurpal.com**

PTV pole

- Pole in AISI 304 stainless steel
- Height of the pole 40 cm

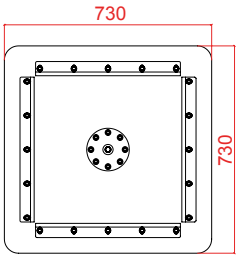
Code 001774



PTV pole fixing kit Type A

- Supporting structure for PTV pole suitable for fixing an A and C type anchor
- Allows fixing of the geogrid and non-woven fabric
- Suitable for type C intermediate anchors
- Excluded from the net and non-woven fabric kit

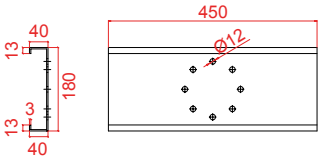
Code 002115



C-shaped reinforcement for PTV lifeline

- Suitable for fixing a Type C anchor
- Additional reinforcement structure to be installed in the direction of force application for the pole at extremities and on corners

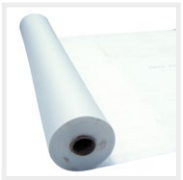
Code 001815



Black geogrid

Black propylene geogrid for stabilisation and reinforcement of soil with a height of 4 mm and a thickness of 7 mm at the knots.

Code 001989



White geotextile

White geotextile 2mm high and 1.3 mm thick in needle-punched and thermostabilised propylene.

Code 001988

Line

Eyebolt

Eyebolt and split pin in AISI 304 stainless steel

Code 000058

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Support for turnbuckle

Support for turnbuckle/ tube in AISI 304 stainless steel

Code 000194

Turnbuckles

Turnbuckle

Turnbuckle for rope tensioning in AISI 316 stainless steel

Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle

Turnbuckle for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

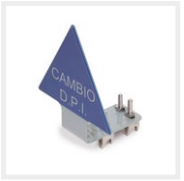
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Stainless steel cable support

Stainless steel 304 intermediate cable support with bolts

Code 000501

Bracket

PBS anchor bracket in AISI 304 stainless steel

Code 000298

Support for turnbuckle

Support for turnbuckle/tube in AISI 304 stainless steel

Code 000194

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012 and CEN/TS 16415:2013.

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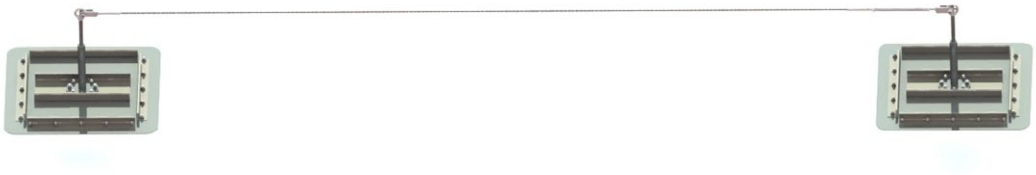
PTV LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER OR DOUBLE ROPE

PTV LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER



LVB

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E

Stainless steel devices

LVB plates are ideal anchors for a lifeline with low visual impact.

A C 10

INOX AISI 304 NFC MADE IN ITALY

GENERAL CHARACTERISTICS

- The ideal anchor system for a reduced visual impact on the roofs of historic buildings;
- This product is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015 Type A and Type C standards;
- Structure entirely in AISI 304 stainless steel for protection against corrosion;
- Fixing on AC beams, wood and steel;
- Suitable for ridges with ventilation;
- May be mounted on both sides of the ridge;
- The elasticity and deformability of the system permits low loads on the lifeline;
- Ideal for historical centres and buildings with architectural constraints, because it is barely visible thanks to its positioning at the level of the ridge;
- Quick and easy assembly without the complete opening of the roof;
- Ideal as a continuous anchor;
- The strengths of the product are the price and reduced installation times of the system;
- Electronic identification system with dual technology: QR Code and NFC;
- BIM drawings of the line are available on the site.

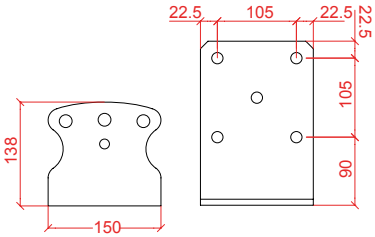
BIM

Further information is available about our products on our web site **www.sicurpal.com**

LVB Plates

- 4 holes for fixing with 4 threaded bars Ø 12 mm ø with nut and locknut;
- 3 holes to be used as anchoring or fixing lifeline accessories;
- It is advisable to fix in a cantilevered fashion up to a maximum of 20 cm from the top level of the fixing (see manual);
- Material AISI 304 pickled stainless steel;

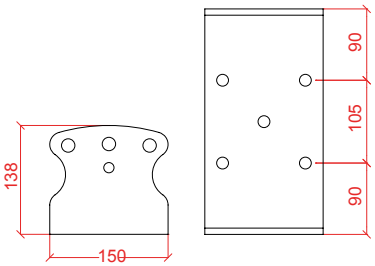
Code 000015



LVB plate for double pitch

- 4 holes for fixing with 4 threaded bars Ø 12 mm ø with nut and locknut;
- Double coupling plate to be able to install lifelines on both sides and improve the use of PPE;
- 6 holes to be used as anchoring or fixing lifeline accessories;
- It is advisable to fix in a cantilevered fashion up to a maximum of 20 cm from the top level of the fixing (see manual);
- Material AISI 304 pickled stainless steel;

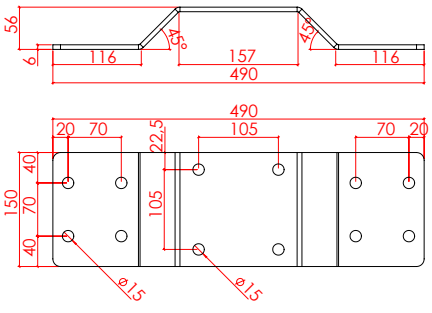
Code 001516



Distribution plate for fixing on beams with a minimum width of 16 cm

- Made of hot-galvanized steel, usable both for cantilever fixings and for direct fixings
- Certified both UNI EN 795:2012 and CEN / TS 16415:2013, and NTC 2018

Code 003980



LVB – LINE ACCESSORIES

Line

Mini support for turnbuckle

Mini turnbuckle support canula or sheath

Code 000765

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Support for turnbuckle

Support for turnbuckle/ tube in AISI 304 stainless steel

Code 000194

Energy absorbers

Energy Absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

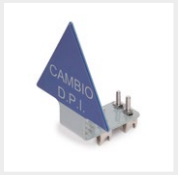
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Aluminium cable support

Bypassable cable support in aluminium with bolts

Code 001094

Cable support

Cable support in AISI 304 stainless steel

Code 000307 – 135°
Code 000308 – 90°
Code 000309 – 180°

Support for turnbuckle

Support for turnbuckle/tube in steel STAINLESS STEEL AISI 304

Code 000194

Cable trolley line accessories

Vertical cable support

Straight cable support fixing for cable trolley

Code 001346

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001347

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

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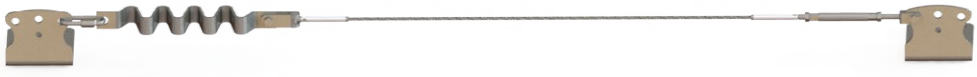
LVB LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH DOUBLE CARABINER

LVB LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CABLE TROLLEY

SHED LINE LAYOUT FOR SINGLE SPAN



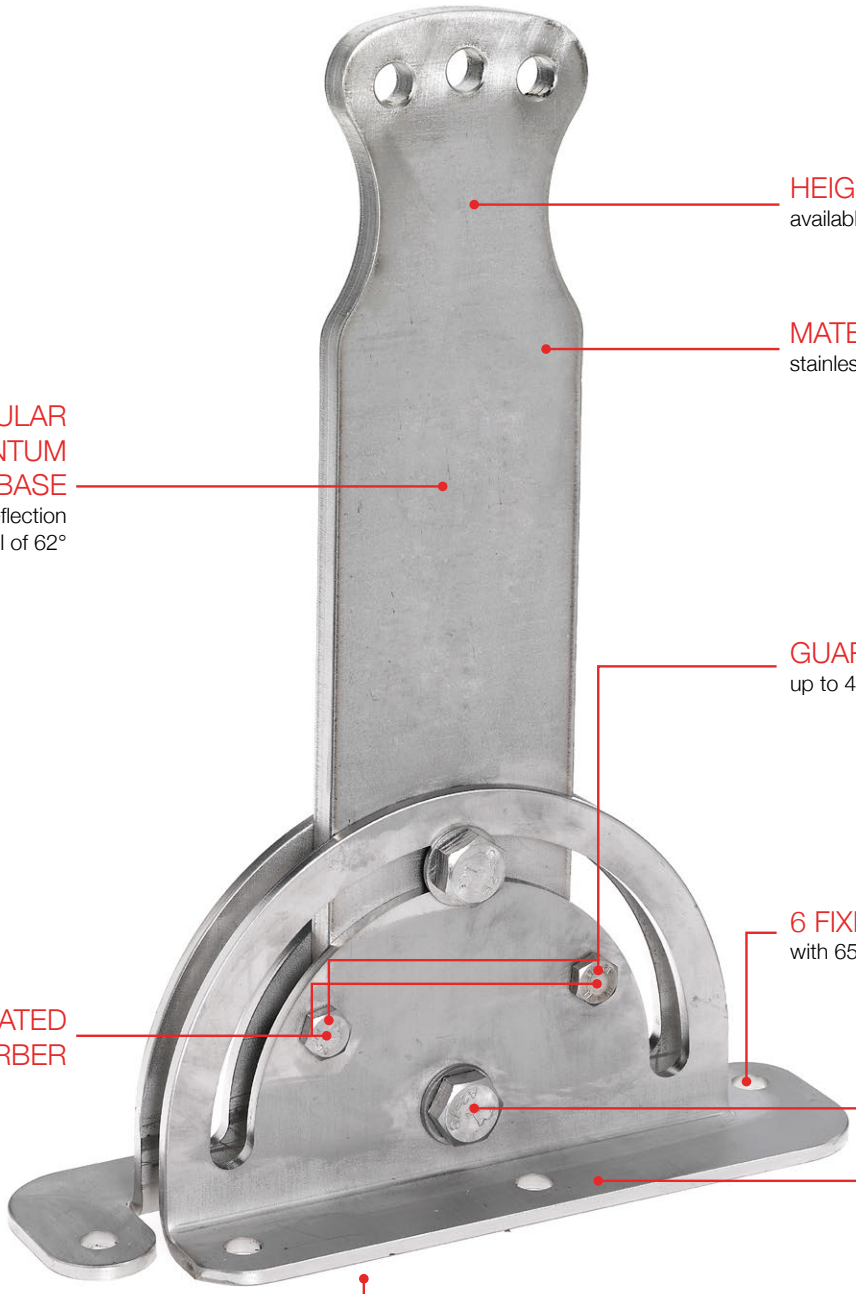
SICURSLIM

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B **C** D E

**Lifelines are not all the same:
attention to small details creates a simple and quality product.**

SICURSLIM POLE



HEIGHT
available from 35 cm to 50 cm

MATERIAL
stainless steel or galvanized device

REDUCED ANGULAR MOMENTUM AT THE BASE
device deflection in the event of a fall of 62°

GUARANTEE OF VERTICALITY
up to 400 kg

6 FIXING HOLES
with 65 mm centre spacing

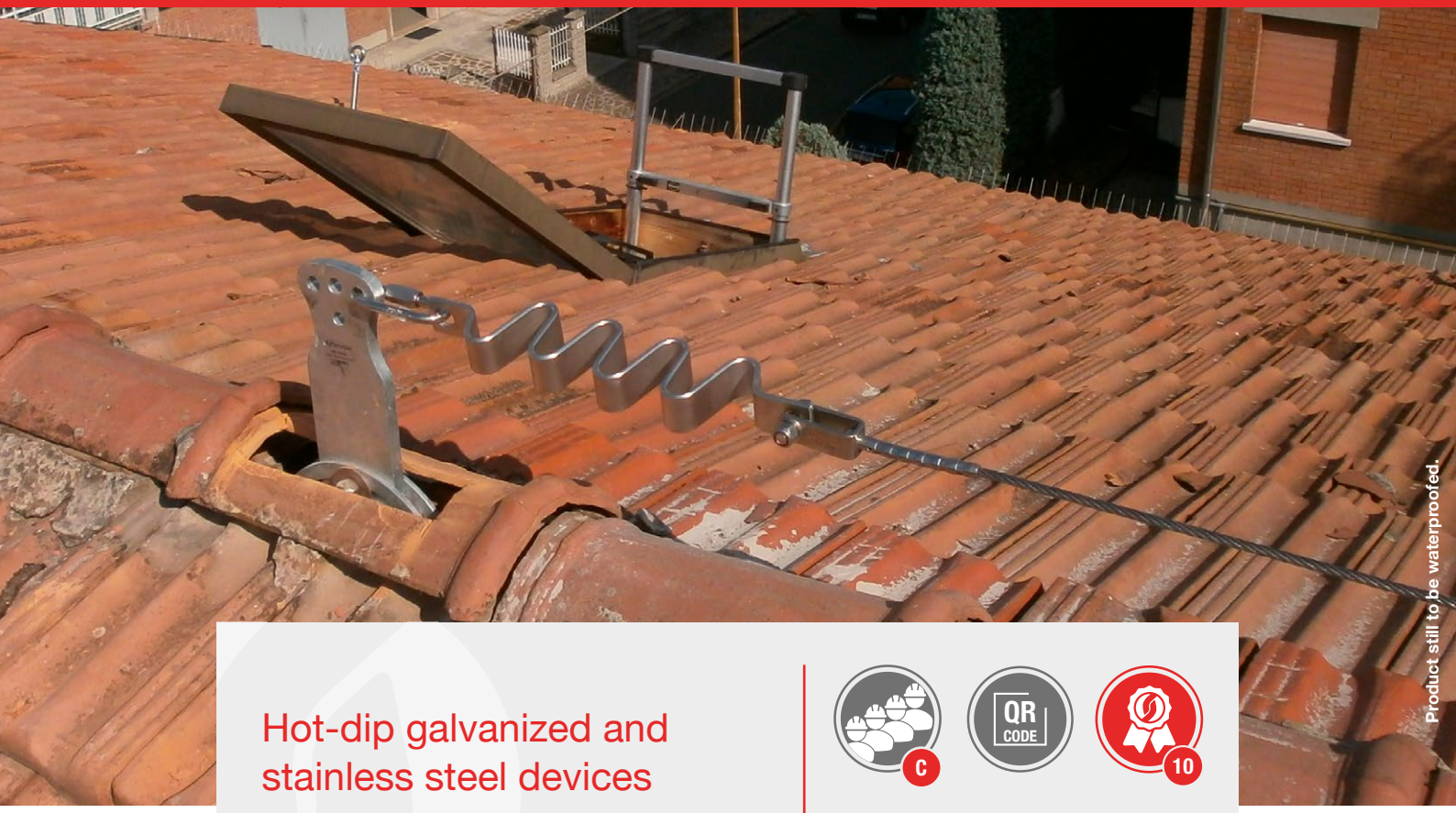
INTEGRATED ENERGY ABSORBER

CENTRE OF ROTATION

MINIMUM BEAM
15 cm

90° BASE PLATE FOR FLAT BEAMS OR INCLINED FOR RIDGES

We know our products well because we make them.



Hot-dip galvanized and stainless steel devices

Lifelines with mobile supports to minimise load on the anchors.

C · QR CODE · 10 · INOX AISI 304 · NFC · MADE IN ITALY

GENERAL CHARACTERISTICS

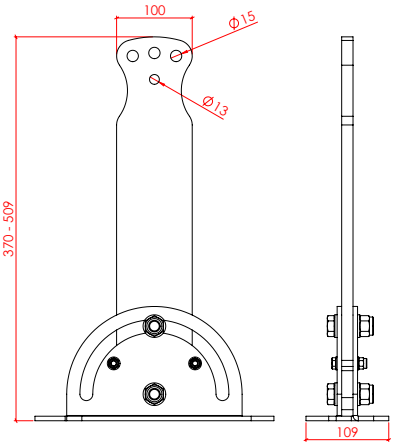
- Central plate fixing with two 16 mm bolts to cushion the fall;
- 8 mm bolts to maintain and guarantee the verticality of the central plate;
- Products in stainless steel and hot galvanized steel for a complete range with value for money.
- Thanks to low loads it may be fixed in place with 10 mm threaded bars on beams of reinforced concrete on a base of 17 cm and with 12 mm bars on a 19 cm base;
- May be fixed with structural wood screws on a 15 cm beam base;
- In intermediates possibility to use the cable support code 001094 or the stainless steel cable support for trolley codes 001346 and 001347;
- Easy and fast assembly on both reinforced concrete and wood;
- Product certified in accordance with UNI EN 795:2012, CEN/TS 16415:2013, UNI 11578:2015 C Type;
- Electronic identification system with dual technology: QR Code and NFC.

Further information is available about our products on our web site **www.sicurpal.com**

Sicurslim h 350

- Height of the safety lifeline 35 cm from the support level
- Central plate fixing with two 16 mm bolts to cushion the fall.
- 8 mm bolts to maintain and guarantee the verticality of the central plate;
- Flat base plate for 15 cm min. beams
- Products in stainless steel and hot galvanized steel for a complete range with value for money

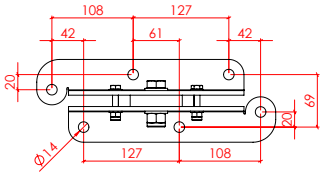
Code 001566 PX35 INOX / Code 001568 PZ35 Galvanized



Sicurslim height 500

- Height of the safety lifeline 50 cm from the support level
- Central plate fixing with two 16 mm bolts to cushion the fall.
- 8 mm bolts to maintain and guarantee the verticality of the central plate;
- Flat base plate for 15 cm min. beams
- Products in stainless steel and hot galvanized steel for a complete range with value for money.

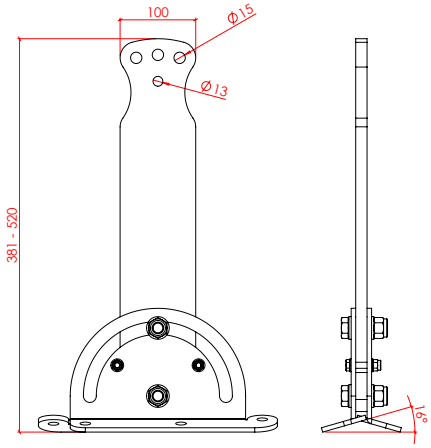
Code 001529 PX50 INOX / Code 001567 PZ50 Galvanized



SICURSLIM for ridge height 350

- Height of the safety lifeline 35 cm from the support level
- Central plate fixing with two 16 mm bolts to cushion the fall.
- 8 mm bolts to maintain and guarantee the verticality of the central plate;
- V-shaped base plate for 15 cm min. ridge beams
- Products in stainless steel and hot galvanized steel for a complete range with value for money.

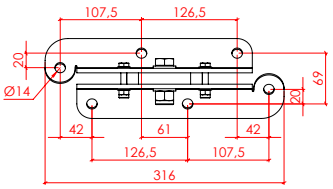
Code 001570 CX35 INOX / Code 001572 CZ35 Galvanized



SICURSLIM for ridge height 500

- Height of the safety lifeline 50 cm from the support level
- Central plate fixing with two 16 mm bolts to cushion the fall.
- 8 mm bolts to maintain and guarantee the verticality of the central plate;
- V-shaped base plate for 15 cm min. ridge beams
- Products in stainless steel and hot galvanized steel for a complete range with value for money.

Code 001569 CX50 INOX / Code 001571 CZ50 Galvanized



SICURSLIM – LINE ACCESSORIES

Line

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Quick release carabiner

Large quick release carabiner in AISI 316 stainless steel

Code 001518

Energy absorbers

Energy Absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Sicurdamp

Device with shock absorber and hydraulic tensioner

Code 003918

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

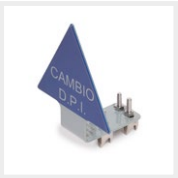
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

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Docubox

Document holder with fixing kit

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Straight fixed cable support for cable trolley in stainless steel AISI 304

Code 001346

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001347

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

All technical documents, certifications and specifications are available by scanning the QR Code on the side or on the page of our website **www.sicurpal.com**.

SICURSLIM COMPOSITION OF MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER

SICURSLIM COMPOSITION OF MULTIPLE SPANS WITH BYPASSABLE LINE WITH CABLE TROLLEY

BASIC LINE

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E

Lifelines are not all the same:
attention to small details creates a simple and quality product.

BASIC LINE POLE

OPEN TUBE EASY TO INSPECT
optimal condensation evaporation

SPECIAL CARE
eliminates non-compliance of the galvanizing

90 MM TUBING
for the correct resistance

DOUBLE WELDING
internal/external for a join without additional reinforcing

EDGES AND DEBRISED CORNERS
for better adherence of hot dip galvanizing

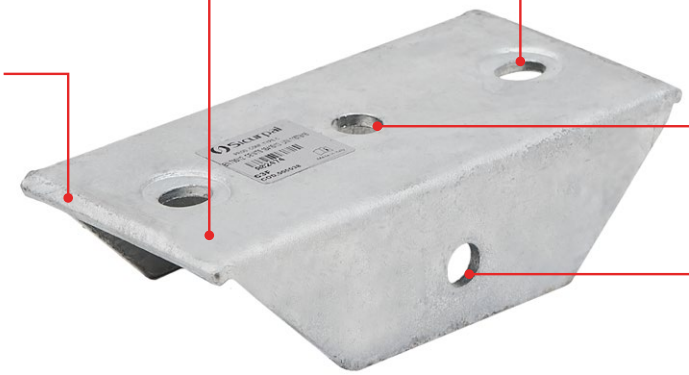
PERFORATED PLATE
for a perfect hot-dip galvanizing of the tube

SLOTS
for optimal hole management on beams and floors in reinforced concrete

TERMINAL/INTERMEDIATE

SPACE BETWEEN CAP AND POLE
2 mm to allow the movement of air and the escape of condensation in winter months

HOLE CURVES
non drip



NON DRIP FOLD
each part of the terminal had been designed to avoid access of water into the tube irrespective of the weather

HOLE
for fixing accessories

THROUGH HOLE
for fixing stainless steel bolts

Every day we stand beside the workers working at height to protect their most precious asset: life.

Hot-dip galvanized and stainless steel devices

The pole of the Basic Line are an ideal compromise of cost and quality.

GENERAL CHARACTERISTICS

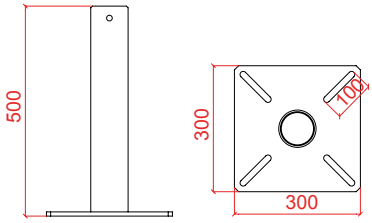
- Thanks to its rigidity it is an ideal product for fixing ropes when doing suspension work;
- This product is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015 Type A and Type C standards;
- Made entirely of hot-galvanized stainless steel S235 (Fe 360);
- Vertical pole perfectly galvanized even on the inside to offer a 10 year guarantee;
- Vertical pole H 30-50 cm without reinforcement thanks to both external and internal welding;
- Pole with 4 fixing holes that allows a 90° rotation from the terminal;
- Terminal cap designed to prevent infiltration into the pole;
- The medium pole of the shedline may be inspected without removing the cable;
- Base plate with slots to easy the fixing and increase the elasticity of the system;
- Complete range of base plates to anchor to every structure type;
- Electronic identification system with dual technology: QR Code and NFC;
- BIM drawings of the line are available on the site.

Further information is available about our products on our web site **www.sicurpal.com**

PZP pole h 30-50 galvanized base 300x300

- Fixing base plate 300x300 mm 10 mm thickness;
- 10 cm long slot for easy fastening;
- For flat roof and flat support structures;
- Ideal for fixing on wooden beams with galvanized counter-plate or slotted plates 300x60x10 mm or 400x60x10 mm;
- Ideal for roofs in brick-cement, wood, steel, concrete.

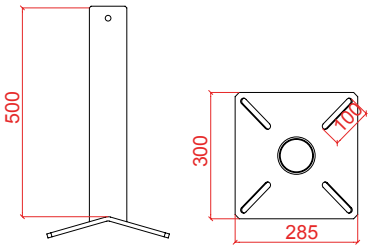
Code 000036 h. 50 / Code 000263 h. 30



PZP pole h 30-50 galvanized base 300x300

- Fixing base plate 300x300 mm 10 mm thickness with double slope of 16° for fixing to the ridge;
- 10 cm long slot for easy fastening;
- Ideal for fixing to ridge beams in reinforced concrete with 4 threaded rods ≤ Ø 12 mm and bi-component resins and / or counterplate;
- Ideal for roofs in brick-cement, wood, steel, concrete.

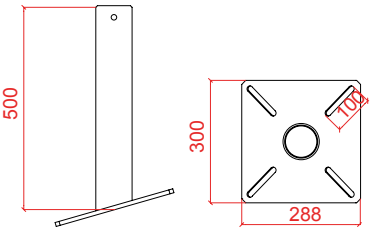
Code 000186 h. 50 / Code 000265 h. 30



PZL pole h 30-50 galvanized base 300x300

- Fixing base plate 300x300 mm 10 mm sloped thickness at 16° for fixing on pitched roofs;
- 10 cm long slot for easy fastening;
- Ideal for fixing on wooden beams with galvanized counterplate or slotted plates 300x60x10 mm or 400x60x10 mm;
- Ideal for roofs in brick-cement, wood, steel, concrete.

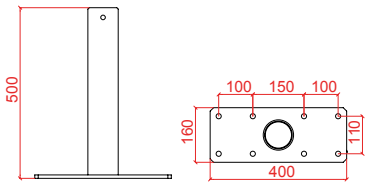
Code 000185 h. 50 / Code 000264 h. 30



PZL pole h 30-50 galvanized base 400x160

- Fixing base plate 400x160 mm 10 mm thickness;
- Fixing with structural screws or threaded rods ≤ Ø 12 mm and bi-component resin;
- Ideal for fixing on wooden beams with counterplate or slotted plates 400x60x10 mm, 300x60x10mm or 200x60x10 mm;
- Ideal for roofs in brick-cement, wood, steel, concrete.

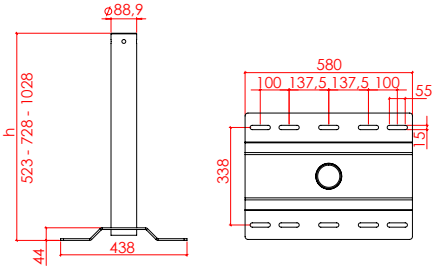
Code 000187 h. 50 / Code 000266 h. 30



PZO Pole h 50-70-100 galvanized base 580x438

- Fixing base plate 528x438 mm, 6 mm thick, three heights available: 528-728-1028 mm
- 70 mm long slots for easy fixing
- Ideal for fixing on two rows of joists of a brick-cement slab
- Ideal for roofs in brick-cement

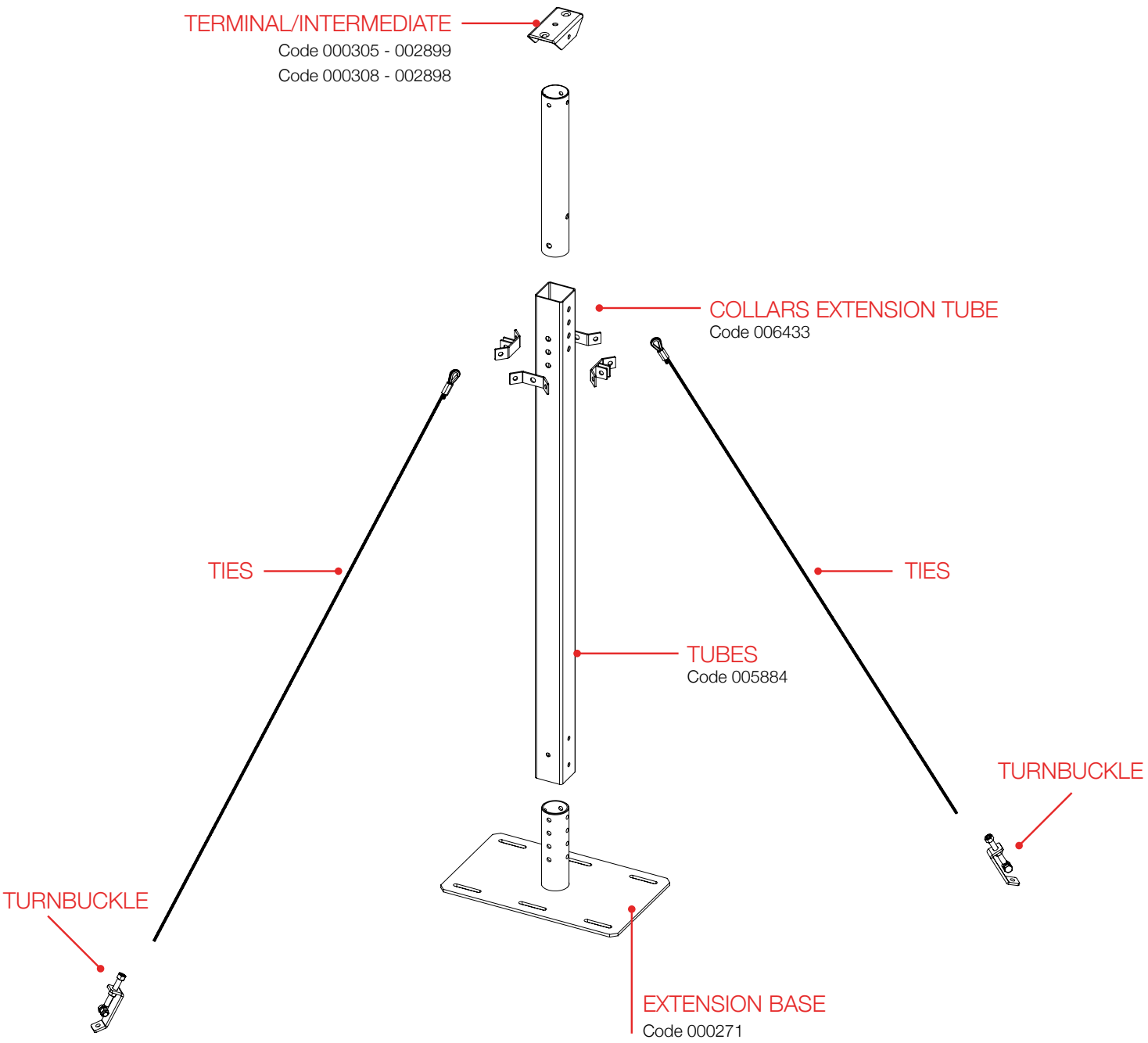
Code 004780 h 50 m / Code 005388 h 70 m / Code 005390 h 100 m



EXTENSION POLE

Special pole with extension for low walls and hollow roofing bricks. Each extension pole requires:

- A base (Code 000271)
- An extension tube of various lengths (code 005884)
- Tie and turnbuckle kit: depending on the height, kit 006588 may be required, **subject to the assessment by the technician carrying out the calculation report**
- Tubular extension collars (Code 006433)
- A PFE device (Code 001464)
- A terminal/intermediate



POLE EXTENSION DEVICE

Extension base

- Hot galvanized extension base including 2 bolts 12x120 to fix the extension

Code 000271

Tie kit

- Tie kit consisting of: 2 crimping ties Ø 8, length 4.5m and 2 special turnbuckles with bolts

Code 006588

Tubular extension

- Hot-dip galvanised tubular extension, spaced every 15 cm from 0.9 m to 3.25 m
- **Code 005884**

Collars

- Kit of 4 collars for fixing the tube to the extension pole with bolts

Code 006433

PFE pole

- PFE pole in AISI 304 stainless steel provided with bolt, nut and washer

Code 001464 stainless STAINLESS STEEL
Code 005059 Galvanized

Terminal and intermediate PFE pole

- Terminal and intermediate accessory holder with drip guard

Code 000038 Galvanized
Code 000305 Galvanized
Code 002898 stainless steel
Code 002899 stainless steel

BASIC LINE – LINE ACCESSORIES

Terminals

Pole terminal intermediate or for extremities

Pole terminal accessory holder with drip guard

Code 000038 Galvanized
Code 002898 stainless steel

Pole terminal for extremities

Terminal or extremity with drip guard

Code 000305 Galvanized
Code 002899 stainless steel

Line

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Bi-directional

Bidirectional bracket with bolts

Code 000184

Support for turnbuckle

Support for turnbuckle/ tube in steel
Stainless steel AISI 304

Code 000194

Energy absorbers

Energy Absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Sicurdamp

Device with shock absorber and hydraulic tensioner

Code 003918

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

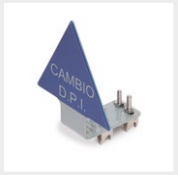
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Aluminium cable support

Bypassable cable support in aluminium with bolts

Code 001094

Cable support

Cable support in AISI 304 stainless steel

Code 000307 – 135°
Code 000308 – 90°
Code 000309 – 180°

Pulley

Aluminium pulley and AISI 304 stainless steel elements, with bolts

Code 000306

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

Cable support Vrt 90°

Vertical cable support fix 90° for AISI 304 stainless steel cable trolley

Code 001327

DRN

Fixed cable trolley removal device

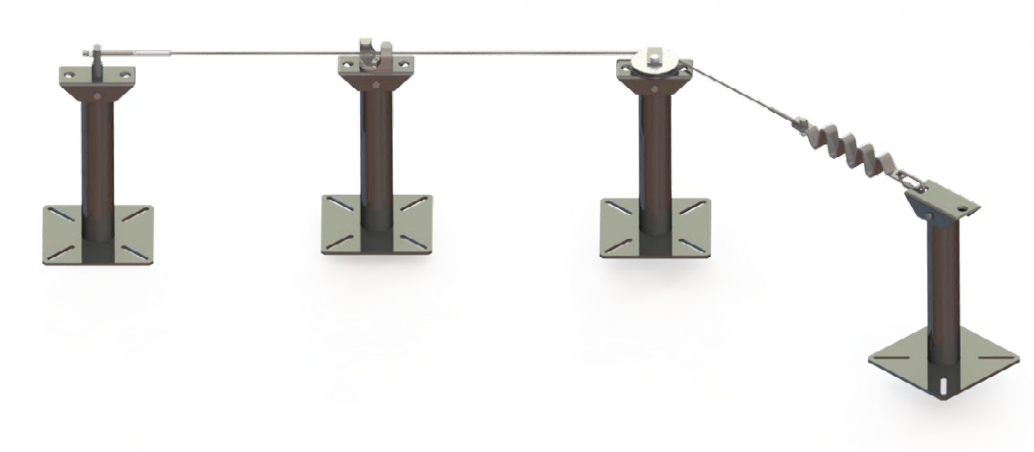
Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

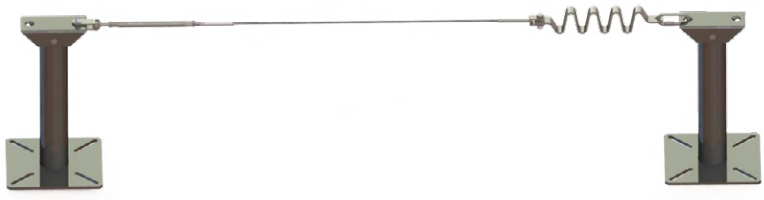
All technical documents, certifications and specifications are available by scanning the QR Code on the side or on the page of our website **www.sicurpal.com**.

BASIC LINE COMPOSITION OF MULTIPLE SPANS WITH BYPASSABLE LINE WITH DOUBLE CARABINER OR DOUBLE ROPE



BASIC LINE COMPOSITION OF MULTIPLE SPANS WITH BYPASSABLE LINE WITH CABLE TROLLEY

BASIC LINE COMPOSITION OF SINGLE SPAN



25

SHED LINE

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E

Hot-dip galvanized and stainless steel devices

The Shed Line plates allow you to install a wall lifeline with bypass points.

GENERAL CHARACTERISTICS

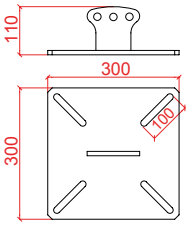
- This product is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015 Type A and Type C standards;
- There is a choice between items with the body either in hot-galvanized steel S235 (Fe360), and pickled stainless steel AISI 304;
- Cable supports and accessories of the safety lifeline are entirely in stainless steel;
- Base plate with slots to easy the fixing and increase the elasticity of the system;
- 300x300 mm plate for fixing to brickwork;
- 180x180 mm plate for fixing to reinforced concrete;
- 300x60 mm plates for fixing to ready-made reinforced concrete slabs;
- Electronic identification system with dual technology: QR Code and NFC;
- BIM drawings of the line are available on the site.

Further information is available about our products on our web site **www.sicurpal.com**

Wall plate SZG

- Fixing plate 300x300 10 mm thickness;
- 10 cm long slot for easy fastening;
- Ideal for safety lifelines on brick walls (min. thickness 20 cm);
- 3 holes for fixing the safety lifeline.

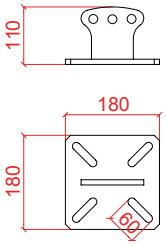
Code 000037 Galvanized / Code 001509 Inox



Wall plate SZP

- Fixing plate 180x180 10mm thickness;
- 10 cm long slot for easy fastening;
- Ideal for safety lines on reinforced concrete walls;
- 3 holes for fixing the safety lifeline.

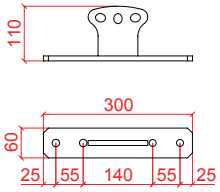
Code 000188 Galvanized / Code 000262 Inox



Wall plate SZS

- Fixing plate 300x60 10 mm thickness;
- Ideal for safety lifelines on reinforced concrete slabs of prefabricated buildings;
- 3 holes for fixing the safety lifeline;

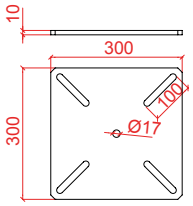
Code 000189 Galvanized / Code 000268 Inox



Wall plate PZFG

- Slotted fixing plate 300x300 mm in hot-galvanized steel with flared central hole Ø 17 mm;
- To be used to fix the accessories or as a counterplate

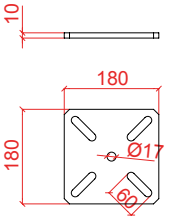
Code 000230 Galvanized / Code 001510 Inox



Wall plate PZFP

- Slotted fixing plate 180x180 mm in hot-galvanized steel with flared central hole Ø 17 mm;
- To be used to fix the accessories or as a counterplate

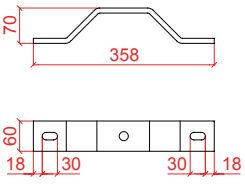
Code 000232 Galvanized / Code 001236 Inox



Wall plate PZFS

- Fixing plate 360x60 mm slotted in pickled AISI 304 stainless steel with central hole Ø 18 mm;
- To be used to fix the middle accessory.

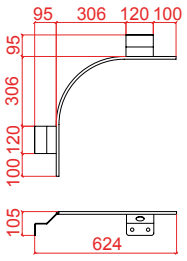
Code 000233 INOX



Internal curve – External curve

- Bypassable bracket cable support with cable trolley in stainless steel AISI 304;
- Designed to be fixed to the wall to give continuity to the lifeline in the corners of the building (technical rooms, stairwells)

Code 001373 Int. angle / Code 001374 Ext. angle



SHED LINE – LINE ACCESSORIES

Line

Bi-directional

Bidirectional bracket with bolts

Code 000184

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Support for turnbuckle

Support for turnbuckle/ tube in steel Stainless steel AISI 304

Code 000194

Mini support for turnbuckle

Mini turnbuckle support canula or sheath

Code 000765

Energy absorbers

Energy Absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Sicurdamp

Device with shock absorber and hydraulic tensioner

Code 003918

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

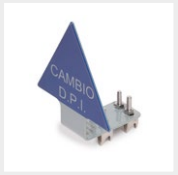
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Aluminium cable support

Bypassable cable support in aluminium with bolts

Code 001094

Cable support

Cable support in AISI 304 stainless steel

Code 000307 – 135°
Code 000308 – 90°
Code 000309 – 180°

Pulley

Aluminium pulley and AISI 304 stainless steel elements, with bolts

Code 000306

Spacer

Spacer 60x60 with bolt fixings

Code 000195

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Straight cable support for cable trolley

Adjustable cable support fixing for cable trolley

Code 000193

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable support Vrt Inc-Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001345

Cable support Vrt 90°

Vertical cable support fix 90° for AISI 304 stainless steel cable trolley

Code 001327

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

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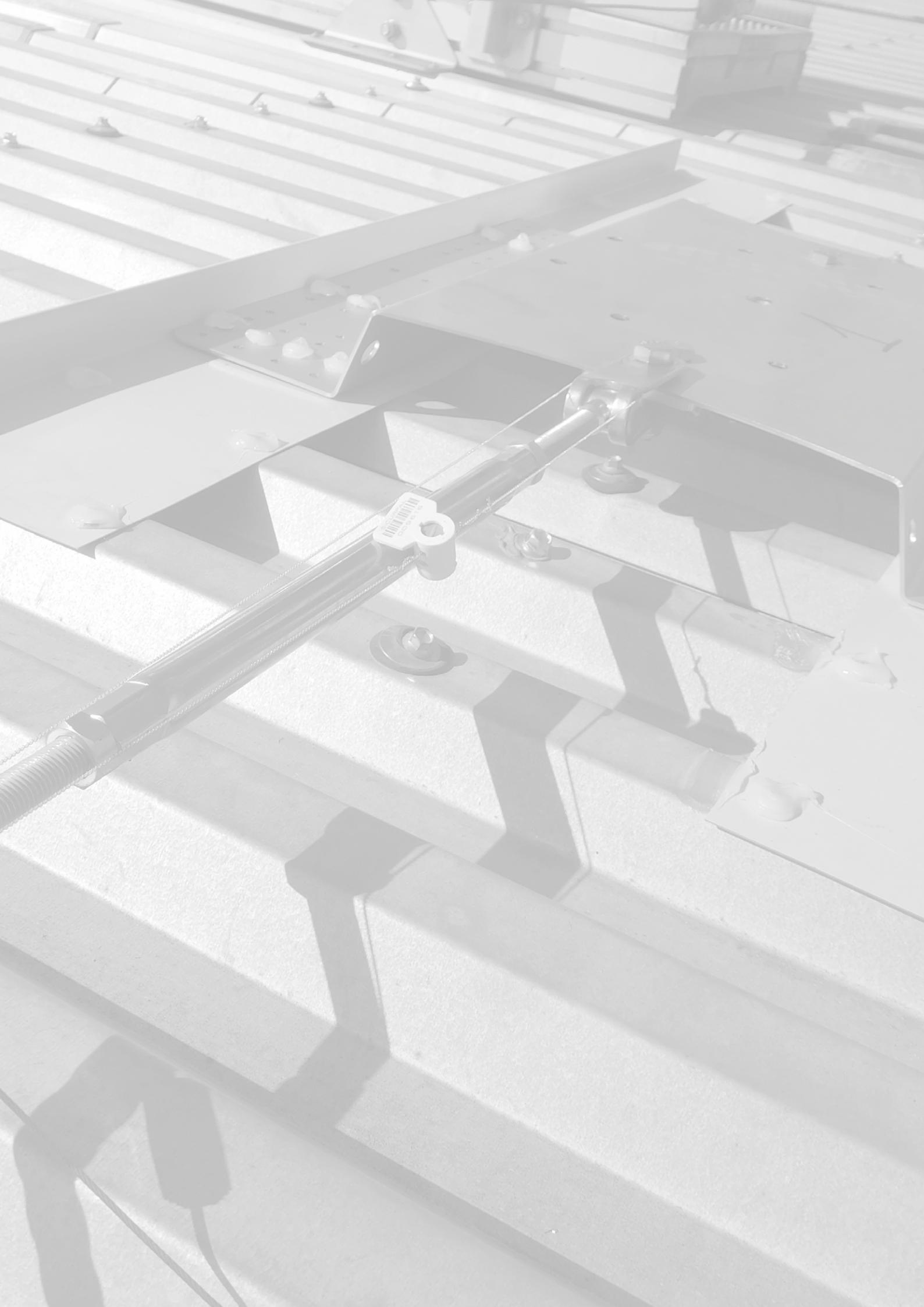
SHED LINE COMPOSITION MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER OR DOUBLE ROPE

SHED LINE COMPOSITION OF MULTIPLE SPANS WITH BYPASSABLE LINE WITH CABLE TROLLEY

SHED LINE COMPOSITION OF SINGLE SPAN



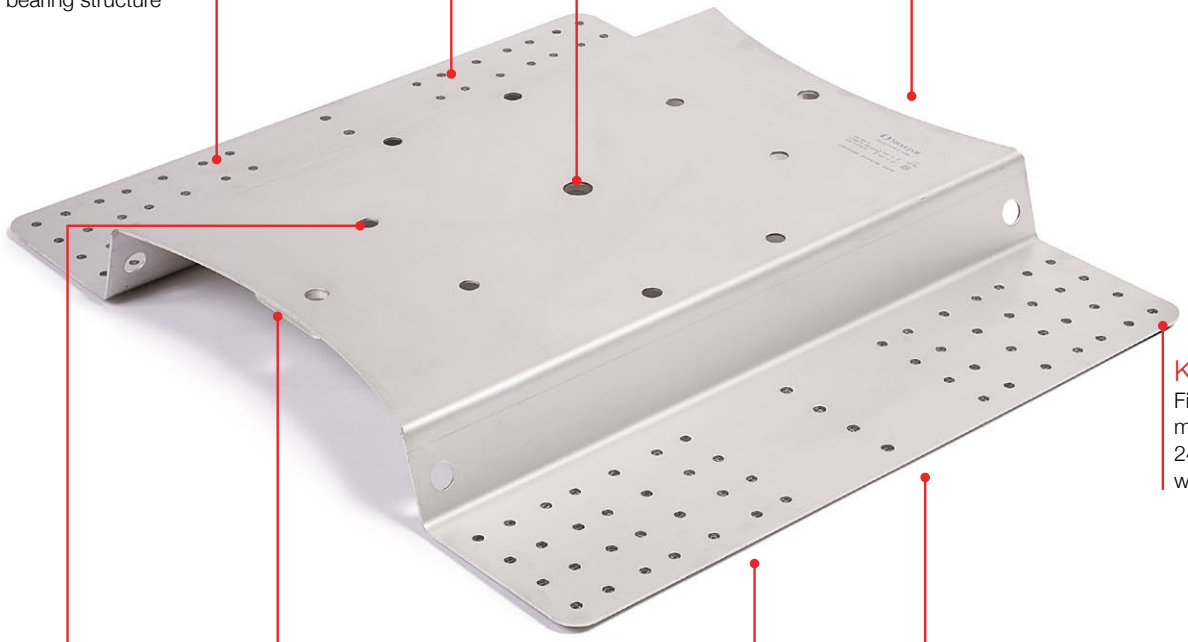
SICURLAM

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E

SICURLAM

Code 001517



RIVETTED FIXINGS
thanks to 14 rows of fixing holes we cover the majority of multi-wall sheeting

COUPLING ACCESSORIES HOLE
a-hook with BIG INFINITY for making lifelines (cable supports or the start of transversal lines)

LARGE HOLES
for fixing directly onto the load bearing structure

TESTING
holes for coupling test kit

KIT B16
Fixing kit, made up of 24 long rivets with seals

REINFORCED
reinforcement plate for using the plate itself as a hook for the lifeline

WATERPROOFING
layer of neoprene for a complete and safe waterproofing

FIXING HOLES XLAM Ø 11 MM
system for coupling XLAM accessories and to raise the height of the safety lifeline

MULTI-WALL FIXINGS
max 42 cm

Every day we stand beside the workers working at height to protect their most precious asset: life.

Safety lifeline products for sheetwork

Anchor system in stainless steel AISI 304 for fixing multi-wall sheeting.

A · C · 10 · INOX AISI 304 · NFC · MADE IN ITALY

GENERAL CHARACTERISTICS

- Low thickness plate in electropolished AISI 304 stainless steel;
- For use with all multi-wall sheeting with distance of up to 420 mm;
- Low thickness plate to reduce wear on the fixings
- Waterproofing guaranteed by a layer of neoprene;
- Mounting made easier by using aluminium flower rivets with held seals for a perfect waterproofing;
- Simple and fast mounting of accessories;
- This product is compliant and certified according to UNI EN 795:2012 and UNI 11578:2015 type C standards;
- Central supports in aluminium for use with a simple carabiner;
- Central support in AISI 304 stainless streel for use with the sliding cable trolley;
- Value for money;
- Electronic identification system with dual technology: QR Code and NFC;
- BIM drawings of the line are available on the site.

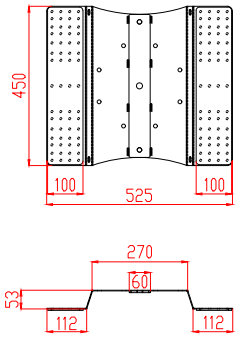
BIM

Further information is available about our products on our web site **www.sicurpal.com**

Sicurlam

- Plate in pickled stainless steel AISI 304
- Able to fix to multi-wall sheets with distance of up to 420 mm
- Plate 524x450 to distribute loads over a larger surface
- Cost effective and quick to install
- 8 holes for fixing to the Xlam plate
- B16 kit with aluminium rivets included

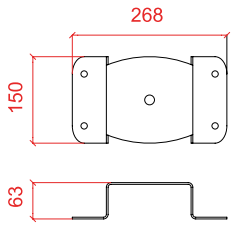
Code 001517



Xlam

- Intermediate aluminium fixing plate
- Essential to avoid the safety lifeline touching the sheeting
- Its shape reduces the load on the plate by deforming in case of falls
- We recommend using this product with the cable support for the cable trolley caused by the excessive height of the safety lifeline
- In stainless steel AISI 304

Code 000787

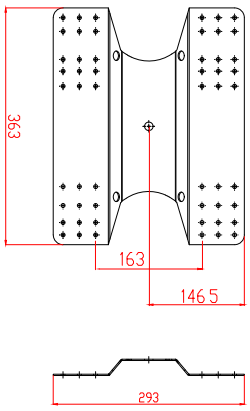


Plam

- AISI 304 stainless steel anchoring plate for sheet metal roofs Type A (with infinity) and C * or rail lifelines
- Fixing with aluminium rivet kit included
- Guaranteed waterproofing thanks to the neoprene sheath glued to the bottom
- It has a central hole of Ø 17 mm for fixing the accessories
- Product certified UNI EN 795:2012 and UNI 11578:2015

* Use as a Type C device is allowed only if it acts as a linear intermediate device for Sicurlam lifelines.
It cannot be used to build a curve, corner or end device and must be combined with the B20 kit.

Code 001439



Pair of sheets

Pair of stainless steel reinforcement sheets 8/10 thick with rivets and sealing neoprene.

Code 002648 – INOX AISI 304

Cod. 002647 – pre-painted

Reinforcement sheet 105x67

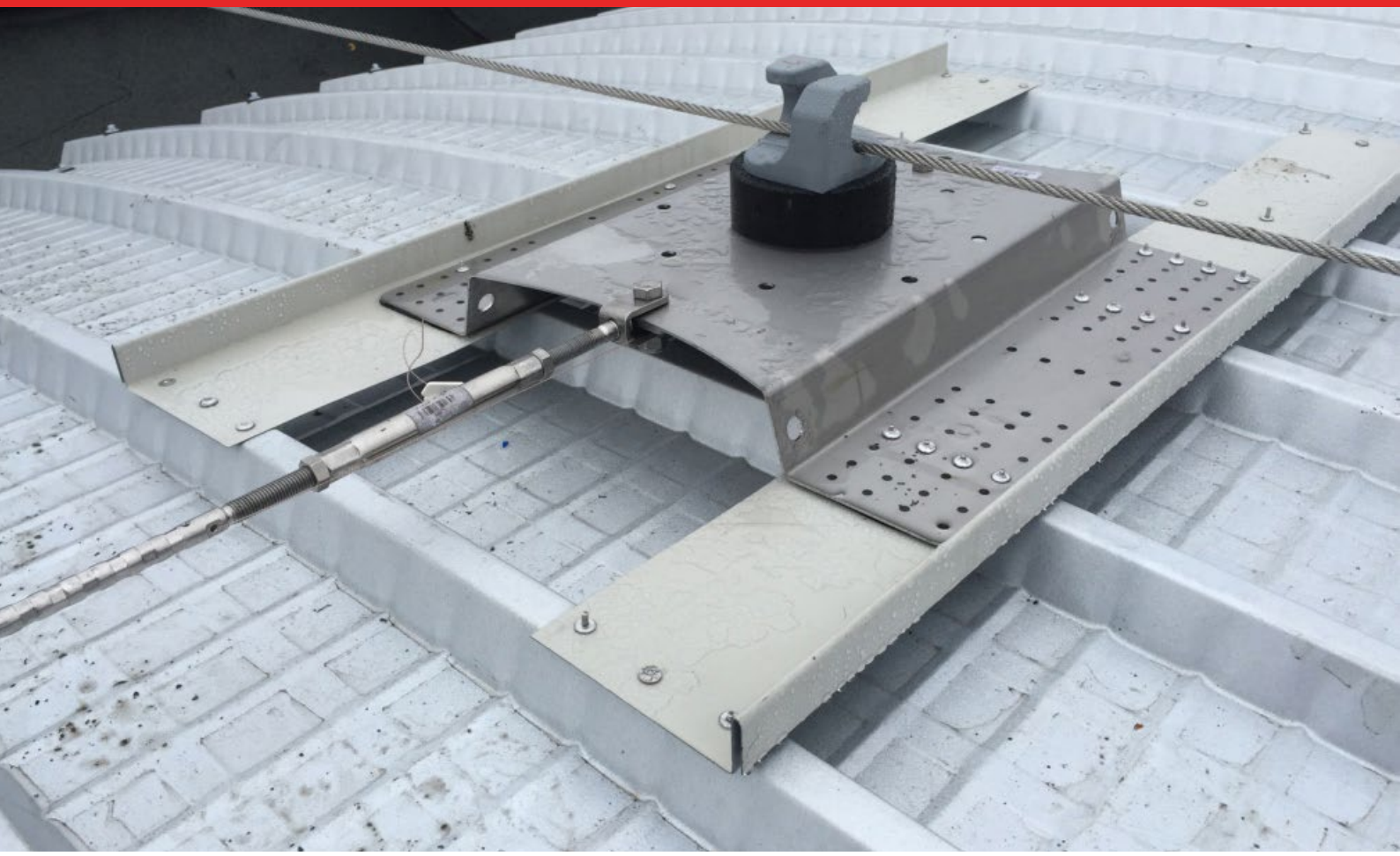
Sheeting with rivets 8/10 thick for use in double reinforcement

Code 000632 – INOX AISI 304

Cod. 000631 – pre-painted

Note: The reinforcement plates are indispensable for fixing on multi-wall sheets of reduced thickness.
To insert them, read the manuals carefully and rely on a qualified technician for a correct evaluation.

SICURLAM – LINE ACCESSORIES



Line

Lifeline connector

Lifeline plate coupling device

Code 001459

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Support for turnbuckle

Support for turnbuckle/ tube in steel Stainless steel AISI 304

Code 000194

Energy absorbers

Energy Absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

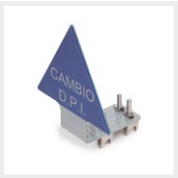
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Aluminium cable support

Bypassable cable support in aluminium with bolts

Code 001094

Cable support

Cable support in AISI 304 stainless steel

Code 000307 – 135°
Code 000308 – 90°
Code 000309 – 180°

Pulley

Aluminium pulley and AISI 304 stainless steel elements, with bolts

Code 000306

Black spacer

Spacer Ø 120 h45 mm in black with bolt

Code 002751

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Cable support Adj

Adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable support 90°

Cable support fix 90° for AISI 304 stainless steel cable trolley

Code 001327

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

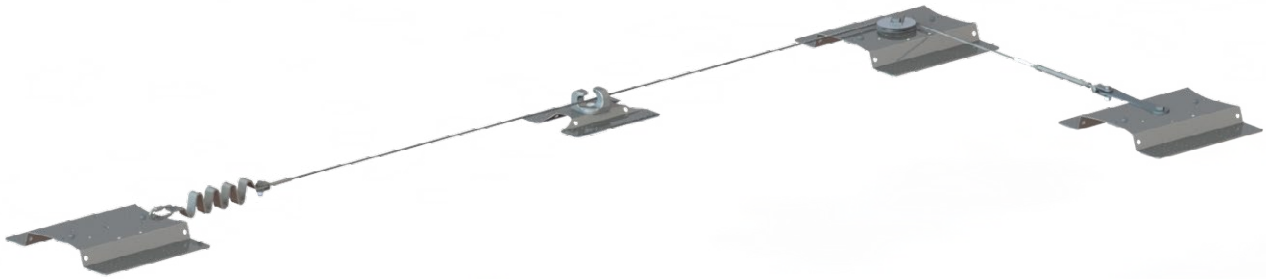
Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

All technical documents, certifications and specifications are available by scanning the QR Code on the side or on the page of our website **www.sicurpal.com**.

SICURLAM LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CARABINER OR DOUBLE ROPE



SICURLAM LAYOUT FOR MULTIPLE SPANS WITH BYPASSABLE LINE WITH CABLE TROLLEY

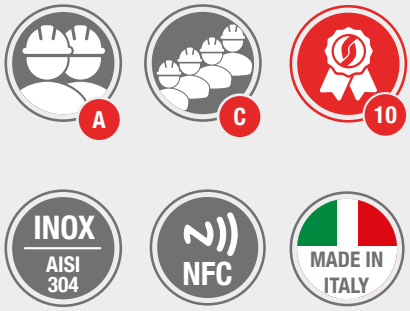
SICURGRAF

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A **B** **C** D E

Stainless steel devices

Sicurgraf devices are the ideal solution for roofs with double fold joints



GENERAL CHARACTERISTICS

- Anchor device is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015 Type A and Type C standards;
- Structure entirely in AISI 304 stainless steel;
- Can be used on all sheet metal roofs with double fold joints;
- Installation of the device does not require drilling;
- Type A is certified for 2/4 people, Type C is certified for 4 people.
- Reduced installation times and without the need for sophisticated equipment.
- Electronic identification system with dual technology: QR Code and NFC.

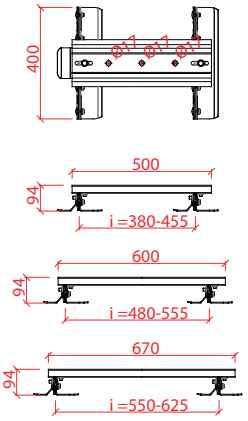
Further information is available about our products on our web site **www.sicurpal.com**

SGF4

- Type C anchor that may be used with all the lifeline accessories;
- Suitable for use by up to 4 people;
- AISI 304 stainless steel device consisting of two 400x70 mm angle irons and two Z brackets;
- Adaptable to fit differently spaced roof joints (from 380 to 625 mm);
- Z brackets with central Ø17 mm hole for fixing accessories;
- Device provided with holes to insert snow guard accessories.

Code 002798 – sheeting 500 mm / Code 002809 – sheeting 600 mm

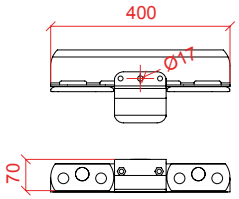
Code 002810 – sheeting 670 mm



SGF2C

- Type C anchor that may be used with all the lifeline accessories;
- Suitable for use by up to 2 people;
- AISI 304 stainless steel device consisting of an angle iron of 400x70mm and a Z bracket;
- Z brackets with central Ø17 mm hole for fixing accessories;
- Device provided with holes to insert snow guard accessories.

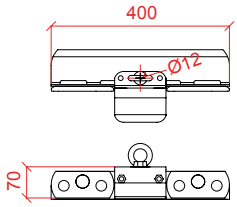
Code 002802



SGF2A

- Type A anchor
- Suitable for use by up to 2 people;
- AISI 304 stainless steel device consisting of an angle iron of 400x70 mm, a Z bracket and an eyebolt;
- Z brackets with central holes Ø12 mm for fixing accessories;
- Device provided with holes to insert snow guard accessories.

Code 002797



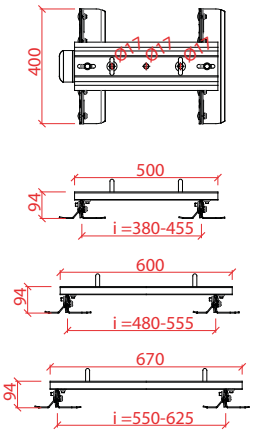
SGF4 + Eyebolts

- Type A anchor to be installed together with two eyebolts Code 002832 with snow guard accessories;
- Suitable for use by up to 4 people;
- AISI 304 stainless steel device consisting of two angle irons of 400x70 mm and two Z brackets;
- Adaptable to fit differently spaced roof joints (from 380 to 625 mm);
- Z brackets with central hole Ø17 mm for fixing accessories.

Code 002798 + Code 002832 – sheeting 500 mm

Code 002809 + Code 002832 – sheeting 600 mm

Code 002810 + Code 002832 – sheeting 670 mm



SICURGRAF – LINE ACCESSORIES

Line

Eyebolt

Male eyebolt, 316 stainless steel, M16 + bolt

Code 000789

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

L bracket

Bracket to support accessories of 65x65 mm

Code 003013

Support for turnbuckle

Support for turnbuckle/ tube in steel Stainless steel AISI 304

Code 000194

Energy absorbers

Energy absorber

Energy absorber for safety line in AISI 304

stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

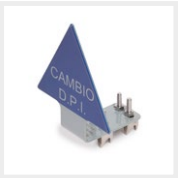
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Stainless steel cable support

Stainless steel 304 intermediate cable support with bolts

Code 000501

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

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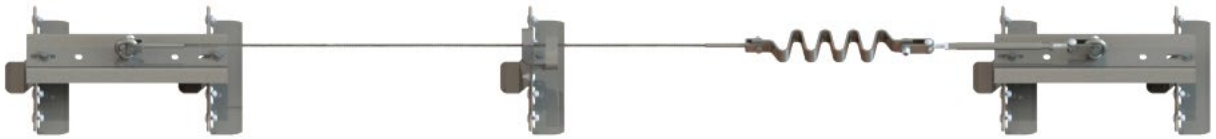
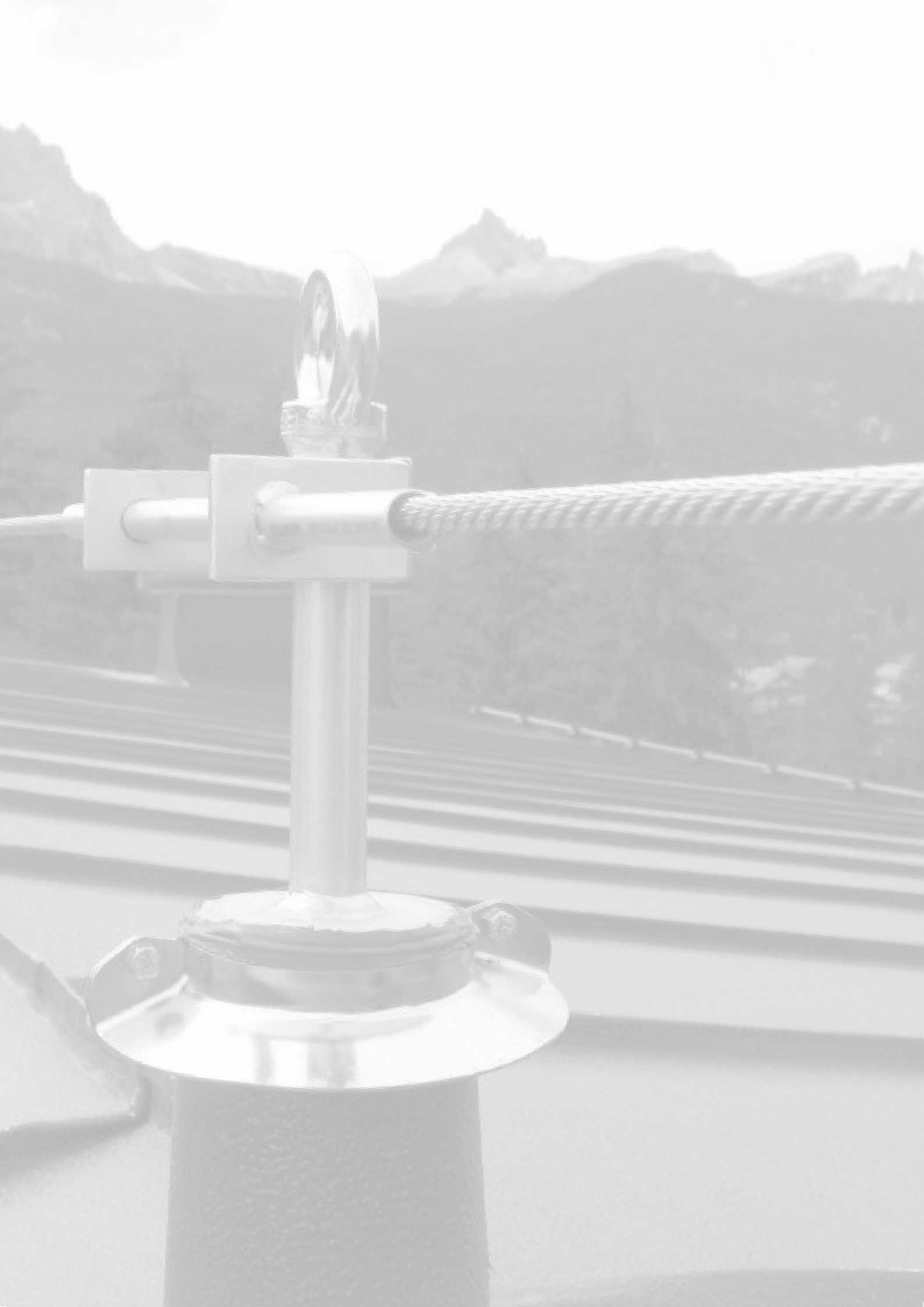
SICURGRAF LAYOUT FOR MULTIPLE SPANS MOUNTING WITH CRIMPING



SICURGRAF LAYOUT FOR SINGLE SPAN MOUNTING WITH CRIMPING



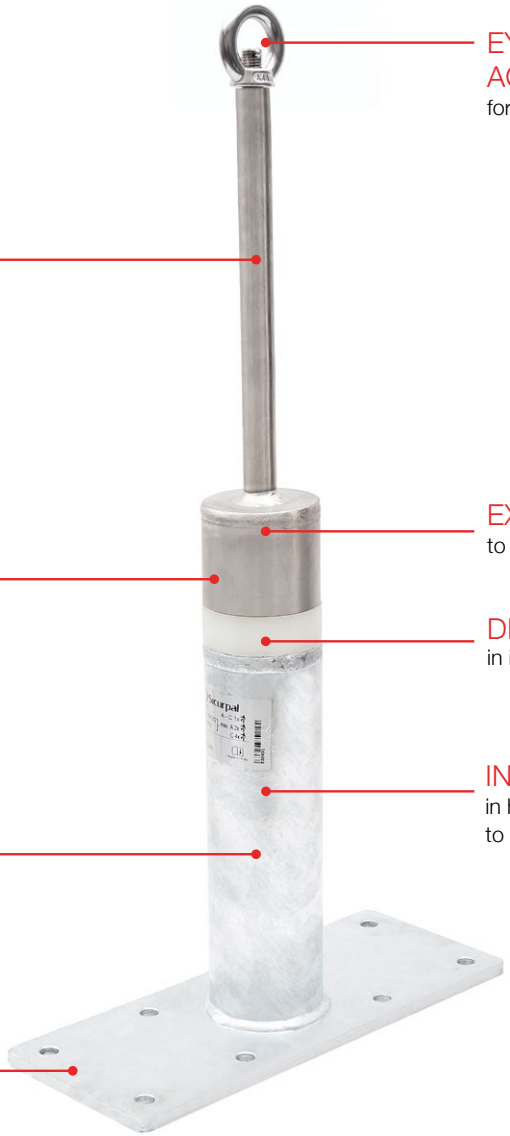
SICURTERM

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E

Lifelines are not all the same:
attention to small details creates a simple and quality product.

THERMAL POLE



EYEBOLT FOR COUPLING ACCESSORIES
for simple and cost-effective waterproofing

EXTERNAL PIN
able to cancel out system generated variations during atmospheric events

EXTERNAL PIN
to minimize the thermal bridge

EXTERNAL STRUCTURE
in stainless steel AISI 304

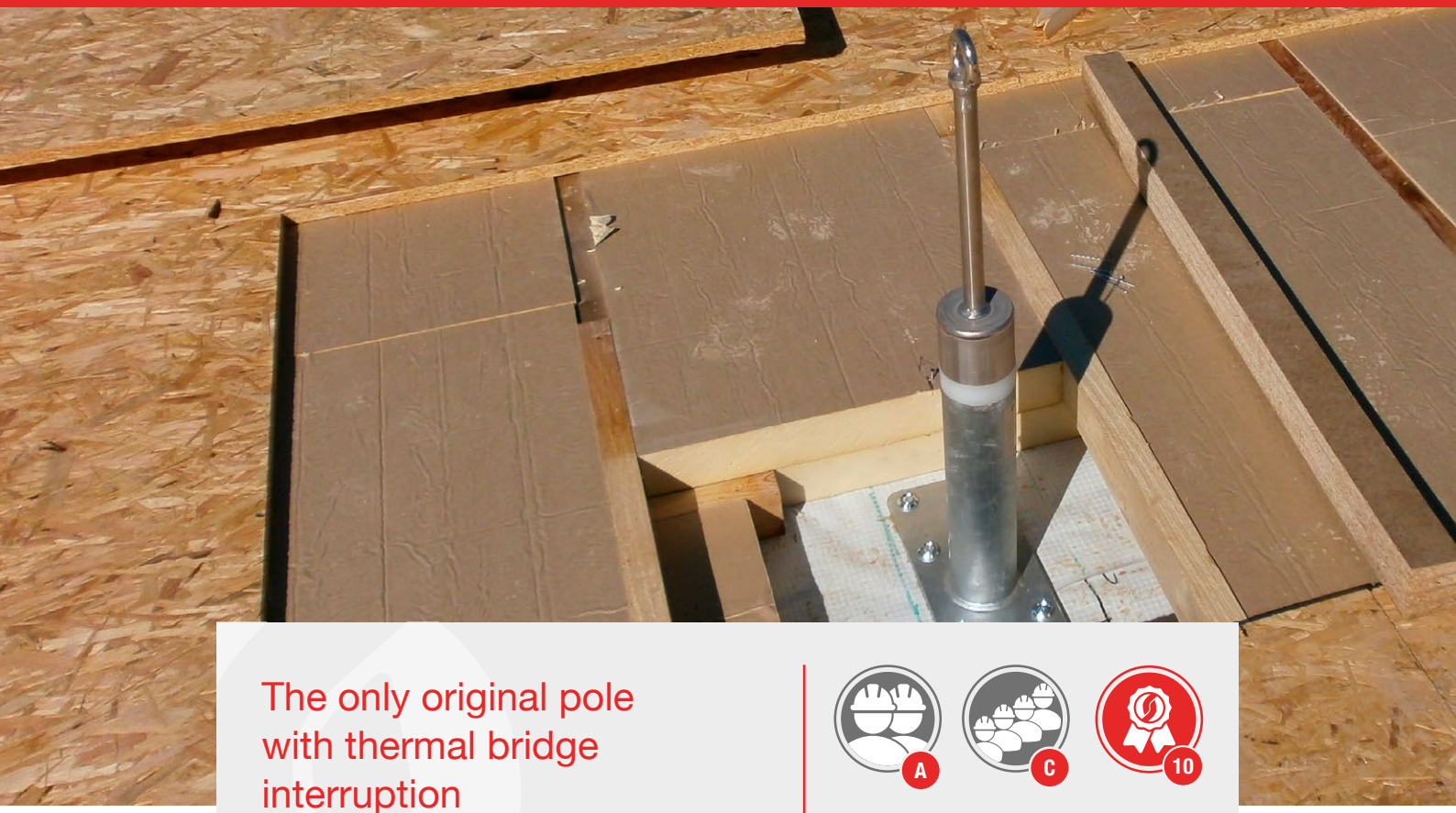
DISK
in insulating material

INTERNAL STRUCTURE
in hot-galvanized steel for an excellent quality to price ratio

SECOND DISC
insulator immersed in low density polyurethane foam

PLATE
for fixing to wooden beams

We know our products well because we make them.



The only original pole with thermal bridge interruption

Sicurterm is the pole designed for roofs with a Class A energy rating

A · C · 10 · INOX AISI 304 · NFC · MADE IN ITALY

GENERAL CHARACTERISTICS

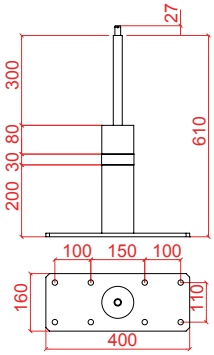
- This product is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015 Type A and Type C standards;
- Product designed to eliminate the problem of thermal bridges in roofs with a high level of thermal insulation;
- For a good quality/price ratio the inside of the pole is in hot galvanized steel and the outside is in stainless steel;
- Different heights to adapt to different roof thickness;
- Eliminates the problem of condensation during winter months;
- Outside constructed with a thinner diameter to reduce the irradiation surface, be less visible, be able to deform to reduce loads on the structure;
- Removable end eyebolt to optimise waterproofing tin work;
- It is essential that it be inserted during the design phase, as the pole must be installed on the load bearing structure of the unfinished roof.
- Reduced installation time and without the need for sophisticated equipment;
- Electronic identification system with dual technology: QR Code and NFC.

Further information is available about our products on our web site **www.sicurpal.com**

PTS pole

- Height of the device 65 cm;
- Base plate 400x160 mm thickness 10 mm with 8 fixing holes Ø15 mm;
- Ideal for roofs with certified Class A energy rating and insulation panels H 20/25 cm;
- Fastening designed to be using structural screws or threaded bars and two-component resin;
- Suitable for wooden and brick/cement roofs;
- Not visible from the inside of the roof;
- Pin with non-deformable eyebolt for loads of up to 200 kg.

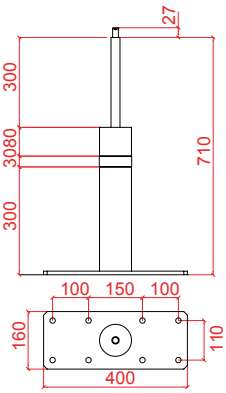
Code 001477



PTM pole

- Height of the device 75 cm;
- Base plate 400x160 mm thickness 10 mm with 8 fixing holes Ø15 mm;
- Ideal for roofs with certified Class A energy rating and insulation panels H 25/30 cm;
- Fastening designed to be using structural screws or threaded bars and two-component resin;
- Suitable for wooden and brick/cement roofs;
- Not visible from the inside of the roof;
- Pin with non-deformable eyebolt for loads of up to 200 kg.

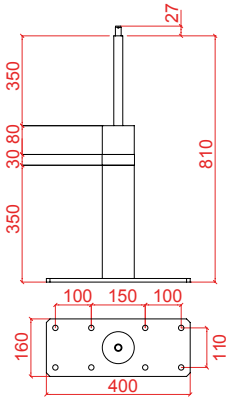
Code 001478



PTL pole

- Height of the device 80 cm;
- Base plate 400x160 mm thickness 10 mm with 8 fixing holes Ø15 mm;
- Ideal for roofs with certified Class A energy rating and insulation panels H 30/35 cm;
- Fastening designed to be using structural screws or threaded bars and two-component resin;
- Suitable for wooden and brick/cement roofs;
- Not visible from the inside of the roof;
- Pin with non-deformable eyebolt for loads of up to 200 kg.

Code 001479



SICURTERM – LINE ACCESSORIES

Line

Eyebolt

Eyebolt and split pin in AISI 304 stainless steel

Code 000058

Cable Ø 8

Cable Ø8-49 wires in stainless steel AISI 316 personalised

Code 006650

Support for turnbuckle

Support for turnbuckle/tube in steel STAINLESS STEEL AISI 304

Code 000194

Energy absorbers

Energy absorber

Energy absorber for safety line in AISI 304 stainless steel

Code 000033

Quick release carabiner

Quick release carabiner in stainless steel AISI 316

Code 001758

Sicurdamp

Device with shock absorber and hydraulic tensioner

Code 003918

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000032 Double jointed fork terminal
Code 000294 Jointed/Crimp.

Turnbuckle

Turnbuckle with crimping sleeve in AISI 316 stainless steel + bolts

Code 002477

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.
Code 002493 Double fixed fork terminal

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

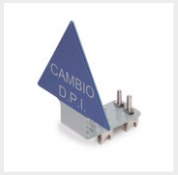
Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Signals



PPE limit signals

Limit signals with change indicator PPE compliant in AISI 304 stainless steel

Code 003924

Stop limit signals

Limit signals with stop indicator PPE compliant in AISI 304 stainless steel

Code 003935

Limit signals 355

Limit signals with indicator for use with AISI 304 stainless steel rope 355 L = 1.5 m

Code 003926

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable support accessories

Stainless steel cable support

Stainless steel 304 inter-mediate cable support with bolts

Code 000501

Cable support

Cable support in AISI 304 stainless steel

Code 000307 – 135°
Code 000308 – 90°
Code 000309 – 180°

PG bracket

PG anchor bracket

Code 000300

Cable trolley line accessories

Vrt cable support for cable trolley

Straight fixed cable support for cable trolley in stainless steel AISI 304 with bolts

Code 000192

Cable support Vertical Adj

Vertical adjustable cable support 0-45° for AISI 304 stainless steel cable trolley

Code 001344

Cable support Vrt 90°

Vertical cable support fix 90° for AISI 304 stainless steel cable trolley

Code 001327

Cable trolley L.L.

Openable anti-fall cable trolley in AISI 316 stainless steel with carabiner

Code 003747

Fixed cable trolley

Fixed cable trolley for lifeline with AISI 316 stainless steel carabiner

Code 003927

DRN

Fixed cable trolley removal device

Code 003934

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

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SICURTERM LAYOUT FOR MULTIPLE WITH BYPASSABLE LINE WITH CARABINER OR DOUBLE ROPE

SICURTERM LAYOUT FOR MULTIPLE WITH BYPASSABLE LINE WITH CABLE TROLLEY

SICURAIR

UNI EN 795:2012
CEN/TS 16415:2013

A B C D E

The lifeline with the smallest tie on the market.

Ceiling lifeline for maintenance on trucks, buses, trains, planes.

C · NFC · 10 · Zn · INOX AISI 316 · MADE IN ITALY

GENERAL CHARACTERISTICS

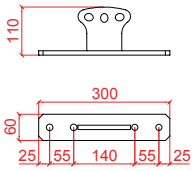
- Lifeline for special applications, ideal for working on buses, buses, airplanes, or machines with low-tension air lines
- This product is compliant and certified according to UNI EN 795:2012 and CEN/TS 16415:2013 standards;
- Spans of up to 30 m and a line up to 120 m
- May have 2 support cables
- The smooth running of the cable trolley is the equivalent of the rigid rail system
- Wide range of fixing plates for different types of structures
- Possibility of use with a system for recovering an injured person from ground level
- Possibility of maintaining the tension of the fall arrest system constant over time and with respect to thermal shocks
- Line material in AISI 316 and 304 stainless steel, end plates in AISI 304 stainless steel and S235 hot-galvanized steel
- Cable trolley is guaranteed for 40,000 cycles
- Electronic identification system with dual technology: QR Code and NFC.

Further information is available about our products on our web site **www.sicurpal.com**

Wall plate SZS

- Fixing plate 300x60 10 mm thickness;
- Ideal for safety lifelines on reinforced concrete slabs of prefabricated buildings;
- 3 holes for fixing the safety lifeline;
- Not for use with Pulley art. 000306;

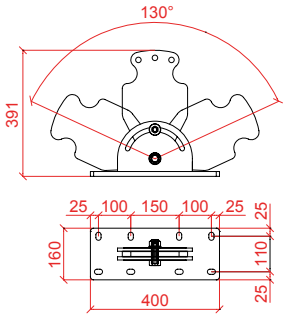
Code 000189 Galvanized / Code 000268 Stainless steel



SAR

- Made of AISI 304 stainless steel or hot galvanized steel;
- Base 400x160x15 mm with 8 slotted holes 15 mm for fixing;
- 2 lateral holes to use for anchoring the extremity of the line. The central hole is used only for tensioning the system during assembly;
- Plate designed for wall fixings with a lifeline not positioned perpendicular;
- Plate able to rotate to position itself parallel to the lifeline.

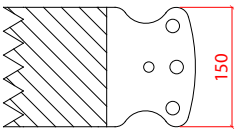
Code 003304 Galvanized / Code 003305 Stainless steel



SAR made to measure jig

- Special product custom built able to integrate into woodwork;
- Construction material: base AISI 304 stainless steel or hot-galvanized 235 steel 15 mm thick;
- The meshed part may be customized with the unique characteristic that it is rigid without plasticity.

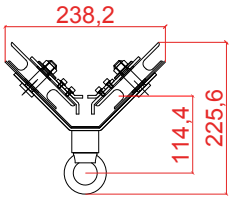
On request

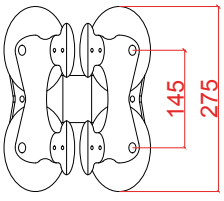


Sicurair CABLE TROLLEY

- Designed to work simultaneously on two cables Ø 8 mm;
- Composed of 4 pulleys supported by 8 bearings for perfect smoothness;
- Made entirely of stainless steel;
- Made of 3 safety systems to prevent accidental release of the cable.

Code 002957





SICURAIR – LINE ACCESSORIES

Line

Dn8 cable

Cable Ø 8 mm 19 wires
in 316 stainless steel

Code 002835

Spacers

Fixed spacer

Spacer in AISI 304
stainless steel for
fixed crimping cable

Code 002994

Movable spacer

Spacer for crimping
cable with integrated
release system

Code 003314

SicurAir limit signals

Limit signals for double
cable lines with stop
indicator

Code 003555

Turnbuckles

Turnbuckles

Turnbuckles for rope tensioning in AISI 316 stainless steel

Code 000294 Jointed/Crimp.

Turnbuckle single/double

Turnbuckles for rope tensioning in AISI 304 stainless steel

Code 002494 Fixed / Crimp.

Seal

Seal for tensioner block turnbuckle

Code 000290

Terminals

Fork terminal

Terminal with jointed jaw, with crimping sleeve in stainless steel AISI 316

Code 000293

Fork terminal

Terminal with fixed jaw, with crimping sleeve in stainless steel AISI 316

Code 000292

Plant ID

Lifeline ID

Lifeline identification code

Code 000291

Lifeline sign

Lifeline warning sign

Code 003354

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable trolley line accessories

Intermediate

Stainless steel AISI 304 intermediate for cable trolley

Code 003011

Ceiling pole

Fix cable support fixing bracket in AISI 304 stainless steel

Code 004021

Every day we stand beside the workers working at height to protect their most precious asset: life.

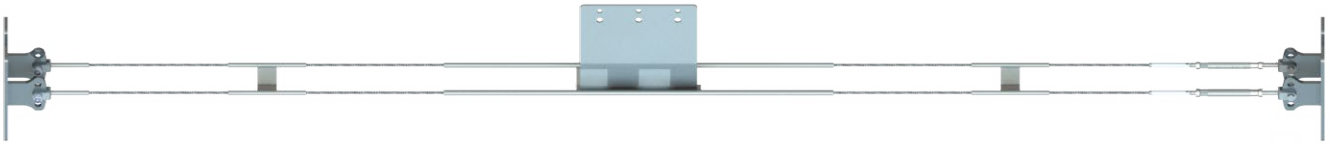
CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012 and CEN/TS 16415:2013.

All technical documents, certifications and specifications are available by scanning the QR Code on the side or on the page of our website **www.sicurpal.com**.

SICURAIR LAYOUT FOR LINEAR SPAN

SICURAIR LAYOUT FOR INCLINED LINEAR SPAN



ALURAIL

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C **D** E

Fall arrest system with Alurail rail

Roof safety with extremely low visual impact

D · QR CODE · 10 · AI · NFC · MADE IN ITALY

GENERAL CHARACTERISTICS

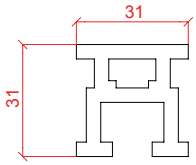
- This device is compliant and certified according to UNI EN 795:2012, CEN/TS 16415:2013 Type D and UNI 11578:2015 standards;
- Extremely low visual impact;
- Minimum dimensions of rail;
- Rigid structure that allows the load to be distributed over the whole roof, rather than putting stress on the anchor points only;
- Possibility to fix directly to the bearing structure of solar panels;
- Possibility to adapt completely to the shape of the roof;
- Easy for the operator to use, above all thanks to the absence of poles to be bypassed;
- Able to be used for several operators;
- Greater safety for the operator: in the event of a fall the rail produces an insignificant deflection of the fall clearance;
- Possibility of closing the rail tubes in order to protect them from infiltration, insect nests and bird.

Further information is available about our products on our web site **www.sicurpal.com**

Fall protection rail

- Aluminium 6060 T5 rail with soft anodised finish, available in 3 and 6 m bars;
- Option to adapt the length of the rail to needs during installation, restoring the fixing holes;
- The surface is smooth and free from protruding edges;
- The rail can be positioned so that the trolley is facing upwards, downwards or to the side;

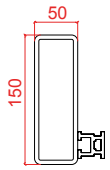
Code 000553 3 m / Code 000554 6 m



Alurail S rail reinforcement tubes

- 6060 T5 Aluminium reinforcement pipe with soft anodised finish, 50x150 mm, 4 mm thick;
- Housing substructure required for spans with dimensions to be assessed on a case-by-case basis;
- Rail fixed directly on the pipe using M10 stainless steel hardware elements;
- Available in 6 mt bars.

On request



Alurail S reinforcement tube accessories

Tubular junction

Tubular junction in AISI 304 stainless steel

Code 002961

Tubular junction

Tubular junction in AISI 304 stainless steel

Code 002962

ALURAIL S – DEVICE ACCESSORIES

Accessories

Junction jaw

Stainless steel junction jaw

Code 000559 AISI 304
Code 004919 AISI 316

Fixed stop

Anodised aluminium limit signals stop with 316 stainless steel bolt

Code 000562

Stop

External opening limit signals stop

Code 000560 ext.

Stop

Internal opening limit signals stop

Code 000561 int.

Stop spare part

External opening stop spare part

Code 002616

Entry/exit

Accessory for inserting and exiting the trolley in the rail

Code 000522

Exchanges

Stainless steel accessory for moving the trolley to another line without disconnecting it

Code 000523 90° rotation
Code 000524 180° rotation

Curves

Horizontal curve

Anodized horizontal 90° curve

Code 000555

Vertical internal/external curve

Anodized vertical 90° external/ internal curve

Code 000557 ext.
Code 000556 int.

Special curve

Special bespoke curve

On request

Alurail S trolleys in stainless steel AISI 304 and copper

HCTB trolley

HCTB trolley for horizontal rail

Code 004274 – Type B

HCTC trolley

HCTC trolley for horizontal rail

Code 004275 – Type C

HST2 trolley

HST2 trolley with eye-bolt for horizontal rail

Code 000551

Alurail S fixing plates and brackets

Alurail S fixing plate

Fixing plate for non-standard applications

Code 002572 (AISI 304)
Code 004930 (AISI 316)

Expansion plate

Expansion plate for non-standard applications

Code 002720 (AISI 304)

Welded fixing plate

Welded fixing plate in AISI 304 stainless steel with bolts M10x45

Code 004923 (AISI 304)
On request (AISI 316)
Code 005199 with other bar sizes.

Welded thermal fixing plate

Welded fixing plate in AISI 304 stainless steel, for thermal expansion, with M10x45 bolts

Code 004300 (AISI 304) Other bar sizes on request

C bracket Length 80

Stainless steel C bracket Length 80

Code 000756

S bracket

Stainless steel S bracket for rail

Code 000757

Omega bracket

Omega Alurail S bracket

Code 003984

Plant ID

Lifeline ID

Identification code

Code 000291

Sign

Warning sign for rail lifeline

Code 002615

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

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ALURAIL S LAYOUT FOR SINGLE SPAN FIXING DIRECTLY INTO THE STRUCTURE

ALURAIL S LAYOUT FOR SINGLE SPAN FIXING DIRECTLY INTO METAL SHEET ROOFS

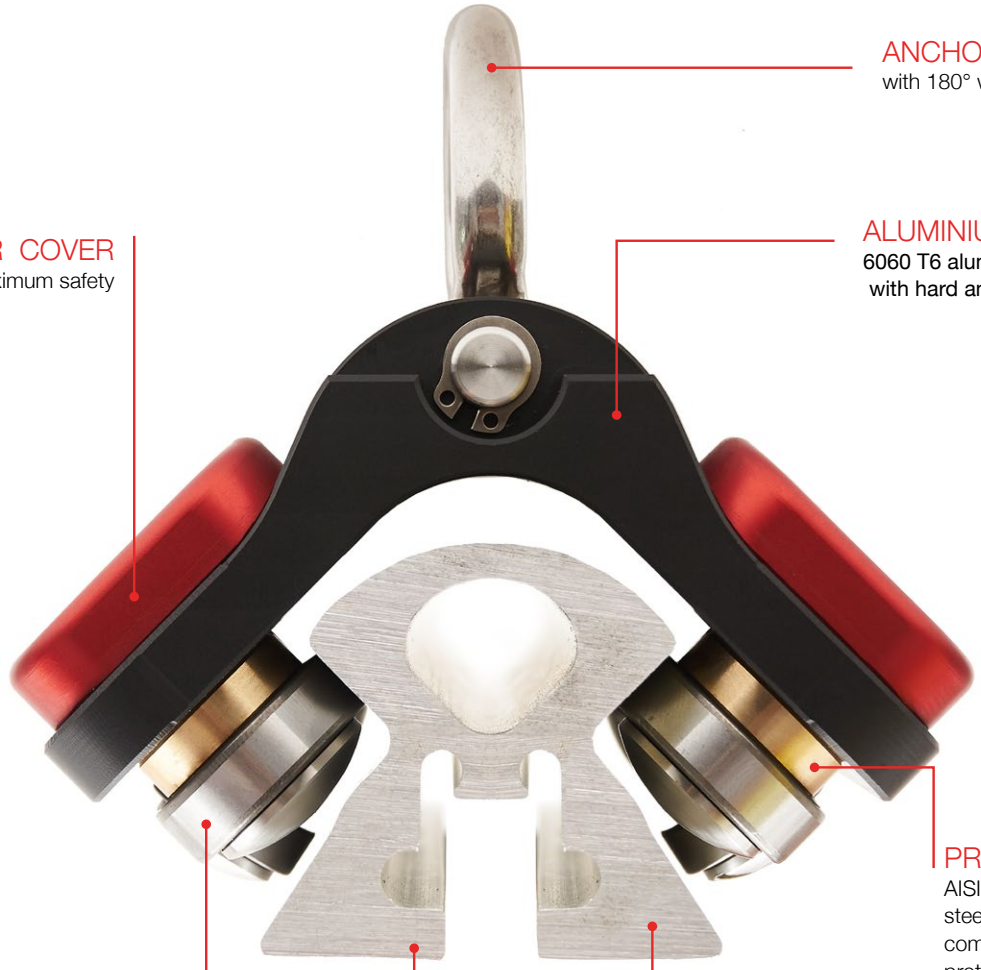
ALURAIL S LAYOUT FOR SINGLE SPAN FIXING DIRECTLY ONTO REINFORCED SPANS OF OVER 1 M

Every day we stand beside the workers working at height to protect their most precious asset: life.

Lifelines are not all the same:
attention to small details creates a simple and quality product.

ALURAIL L

Code 003911 - L 3 m / Code 003910 - L 6 m 6060 T6 alloy



ANCHOR POINTS
with 180° working angle

ALUMINIUM BODY
6060 T6 aluminium
with hard anodising

ANTI TAMPER COVER
for maximum safety

PROTECTION
AISI 304/316 stainless steel and brass components for protection against dust and dirt

6 BALL BEARINGS
for a perfectly smooth running

DESIGNED SPECIFICALLY
to work with high smoothness on:
the flat, vertical and ceiling.

OPTIMIZED FORM
for spans up to 4 m;
for spans up to 6 m with addition of the tubular

Fall protection rail

- Produced in anodised aluminium 6060 T6
- Size 56x51.50 with the possibility of fixing along the entire length of the profile
- Ideal for ceiling lifelines where high smooth running is required
- Available in 6 mt and/or 3 mt bars
- Certified according to EN 795:2012 for no. 1 user, and according to CEN/TS 16415:2013 and UNI 11578:2015 for no. 4 persons maximum

Code 003911 L 3 m / Code 003910 L 6 m

Alurail L tube (on order)

- Rail-Tubular system tested as a single system according to UNI EN 795:2012, CEN/TS 116415:2013 and UNI 11158:2015
- Dimensions 60x60x5 mm
- Hot-dip galvanised S235 tubular
- Tube sizing customisable on request
- Drilling of the rail according to the order

On request

Alurail L junction for rail and tube

- Alurail L junction designed to join both rail and structural support tube

Code 005477

ALURAIL L – DEVICE ACCESSORIES

Accessories

Fixed terminal Alurail L

Fixed terminal Alurail L with nuts and bolts

Code 003831

Movable terminal

Movable terminal for Alurail L, with hammer bolts for clamping to the rail

Code 003987

Cap Alignment kit

Number No. 2 alignment cap in stainless steel AISI 304

Code 003894

Junctions

Junction

Steel junction for mechanical sealing of the system for spans of max. 1.5 m

Code 006522

Junction with triple plate

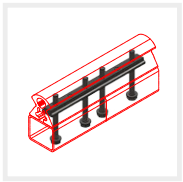
AISI 304 steel junction for mechanical sealing of the system for spans of max. 4 m

Code 004737

PZ bracket joint

Junction and bracket in S235 and 304 stainless steel for mechanical sealing of the system between 2 rails

Code 004731



Tubular junction

AISI 304 stainless steel coupling to complement the tubular

Code 005477

Fixing plates and brackets Alurail L

Alurail L fixing plate

Fixing plate for non-standard applications

Code 002572 (AISI 304)
Code 004930 (AISI 316)

Expansion plate

Expansion plate for non-standard applications

Code 004945 (AISI 304)

Welded fixing plate

Welded fixing plate in AISI 304 stainless steel with bolts M10x45

Code 004923 (rail anchoring to support structure)

Code 005199 ((rail anchoring to tubular)

Welded thermal fixing plate

Welded fixing plate in AISI 304 stainless steel, for thermal expansion, with M10x45 bolts

Code 004239

C bracket Length 80

Stainless steel C bracket - 110x80x60 thickness of 10

Code 004183

L bracket

Stainless steel L brackets for roof curbs 168x60x110 thickness of 10

Code 004179

S bracket

Stainless steel S bracket for rail 162x60x40 thickness of 10

Code 004181

Omega bracket

Omega Alurail L bracket 175x130x45 thickness 6

Code 003984

Plant ID

Lifeline ID

Identification code

Code 000291

Sign

Warning sign for rail lifeline

Code 002615

Docubox

Document holder with fixing kit

Code 003334

System register

For recording lifeline activity

Code 002562

Cable trolley and accessories

Single cable trolley

Single cable trolley Alurail L

Code 003848

Lifeline connector

Connection to manage the movement of multiple cable slides simultaneously

Code 003909

ALURAIL L – DEVICE ACCESSORIES

Jigs

Junction jig

Made of 304 stainless steel, it allows the precise drilling of the ALURAIL L junction rail code 003993

Code 003994

Jig for universal junction

Allows the precise drilling of the ALURAIL L junction rail code 004726 - 004731 - 004737

Code 004751

Bolt with tip

Stainless steel bolt for rail marking or rail bolting

Code 005204

Support for rail drilling

Made of plastic, the drilling support allows the correct positioning of the rail during the drilling phase; work to be carried out if the junction device is to be installed.

Code 005200

Rail accessories

Rail plug

AISI 304 stainless steel plug to prevent the entry of insects

Code 005128

Tubolar cap

Plastic cap for sealing against the entry of insects

Code 005072

Brush kit

Rail cleaning brush kit

Code 004215
Code 005052 (spare part)

We know
our products
well because
we make them.

CERTIFICATIONS AND SPECIFICATIONS

Anchor system certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

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ALURAIL L LAYOUT FOR MULTIPLE SPANS ON A RIGID STRUCTURE

ALURAIL L LAYOUT FOR SINGLE SPAN

Fixed portal

- Designed to guarantee the safety of the operator working on tankers and cisterns.
- Designed to guarantee the continuous smooth running of the trolley in the presence of dust, even fine granular dust, or material deposited during travel.
- Available accessories that can clean and eliminate any build-up, when the trolley passes.
- Available accessories able to eliminate ice on the track.
- No need for extraordinary maintenance (spare parts are available to buy).

Self-supporting portal

- Designed to guarantee the safety of workers operating on tankers and cisterns, via a system without foundations.
- Installation of three portals in galvanized steel, held to the ground by reinforced concrete ballast and steel tie rods to anchor to.
- Availability of accessories capable of cleaning and eliminating build-up of ice, damp, liquid and dust on the rail.

Reel recovery system

- Ideal to maintain the spooling function
- Available in versions with coded key unlocking system
- Length variable in line with the height of the structure.
- Safety system to prevent accidental un-hooking
- Installable on any structural material (reinforced cement, iron, wood)

AUTOMATIC FALL
PROTECTION
SYSTEM
Sicurpal
Rech
FELTRE - ITALIA
A43

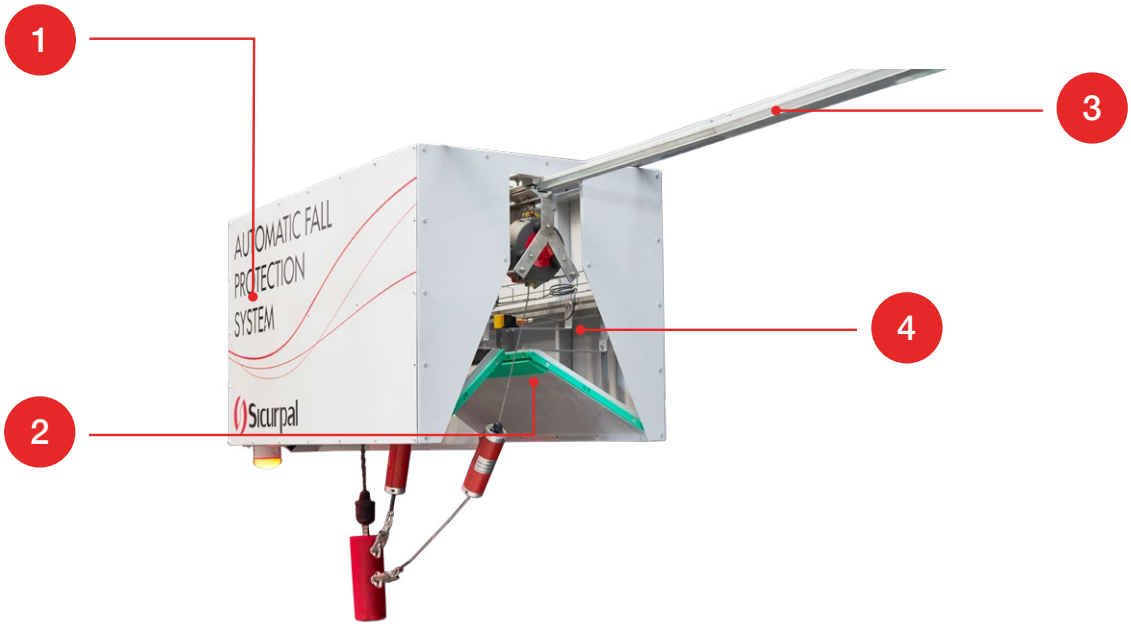
COMBO

Machinery Directive 2006/42/EC

CE

AUTOMATIC FALL PROTECTION SYSTEM

Electromechanical system for safe use of fall arrest systems using a bridge crane as a supporting structure.



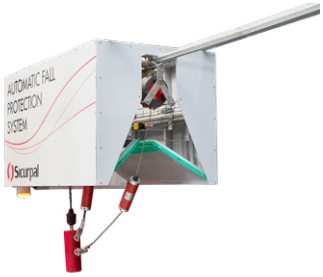
1 HOIST
System for lowering the reels and enabling use of the fall arrest system

2 PROTECTIVE CASING
Impact protection system made with plastic panels, decelerators and shock absorbing units

3 RAILS AND TROLLEYS
Smooth running track with trolleys specially adapted to reduce rocking generated by the fall arresters during handling activities;

4 DETECTOR SENSORS
Maximum safety for using the system is guaranteed by more than 10 sensors with type "E" safety grade PL

CERTIFICATIONS AND SPECIFICATIONS
The system is certified in accordance with Machinery Directive 2006/42/EC. Anti-fall rail and trolley certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.



Garage Combo

› Control, locking and depositing device for trolleys and reels

Code 004046

Control unit Combo

› Interface and control unit of the Combo system with electronic and safety devices for the bridge crane.

On request

Primary cable trolley

› Anti-fall cable trolley composed of a trolley customized for the primary position within the Combo system and a 10 m reel

Code 003908

Secondary cable trolley

› Anti-fall cable trolley composed of a trolley customized for the secondary position within the Combo system and a 10 m reel

Code 003909

Interface Report

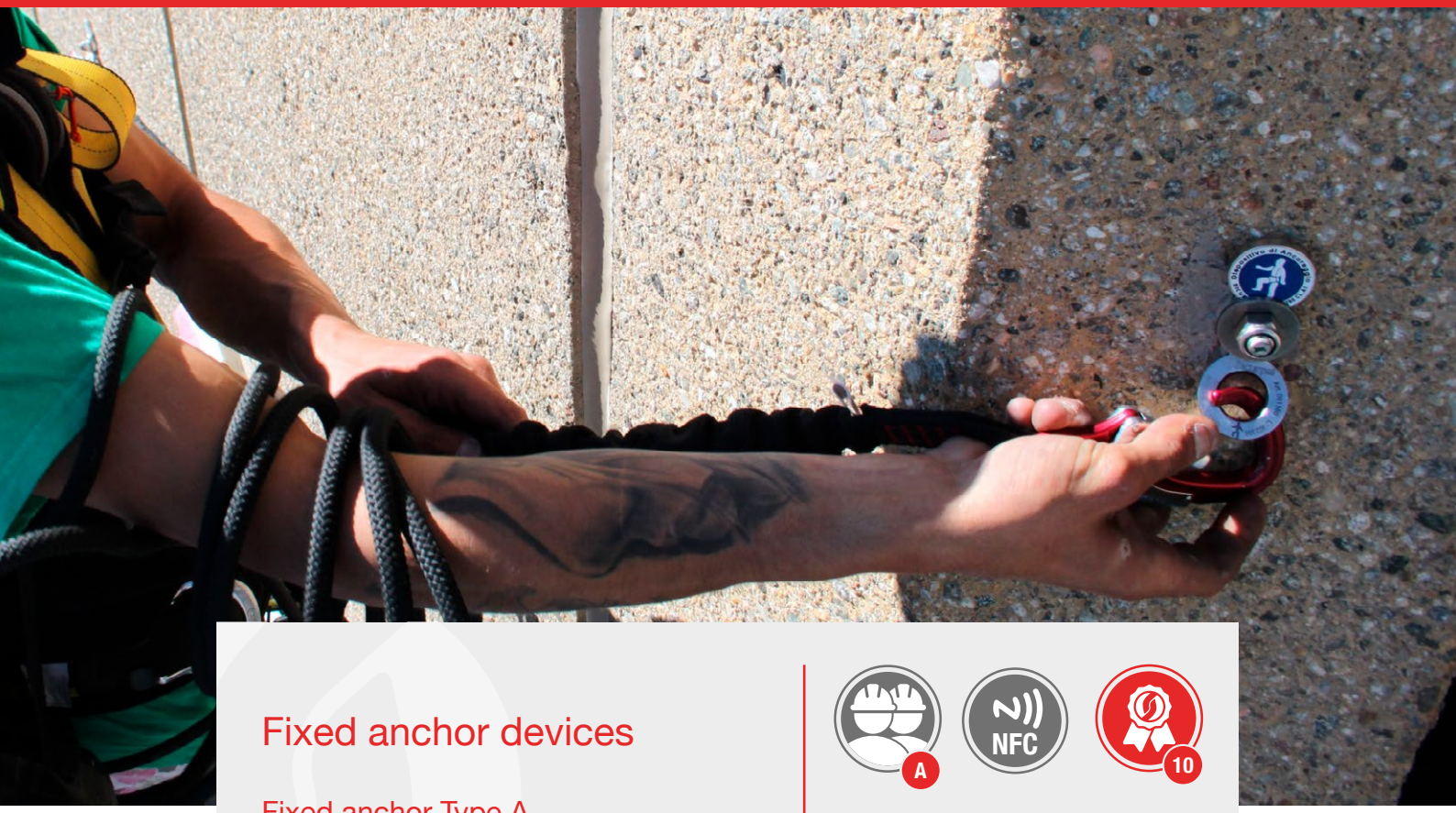
› Technical report for interfacing the system with the bridge crane. Includes risk assessment, electrical project and work procedure

Code 003988

FALL PROTECTION ANCHOR DEVICES

UNI EN 795:2012
CEN/TS 16415:2013
UNI 11578:2015

A B C D E



Fixed anchor devices

Fixed anchor Type A omnidirectional designed to optimize your work

A · NFC · 10 · INOX AISI 304 · Zn · MADE IN ITALY

GENERAL CHARACTERISTICS

- Fixed anchor devices designed to optimise work and provide safe access to roofs;
- Lightness of the materials;
- Functionality and speed of use of the product;
- They are the basis for a safe working environment;
- Adaptable for use on walls, doors, windows, sheds, civil and industrial buildings, beams, machinery;
- The devices carry the identification sign indicating: "UNI EN 795 CLASS A ANCHOR DEVICE".

CERTIFICATIONS AND SPECIFICATIONS

Anchor systems certified according to UNI EN 795:2012, CEN/TS 16415:2013 and UNI 11578:2015.

All technical documents, certifications and specifications are available by scanning the QR Code on the side or on the page of our website **www.sicurpal.com**.

Every day we stand beside the workers working at height to protect their most precious asset: life.

When it comes to safety at height, not all products are the same: attention to small details creates a simple and quality product.

INFINITY

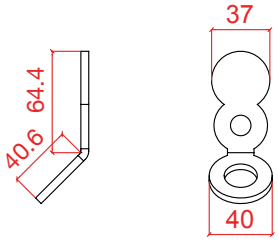
Code 001160 (INOX AISI 304)
Code 001904 (INOX AISI 316)

SIGN
integrated signalling

FIXING
with threaded rod Ø ≤ 12 mm

MATERIAL
in stainless steel AISI 304

ANCHOR POINT
Type A for 1 person



DOUBLE INFINITY

Code 001161 (INOX AISI 304)
Code 005088 (INOX AISI 316)

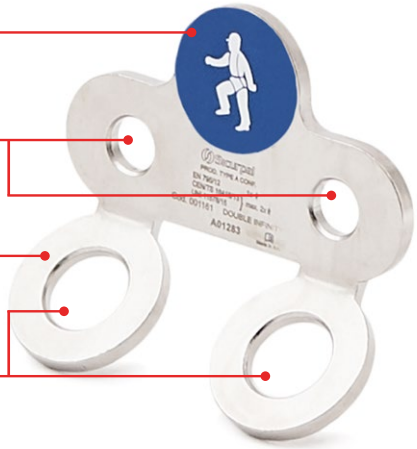
SIGN
integrated signalling

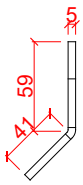
ANCHOR POINT
for simultaneous use
by 2 people

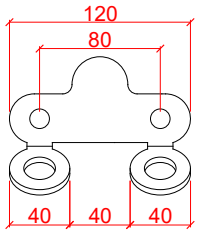
MATERIAL
in stainless steel AISI 304

FIXING
with threaded rod Ø ≤ 12 mm

WORKING METHODS
designed for suspension work
(work rope / safety rope)







BIG INFINITY

New product

Code 004782 for AISI 304 stainless steel Ø 12 bar
Code 005087 for AISI 316 stainless steel Ø 12 bar
Code 004983 for AISI 304 stainless steel Ø 16 bar
Code 005285 for AISI 316 stainless steel Ø 16 bar
Code 005288 for AISI 316 stainless steel Ø 20 bar

SIGN
integrated signalling

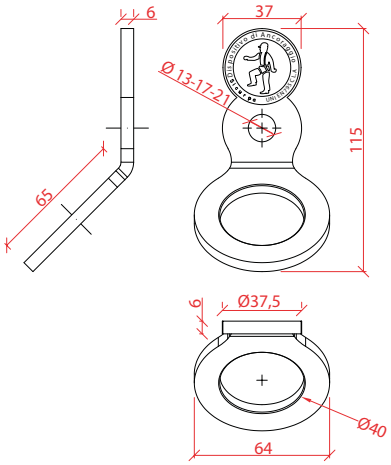
HOLE FOR THREADED ROD
available Ø 13 - 17 - 21

ANCHOR POINT
for simultaneous use by 2 people

PPE PASSAGE HOLE
increased Ø 40

MATERIAL
AISI 304 or 316 stainless steel

TESTED AND CERTIFIED
up to loads of 22 kN



FUSION RANGE

New product

Code 004762 AL aluminium anchor
Code 004741 AISI 304 stainless steel AX4 anchor
Code 004763 AISI 316 stainless steel AX6 anchor

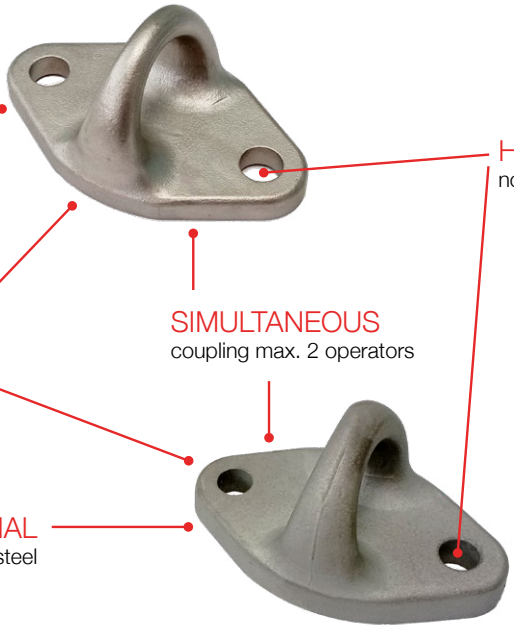
MATERIAL
anodised aluminium

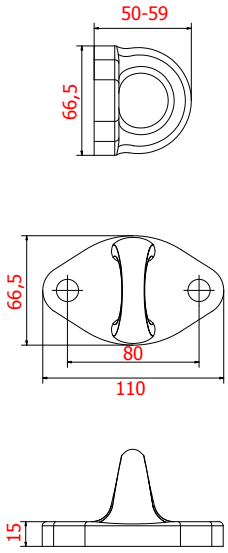
HOLES
no. 2 for M12 screws

SIMULTANEOUS
coupling max. 2 operators

TESTED
up to loads of 22 kN

MATERIAL
AISI 304 and 316 stainless steel





ST8 h 30 – h 50

Code 001483 h 30 / Code 001575 h 50

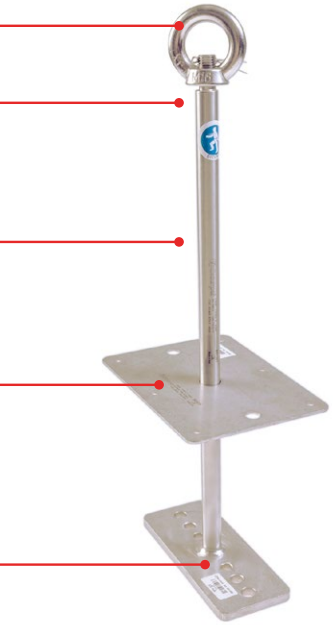
POLE WITH EYEBOLT
in stainless steel AISI 304

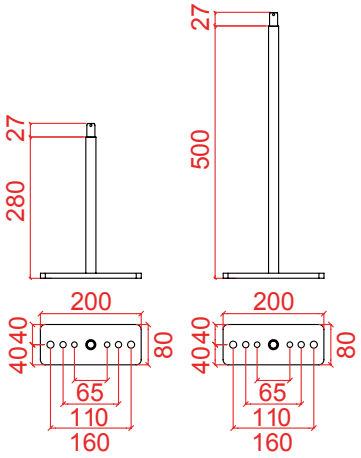
LIFTING POINT
ideal as a fixing point
for ascending beside skylights

PENDULUM EFFECT
ideal to avoid the pendulum effect
on roofs with two slopes

COMPULSORY SHEET METAL
for H 50 cm to maintain
plasticity within within 10 mm as per the
technical standard

FIXING
with 2 threaded rods Ø 10 or 12 mm
with structural wood screws
or with counter-plate





PLAM

Code 001439

with INFINITY

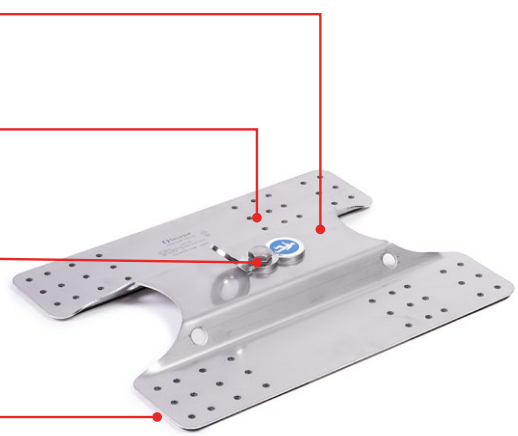
as an intermediate
SICURLAM LIFELINE

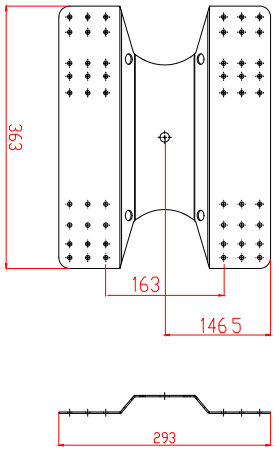
ANCHOR POINT PLATES
in AISI 304 stainless steel,
for corrugated sheet

FIXING
with rivet kit provided with the plate

CENTRAL HOLE
Ø 13 mm for fixing the INFINITY device
(sold separately) and intermediate
accessories of the Sicurlam* lifeline

WATERPROOFING
guaranteed waterproofing thanks to
the neoprene sheath glued to the bottom





* Use of PLAM as a Type C device is allowed only if it acts as a linear intermediate device for SICURLAM lifelines. It cannot be used to build a curve, corner or end device and must be combined with the B20 kit. Please refer to the SICURLAM product manual for further details.

When it comes to safety at height, not all products are the same: attention to small details creates a simple and quality product.

STR

Code 000182

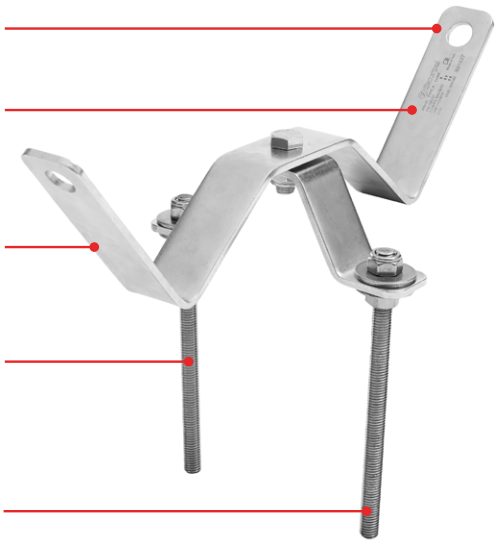
INSTALLATION
to be positioned at the support level of the ridge

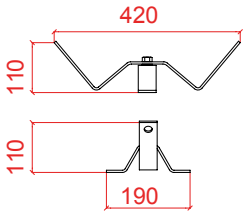
MATERIAL
AISI 304 stainless steel

ROOFS WITH FOUR SLOPES
ideal to avoid the pendulum effect

FIXING
with 2 threaded rods Ø ≤ 12 mm
with nut and counter nut

FAST MOUNTING
without opening the roof





STC

Code 000183 – stc AISI 304 stainless steel
Code 002525 - S235 galvanised stc
Code 001033 - slate stc

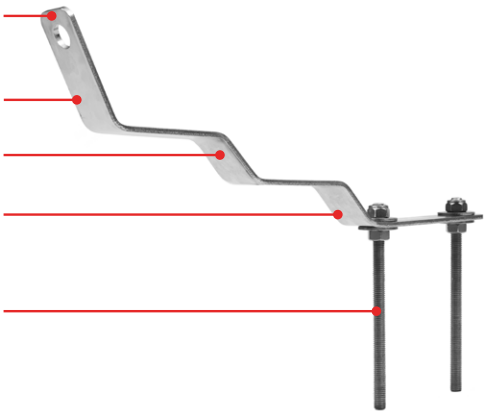
INSTALLATION
to be positioned at the roof tile support level

MATERIAL
AISI 304 stainless steel

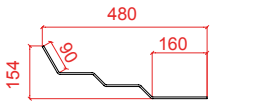
ROOFS WITH TWO SLOPES
ideal to avoid the pendulum effect

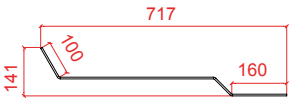
CANTILEVER
cantilever installation max. 20 cm

FIXING
with 2 threaded rods Ø ≤ 12 mm
with nut and counter nut



STC





Slate STCA

SCV CABLE

Code 003739 INOX AISI 316

A

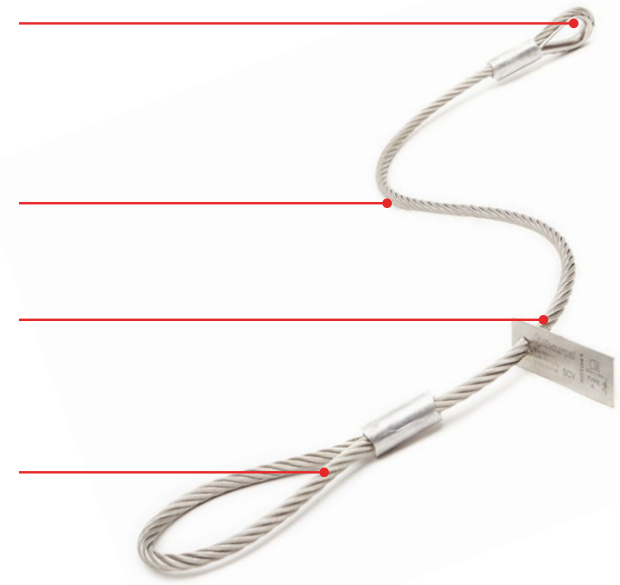
FIXING
using M12 bars and resin bi-component (packaged or cantilevered) on a concrete or wooden structure of suitable dimensions*.

MOUNTING
on roofs with reinforced cement tiles

CERTIFICATE
The anchorage device is designed to resist up to 10 kN

ADVANTAGES
Excellent sealing even on light structures; does not force a fixed position at the outlet

*To be checked by the surveyor



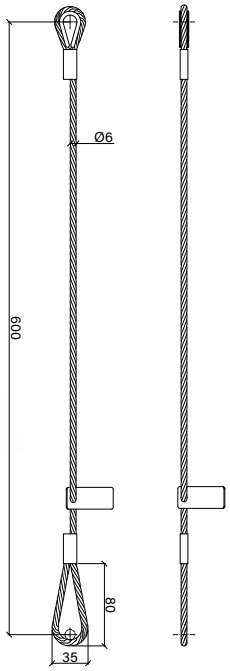
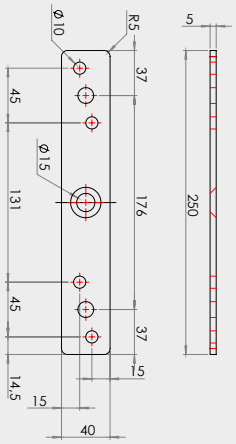


Plate for SCV cable

Distribution plate for SCV cable and for offset STC cables

- Plate that can be used with both the SCV cable (Code 003739) and the STC cable offset (Code 003232)
- Cold-galvanized steel plate
- Can be fixed with: ø12 or ø10 threaded rods (packaged or cantilevered) or wood screws
- An accessory designed to distribute fixings on delicate structures
- Cantilever fixing is not permitted when this accessory is used.

Code 003670



STC accessories for offsetting

STC offset cables provided with bolts

- Double cable fixing system in stainless steel AISI 316 to optimize the positioning of the STC anchor, both as a fixing area and as an exit from the tile
- The cables allow free positioning within 50 cm from the exit point of the anchor
- Direct fixing with 2 M12 rods on the structure
- A qualified technician will need to check the anchorage

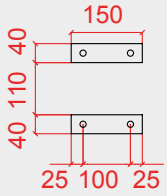
Code 003232 (L=800)

Detail of fixing the STC cable offset to STC device with 2 clamp bolts

Offset plate for STC device

- Product designed to align the anchor structure with the tile outlet, which is essential when this alignment fails or does not match
- Made of AISI 304 stainless steel or S235 hot galvanized steel
- Comprises 2 bolts Ø 12x30 mm with nut and self-locking washer
- For use only with STC, codes 000183 - 001033 - 002525

Code 000074 Stainless steel / Code 002614 Galvanized



We know our products so well because we are the ones to use them.

Mobile anchor devices

Designed to create a safe temporary anchor point in all working conditions.

B

QR CODE

10

INOX AISI 304

NFC

GENERAL CHARACTERISTICS

- Portable anchor devices to guarantee maximum safety in operations where there is no fixed anchorage.
- Lightness of the materials;
- Functionality and speed of use of the product;
- With proper training on the use of the equipment it is possible to work in perfect safety - even without the presence of fixed anchors;
- Allowing you to work safely with the positioning of a few anchors;
- Adaptable for use on walls, doors, windows, sheds, civil and industrial buildings, beams, machinery;
- The devices are certified as anchor devices UNI EN 795:2012 CLASS B or E.

Further information is available about our products on our web site **www.sicurpal.com**

Door bar

- Temporary anchor point for mounting on doors
- May be used by 2 people at the same time.
- Highly adaptable thanks to the ability to adjust from 60 cm to 125 cm
- Installable on doors, windows and skylights
- In aluminium and steel
- Certificate UNI EN 795 Type B
- Break load 13 kN

Code 001554

Wall point

- Temporary anchor point for walls or load bearing slabs
- May be installed on slabs between 60 mm and 360 mm
- Lock with 2 handy ring nuts
- Certificate UNI EN 795 Type B
- Maximum load 25 kN

Code 001556

Beam anchor

- Temporary anchor point for T-shaped metal beams, HEA, IPE.
- It can be installed on structures with variable bases
- For use by one person
- In aluminium and copper
- Conforms to the UNI EN 795 type B standard

Code 001555 - from 70 to 150 mm / Code 001720 - from 150 to 290 mm

Temporary safety lifeline – Provi Line 20 m

- Temporary safety lifeline adjustable from 2 to 20 m, certified for 2 operators.
- Complete with 2 carabiners and 2 slings with bag
- Conforms to the UNI EN 795:2012 type B standard

Code 001207

Removable A1 anchor

- Removable anchor point with press button release usable by 2 people at the same time
- In stainless steel
- Applicable load 10 kN
- Certificate UNI EN 795 Type B

Code 004001

Dead weight - SicurAnchor

- Self-supporting system for protection against falls from above for 1 person
- In retaining work mode, protects up to 2 people
- For roofs with inclines of 5°
- Quick installation
- Removable and reusable
- Product certified UNI EN 795:2012

Code 004460

Anchor slings

- Anchor slings of various lengths
- Complies to regulation EN 566: 2017

Code 000780 L 60 / Code 000781 L 80 / Code 000782 L 120 / Code 000783 L 150

Every day we stand beside the workers working at height to protect their most precious asset: life.

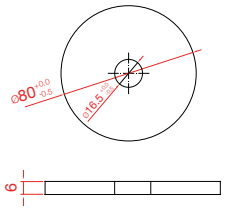
bravo
0,75 t
Tractel
ON
OFF
Setup
F1
F2
Start
Zero

ACCESSORIES MOUNTING

Counter-plate with 1 hole

- Counter-plate in stainless steel AISI 304 with 1 hole Ø 80 thickness 6 mm

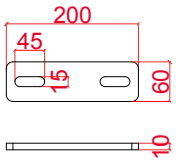
Code 000174



Counter-plate P02

- Plate total length 200 mm, in hot-galvanized steel
- 2 Slots for M12 bar
- Internal minimum spacing 84 mm, external spacing 174 mm

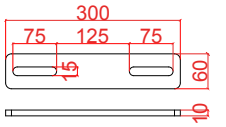
Code 000196 – 200 mm



Counter-plate P03

- Plate total length 300 mm, in hot-galvanized steel
- 2 Slots for M12 bar
- Internal minimum spacing 125 mm, external spacing 275 mm

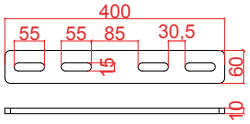
Code 000039 – 300 mm



Counter-plate P04

- Plate total length 400 mm, in hot-galvanized steel
- 4 slots for M12 bar
- Internal minimum spacing 85 mm, external spacing 366 mm

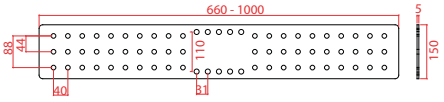
Code 000203 – 400 mm



Plate

- Distribution plate for load on joists
- For ST8 and STC Vita installations
- Hot-galvanized steel

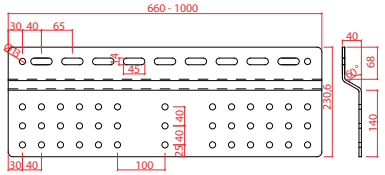
Code 000211 – 66 cm **Code 000212 – 100 cm**



Pair of plates

- Pair of plates for distributing loads on joists
- Hot-galvanized steel

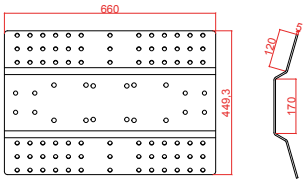
Code 000224 – 66 cm **Code 000220 – 100 cm**



Plate

- Pair of plates for distributing loads on joists for ridge installations
- Hot-galvanized steel

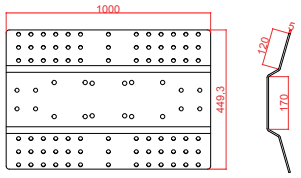
Code 000213 – 66 cm



Plate

- Plate for distributing loads on joists for ridge installations
- Hot-galvanized steel

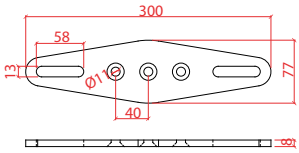
Code 000218 – 100 mm



Pac 1

- Distribution plate for anchoring AL, AX4, AX6, Infinity and Double Infinity
- In stainless steel AISI 304, thickness 10 mm
- Suitable for distributing loads on masonry structures with horizontal fixings

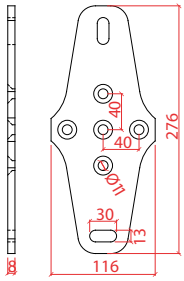
Code 000260



Pac 2

- Distribution plate for anchoring AL, AX4, AX6, Infinity and Double Infinity
- In stainless steel AISI 304
- Suitable for distributing loads on masonry structures with horizontal fixings

Code 000238



Wooden wedge

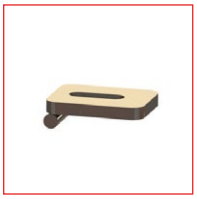
- Wooden wedge L 40 cm with 4 holes for thermic pole and PZL
- Needed to recreate a flat surface on a pointed beam
- For use with PBS, cutting the product to size
- Supplied in pairs

Code 002137

Further information is available about our products on our web site **www.sicurpal.com**

Clamp for HEA / IPE

- Modular product consisting of a locking kit and a support plate
- May also be used on special structures by providing only the locking kit



Tilting galvanized insert

- Insert to counter-position the anchors without the need to access from below
- Reusable steel support cable for additional fixings
- Threaded rod and waterproofing systems not included with the article
- Solution that may be used for both direct and cantilever fixings on Ø 20 mm structures

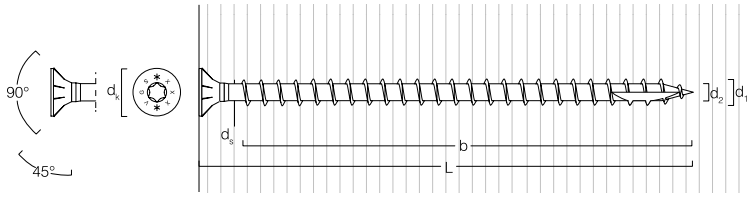
Code 003981

We know our products well, because we make them.

Code	Kit	Contents	Use
Code 000885	Kit B1	1 x Self-locking nut M12 1 x Washer M12x36	Infinity eyebolt, etc...
Code 000886	Kit B2	4 x Self-locking nut M12 8 x Washer Ø 12x36 M12x36 4 x Nut M12	LVB
Code 000887	Kit B3	8 x Self-locking nut M12 8 x Washer Ø 12x36 M12x36	PG, PB, PZL, Sicurslim, etc.
Code 000888	Kit B4	2 x Self-locking nut M12 2 x Washer M12x36	Double Infinity, ST8, PZFS, Counter-plates, BC 10/ BC 20, etc...
Code 000889	Kit B5	2 x Self-locking nut M12 4 x Washer M12x36 2 x Nut M12	STC, STR
Code 000890	Kit B6	4 x Self-locking nut M12 4 x Washer M12x36	PZP, PZC, PBS, SZP, etc.
Code 000892	Kit B8	4 x Self-locking nut M16 4 x Washer M16	BF, PN, PBC, etc.
Code 000893	Kit B9	2 x Self-locking nut M12 4 x Washer M12x36 2 x Bolt M12x40	Distribution plates for loads on joists
Code 000894	Kit B10	12 x Long rivets with seals	PLAM, etc...
Code 000895	Kit B11	18 x Short rivets with seals	LAM INOX, LAM VERN, etc...
Code 000898	Kit B14	1 x Bolt TE M12x25 1 x Self-locking nut M12 1 x Washer M12x36	fixing of the eyebolt to the PLAM plate
Code 001025	Kit B15	4 x Self-locking nut M10 4 x Washer M10	Distribution plates
Code 001610	Kit B16	24 x Long rivets with seals	Sicurlam
Code 002035	Kit B17	2 x Self-locking nut M10 4 x Washer M10x30 2 x Nut M10	STR, STC, LVB, etc.
Code 003014	Kit B18	1 x Bolt TE M16x35	Sicurgraf
Code 003015	Kit B19	1 x Self-locking nut M12 1 x Bolt TE M12x35 1 x Washer M12x36	Sicurgraf
Code 004946	Kit B22	1 x Washer M10 1 x Screw TE M10x25 AISI 304	Alurail L, for fixing with brackets
Code 004947	Kit B23	1 x Washer M10 1 x Screw TE M10x25 AISI 316	Alurail L, for fixing with plate code 004930
Code 000081	Kit B25	1 x Bolt TS 10X35 1 x Washer M10 1 x Self-locking nut M10	Infinity with distribution, AL, AX4 and AX6 with PAC1 and PAC2 plates

Further information is available about our products on our web site **www.sicurpal.com**

Screw with countersunk head



Code	Ø (ds)	L (mm)	b	Hex key size (mm)	dk	d2	Pre-drilled
000010	9	160	150	TX 40	16	5.9	5
000245	9	200	190	TX 40	16	5.9	5
000247	9	280	270	TX 40	16	5.9	5
000246	9	320	310	TX 40	16	5.9	5
000248	9	360	350	TX 40	16	5.9	5
000249	11	100	90	TX 50	19.3	6.6	6*

* Pre-drilled hole required for screws ≥ Ø 11x400 mm. A pre-drilled hole is recommended for a lower load on the beam especially when the distances from the edge are reduced.

Threaded rod

- Threaded rod 1 m in stainless steel A2-70
- Treated with an ecological grease.

Code 000275 - M10 / Code 000014 - M12 / Code 000278 - M16

Threaded rod

- Threaded rod diam. 12 x 18 cm in stainless steel A2-70
- Supplied with self-locking bolt and normal washer
- Rod cut at 45° for best insertion into the resin
- Length of hook 4 cm

Code 000035

Hooked rod

- Threaded rod diam. 12 x 18 cm in stainless steel A2-70
- Supplied with self-locking bolt and normal washer with fold for sinking into reinforced concrete
- Length of hook 4 cm

Code 000092

Fixing resin

- High quality resin for use with all materials (reinforced concrete, bricks), easy to apply
- Soft cartridge for easy application and to minimise wastage
- For use in all seasons.

Code 002365

Chemical Anchors

Epoxy resin

- Bi-component resin for reinforced concrete and wood for mild temperatures (T > 10°)

Code 000021

Nordic epoxy resin

- Economic bi-component resin for the winter months (T < 10°) for reinforced concrete and wood

Code 002124

Anchor screen

- Screen for fixing on sheet metal with Hilti chemical anchor. Length 1 m, Ø 22 mm.

Code 000272 – 10 m
Code 000013 – 12 m

Anchor adhesive screen tubes

- Anchor adhesive screen tubes for fixing sheet metal with Hilti chemical anchor. Length 8 cm Ø 22 mm.

Code 000251 – L 85 mm
Code 000012 – L 50 mm

We know our products so well, because we are the ones to test them.

Waterproofing

Black washer

› Washer in rubber, ext. Ø 60 mm, hole 10 mm, thickness 3 mm, for tilting dowels

Code 003088

Black waterproof membrane

› Black waterproof membrane for the stem of PBS/ST8

Code 002547

Stainless steel gutter

› Gutter Ø 920 mm with seals and screws

Code 000018

Flashing 40

› Lead flashing 50x50 cm with Ø 40 hole

Code 000279

Flashing 90

› Lead flashing 50x50 cm with Ø 90 hole

Code 000017

Flashband h 50

› Flashband grafite width 5 cm in rolls of 10 m

Code 003087

Bituminous membrane

› Bituminous membrane 4 mm thickness

Code 001760

Polyurethane foam

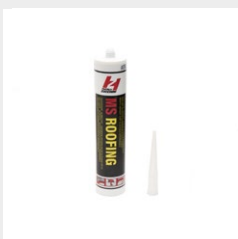
› Hilti foam with reusable nozzle to seal, fill and isolate spaces and cracks

Code 000285

Black polymeric sealant

› Sealant with elastic properties, resistant to UV and damp

Code 003085



Grey polymeric sealant

› Single component neutral sealant, fast curing

Code 003086

We know our products well, because we make them.

Tension and safety lifeline installation

Cable tension ratchet

- Max pull load 150 kg
- Weight reduced to only 2.5 kg
- Small size carabiners for insertion inside the tensioning clamp.

Code 000420

Tension clamp

- Tension clamp for rope
- Use with ropes of Ø 8 mm e Ø 10 mm
- Max payload 300 kg.

Code 000044

Ratchet 1500

- Product with the lowest weight / pull load ratio on the market
- Possibility to apply force on both sides of the chain.

Code 001285

Manual load meter

- Easy to use device for detecting the load applied on the line
- Load meter from 30 to 1400 kg.

Code 004034

Tension clamp SicurAir

- Clamp for tensioning the cables, especially ropes for the SicurAir device
- Use with ropes of Ø 8 mm e Ø 10 mm
- Max load 2000 kg.

Code 004035

Fixing and installing devices

Portable vacuum cleaner

- Portable battery powered vacuum cleaner (M18)
- Suction and blower function
- Supplied with adapter for cleaning fixing holes

Code 001597

Hilti Dispenser HDM 500

- Manual dispenser
- Quick and easy cartridge insertion
- Well balanced for greater manoeuvrability
- Usable for the injection of all Hilti HIT resins

Code 000371

Dispenser

- Dispenser for 400 ml round cartridges
- Usable for all resins that use bi-component cartridges

Code 000023

Guides and various equipment

Alurail S drilling jig

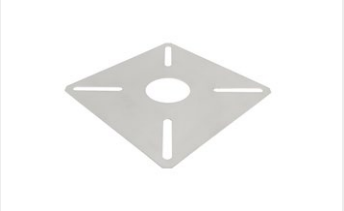
- Device necessary to drill the through holes for the joint jaw
- In tempered stainless steel

Code 001673

Alurail L drilling jig

- Device necessary to create the holes for the junction jaw.
- In stainless steel
- Supplied with 2 drill bits Ø 10.25

Code 003994



Jig 300x300

- Jig for drilling plates and poles 300 x 300 with slots.
- Stainless steel sheet metal AISI 304 2 mm thick

Code 003975

Jig 180x180

- Jig for drilling plates and poles 180 x 180 with slots.
- Stainless steel sheet metal AISI 304 2 mm thick

Code 003977

Jig 400x160

- Jig for drilling plates and poles 400 x 160 with 8 holes.
- Stainless steel sheet metal AISI 304 2 mm thick

Code 003976

Kit A tests

Contents:

- Kit containing measuring instruments and devices to carry out cable verification tests of the system
- Software designed by Sicurpal Computer Technicians to prevent editing the test reports
- Guarantee of traceability and quality of the report
- Guaranteed calibration even with a replacement smartphone
- Load cells compatible with version 1.0

Code 004770

Focus kit

Case

Customised Sicurpal test case

Code 005459

Internal sponge

Customised Sicurpal sponge to contain test material

Code 005460

SBT-Sicurpal Bluetooth Transponder

Electronic device to transfer analogue signal to the app

Code 004030

Strain-gauge A

Extractable strain-gauge, load 3 tonnes

Code 004988

Strain-gauge B

Extractable strain-gauge, load 2.5 tonnes

Code 004989

Ratchet 1500

Load application on both sides of the chain

Code 001285

Extraction nut

Extraction nut for cell test kit A

Code 003253

Extraction bar

TPN Rod with eyebolt 24 cm, diam. 16

Code 003254

Connecting lead

Modem connection lead – strain gauge, 1.65 m in length

Code 004991

USB Cable

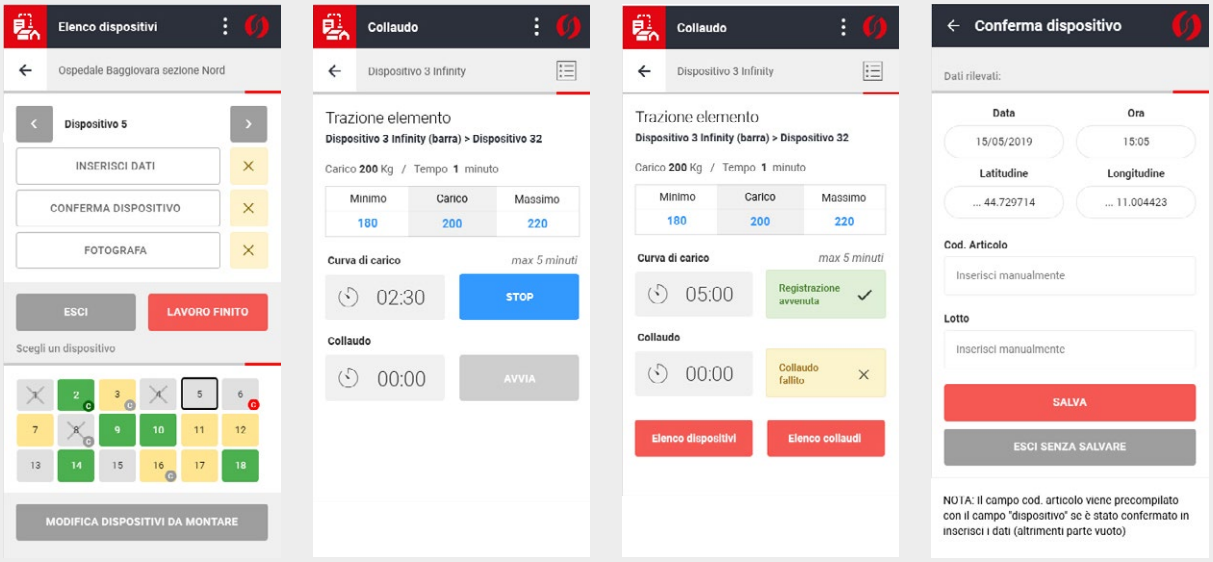
USB 2.0 type A male/ mini B cable length 0.8 m

Code 004033

Test kit app

Test kit app – downloadable from PlayStore or AppleStore

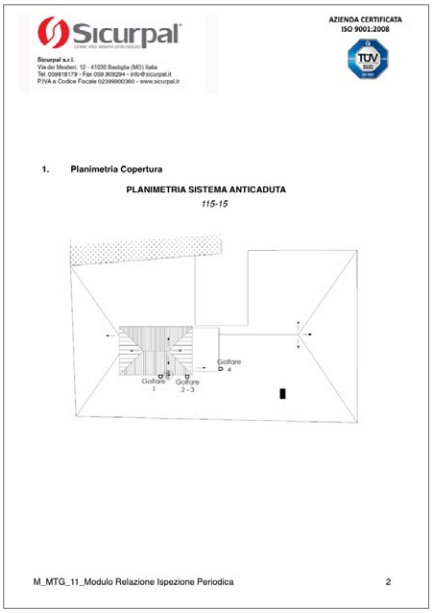
Test kit app



Easy and quick to use, to manage inspections in the best way

- App is free and constantly updated
- Data stored in the cloud (first GB free)
- Unique tool for managing site tests, photos and information
- History management
- Automatic creation of reports and documentation on customizable letterhead.

SAMPLE CORRECT REPORT ASSEMBLY AND INSPECTION



STAINLESS STEEL QUADPOD

Code 000662

Quadpod in aluminium

› Aluminium quadpod stabiliser for testing

Code 001213

MANUAL HYDRAULIC CRIMPERS

Code 001499

Mould for the crimper

› Pair of moulds for crimper

Code 002174

Crimper in carrying case

› The hydraulic crimper is supplied in a carry case with a pair of moulds

HYDRAULIC BATTERY CRIMPING MACHINE

Code 001498

M SHAPED ROTATING HEAD
For a uniform and precise pressing

INTERCHANGEABLE MATRICES
with wear indicator and built-in marking system

SUPPORT MATRIX
removable, with double release system for maximum safety

PERSONALISED CASE
for transporting the crimping machine and batteries

BUTTON TO OPEN MANUALLY
Useful for checks or to replace batteries

SUPPORT RINGS
of the crimping tool with shoulder sling included

LED
for quick and easy identification of the state of the machine and for approval on the crimp carried out

BATTERY
Lithium 18 v - 3 Ah
with Milwalkee connector

Mould for the crimper

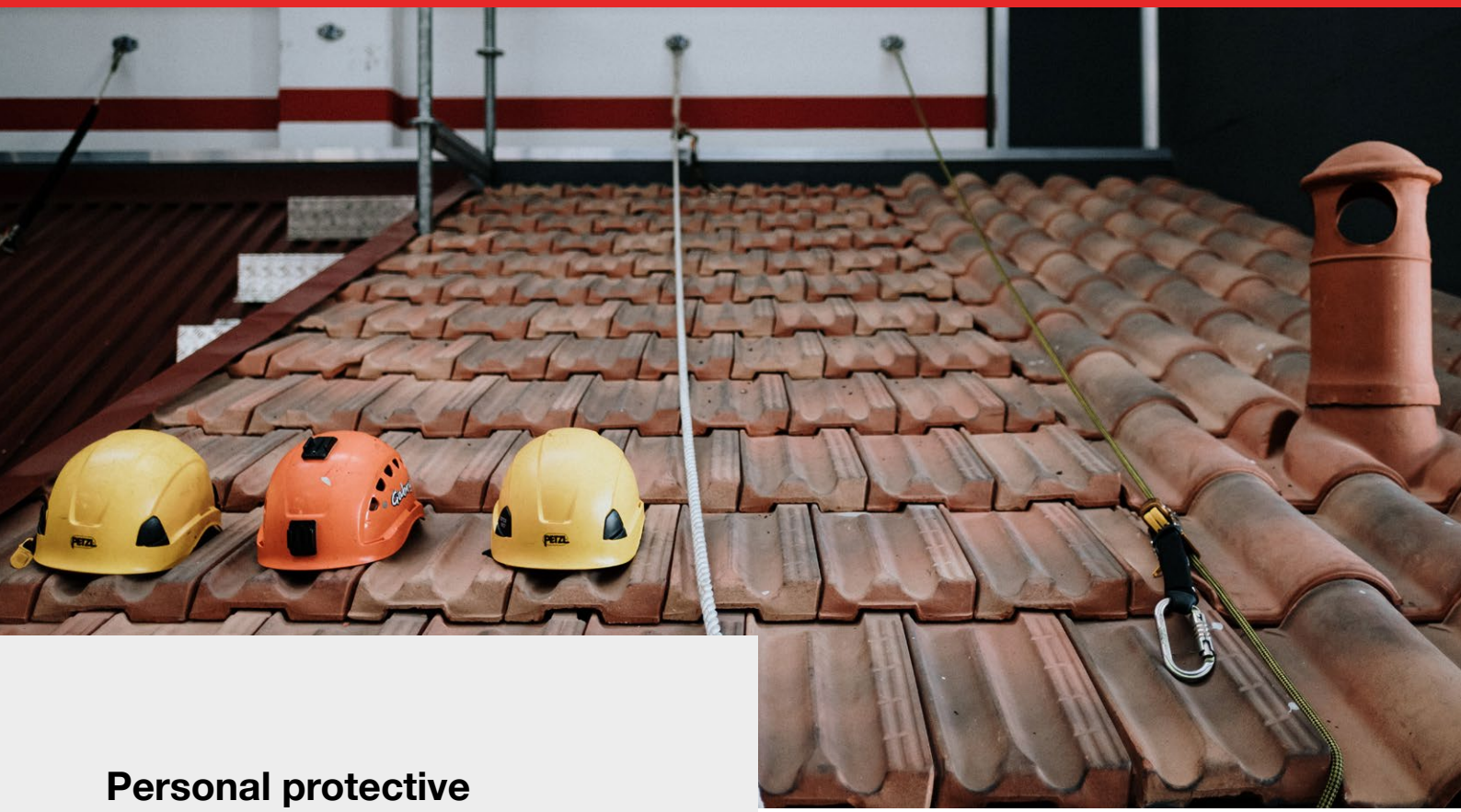
› Pair of moulds for crimper

Code 002174

PETZL

We know our products so well, because we use them.

PPE



Personal protective equipment

Sicurpal has a wide range of fall protection devices (Category III PPE) designed to offer reliable solutions in the sectors in which we operate (construction, chemical industry, processing industry, mechanical industry).

Our expert consultant technicians are available to advise on the most suitable product for the customer's needs, our products may be tested or supplied for trial periods to avoid buying the wrong product.

To offer the best possible proposal, various manufacturers have been selected to cover all price ranges and quality.

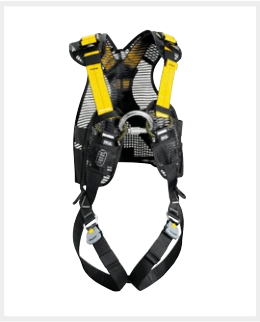
The most common products are available from stock; for others, delivery is usually made in 72 h.

Main brands:

CAMP Safety · PETZL · MARK Save A Life · KRATOS SAFETY · MSA

Regulations and Certifications

- REGULATION (EU) 2016/425 - on personal protective equipment (repealing Directive 89/686/EEC)
- UNI EN 341:2011 – Descent devices
- UNI EN 353-1:2018 – Vertical lines with rigid cable
- UNI EN 353-2:2003 – Vertical lines with flexible cable
- UNI EN 354:2010 – Lanyards
- UNI EN 355:2003 – Absorbers
- UNI EN 358:2019 – Positioning belts
- UNI EN 360:2003 – Reels
- UNI EN 361:2003 – Harnesses
- UNI EN 362:2005 – Connectors (carabiners)
- UNI EN 363:2019 – Stop systems
- UNI EN 365:2005 – Marking / labeling



Harnesses

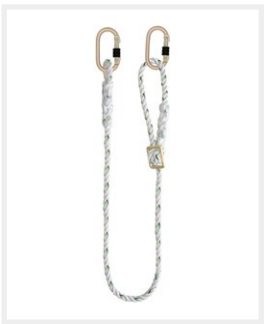
- Sternal or dorsal anchors
- Rings on the lumbar belt to work in positioning and restraint and in a variety of work environments
- Different sizes and models
- Compliant with current regulations

Carabiners

- Carabiners of various types to cater to the needs of our clients
- Available in stainless steel, aluminium, in medium or large sizes
- Compliant with current regulations

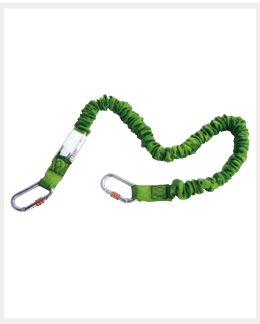
Fixed lanyards

- Retaining lanyards made of semi-static rope and bound ends
- Compatible with energy absorbers and carabiners
- Conforms to EN 354:2010



Adjustable lanyards

- Adjustable lanyards for positioning
- Various types of descenders available
- Conforms to EN 358:2019

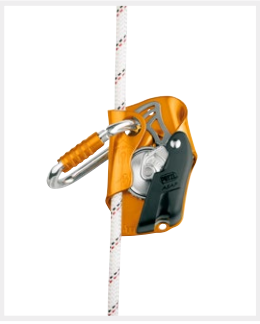


Anti-fall lanyards

- Pull-down extractable safety lanyards with energy absorber
- Supplied complete with 1.5 and 2 m carabiners
- Conforms to EN 355:2003

Reels

- Retractable reels in galvanized steel cable, stainless steel or nylon webbing
- Measurements from 2 to 30 m
- Conforms to EN 360:2003 and ATEX certified

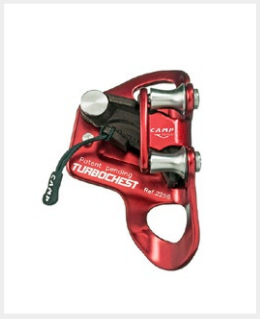


Guided fall arrest

- Anti-fall device with lever and rotary locking devices
- Models available with energy absorbers

Descenders

- Self-braking descenders
- Different types for different customer requirements



Handles and blockers

- Left and right handles
- Chest ascender
- Foot blockers

Crash helmets

- Comfortable helmets for work at height and rescue
- Conforms to EN 397:2013 and EN 12492:2012

Lights

- ATEX certification
- Complete range of lamps that can be used for both professional and sports use

Ropes

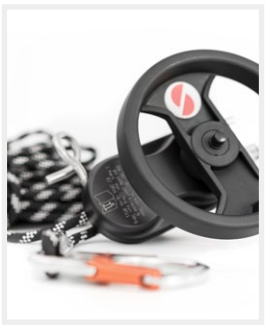
- Ropes available in various materials and lengths to meet most varied safety requirements
- Static, semi-static and dynamic ropes

Slings

- Anchor slings of various lengths, from L 60 to L 150
- Conforms to 566:2007
- Different colours for easy id.
- Available anchors in steel or anti-cut rope

Bags and accessories

- High resistance bag, available in various sizes and storage capacity
- In PVC
- Body and bottom assembly completely welded for greater strength



Descenders for recovery

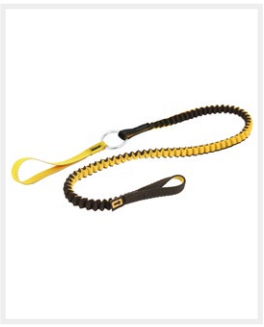
- Self-braking or strapping descenders
- Designed for recovery in various types of work-places

Pulleys

- High performance sliding pulleys
- Micro pulleys also available
- Lock may be integrated into the pulley

Various accessories

- Products suitable for protecting a rope from rubbing zones in flexible PVC or in steel mesh

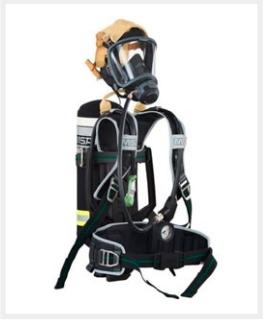


Block materials

- Full range of cables for attachment to the body of the tools
- Non-elastic cables with hooks on the wrist and harness
- Mini reels with nylon and steel cable for harness hooking

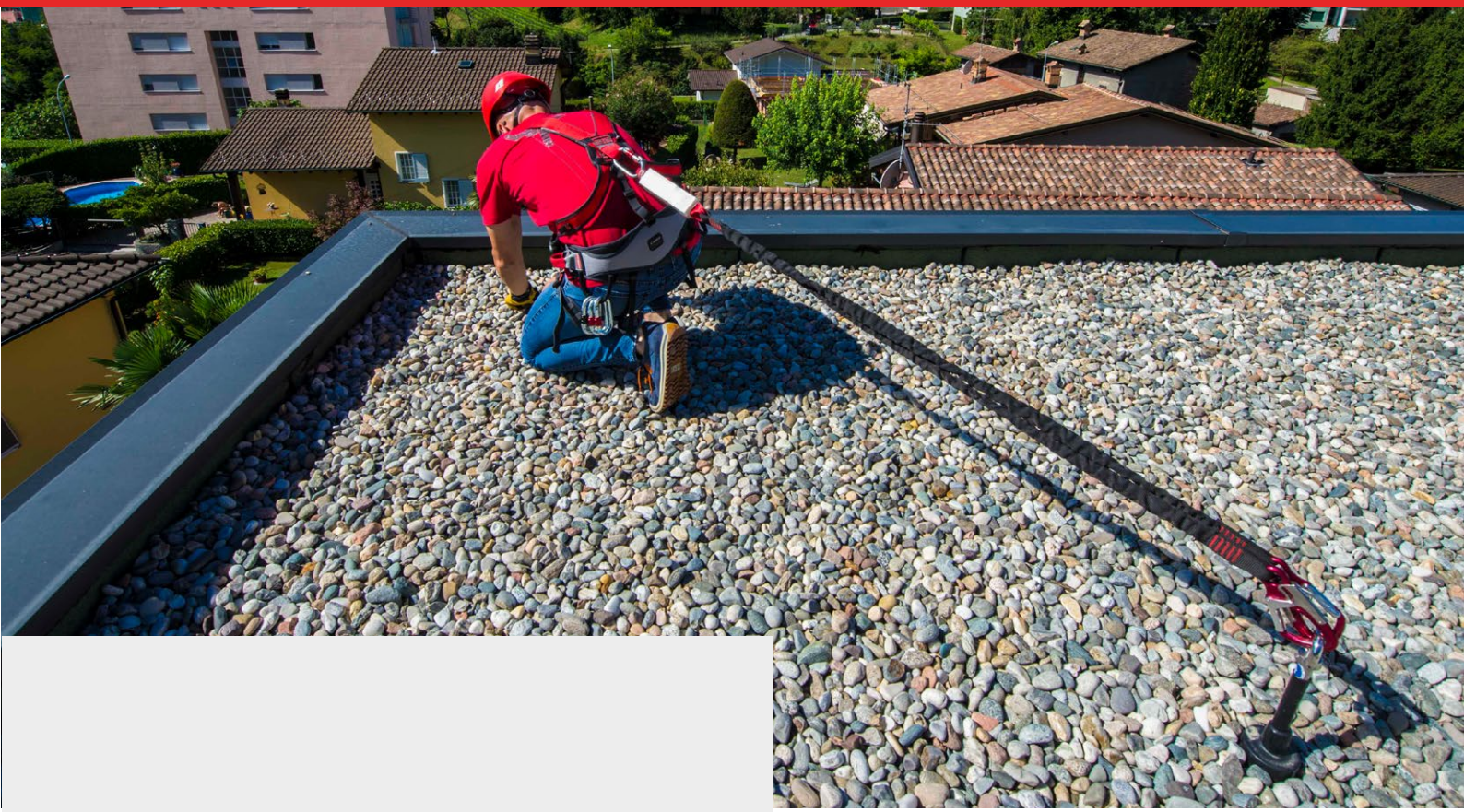
Rescue equipment

- Kit for emergency descent of workers
- Kit for rescue and recovery of people who have fallen below
- Stretchers and harnesses for animals and people without harnesses



Breathing apparatus

- Range of breathing apparatus, cylinders and dispensers for all work requirements in confined spaces or subject to environmental pollution



PPE review

Sicurpal has in-house staff trained for the testing of anti-fall devices (PPE). As required by current legislation, before each use the operator must carry out a visual inspection of the fabric and metal parts, to assess any wear or oxidation.

The devices must then be periodically checked by trained personnel, in order to guarantee the safety for the user and a longer lifespan of the device itself.

In particular, professional verification is recommended in case of intensive use of PPE and/or in corrosive environment conditions (3-6 months), always in the event of a fall, and in general after 12 months of normal use.

Sicurpal staff will carry out checks on the general status of the PPE, then check the status of each individual component and the operation of the device as a whole; at the end, a completed inspection check list will be provided filled out in its entirety with the usage notes.

Legislation

- REGULATION (EU) 2016/425 - on personal protective equipment (repealing Directive 89/686/EEC)
- EN 365:2004

Services

- Visual inspections
- Functionality test
- PPE cleaning
- Digitization of inspection reports
- Periodic inspections with appropriate technical equipment

GLOSSARY

Type A anchor device (UNI EN 795:2012, UNI 11578:2015), with indication of the maximum number of users enabled by standard for simultaneous use of the device.

Removable type B anchor device (UNI EN 795:2012, UNI 11578:2015), with indication of the maximum number of users enabled by standard for simultaneous use of the device.

Flexible type C anchor device (lifeline) (UNI EN 795:2012, CEN / TS 16415:2013, UNI 11578:2015), with indication of the maximum number of users enabled by standard for simultaneous use of the device.

Rigid type D anchor device (rail) (UNI EN 795:2012, CEN / TS 16415:2013, UNI 11578:2015) with indication of the maximum number of users enabled by standard for simultaneous use of the device.

Type E anchor device (dead weight) (UNI EN 795:2012, CEN / TS 16415:2013, UNI 11578:2015), with indication of the maximum number of users enabled by standard for simultaneous use of the device.

Made in Italy

Guarantee: Product warranty coverage over years.

AISI 304 stainless steel: Product made of stainless steel

AISI 316 stainless steel: Product made of stainless steel

Zn: Product made of S235 hot-dip galvanizing with anti-corrosion treatment on the material (UNI EN ISO 14713-1:2017),

Al: Product made of aluminium.

QR Code: additional content available by capturing the QR symbol on your smartphone device.

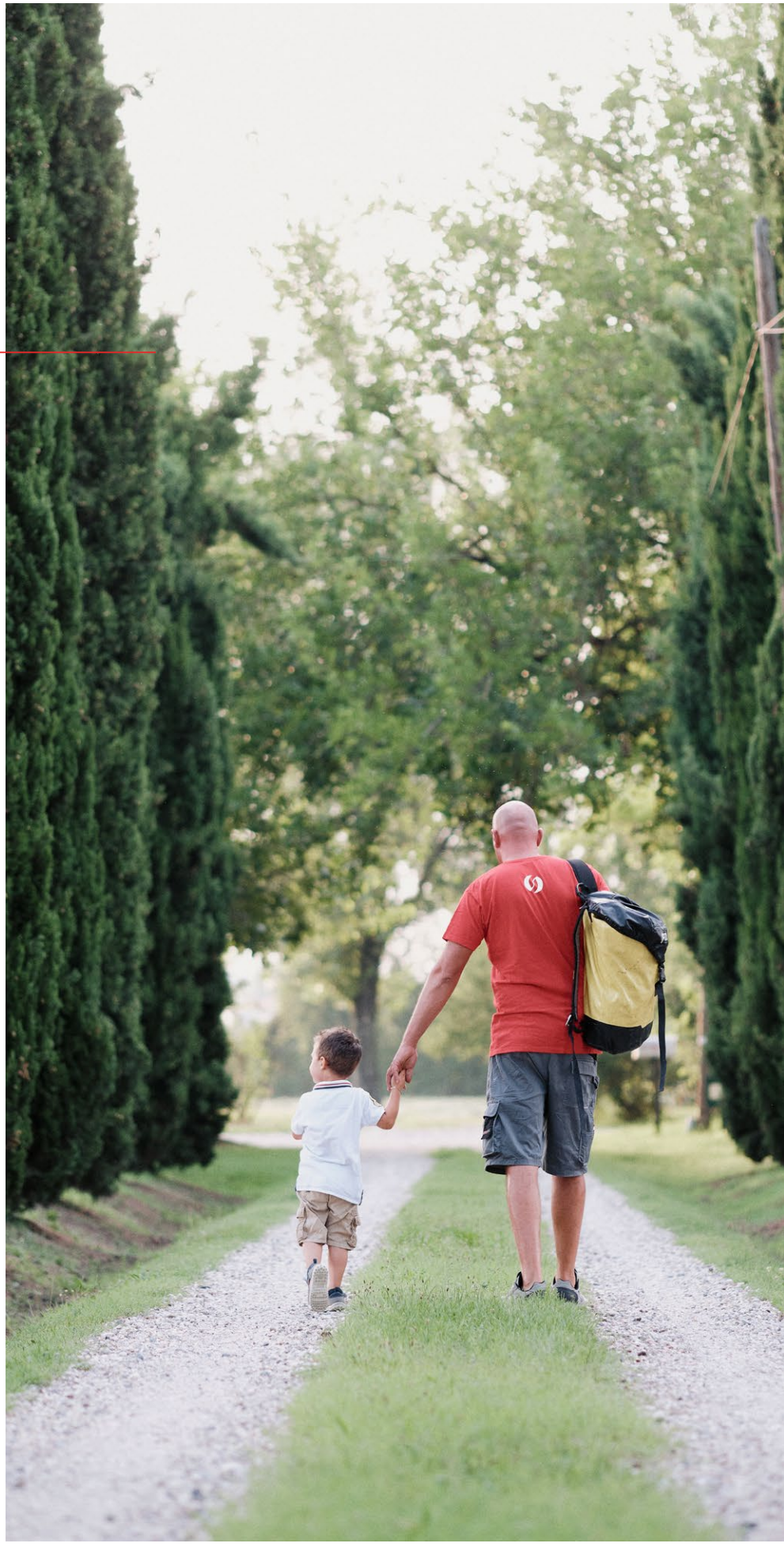
NFC: Technology with which our devices are equipped.

BIM: BIM drawings of Sicurpal lifelines can be found at www.sicurpal.com.

CE: Products comply with the regulations in force within the European Community where applicable.

Search for excellence,
constant development,
consolidated
experience:
all this is Sicurpal.

Every day we stand beside the workers working at height to protect their most precious asset: life.



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