

**safe in**<sup>®</sup>

for a **SAFE** Industry

# RAILWAY CATALOGUE

- THOUSANDS OF ITEMS TO CHOOSE FROM
- TECHNICAL REGULATORY SUPPORT
- RELIABILITY AND EXPERIENCE
- CUSTOM SOLUTIONS AND SIGNS





# WELCOME TO THE WORLD OF

## 2019: RAILWAY CATALOGUE, THIRD EDITION

The strong collaboration with all of you, combined with the desire to improve ourselves, allows us to satisfy your expectations and represents one of our most important challenges. With Your support, attention and proven interest, our range of products grows year by year, with more and more functional articles, designed to fit the needs in safety and work protection business. Aware that "service" has great importance for you, we have dedicated a large part of our energy to guarantee you maximum efficiency in formulating offers and care in shipments. Thanks to a broad choice of products, production efficiency and our huge warehouses, we can offer you to receive our products in a short time, without reducing the quality standards that have distinguished our Company for more than 50 years.



We also have the pleasure to introduce the new Catalog 55, with over 500 pages and more than 20,000 items, in which we include all the products of **safe.in**, the new brand of Cartelli Segnalatori, created with the specific purpose of meeting the needs of the market and make always qualified choices for the safety of all workers.



  
Cesare Lucca  
CEO





# SAFETY

**60**  
**PROFESSIONALS**  
AT YOUR  
SERVICE!





# 10 GOOD REASONS

## PRODUCTION: VARIETY OF PRODUCTS, FLEXIBILITY AND COMPETENCE

A **wide range of standard signs** and symbols to choose from. 10,000 references always available in our warehouse. The production department, with a production capacity of over 13,000 signs per day, is an example of efficiency and great attention to product quality. We manufacture **customized signs** in different sizes and materials to fit all your needs. Material features and quotation request form on pages 20 - 23.

## THE CATALOGUE: THE WIDEST RANGE OF SAFETY PRODUCTS

**20,000 items to choose from.** A constantly updated catalog with products specifically selected among the best brands in the sector by a team of experts. Extremely accurate and reliable technical-regulatory descriptions. A valid work tool that help you every day in choosing the most suitable solutions in any various work situation.

## CUSTOM-DESIGNED SOLUTIONS: PRODUCT SOURCING SERVICE

If you can not find the product you are looking for in the catalog, **our office will find it for you!** A constant support center allows you to save time and find the best product at the right price. An important "network" established through the years with the best safety experts worldwide.

## COURTESY AND COMPETENCE

Our business consultants are always ready to listen to your needs and offer the best solutions. **A team of specialists** at your service to help you with your work and provide commercial information, solutions and assistance.

## WIDE STOCK AVAILABILITY

A huge warehouse that grants quick dispatch of your orders. 8,000 m<sup>2</sup> covered, 3,400 m<sup>2</sup> outdoor, divided between production area and warehouse to manage the 20,000 items in the catalogue. **An effective provisioning system** and efficient logistics for a punctual and fast service.



# TO WORK WITH US

## THE WEBSITE: SIMPLE AND IMMEDIATE

All the variety range of Cartelli Segnalatori with a click! A constantly updated website, full of contents and information. Detailed technical data sheets. **Easy on-line ordering.** Order status check and verification of availability. A valid support always at your reach.

## TECHNICAL LEGISLATION ADVICE

A competent and reliable service assistance for all our products. A center of **information and support** that answers daily, exhaustively and timely to the questions of thousands of customers. An active participation to the regulatory activity as member of UNI, ISO Working Group and Assosistema Safety Association.

## CONFORMITY AND SERVICES

We produce signs and labels in full compliance with relative standards and we have a deep knowledge about the business they belong to. In a view of customer satisfaction, we provide support in the implementation of projects concerning the classification of dangerous substances (**CLP - Classification, Labeling and Packaging**) and in re-elaborating planimetries according to **UNI ISO 23601** standard.

## CERTIFICATIONS AND QUALITY

Cartelli Segnalatori has always been focused in meeting customers needs and expectations, in accordance with **ISO 9001 norm**. Cartelli Segnalatori produces signs according to the highest quality standards: processes include T6 control plans and accelerated aging tests. At these is added **CE** certification of product for vertical road signs.

## THE TRAINING

A training center in our headquarters organizes professional refresher courses on all topics and catalogue products. Training is aimed at sector specialists and focused on fire prevention and company safety, staff training, Decree 81/2008 CL, fire-fighting design, plants and extinguishers, safety signs, compartmentation, evacuation, etc. For further information on the courses: **[www.compensiaformazione.it](http://www.compensiaformazione.it)**







# THE WISE FOR YOUR



MODULAR SYSTEMS  
FOR AREAS  
DELIMITATION

STEEL BARRIER  
FOR OUTDOOR



PAINT  
MARKING  
SYSTEMS



ADHESIVE  
HORIZONTAL  
SIGNAGE



ANTISLIP  
PRODUCTS





# CHOICE SAFETY

safe in® is a brand that links manufacturers, distributors and end-users through implementation of high quality products, designed for workers' health.

ABSORBENT  
PRODUCTS FOR  
ACCIDENTAL SPILL



WORKWEAR

SAFETY  
BUMPERS





# 2019 NEWS

## SELECTED PRODUCTS THAT WILL ALLOW YOU TO MANAGE THE SERVICE MORE AND MORE EFFICIENTLY:

- > Temporary interrupted line signal, with high visibility (thanks to the high quality of the reflective materials), anchored to the rail and positionable at the center of the track
- > Innovative solutions, designed for identification of electrical traction zones, will allow replacing (where total renewal works are not possible) outdated, worn and not very visible devices with modern and updated warning systems, according to RFI DMA IM TE SP IFS 032 Specification
- > A new concept of signs and fixing systems, designed for modern aluminum clips, that will facilitate the installation of electric traction signals
- > Luminous devices for ordinary (temporary and long term) maintenance interventions and emergency devices for poor visibility, fog or total lack of light (in tunnels or outdoor)
- > A wide range of signs for video surveillance areas, in compliance with the GDPR (UE) 2016/79, according to specifications and European regulations about personal data protection



## CONTACTS

### SALES OFFICE

+39.02.903990.1  
+39.02.903990.80  
safein@cartelli.it

### TECHNICAL OFFICE

+39.02.903990.12  
+39.02.903990.80  
tec@cartelli.it

### PURCHASING OFFICE

+39.02.903990.07/10  
+39.02.903990.80  
acquisti@cartelli.it

### ADMINISTRATION

+39.02.903990.66/18  
+39.02.903990.25  
coge@cartelli.it

## OFFICE HOURS

Monday to Friday:  
Morning 8.30 - 12.30  
Afternoon 13.30 - 17.30



Your feedback is important!  
For reports, problems  
and suggestions:  
[wecare@cartelli.it](mailto:wecare@cartelli.it)



# CONTENT INDEX

## ELECTRIC TRACTION SIGNAGE

12

Brackets, tapes, straps and collars • Signboards for pantographs and warning signal for not powered area • Identification and warning signboards for level crossing and disconnectors • Signboards for Railway portals and progressive kilometer indication • Warning signboards for isolated overlap and signs for high voltage supports • Operability limit signs for M type E.T. poles • Operability limit signs for LS/LSF type E.T. poles • Operability Limit flags to be installed on the aluminum profiled bar • Warning Flags for electric zones • Double warning flags for electric zones • Flags to be installed on barriers and rope size reducers • Diamonds and lenticular discs for electric zones • Adhesive strips indicating electrical zones • Warning signboards for isolated overlap and pantographs, for aluminum bars

## CONSTRUCTION AREAS AND FITTING-OUT SIGNAGE

29

Signboards for construction areas, supports and installation accessories • Identification signboards for stops and platform ending • Kilometric boards on station houses • Maximum speed indicator boards for railway lines • Maximum speed indicator boards for tunnels • Double-sided kilometric panel for railway lines • Frames for wood or concrete kilometric panels • Kilometric panel for tunnels • Rock falls area signboards, identification and warning boards • Stationing limit crossbar, maneuvering limit stake and track ending disc • Four-sided Signboard, columns kit and various signs kit • Isolators for rails, scotches, lamps and various products • Temporary interruption signal for track center • Slowing down orientation signboards for railway lines and tunnels • Numerical and digits-holder boards for slowing down signals in railway lines and tunnels

## SIGNALLING INSTALLATIONS SIGNAGE

47

Coded zones and speed limit Signals • Protection and departures signboards • Permission and identification signboards • Classification signboards for locations • Protection signboards for level crossings and train-side level crossing • Signboards for level crossing identification and platform classification • Distance-type orientation boards for signals • Reduced distance-type orientation boards for signals in railway lines and tunnels • Prohibition and emergency signs with kilometric progression for power supply lines • Numbering plates manoeuvring box, CDB box and railway switches

## TUNNEL SIGNAGE

57

Torches, torch cases, signs for torches storage and alcoves in tunnels • Photoluminescent signage • Focus strips for alcoves in tunnels

## HIGH SPEED SIGNAGE

61

Signs for not powered area, pantographs and high speed lines • Warning and classification signs for high speed E.T. supports • Identification signs for electrical sections, switches and overhead power supply line • Signs, plates and orientation boards for binding signals • High speed and Kilometric indication signs

## TRAIN STATIONS SIGNAGE

66

Indication signs for rail tracks, routes and services in the station • Orientation signboards for stationary spot • Customized F.S. Group signs for video surveillance • Video surveillance signs • Floor plan holder plates, frames for sheets and notice boards • Floor plans and supports

## SAFETY SIGNAGE

70

Prohibition signs • Mandatory signs • Warning signs • Emergency and fire signs • Photoluminescent signs • Emergency exit signs • Self adhesive labels, dangerous substance signs • Photoluminescent self-adhesive marking system • Private property, waste collection signs and support stand for emergencies

## PERSONAL PROTECTIVE EQUIPMENT - PPE

92

Respiratory and eye protection • Gas detectors, man-down alert systems • Hearing protection • Head and face protection • Body protection: working clothes • High-visibility workwear and technic underwearing clothes • Body, eye and face protection: welding equipment • Welding and woodcutting wearing • Body protection from electrical and chemical risks, knee pads • Body protection: disposable protective clothing and accessories • Foot protection: safety footwear • Tool-holders • Hand protection • Fall arrest equipment

## MISCELLANEOUS

112

Electricity protection • Railway earthing devices and voltage detectors • Safety cutters • Emergency eye-washers and safety showers • Fluor line • First aid cabinets and cases • Emergency eyewash kit, pick-up pincers, burns kit and replacement products • Portable and trolley fire extinguishers, stands and covers • Extinguisher cabinets, hydrants, megaphones and ropes • Fire, welding and isothermal blankets • Explosion-proof flashlights, torches and RALS lighting systems for remote areas • Storage trays for dangerous substances • Absorbent products for accidental spills • Flammable liquid cans and forklift • Wind sleeves and cement bases • Chains, posts and kits • Totem, outdoor visual communication systems • webbing belt posts • Walking and driveway platforms, impact protection • Fencing rolls, traffic cones and accessories • Safety barriers and safekeep ramp • Road signs • Stands for signs, accessories and S. Andrea's Crosses • Hose ramps • Spreaders, shovel and melting ice products • line marking systems • safety marking tapes • adhesive horizontal signage • Horizontal signage and self-standing warning signs • Telescopic and electrically isolated ladders • Impact protectors • Industrial markers • Closets for changing rooms





for a **SAFE** Industry



**as Quality of company system:** For long time Cartelli Segnalatori has been satisfying standards and expectations of customers with its products and services, as required by the 9001:2015 standard - ICIM 0650



**as Quality of products:** Cartelli Segnalatori produces vertical road signs according to **CE** certificate of conformity n. 0474-CPD-0730 RINA Service

Cartelli Segnalatori is one of the very few companies **qualified and approved**, according to technical specification RFI DPR DIT STF IFS TE\_032, to supply signboards, licence plates and new ET signage flags for 3 kV electric traction lines. All products have passed strict tests prescribed by law (among which: accelerated artificial aging and impact tests, wind resistance, thermal cycles and others), all performed in a third-party laboratory







# ASSOSISTEMA

**SAFETY** Produzione, Distribuzione  
e Manutenzione di DPI

## ASSOSISTEMA SAFETY

represents the companies that produce, import, distribute and maintain in a state of efficiency personal and collective safety devices, to protect health and safety of workers in any business. Associated companies are leaders in national and international market. They produce goods and services according to European and national regulation policies, ensuring maximum safety and quality of the products.

# A LIGHT FOR YOUR SAFETY

A SUPPLY CHAIN OF EXCELLENCE FROM PRODUCTION TO DISTRIBUTION OF INDIVIDUAL PROTECTION DEVICES, FROM SERVICES RELATED TO ALL ACTIVITIES MANAGEMENT TO USE AND MAINTENANCE OF PRODUCTS.

SAFETY ASSOSISTEMA'S MISSION IS TO CONSOLIDATE ITS PRESENCE IN EUROPEAN MARKET AND TO COMMUNICATE TO EUROPEAN UNION ITS VISION ABOUT VARIOUS LAW PROPOSALS, PROCEDURES AND STANDARDS OF PPE AND SAFETY IN THE WORKPLACE INDUSTRY.

[www.assosistema.it](http://www.assosistema.it)



# SUPPORT MATERIALS AND TECHNICAL FEATURES

## ALUMINUM



**SUITABLE IN OUTDOOR AND INDOOR ENVIRONMENTS ALSO WITH VERY AGGRESSIVE AND SLIGHTLY CORROSIVE ATMOSPHERE. GOOD RESISTANCE TO SOLVENTS.**

Aluminum sheet with a purity of not less than 99.5%, thickness from 1 to 3 mm, optional reinforcing perimeter box, universal connections welded or riveted to the back. Tolerance:  $\pm 0.25$  mm.

### COATING

Painting for aluminum signs is performed with special polyester powders in the oven, after raw material preparation (degreasing, brushing and phosphating, washing and passivation, drying, primer coat for aluminum).

### CONNECTIONS

All the signboards to be installed on poles are equipped with welded or riveted connections on the back. The signs can be supplied with universal road-type, sliding or FS type connections, with painted aluminum counter-brackets, pins and stainless steel cotter.

## SELF-ADHESIVE PVC



**SUITABLE FOR OUTDOOR AND INDOOR ENVIRONMENTS WITH NORMAL ATMOSPHERE.**

Self-adhesive plastic vinyl film, with good resistance to ageing, atmospheric agents, chemical agents, (acids, bases, alcohol). Silk-screen printing using ultra-violet ray resistant inks.

## RIGID PVC



**SUITABLE IN OUTDOOR AND INDOOR ENVIRONMENTS WITH AGGRESSIVE AND CORROSIVE ATMOSPHERE BUT WITH SMALL TEMPERATURE RANGE.**

Thickness from 1 to 1.5 mm. Sheet of extruded PVC, fixing processed color and treated against atmospheric agents, silk-screen printing with vinyl inks resistant to ultra-violet rays. Excellent dielectric, self-extinguishing features.

## FLAT ALUMINUM



**SUITABLE IN OUTDOOR AND INDOOR ENVIRONMENTS ALSO WITH VERY AGGRESSIVE AND SLIGHTLY CORROSIVE ATMOSPHERE. GOOD RESISTANCE TO SOLVENTS.**

Thickness from 0.5 to 1 mm (indicated at the start of each group of signs). Dimensional tolerances in compliance with the EN 485-4 Standard). EN AW-3105 aluminium alloy sheets (chemical composition in compliance with the EN 573-3 Standard), physical status from H42 to H48 (mechanical features in compliance with the EN 1396 Standard) depending on thickness, painted on the first side using polyurethane film.

### AGING TESTS

As envisioned by the Italian UNI 7543-1 standard point 13, samples representing the signs are subjected to an artificial ageing test, which verifies the duration of the sign surfaces through time.

## REFLECTIVE

CE Marking

**SUITABLE FOR OUTDOOR AND INDOOR ENVIRONMENTS, ALSO WITH AGGRESSIVE ATMOSPHERE.**

Recommended for environments with bad lighting: smooth retroreflective tape, self-adhesive on aluminium support with colors in compliance with the Italian ISO 3864-1 standard.

## CARTLUX® PHOTOLUMINESCENT



**SUITABLE FOR INDOOR ENVIRONMENTS WITH NORMAL ATMOSPHERE.**

## PETG



**SUITABLE IN OUTDOOR AND INDOOR ENVIRONMENT, ALSO WITH AGGRESSIVE AND CORROSIVE AMBIANCE. GOOD RESISTANCE TO WEATHERING**

Thickness 1.5 mm. Transparent certified PETG sheet, treated for weathering, ultraviolet rays treatment, silk-screen printing with solvent and UV inks.

## FILLED NYLON F.V.



**SUITABLE FOR OUTDOOR AND INDOOR ENVIRONMENT WITH A VERY AGGRESSIVE AND CORROSIVE ATMOSPHERE. EXCELLENT RESISTANCE TO TEMPERATURE VARIATION.**

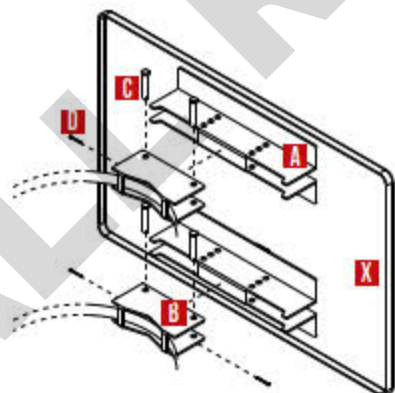
Plastic material PA 6,6 + F.V. (6,6 glass filled nylon) for injection molding technology. The printed clamps have passed all the type tests required by Technical Supply Specification.



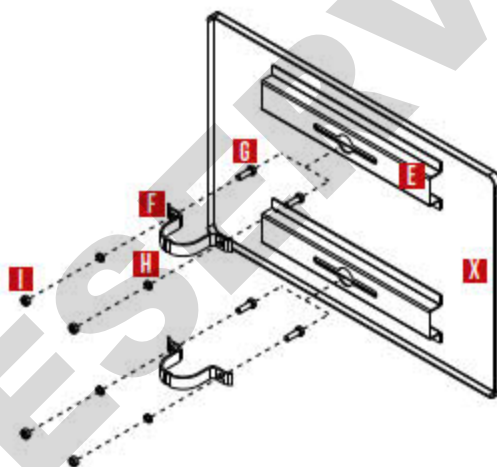


# ATTACHMENT SOLUTIONS

## 01. FS TYPE CONNECTION



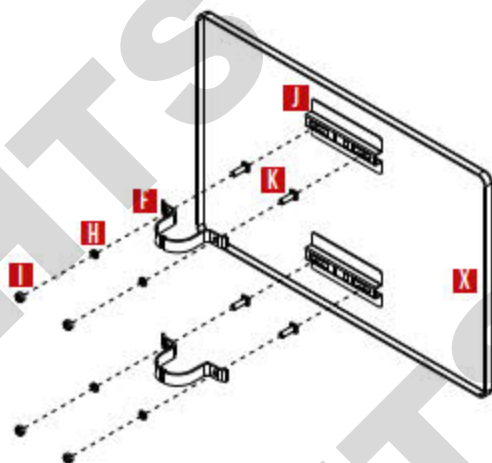
## 02. REINFORCEMENT FS + COLLAR



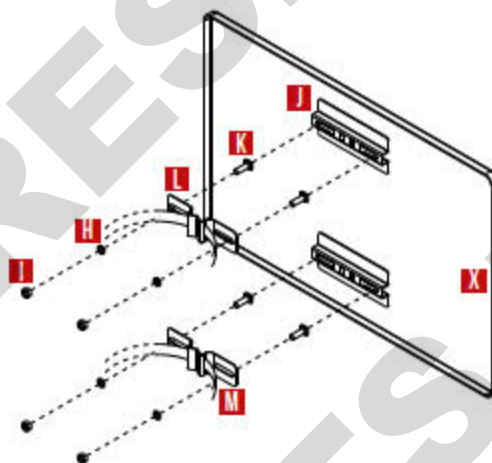
- X Aluminum/metal board
- A Joint FS
- B Counter-bracket FS
- C Steel pin
- D Steel cotter pin
- E Reinforcement FS
- F Collar for circular pole
- G Hexagonal head screw
- H Grower (recommended)
- I Nut
- J Road-type connection
- K Square head screw
- L Bracket for steel strap
- M Steel strap
- N Road-type slider
- O Head-locker

Components **L M F** illustrated on page 12

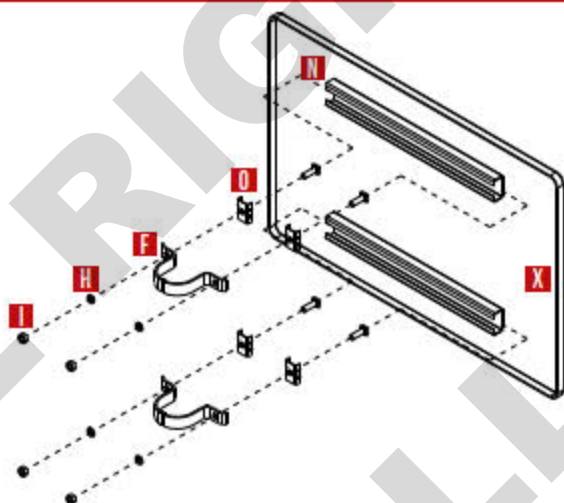
## 03. ROAD-TYPE CONNECTION + COLLAR



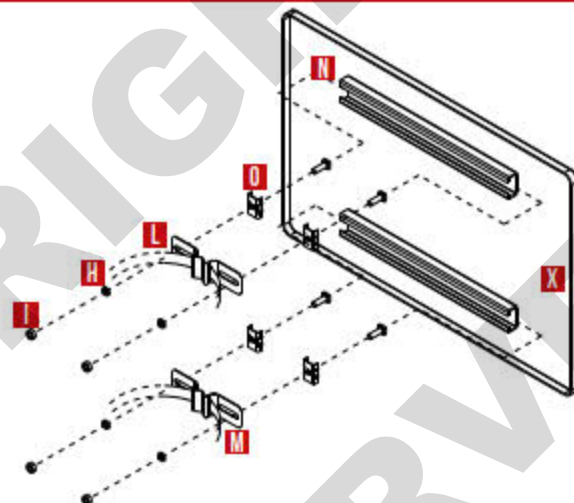
## 04. ROAD-TYPE CONNECTION + BRACKET



## 05. ROAD-TYPE SLIDER + COLLAR



## 06. ROAD-TYPE SLIDER + BRACKET







## BRACKETS, TAPES, STRAPS AND COLLARS

Electric traction signage



### STAINLESS STEEL TAPE, CLAMPS AND TOOL

Sturdy, resistant, easy and quick system to fix signs on different types of supports (M poles, LS poles, trusses). Depending on the size of the signboard, it is possible to choose appropriate tape size and the corresponding clamping clips (in pack of 100 pieces).

1 **FSN...** - stainless steel tape, specify dimensions (see table)

2 **FSNUT** - manual tool to stretch, tighten, cut the tape and shut the clamp

### DIMENSIONS AND CODES OF STEEL TAPES AND BRACKETS

TAPE CODE	DIMENSIONS	BRACKET CODE
<b>FSN038</b>	h 9 mm x lenght 30 m	<b>FSN038G</b>
<b>FSN012</b>	h 13 mm x lenght 30 m	<b>FSN012G</b>
<b>FSN058</b>	h 16 mm x lenght 30 m	<b>FSN058G</b>
<b>FSN034</b>	h 19 mm x lenght 30 m	<b>FSN034G</b>

### SELF-LOCKING STAINLESS STEEL STRAP

Self-locking, with irreversible clamping system, extremely fast and easy to use. The product has an innovative stainless steel ball which allows the clamp to be permanently stopped in target position. Available in different height and length.

3 **FSAU...** - self-locking strap, specify dimensions (see table)

4 **FSAUT** - manual tool to stretch, tighten and cut the strap

### DIMENSIONS AND CODES OF SELF-LOCKING STRAPS

CODE	LENGHT	Ø MAX	WIDTH	PACKAGING (minimum order)
<b>FSAU201</b>	201 mm	50 mm	4,6 mm	100 pieces/multiples
<b>FSAU202</b>	259 mm	69 mm	4,6 mm	100 pieces/multiples
<b>FSAU203</b>	360 mm	102 mm	4,6 mm	100 pieces/multiples
<b>FSAU204</b>	520 mm	152 mm	4,6 mm	100 pieces/multiples
<b>FSAU205</b>	679 mm	203 mm	4,6 mm	100 pieces/multiples
<b>FSAU206</b>	838 mm	254 mm	4,6 mm	100 pieces/multiples
<b>FSAU207</b>	1067 mm	305 mm	4,6 mm	100 pieces/multiples
<b>FSAU208</b>	201 mm	50 mm	7,9 mm	50 pieces/multiples
<b>FSAU209</b>	259 mm	69 mm	7,9 mm	50 pieces/multiples
<b>FSAU2010</b>	360 mm	102 mm	7,9 mm	50 pieces/multiples
<b>FSAU2011</b>	520 mm	152 mm	7,9 mm	50 pieces/multiples
<b>FSAU2012</b>	679 mm	203 mm	7,9 mm	50 pieces/multiples
<b>FSAU2013</b>	838 mm	254 mm	7,9 mm	50 pieces/multiples
<b>FSAU2014</b>	1067 mm	305 mm	7,9 mm	50 pieces/multiples



### 5 MOUNTING BRACKETS

To be anchored on any shape and diameter poles. Made of AISI 304 stainless steel. Installable by stainless steel tapes and staples system, which ensures the necessary mechanical seal capacity. 19.5 mm slots allow to use stainless steel tape up to 19 mm height.

**CLM14219** - mounting bracket, lenght 142 mm, width 38 mm



### COLLARS

Galvanized iron (4 mm thick) or stainless steel collar, for circular poles Ø 48, 60 or 90 mm.

6 **CLS48** - galvanized iron collar for Ø 48 mm poles with groove

**CLS60** - galvanized iron collar for Ø 60 mm poles with groove

**CLX60** - stainless steel collar for Ø 60 mm poles with groove

7 **CLF90** - galvanized iron collar for Ø 90 mm poles without groove





## DIMENSIONS OF SIGNS FOR RAISING AND LOWERING PANTOGRAPHS (MM)

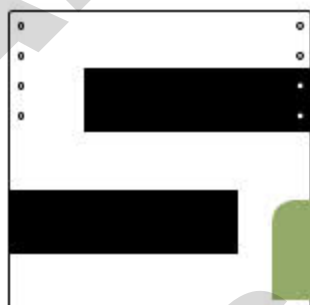
CODE	RFI 766 / 030	RFI 766 / 031
LENGHT X WIDTH	400 x 400	400 x 400
ALUMINUM THICKNESS	2	2

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 8.

## MATERIALS

Sign base is made of painted aluminum. Signboards are made with the application of certificated RA1 class reflective printed film with normal light response and subsequent application of approved anti-UV transparent protective film. The iron collar brackets for installation on Ø 76 mm bar are made by hot bending and subsequent hot-dip galvanizing treatment. Accompanied by proper mounting hardware.

## WARNING SIGN FOR LOWERING PANTOGRAPH



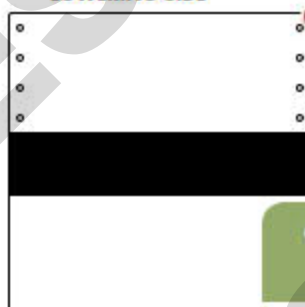
AVAILABLE ALSO FOR  
ALUMINIUM BAR  
ON PAGE 32

RFI 766 / 030

Signal noticing lowering pantograph.

## SIGN FOR LOWERING AND RAISING PANTOGRAPH

LOWERING SIDE



Two-sided

RAISING SIDE



AVAILABLE ALSO FOR  
ALUMINIUM BAR  
ON PAGE 28

RFI 766 / 031

Lowering and raising signal for pantograph.



RFI 766 / 030 S

Bracket and counter-bracket system with galvanized iron collar for pantograph signs installation on Ø 76 mm profiled bar.

## FASTENING SYSTEM FOR SIGNS ON MEC "TYPE C" BEAM



NEW

RFI766/122

System composed by two flat and 2 round 12 mm Ø curved brackets, in galvanized iron, for installation of warning signs on MEC "type C" beams. stainless steel hardware included

SYSTEM IS ALSO SUITABLE  
FOR INSTALLATION OF  
ISOLATED OVERLAP SIGNS  
ON PAGE 16

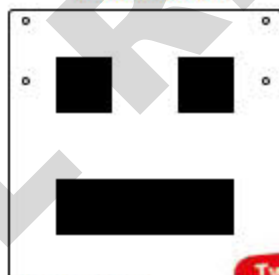
## WARNING SIGN FOR INDICATION OF BEGINNING AND ENDING OF NOT POWERED AREAS

## DIMENSIONS OF SIGNS FOR NOT POWERED AREA (MM)

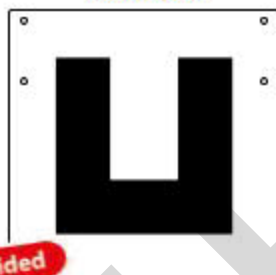
CODE	RFI TEA / 010 - 020
LENGHT X WIDTH	400 x 400
ALUMINIUM THICKNESS	2

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.

BEGINNING SIDE



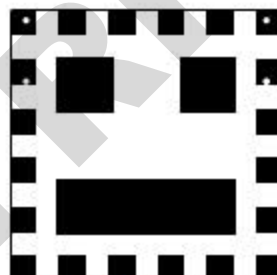
ENDING SIDE



Two-sided

RFI TEA / 010

Signal for not powered area beginning and ending.



RFI TEA / 020

Warning signal for not powered area.



RFI TEA / 010 S

Bracket and counter-bracket system with galvanized iron collar for pantograph signboards installation on Ø 76 mm bar.





## IDENTIFICATION AND WARNING SIGNBOARDS FOR LEVEL CROSSING AND DISCONNECTORS

Electric traction signage

## IDENTIFICATION AND WARNING SIGNBOARDS FOR E.T. SUPPORTS AND SUSPENSIONS IN TUNNELS

### DIMENSIONS OF SIGNBOARDS AND NOTICE PLATES (MM)

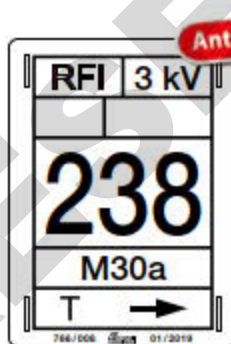
CODE	RFI 766/005	RFI 766/006	RFI 766/006R	RFI 766/008	RFI 766/008R	RFI 766/029	RFI 766/036 D - S
LENGTH X WIDTH	145 x 164	140 x 225	120 x 225	140 x 190	120 x 190	140 x 190	140 x 180
ALUMINUM THICKNESS	1	1	1	1	1	1	1



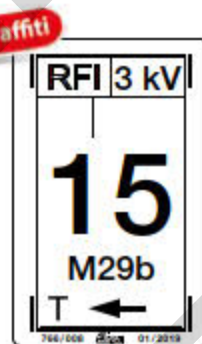
**RFI 766 / 006**  
Warning sign for E.T. supports



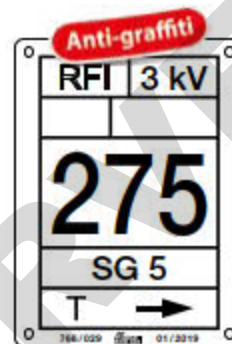
**RFI 766 / 006R**  
Warning sign for E.T. supports - reduced



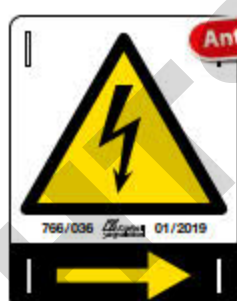
**RFI 766 / 008**  
Identification sign for E.T. support



**RFI 766 / 008R**  
Identification sign for E.T. supports - reduced



**RFI 766 / 029**  
Identification sign for suspensions in tunnels.



**RFI 766 / 036 D**  
Warning sign to be applied on separated poles.



**RFI 766 / 036 S**  
Warning sign to be applied on separated poles.



**RFI 766 / 005**  
Warning sign "high voltage, danger of death".  
Made with class R2 certified reflective film.

FASTENING SYSTEMS WITH STRIPS,  
STEEL CLAMPS AND ACCESSORIES  
ON PAGE 12.



### MATERIALS

Sign base is made of raw aluminum. Signboards are made with application of certified PVC printed film and subsequent application of approved anti-UV and anti-graffiti transparent protective film. Signs are made with slots to be fastened to support stands using stainless steel tape. Identification plates for suspensions in tunnels are perforated in order to be stuck to the wall with appropriate screws. Warning signboards are made of painted aluminum with fixing holes, certified R2 class reflective silkscreened film with high light-response and anti-UV transparent protection.

## LEVEL CROSSING SYSTEM SIGN

HIGH RESISTANCE AND DURABILITY OF MATERIALS.  
FEATURES ON PAGE 10.

### DIMENSIONS OF SIGNBOARDS FOR LEVEL CROSSING AND DISCONNECTORS (MM)

CODE	RFI 766 / 007	RFI 766 / 037	RFI 766 / 034
LENGTH X WIDTH	400 x 250	310 x 140	180 x 140
ALUMINUM THICKNESS	2,5	1	1



**RFI 766 / 007**  
Level crossing system sign.

## UNIPOLAR HORN DISCONNECTORS 3 KV CC PLATES



**RFI 766 / 037**  
Unipolar horn disconnectors 3KV CC identification plate in large plants.



**RFI 766 / 034**  
Unipolar horn disconnectors 3KV CC identification plate in small plants.



### MATERIALS

Base for level crossing signs is made of painted aluminum. Base for disconnectors identification plates is made of raw aluminum. Signboards are made with application of certified RA2 class film with very high light response (class 3A and 3B for RFI STF IS 743B) printed and subsequent application of approved transparent film protective anti-UV and anti-graffiti.





## INDICATION SIGNBOARDS FOR RAILWAY PORTALS

## DIMENSIONS OF INDICATION SIGNBOARDS FOR RAILWAY PORTALS (MM)

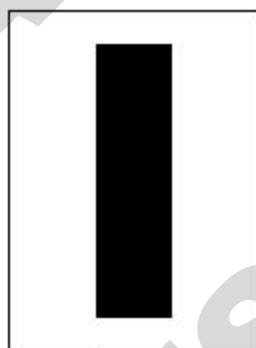
CODE	RFI 766 / 072	RFI 766 / 073
LENGTH X WIDTH	440 x 600	440 x 600
ALUMINUM THICKNESS	3	3



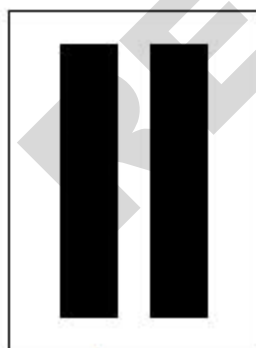
TO REQUEST THE COMPLETE SERIES OF 4 SIGNBOARDS FOR RAILWAY PORTALS USE CODE RFI 766/072

## MATERIALS

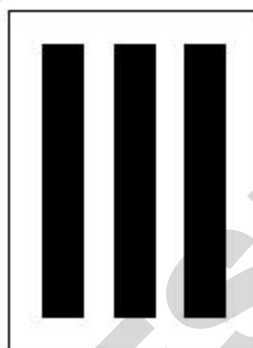
The base for railway portal signs is made of painted aluminum with FS-type connections for M-type tapered poles and LS / LSF poles, with their painted aluminum brackets, pins and stainless steel cotter pin. Warning signs are made of painted aluminum. Signboards are made with application of certified R2 class reflective film with high luminous silk-screened response and subsequent application of approved transparent protective anti-UV film.



RFI 766 / 072 - 1  
Indication sign for railway portal I.



RFI 766 / 072 - 2  
Indication sign for railway portal II.



RFI 766 / 072 - 3  
Indication sign for railway portal III.



RFI 766 / 072 - 4  
Indication sign for railway portal IV.

## OPERATION PROVISION N. 10 OF 30 OCTOBER 2017

Interface procedure. Changes to Regulation about signals in use on national railway infrastructure, concerning the introduction of E.T. line railway portals.

TO REQUEST THE COMPLETE SERIES OF 3 RAILWAY PORTAL SIGNBOARDS USE CODE RFI 766 / 073.



RFI 766 / 073 - 0  
Alerting sign for E.T. line railway portal.

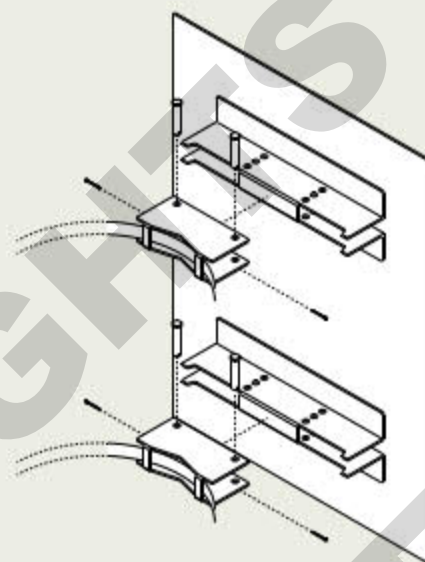


RFI 766 / 073 - 1  
Upstream isolated overlap railway portal indication sign with kilometeric progression.



RFI 766 / 073 - 2  
Downstream isolated overlap railway portal indication sign with kilometeric progression.

## FS TYPE CONNECTIONS (SEE PAGE 11, DIAG 011).



Signboard with FS type connectors for M type tapered poles and LS / LSF type poles, supplied with proper painted aluminum brackets, pins and stainless steel cotter pins.





## WARNING SIGNBOARDS FOR ISOLATED OVERLAP AND SIGNS FOR HIGH VOLTAGE SUPPORTS

Electric traction signage

### WARNING SIGNBOARDS FOR ISOLATED OVERLAP, POWER DESCENDING AND LOW LINE

#### DIMENSIONS OF SIGNBOARDS FOR ISOLATED OVERLAP (MM)

CODE	LENGTH X WIDTH	ALUMINUM THICKNESS
RFI 766 / 023	540 x 220	2
RFI 766 / 024	540 x 220	2
RFI 766 / 025	540 x 220	2
RFI 766 / 046	540 x 220	2

#### MATERIALS

Sign base is made of painted aluminum. Signboards are made with application of certified RA1 class reflective film with normal printed light response and subsequent application of approved anti-UV transparent protective film. The collar brackets for installation on the Ø 76 mm profiled bar are made of iron by hot bending and subsequent hot-dip galvanizing treatment. Proper fastener hardware included.

PRODUCT AVAILABLE ALSO FOR  
ALUMINUM BAR ON PAGE 28.



**RFI 766 / 023**  
Warning sign for  
"ISOLATED OVERLAP".



**RFI 766 / 024**  
Warning sign for  
"ATTENTION TO ISOLATED OVERLAP".



**RFI 766 / 025**  
Double warning sign for  
"ATTENTION TO POWER DESCENDING".



**RFI 766 / 046**  
Warning sign for  
"LOW LINE".



**RFI 766 / 023.5**  
Bracket and counter-clamping system in hot-galvanized iron collar for installation of isolated overlap signboards on Ø 76 mm shelves.



SIGNBOARDS CAN BE  
INSTALLED ON "TYPE-C"  
MEC BEAMS WITH CODE  
RFI766/122 ON PAGE 13.

### WARNING SIGNBOARDS AND IDENTIFICATION PLATES FOR HIGH VOLTAGE SUPPORTS

#### DIMENSIONS OF WARNING SIGNBOARDS AND PLATES FOR HIGH VOLTAGE (MM)

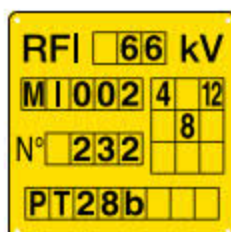
CODE	RFI TEC / 010	RFI TED / 010
LENGTH X WIDTH	360 x 400	300 x 300
ALUMINUM THICKNESS	2	2

#### MATERIALS

Sign base is made of painted aluminum. Alphanumeric digits on identification plates are made with application of non-reflective cut-out PVC film.



**RFI TEC / 010**  
Warning sign for High Voltage supports.



**RFI TED / 010**  
Identification plate for High Voltage supports.



SIGNBOARDS FOR HIGH VOLTAGE IDENTIFICATION-PLATES ARE MADE OF PRINTED AND SILK-SCREENED ALUMINUM BASES WITH PVC FILM APPLICATION. THE GRAPHICS CAN BE PRODUCED AFTER ADEQUATE EXECUTIVE INFORMATION SUBMISSION.





## "OPERABILITY LIMIT" WARNING SIGNS FOR E.T. POLES WITH POWER SUPPLY OR MEDIUM VOLTAGE LINE

### DIMENSIONS OF "OPERABILITY LIMIT" WARNING SIGNS FOR M TYPE POLES (MM)

CODE	RFI 766 / 040	RFI 766 / 041	RFI 766 / 042	RFI 766 / 043
Ø POLE X HEIGHT	130 x 100	160 x 100	190 x 100	215 x 100
ALUMINUM THICKNESS	2	2	2	2



**RFI 766 / 040**

"Operability limit" warning sign for Ø mm 130 M type pole.



**RFI 766 / 041**

"Operability limit" warning sign for Ø mm 160 M type pole.



**RFI 766 / 042**

"Operability limit" warning sign for Ø mm 190 M type pole.



**RFI 766 / 043**

"Operability limit" warning sign for Ø mm 215 M type pole.

## "OPERABILITY LIMIT" WARNING SIGNS FOR E.T. POLES, AS ALTERNATIVE TO FLAGS FOR RFI 766/035 ALUMINUM PROFILED BAR

### DIMENSIONS OF "OPERABILITY LIMIT" WARNING SIGNS WITH SPIKES FOR M TYPE POLES (MM)

CODE	RFI 766 / 050	RFI 766 / 051	RFI 766 / 052	RFI 766 / 053	RFI 766 / 054
Ø POLE X HEIGHT	160 x 100	190 x 100	215 x 100	273 x 100	290 x 100
ALUMINUM THICKNESS	2	2	2	2	2



**RFI 766 / 050**

"Operability limit" warning sign with spikes for Ø mm 160 M type pole.



**RFI 766 / 051**

"Operability limit" warning sign with spikes for Ø mm 190 M type pole.



**RFI 766 / 052**

"Operability limit" warning sign with spikes for Ø mm 215 M type pole.



**RFI 766 / 053**

"Operability limit" warning sign with spikes for Ø mm 273 M type pole.



**RFI 766 / 054**

"Operability limit" warning sign with spikes for Ø mm 290 M type pole.



### MATERIALS

Sign base is made of raw aluminum. The signs are made with application of certified RA1 class reflective film with normal printed light response and subsequent application of approved anti-UV transparent protective film. Proper fastener hardware included.

**HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.**





# OPERABILITY LIMIT SIGNS FOR LS/LSF TYPE E.T. POLES

Electric traction signage



## OPERABILITY LIMIT WARNING SIGNS FOR E.T. LS / LSF TYPE POLES AT 1 METER FROM POWER SUPPLY OR MEDIUM VOLTAGE LINE

### DIMENSIONS FOR OPERABILITY LIMIT WARNING SIGNS FOR LS TYPE POLES (MM)

CODE RFI 766 / ...	100	101	102	103	104	105	106	107	108	109
LS/LSF POLE	100 x 300	120 x 300	140 x 300	160 x 300	180 x 300	180 x 400	200 x 300	200 x 400	220 x 400	240 x 400
ALUMINUM THICKNESS	2	2	2	2	2	2	2	2	2	2



#### RFI 766 / 100

Operability limit warning sign for LS/LSF 10 type pole (mm 100 x 300).



#### RFI 766 / 102

Operability limit warning sign for LS/LSF 14 type pole (mm 140 x 300).



#### RFI 766 / 104

Operability limit warning sign for LS/LSF 18 type pole (mm 180 x 300).



#### RFI 766 / 106

Operability limit warning sign for LS/LSF 20 type pole (mm 200 x 300).



#### RFI 766 / 108

Operability limit warning sign for LS/LSF 22G type pole (mm 220 x 400).



#### RFI 766 / 101

Operability limit warning sign for LS/LSF 12 type pole (mm 120 x 300).



#### RFI 766 / 103

Operability limit warning sign for LS/LSF 16 type pole (mm 160 x 300).



#### RFI 766 / 105

Operability limit warning sign for LS/LSF 18G type pole (mm 180 x 400).



#### RFI 766 / 107

Operability limit warning sign for LS/LSF 20G type pole (mm 200 x 400).



#### RFI 766 / 109

Operability limit warning sign for LS/LSF 24G type pole (mm 240 x 400).

## OPERABILITY LIMIT WARNING SIGNS FOR E.T. LS / LSF TYPE POLES WITH SPIKES IN ALTERNATIVE TO FLAGS FOR RFI 766 / 035 ALUMINUM PROFILED BAR



### DIMENSIONS FOR OPERABILITY LIMIT WARNING SIGNS WITH SPIKES FOR LS TYPE POLES (MM)

CODE RFI 766 / ...	110	111	112	113	114	115	116	117	118	119
LS/LSF POLE	100 x 300	120 x 300	140 x 300	160 x 300	180 x 300	180 x 400	200 x 300	200 x 400	220 x 400	240 x 400
ALUMINUM THICKNESS	2	2	2	2	2	2	2	2	2	2



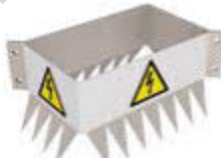
#### RFI 766 / 110

Operability limit warning sign with spikes for LS/LSF 10 type pole (mm 100 x 300).



#### RFI 766 / 112

Operability limit warning sign with spikes for LS/LSF 14 type pole (mm 140 x 300).



#### RFI 766 / 114

Operability limit warning sign with spikes for LS/LSF 18 type pole (mm 180 x 300).



#### RFI 766 / 116

Operability limit warning sign with spikes for LS/LSF 20 type pole (mm 200 x 300).



#### RFI 766 / 118

Operability limit warning sign with spikes for LS/LSF 22G type pole (mm 220 x 400).



#### RFI 766 / 111

Operability limit warning sign with spikes for LS/LSF 12 type pole (mm 120 x 300).



#### RFI 766 / 113

Operability limit warning sign with spikes for LS/LSF 16 type pole (mm 160 x 300).



#### RFI 766 / 115

Operability limit warning sign with spikes for LS/LSF 18G type pole (mm 180 x 400).



#### RFI 766 / 117

Operability limit warning sign with spikes for LS/LSF 20G type pole (mm 200 x 400).



#### RFI 766 / 119

Operability limit warning sign with spikes for LS/LSF 24G type pole (mm 240 x 400).

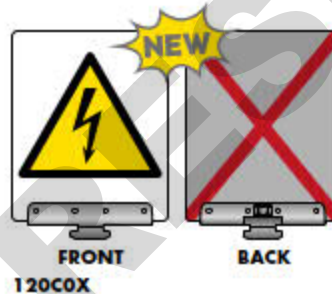
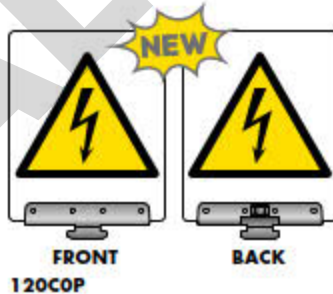




## OPERABILITY LIMIT FLAGS TO BE INSTALLED ON ALUMINUM PROFILED BAR: RFI 766 / 120

### MATERIALS

Flags are made by using the materials prescribed by RFI DPR DIT STF IFS TE 032 B Technical Supply Specification. The clamp is made of aluminum. The flag panel is made of PETG plastic material, certified with UV protection internally printed: both sides are held together by an extremely strong adhesive, acrylic, double-sided tape. Each flag is assembled with stainless steel components and screws.

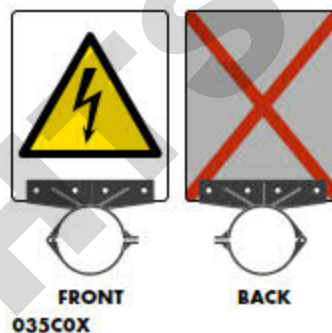
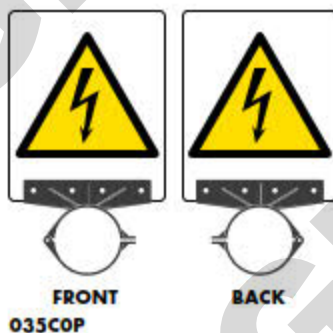


ON REQUEST, A PETG PANEL CAN BE SUPPLIED SEPARATELY WITH SILK-SCREEN PRINTED GRAPHICS AND AN ALUMINUM CONNECTION SYSTEM.

## OPERABILITY LIMIT FLAGS TO BE INSTALLED ON ALUMINUM PROFILED BAR: RFI 766 / 035

### MATERIALS

Flags are made by using the materials prescribed by RFI DPR DIT STF IFS TE 032 B Technical Supply Specification. The clamp is obtained by injection molding technology of plastic material PA 6,6 + FV (fiberglass filled nylon 6,6). The flag panel is made of PETG plastic material, certified with UV protection internally printed: both sides are held together by an extremely strong adhesive, acrylic, double-sided tape. Each flag is assembled with stainless steel components and screws: screws and fastener hardware for installation on Ø 76 mm bar are included.



## FLAG COMPONENTS

### 1 CONNECTOR

Connection for "operability limit" flag to be installed on Ø 76 mm profiled bar, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6) with fastening holes on PETG panel.

### 2 LOCK

Locking system for "operability limit" flag to be installed on Ø 76 mm profiled bar, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6) with holes for attachment to connector.

### 3 PETG PANEL

PETG plastic panel, certified with UV protection, composed by two internally molded faces and glued with highly adhesive, acrylic, double-sided tape. Thickness of single face: 1.5 mm.

### 4 STAINLESS STEEL PIN AND SEEGER

Hinged clamp (connector and lock) held together by a stainless steel pin and seeger system for assembling and easy installation on the aluminum profiled bar. The pin is provided with grooves for the engagement of the two seegers.

### 5 STAINLESS STEEL SCREW HARDWARE

PETG panel is assembled to the clamp with screw hardware (screws, self-locking nuts and washers) in stainless steel. Supplied with the appropriate fastener hardware to lock the clamp and install it on the aluminum profiled bar.







## WARNING FLAGS FOR ELECTRIC ZONES

Electric traction signage

### WARNING FLAGS FOR ELECTRIC ZONES FEATURES



FURTHER INFORMATION ABOUT REDUCERS FOR CLAMP ADAPTATION TO VARIOUS SIZES ROPES ON PAGE 24.

GRAPHICS ON REQUEST, AVAILABLE IN COLORS INDICATED ON PAGE 25.



### FLAG COMPONENTS

#### 1 ROPE CONNECTOR

Connection for electric zone warning flag to be installed on  $\varnothing 19,6$  mm rope, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6) with fastening holes on PETG panel.

#### 2 ROPE LOCK

Locking system for electric zone warning flag to be installed on  $\varnothing 19,6$  mm rope, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6) with holes for attachment to connector.

#### 3 ROPE SIZE REDUCER

Section reducer for electric zone warning flag to be installed on the rope, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6). Composed by two elements and available in different diameter measures, it allows to adapt the clamp to various rope sizes.

#### 4 PETG PANEL

PETG plastic panel, certified with UV protection, composed by two internally molded faces and glued with highly adhesive, acrylic, double-sided tape. Thickness of single face: 1.5 mm.

#### 5 STAINLESS STEEL PIN AND SEEGER

Hinged clamp (connector and lock) held together by a stainless steel pin and seeger system for rope assembling and easy installation. The pin is provided with grooves for the engagement of the two seegers.

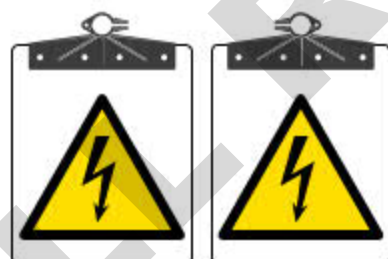
#### 6 STAINLESS STEEL SCREW HARDWARE

PETG panel is assembled to the clamp with screw hardware (screws, self-locking nuts and washers) in stainless steel. Supplied with the appropriate fastener hardware to lock the clamp and install it to the rope.





## SOME AVAILABLE VARIATIONS AND CODING EXAMPLES FOR ELECTRIC ZONES WARNING FLAGS: RFI 766 / 038



FRONT  
038C0P



BACK



FRONT  
038C0X



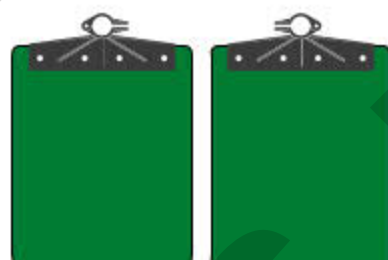
BACK



FRONT  
038C0P1H000



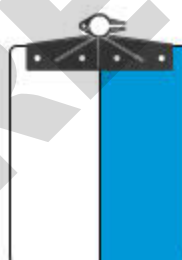
BACK



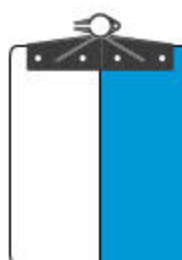
FRONT  
038C01G0001G000



BACK



FRONT  
038C02LI002LI00



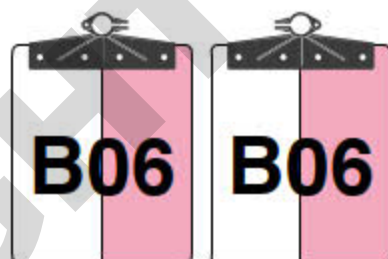
BACK



FRONT  
038C09900399003



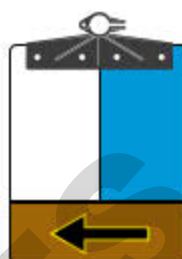
BACK



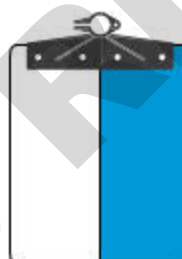
FRONT  
038C09910399103



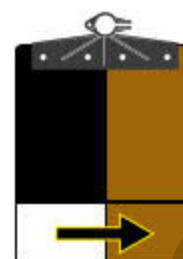
BACK



FRONT  
038C0940042LI00



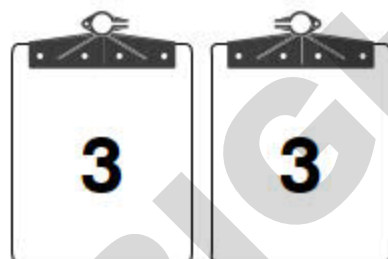
BACK



FRONT  
038C0960032MH00



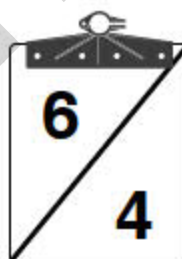
BACK



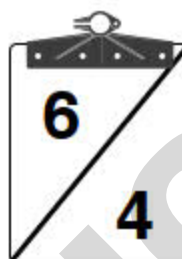
FRONT  
038C09000390003



BACK



FRONT  
038C09800798007



BACK



FRONT  
038C09700397003



BACK

### MATERIALS

Flags are made by using the materials prescribed by RFI DPR DIT STF IFS TE 032 B Technical Supply Specification. The clamp is obtained by injection molding technology of plastic material PA 6,6 + FV (fiberglass filled nylon 6,6). The flag panel is made of PETG plastic material, certified with UV protection internally printed: both sides are held together by an extremely strong adhesive, acrylic, double-sided tape. Each flag is assembled with stainless steel components and screws: screws and fastener hardware for installation and reducers for clamp adaptation to rope size are included.

**HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.**

**ADDITIONAL FLAGS CAN BE OBTAINED BY COMBINING DIFFERENT GRAPHICS AND COLORS. COLORS FOR FLAGS ARE SHOWN ON PAGE 25.**





## DOUBLE WARNING FLAGS FOR ELECTRIC ZONES

Electric traction signage

### DOUBLE WARNING FLAG FOR ELECTRIC ZONES FEATURES



### FLAG COMPONENTS

#### 1 DOUBLE ROPE CONNECTOR

Double connection for electric zone warning flag to be installed on  $\varnothing 19,6$  mm rope, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6) with fastening holes on PETG panel.

#### 2 ROPE SIZE REDUCER

Section reducer for electric zone warning flag to be installed on the rope, in plastic material PA 6,6 + FV (fiberglass filled nylon 6,6). Composed by two elements and available in different diameter measures, it allows to adapt the clamp to various rope sizes.

#### 3 PETG PANEL

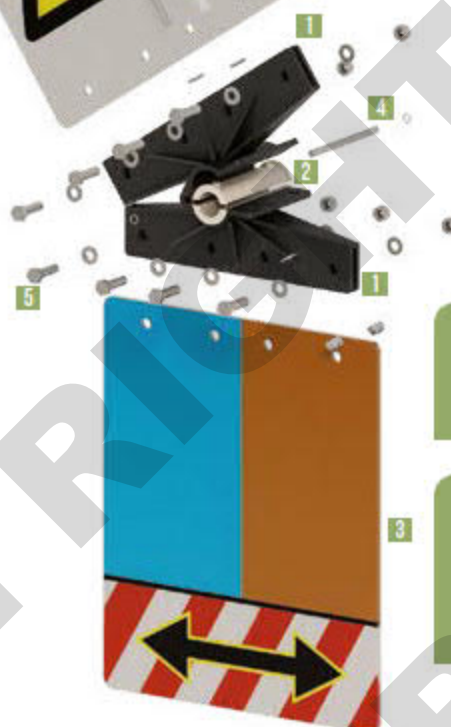
PETG plastic panel, certified with UV protection, composed by two internally molded faces and glued with highly adhesive, acrylic, double-sided tape. Thickness of single face: 1.5 mm.

#### 4 STAINLESS STEEL PIN AND SEEGER

Hinged clamp (double connector) held together by a stainless steel pin and seeger system for rope assembling and easy installation. The pin is provided with grooves for the engagement of the two seegers.

#### 5 STAINLESS STEEL SCREW HARDWARE

PETG panel is assembled to the clamp with screw hardware (screws, self-locking nuts and washers) in stainless steel. Supplied with the appropriate fastener hardware to lock the clamp and install it to the rope.



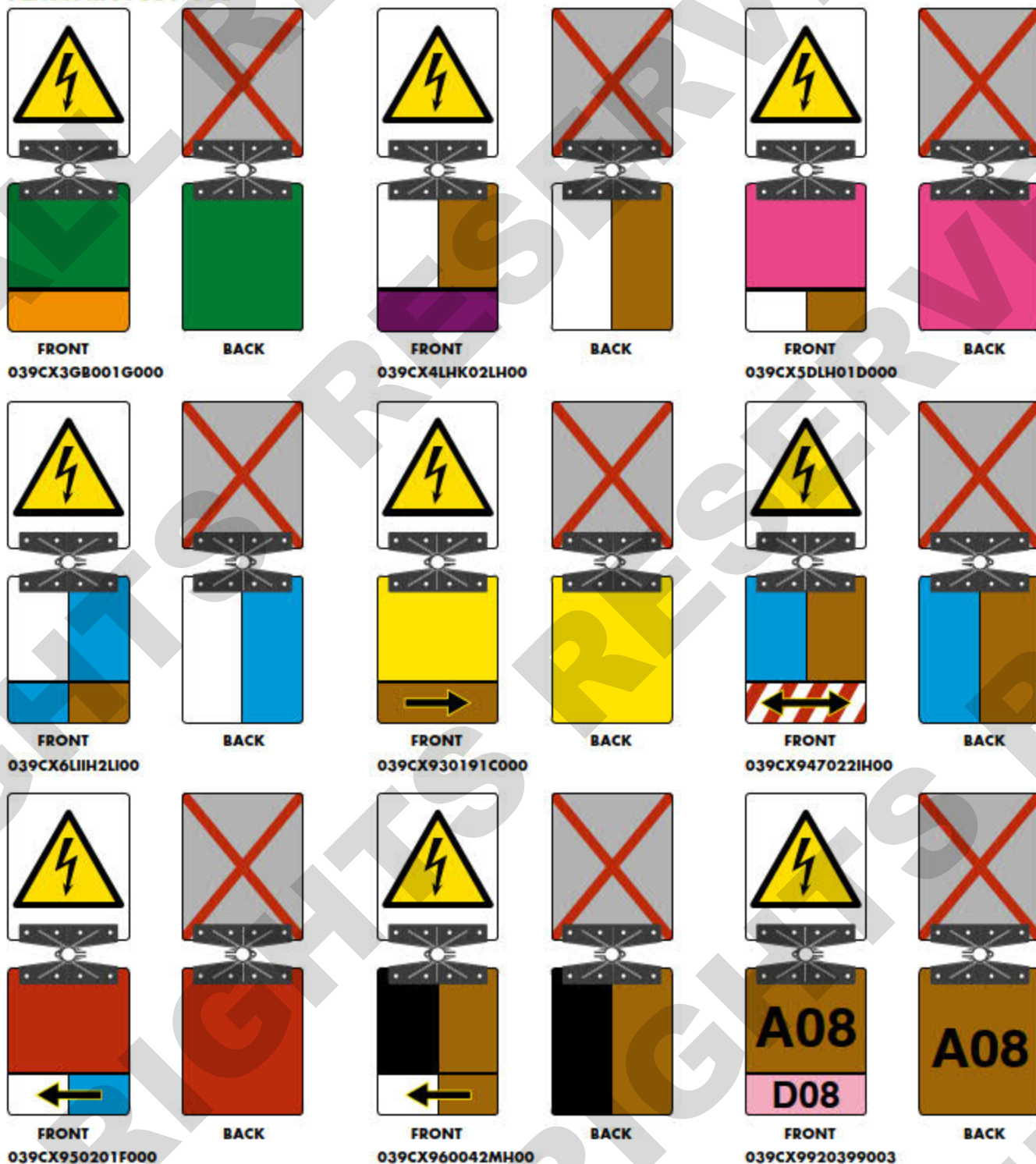
GRAPHICS ON REQUEST,  
AVAILABLE IN COLORS  
INDICATED ON PAGE 25.

FURTHER INFORMATION  
ABOUT REDUCERS FOR  
CLAMP ADAPTATION TO  
VARIOUS SIZES ROPES  
ON PAGE 24.





## SOME AVAILABLE VARIATIONS AND CODING EXAMPLES FOR ELECTRIC ZONES DOUBLE WARNING FLAGS: RFI 766 / 039



### MATERIALS

Flags are made by using the materials prescribed by RFI DPR DIT STF IFS TE 032 B Technical Supply Specification. The clamp is obtained by injection molding technology of plastic material PA 6,6 + FV (fiberglass filled nylon 6,6). The flag panel is made of PETG plastic material, certified with UV protection internally printed: both sides are held together by an extremely strong adhesive, acrylic, double-sided tape. Each flag is assembled with stainless steel components and screws: screws and fastener hardware for installation and reducers for clamp adaptation to rope size are included.

**HIGH RESISTANCE AND DURABILITY OF MATERIALS.** FEATURES ON PAGE 10.

**ADDITIONAL FLAGS CAN BE OBTAINED BY COMBINING DIFFERENT GRAPHICS AND COLORS. COLORS FOR FLAGS ARE SHOWN ON PAGE 25.**



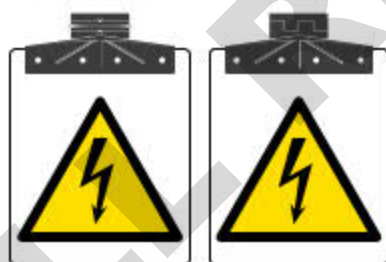


## FLAGS TO BE INSTALLED ON BARRIERS AND ROPE SIZE REDUCERS

Electric traction signage

### OPERABILITY LIMIT WARNING FLAG TO BE INSTALLED ON BARRIERS: RFI 766 / 033

For these flags is expected to use reducers **03XR8000**.



**FRONT**  
**033C0P**



**BACK**



**FRONT**  
**033C0X**



**BACK**



### REDUCERS ADAPTING CLAMP TO VARIOUS SIZE ROPES

#### MATERIALS

Rope size reducers for flags, as reported in RFI DPR STF IFS TE 032 B Technical Specification, are made by injection molding technology of plastic material PA 6,6 + FV (fiberglass filled nylon 6,6). The colors make it easy to identify the reducer with desired diameter.



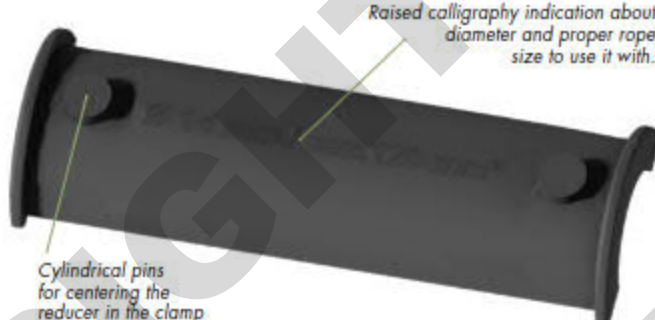
**03XR8000**

Reducer for  $\varnothing$  8 mm rope or 50 mm<sup>2</sup> section.



**03XR1050**

Reducer for  $\varnothing$  10,5 mm rope or 65 mm<sup>2</sup> section.



Raised calligraphy indication about diameter and proper rope size to use it with.

Cylindrical pins for centering the reducer in the clamp



**03XR1180**

Reducer for  $\varnothing$  11,8 mm rope or 80 mm<sup>2</sup> section.



**03XR1400**

Reducer for  $\varnothing$  14 mm rope or 120 mm<sup>2</sup> section.



**03XR1610**

Reducer for  $\varnothing$  16,1 mm rope or 155 mm<sup>2</sup> section.



**03XR1800**

Reducer for  $\varnothing$  18 mm rope or 170 mm<sup>2</sup> section.





## CLASSIFICATION OF COLORS FOR ELECTRIC ZONES WARNING FLAGS

### MATERIALS

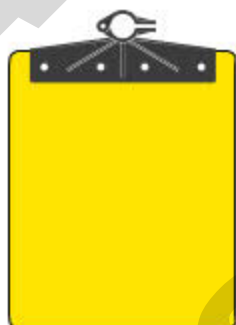
The flag panel is made of PETG plastic material, certified with UV protection internally printed on each side; both sides (1,5 mm thickness) are held together by an extremely strong adhesive, acrylic, double-sided tape. The colors are obtained by precise blending of high quality silk-screen inks to achieve the desired chromatic specification.



**BLU**  
**PANTONE TYPE 2945.C**  
Coloration used in rail yards and train lots.



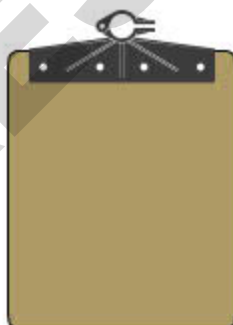
**ORANGE**  
**PANTONE TYPE 152.C**  
Coloration used in rail yards and train lots.



**YELLOW**  
**PANTONE TYPE 108.C**  
Coloration used in rail yards and train lots.



**FUCHSIA**  
**PANTONE TYPE 205.C**  
Coloration used in rail yards and train lots.



**METALLIC GOLD**  
**PANTONE TYPE 871.C**  
Coloration used on rail track for locomotives shed



**RED**  
**PANTONE TYPE 1805.C**  
Coloration used in even-numbered rail tracks.



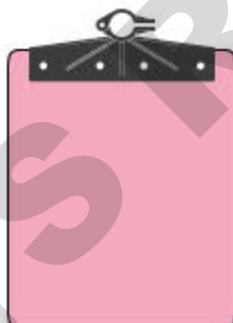
**GREEN**  
**PANTONE TYPE 356.C**  
Coloration used in odd-numbered rail tracks.



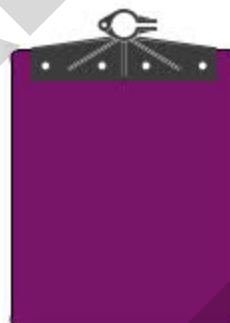
**BROWN**  
**PANTONE TYPE 4635.C**  
Coloration used in even-numbered rail tracks (1<sup>st</sup> directrix) with intermediate isolated overlap.



**LIGHT BLUE**  
**PANTONE TYPE 299.C**  
Coloration used in odd-numbered rail tracks (1<sup>st</sup> directrix) with intermediate isolated overlap.



**PINK**  
**PANTONE TYPE 197.C**  
Coloration used in even-numbered rail tracks (2<sup>nd</sup> directrix) with intermediate isolated overlap.



**PURPLE**  
**PANTONE TYPE 255.C**  
Coloration used in odd-numbered rail tracks (2<sup>nd</sup> directrix) with intermediate isolated overlap.



**OIL**  
**PANTONE TYPE 322.C**  
Coloration used in the second zone of double intermediate isolated overlap (in addition to other colors).



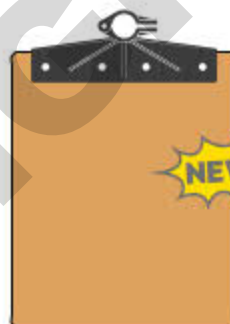
**SILVER**  
**PANTONE TYPE 877.C**  
Coloration used in the second zone of double intermediate isolated overlap (in addition to other colors).



**WHITE**  
Coloration used for identification of railway portals, power suppliers and intermediate isolated overlap zones in whole line.



**BLACK**  
Coloration used in priority rail tracks (in addition to other colors).



**SAND**  
Coloration used in even-numbered rail tracks (2<sup>nd</sup> directrix).



**LAVENDER**  
Coloration used in odd-numbered rail tracks (2<sup>nd</sup> directrix).





# DIAMONDS AND LENTICULAR DISCS FOR ELECTRIC ZONES

Electric traction signage

## DIAMONDS FOR ELECTRIC ZONES IDENTIFICATION

### DIMENSIONS OF DIAMONDS FOR ELECTRIC ZONES IDENTIFICATION (MM)

CODE	DIMENSIONS	MATERIAL
RFI 766 / 509	200 x 220	Aluminum 10/10
RFI 766 / 509 B	180 x 220	Nylon + PETG

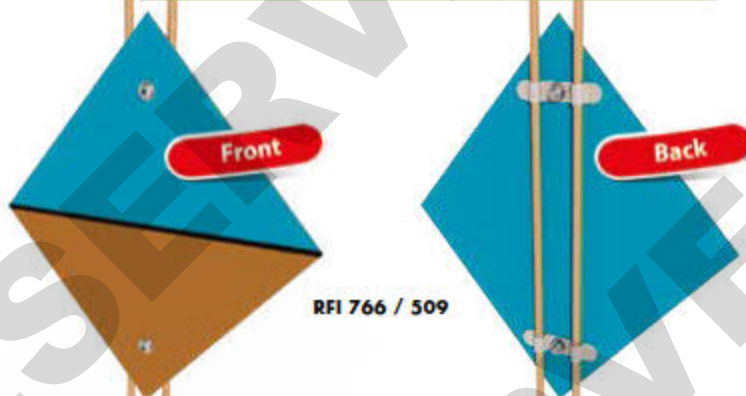
### MATERIALS

Diamonds' base is made of painted aluminum, with fastening holes for rope connection. Signboards are made with application of non-reflective PVC film that is silk-screen printed or cut out for cut-out.

### COLOR CHART

A = blu	B = orange	C = yellow	D = fuchsia
E = gold	F = red	G = green	H = brown
I = light blue	J = pink	K = purple	L = white
M = black	N = oil	Q = silver	R = lavender
S = sand	Y = red satin	Z = blue sky	X = neutral

GRAPHICS ON REQUEST, AS EXAMPLES ILLUSTRATED ON PAGES 21 AND 23, WITH COLORS INDICATED ON PAGE 25



RFI 766 / 509



RFI 766 / 509 B

CLAMP, PETG AND FLAG COMPONENTS FEATURES ARE AVAILABLE ON PAGE 20.

## LENTICULAR DISCS FOR ELECTRIC ZONES MARKING

### DIMENSIONS OF LENTICULAR DISCS FOR ELECTRIC ZONES MARKING (MM)

CODE	DIAMETER	MATERIAL
RFI 766 / 543	300	Fiberglass
RFI 766 / 543 R	300	Fiberglass
RFI 766 / 543 M	350	Nylon + PETG
RFI 766 / 543 F	350	Nylon + PETG



RFI 766 / 543 M



RFI 766 / 543 F

CLAMP, PETG AND DISC COMPONENTS FEATURES ARE AVAILABLE ON PAGES 19 AND 20.



RFI 766 / 543

RFI 766 / 543 R

FIBERGLASS DISC FOR Ø 76 MM PROFILED BAR. AVAILABLE ALSO WITH ROPE REDUCER RFI 766 / 543 R.





## ADHESIVE STRIPS INDICATING ELECTRICAL ZONES

















### WITH NOT REFLECTIVE PVC FILM

		
<b>RFI 766 / 507 A</b> blu	<b>RFI 766 / 507 B</b> orange	<b>RFI 766 / 507 C</b> yellow
		
<b>RFI 766 / 507 D</b> fuchsia	<b>RFI 766 / 507 E</b> metallic gold	<b>RFI 766 / 507 F</b> red
		
<b>RFI 766 / 507 G</b> green	<b>RFI 766 / 507 H</b> brown	<b>RFI 766 / 507 I</b> light blue
		
<b>RFI 766 / 507 J</b> pink	<b>RFI 766 / 507 K</b> purple	<b>RFI 766 / 507 L</b> white
		
<b>RFI 766 / 507 M</b> black	<b>RFI 766 / 507 N</b> oil	<b>RFI 766 / 507 Q</b> silver
		
<b>RFI 766 / 507 R</b> lavender	<b>RFI 766 / 507 S</b> sand	<b>RFI 766 / 507 Y</b> red satin
		
<b>RFI 766 / 507 Z</b> blue sky		



### WITH REFLECTIVE RA 1 CLASS PVC FILM

		
<b>RFI 766 / 507 AR</b> blu	<b>RFI 766 / 507 BR</b> orange	<b>RFI 766 / 507 CR</b> yellow
		
<b>RFI 766 / 507 DR</b> fuchsia	<b>RFI 766 / 507 ER</b> metallic gold	<b>RFI 766 / 507 FR</b> red
		
<b>RFI 766 / 507 GR</b> green	<b>RFI 766 / 507 HR</b> brown	<b>RFI 766 / 507 IR</b> light blue
		
<b>RFI 766 / 507 JR</b> pink	<b>RFI 766 / 507 KR</b> purple	<b>RFI 766 / 507 LR</b> white
		
<b>RFI 766 / 507 MR</b> black	<b>RFI 766 / 507 NR</b> oil	<b>RFI 766 / 507 QR</b> silver
		
<b>RFI 766 / 507 RR</b> lavender	<b>RFI 766 / 507 SR</b> sand	<b>RFI 766 / 507 YR</b> red satin
		
<b>RFI 766 / 507 ZR</b> blue sky		





# WARNING SIGNBOARDS FOR ISOLATED OVERLAP AND PANTOGRAPHS, FOR ALUMINUM BARS

Electric traction signage

## ISOLATED OVERLAP SIGNBOARDS FOR ALUMINUM PROFILED BAR

### DIMENSIONS OF WARNING SECTIONING SIGNBOARDS (MM)

CODE	LENGTH X WIDTH	ALUMINUM THICKNESS
RFI 766 / 010	540 x 220	2
RFI 766 / 011	540 x 220	2
RFI 766 / 012	540 x 220	2

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.

### MATERIALS

Sign base is made of painted aluminum. Signboards are made with application of certified RA1 class reflective film with normal printed light response and subsequent application of approved anti-UV transparent protective film. The brackets for installation on the aluminum profile bar are made of bent aluminum. Proper fastener hardware included.



RFI 766 / 010 S

Aluminum bracket and counter-bracket system for installation of warning isolated overlap signs on the aluminum profiled bar.



RFI 766 / 010

"Isolated overlap" indication sign for installation on aluminum profiled bar.



RFI 766 / 011

"Attention to isolated overlap" indication sign for installation on aluminum profiled bar.



RFI 766 / 012

"Attention to descending power supply" indication double sign for installation on aluminum profiled bar.

THE ALUMINUM PROFILED BAR IS DEVELOPED ON THE BASIS OF SOME FUNDAMENTAL PRINCIPLES, INCLUDING: OPTIMIZATION AND SIMPLIFICATION OF GEOMETRY AND COMPONENTS, ACCORDING TO APPLICABLE EUROPEAN INTER-OPERABILITY STANDARDS; TRANSIT SPEED ALLOWED UP TO 250 KM/H; USE OF METALLIC MATERIALS (ALUMINUM AND STAINLESS STEEL) WITH COMPLETE EXCLUSION OF GALVANIZING TREATMENT; REDUCTION OF ENVIRONMENTAL IMPACT; OPTIMIZATION OF PROBLEMS RELATED TO CHAIN SYSTEM (CRITICAL CURVE RAYS, ABNORMAL LIFTING AND SMEARING ZONE; ROTATION RESISTANCE, ETC).

### DIMENSIONS OF RAISING AND LOWERING PANTOGRAPHS SIGNS (MM)

CODE	RFI 766 / 121	RFI 766 / 061
LENGTH X WIDTH	400 x 400	400 x 400
ALUMINUM THICKNESS	2	2

### MATERIALS

Sign base is made of painted aluminum. Signboards are made with application of certified RA1 class reflective film with normal printed light response and subsequent application of approved anti-UV transparent protective film. The brackets for installation on the aluminum profiled bar are made of bent aluminum. Proper stainless steel fastener hardware included.

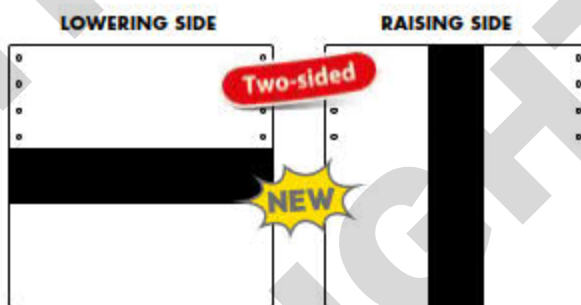
## SIGNBOARD NOTICING LOWERING PANTOGRAPHS FOR ALUMINUM PROFILED BAR



RFI 766 / 121

Signboard noticing lowering pantographs for installation on aluminum profiled bar.

## LOWERING AND RAISING PANTOGRAPHS SIGN FOR ALUMINUM PROFILED BAR



RFI 766 / 061

Signboard noticing lowering and raising pantographs for installation on aluminum profiled bar.

PROPER STAINLESS STEEL FASTENER HARDWARE INCLUDED

RFI 766 / 121 S

Aluminum bracket and counter-bracket system for installation of noticing, lowering and raising pantographs signs on the aluminum profiled bar.



FLAGS FOR ALUMINUM PROFILED BAR ON PAGE 19.





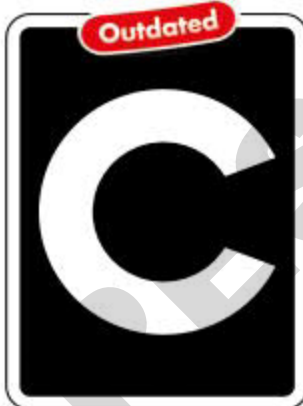
## SIGNBOARDS FOR CONSTRUCTION AREAS IN LINE

## DIMENSIONS OF "OPERABILITY LIMIT" SIGNBOARDS FOR LS TYPE POLES (MM)

CODE	RFI 740 / 718 - 719	RFI 740 / 722 - 724 - 712	RFI 740 / 709 - 710
LENGTH X WIDTH	450 x 600	450 x 600	450 x 600
ALUMINUM THICKNESS	2,5	2,5	2,5

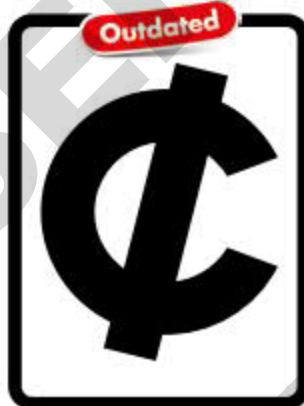
## MATERIALS

The signboard base is made of painted aluminum and equipped with rail-type reinforcements and appropriate fastening systems (for a simple and quick installation). On request, the boards can be supplied equipped with FS type connections (for tapered M-type LS / LSF poles), with painted aluminum brackets, stainless steel pins and cotter. Signboards are made with approved R2 class reflective film with high luminous response.



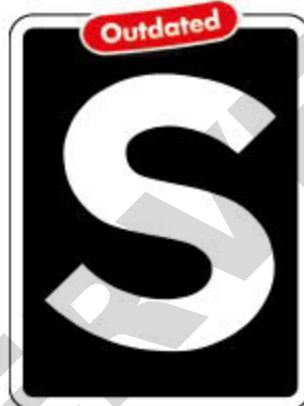
RFI 740 / 718

Indication sign for starting construction area



RFI 740 / 719

Indication sign for ending construction area



RFI 740 / 722

Sign for protection of working team in area



RFI 740 / 724

Sign for proximity of level crossing and interest spots



RFI 740 / 712

Sign for staff shelter area.



RFI 740 / 709

Identification sign for even rail track.



RFI 740 / 710

Identification sign for odd rail track.

## SUPPORTS AND BRACKETS FOR CONSTRUCTION AREAS SIGNS



Flat top end 10 mm thick.

Tip bottom end for easy installation.

RFI 740 / 718 P

Galvanized iron T-shaped support (thickness: 5 mm; dimensions: 30 x 30 x 2010 mm).



RFI 740 / 718 S

Galvanized iron square bracket (thickness: 4 mm; dimensions: 92 x 31,5 x 20 mm) for T type poles.



RFI 740 / 712 SIGNBOARD CAN ALSO BE INSTALLED WITH RFI 740 / 712 S OR RFI 740 / 712 D BRACKETS ON SQUARE-SHAPED RFI 740 / 716 SUPPORT, FEATURED ON PAGE 30.

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.





# IDENTIFICATION SIGNBOARDS AND SUPPORT STANDS FOR STOPS AND PLATFORM ENDING

Construction areas and railway installations signage

## IDENTIFICATION SIGNBOARDS FOR STOPS AND PLATFORM ENDING

### DIMENSIONS OF SIGNBOARDS FOR STOPS AND PLATFORM ENDING (MM)

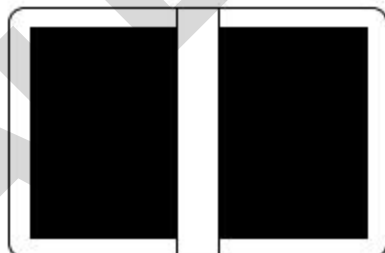
CODE	RFI 740 / 721	RFI 740 / 721 A	RFI 740 / 721 B
LENGHT X WIDTH	900 x 600	900 x 350	900 x 350
ALUMINUM THICKNESS	2,5	2,5	2,5



### MATERIALS



Board base is made of painted flat aluminum, with rail-type reinforcements provided with appropriate fastening systems for a simple and quick installation. On request, signboards can be supplied equipped with FS type connections for tapered M-type and LS / LSF poles, with painted aluminum brackets, stainless steel pins and cotters. Boards are made with certified RA1 class reflective film with normal light response.



**RFI 740 / 721**

Identification signboard for stops to be placed at platform ending.

 HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



**RFI 740 / 721 A**

Identification signboard for stops to be placed before RFI 740 / 721 signboard.



**RFI 740 / 721 B**

Identification signboard for stops to be placed before RFI 740 / 721 A signboard.

## SUPPORT STANDS AND BRACKETS FOR IDENTIFICATION SIGNBOARDS FOR STOPS AND PLATFORM ENDING



**CL560**

Galvanized iron collar (thickness: 4 mm) for Ø 60 mm circular poles with groove.



**RFI 740 / 712 S**

Galvanized iron square bracket (thickness: 4 mm; dimensions: 130 x 60 x 40 mm) for square section poles.



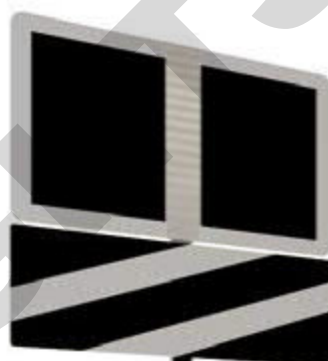
**RFI 740 / 712 D**

Galvanized iron square double bracket (thickness: 4 mm; dimensions: 130 x 120 x 40 mm) for square section poles.



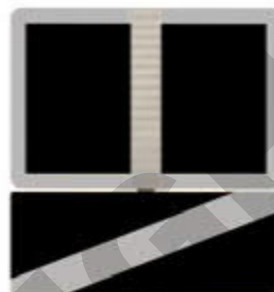
**RFI 740 / 716**

Galvanized iron square section pole (thickness: 3 mm; dimensions: 60 x 60 x 3500 mm).



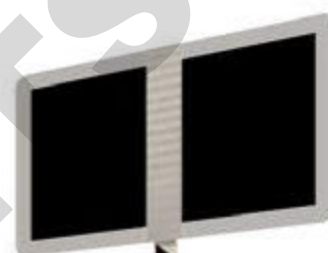
**RFI 740 / 716 P**

Iron square section pole with application of RA1 class reflective band with normal light response (thickness: 3 mm; dimensions: 60 x 60 x 3500 mm).



**RFI 740 / 716 PC**

Iron circular section pole with application of RA1 class reflective band with normal light response (thickness: 3 mm; dimensions: 60 x 3500 mm).







## DIGITS-HOLDER BOARD AND NUMBERS FOR KILOMETRIC BOARD ON STATION HOUSES

### BOARD DIMENSIONS (MM)

CODE	RFI 740 / 864
LENGHT X WIDTH	750 x 870
ALUMINUM THICKNESS	1,5

### BIG NUMBERS DIMENSIONS (MM)

CODE	RFI 740 / 865 - 873
LENGHT X WIDTH	240 x 420
RA1 class reflective adhesive film	

### SMALL NUMBERS DIMENSIONS (MM)

CODE	RFI 740 / 874 - 882
LENGHT X WIDTH	110 x 160
RA1 class reflective adhesive film	

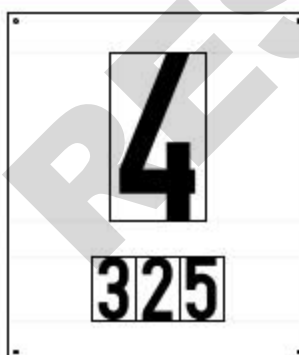
### MATERIALS

Digits-holder board is made of painted and perforated flat aluminum with application of certified RA1 class reflective film with normal light response. Digits are made of approved RA1 class reflective adhesive film. Available in single pieces or, on request (with all necessary indications), the complete board can be supplied with applied numbers as proposed in solutions A, B or C.

**HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.**



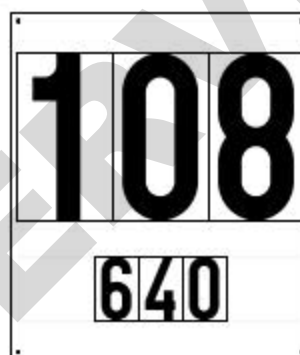
RFI 740 / 864



SOLUTION A (example)



SOLUTION B (example)



SOLUTION C (example)

### BIG NUMBERS FOR KILOMETRIC BOARDS ON STATION HOUSES



RFI 740 / 865



RFI 740 / 866



RFI 740 / 867



RFI 740 / 868



RFI 740 / 869



RFI 740 / 870



RFI 740 / 871



RFI 740 / 872



RFI 740 / 870



RFI 740 / 873

### SMALL NUMBERS FOR KILOMETRIC BOARDS ON STATION HOUSES



RFI 740 / 874



RFI 740 / 875



RFI 740 / 876



RFI 740 / 877



RFI 740 / 878



RFI 740 / 879



RFI 740 / 880



RFI 740 / 881



RFI 740 / 879



RFI 740 / 882





# MAXIMUM SPEED INDICATOR BOARDS FOR RAILWAY LINES

Construction areas and railway installations signage

## DIGITS-HOLDER AND SUBSIDIARY BOARDS FOR LINES MAXIMUM SPEED INDICATOR

### DIMENSIONS OF DIGITS-HOLDER AND SUBSIDIARY BOARDS FOR LINES MAXIMUM SPEED INDICATOR (MM)

CODE	RFI 740 / 799	RFI 740 / 800	RFI 740 / 801	RFI 740 / 802	RFI 740 / 770
LENGTH X WIDTH	980 x 780	980 x 560	980 x 560	980 x 560	980 x 560
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5

### MATERIALS

Digits-holder and subsidiary board base is made of painted flat aluminum, with railway reinforcements provided with appropriate fastening systems for a simple and quick installation. On request, boards can be supplied equipped with FS type connections for tapered M-type and LS / LSF poles, with painted aluminum brackets, stainless steel pins and cotters. All boards are painted with matt black.



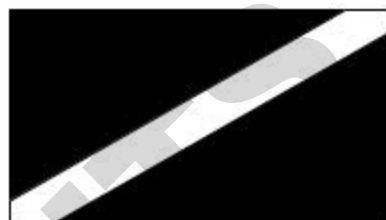
**RFI 740 / 799**

Digits-holder base for big numeric boards (A type).



**RFI 740 / 800**

Digits-holder base for small numeric boards (B and C type).



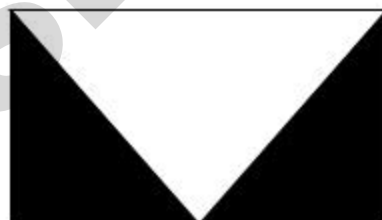
**RFI 740 / 801**

Second subsidiary indicator of speed reduction signboard.



**RFI 740 / 802**

First subsidiary indicator of speed reduction signboard.



**RFI 740 / 770**

Spot of speed variation Indicator signboard.





# MAXIMUM SPEED INDICATOR BOARDS FOR RAILWAY LINES

Construction areas and railway installations signage



## DIMENSIONS OF NUMERIC MAXIMUM SPEED INDICATOR SIGNBOARDS FOR RAILWAY LINES (MM)

CODE	RFI 740 / 751	RFI 740 / 752 - 750	RFI 740 / 761	RFI 740 / 762 - 760
LENGTH X WIDTH	125 x 650	320 x 650	100 x 430	270 x 430
ALUMINUM THICKNESS	1,5	1,5	1,5	1,5

## BIG A-TYPE NUMBERS FOR MAXIMUM SPEED INDICATOR BOARDS IN RAILWAY LINES



RFI 740 / 751



RFI 740 / 752



RFI 740 / 753



RFI 740 / 754



RFI 740 / 755



RFI 740 / 756



RFI 740 / 757



RFI 740 / 758



RFI 740 / 759



RFI 740 / 760

## SMALL B-TYPE AND C-TYPE NUMBERS FOR MAXIMUM SPEED INDICATOR BOARDS IN RAILWAY LINES



RFI 740 / 761



RFI 740 / 762



RFI 740 / 763



RFI 740 / 764



RFI 740 / 765



RFI 740 / 766



RFI 740 / 767



RFI 740 / 768



RFI 740 / 769



RFI 740 / 760

## SUPPORT STANDS AND BRACKETS FOR MAXIMUM SPEED INDICATOR SIGNBOARDS IN RAILWAY LINES



CLF90

Galvanized iron collar bracket (thickness: 3 mm; dimensions: Ø 90 x 20 mm) for circular section poles.



RFI 740 / 771

Galvanized iron tubular pole (thickness: 3mm; dimensions: Ø 90 x 5500 mm)

RFI 740 / 773

Galvanized iron tubular pole (thickness: 3mm; dimensions: Ø 90 x 4880 mm)

DIGITS-HOLDER BOARDS ARE MADE WITH PAINTED ALUMINUM SUPPORTS AND APPLICATION OF CERTIFIED RA1 CLASS REFLECTIVE FILM WITH NORMAL LIGHT RESPONSE. DIGITS-HOLDER BOARDS ARE SUPPLIED WITH PROPER FASTENING SYSTEM AND SCREWS HARDWARE FOR INSTALLATION.

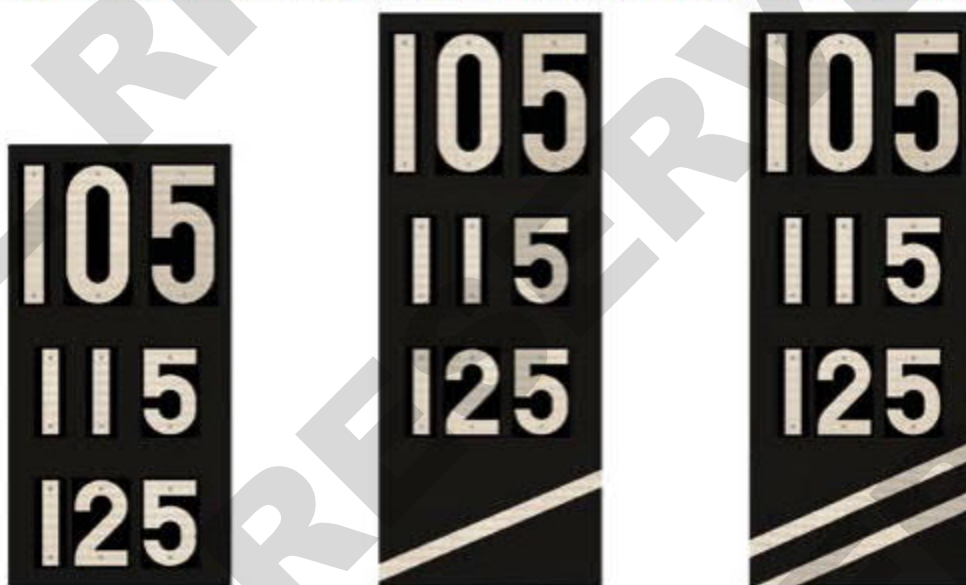




## MAXIMUM SPEED INDICATOR BOARDS FOR TUNNELS

Construction areas and railway installations signage

### MAXIMUM SPEED INDICATOR DIGITS-HOLDER AND SUBSIDIARY BOARDS FOR TUNNELS



#### DIMENSIONS OF DIGITS-HOLDER AND SUBSIDIARY BOARDS FOR TUNNELS MAXIMUM SPEED INDICATOR (MM) (MM)

CODE	RFI 740 / 805	RFI 740 / 806	RFI 740 / 807
LENGHT X WIDTH	680 x 1350	680 x 1750	680 x 1750
ALUMINUM THICKNESS	2,5	2,5	2,5

#### MATERIALS

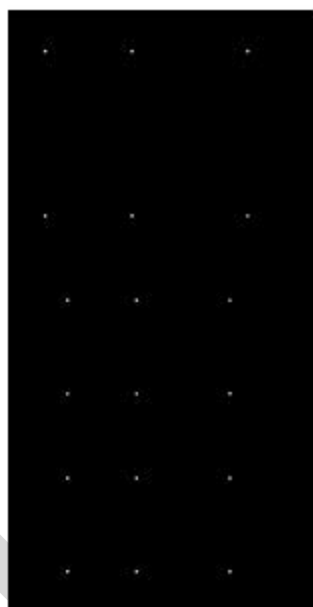
The base of digits-holder and subsidiary boards is made of painted flat aluminum with railway type reinforcements, provided with proper C-profile mounting brackets for an easy and quick installation on tunnel walls. All boards are painted with matt black.



HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



INDICATOR BANDS IN CERTIFIED R2 CLASS REFLECTIVE FILM WITH HIGH LUMINOUS RESPONSE.



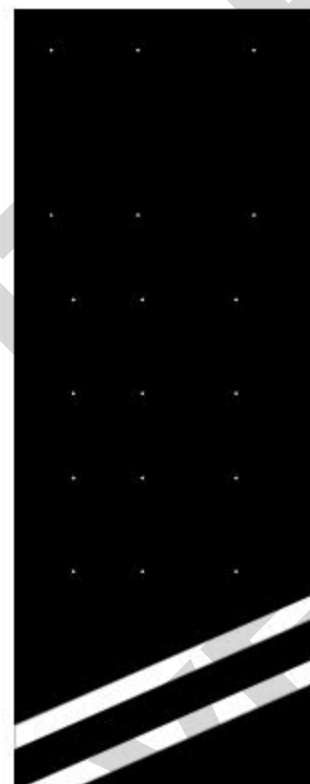
**RFI 740 / 805**

Speed indicator digits-holder board.



**RFI 740 / 806**

Second subsidiary speed indicator digits-holder board.



**RFI 740 / 807**

First subsidiary speed indicator digits-holder board.





## DIMENSIONS OF NUMERIC MAXIMUM SPEED INDICATOR SIGNBOARDS FOR TUNNELS (MM)

CODE	RFI 740 / 809	RFI 740 / 810 - 817	RFI 740 / 818	RFI 740 / 819 - 826
LENGTH X WIDTH	100 x 440	210 x 440	100 x 280	180 x 280
ALUMINUM THICKNESS	1,5	1,5	1,5	1,5

## BIG A-TYPE NUMBERS FOR MAXIMUM SPEED INDICATOR BOARDS IN TUNNELS



RFI 740 / 809



RFI 740 / 810



RFI 740 / 811



RFI 740 / 812



RFI 740 / 813



RFI 740 / 814



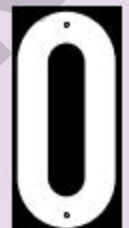
RFI 740 / 815



RFI 740 / 816



RFI 740 / 814



RFI 740 / 817

## SMALL B-TYPE AND C-TYPE NUMBERS FOR MAXIMUM SPEED INDICATOR BOARDS IN TUNNELS



RFI 740 / 818



RFI 740 / 819



RFI 740 / 820



RFI 740 / 821



RFI 740 / 822



RFI 740 / 823



RFI 740 / 824



RFI 740 / 825



RFI 740 / 823



RFI 740 / 826

## C-TYPE BRACKET FOR MAXIMUM SPEED INDICATOR BOARDS IN TUNNELS



RFI 740 / 808

Galvanized iron C-section bracket (thickness: 5 mm; C dimensions: 50 x 38 mm; length: 640 mm) for maximum speed indicator board fastening to tunnel walls.

THREE C-SECTION BRACKETS ARE REQUIRED FOR EACH MAXIMUM SPEED INDICATOR BOARD IN TUNNELS.



MORE PRODUCTS FOR TUNNELS AVAILABLE ON PAGE 57.



DIGITS-HOLDER BOARDS ARE MADE WITH PAINTED ALUMINUM BASE AND APPLICATION OF CERTIFIED R2 CLASS REFLECTIVE FILM WITH HIGH LUMINOUS RESPONSE. DIGITS-HOLDER BOARDS ARE SUPPLIED WITH PROPER FASTENING SYSTEM AND SCREWS HARDWARE FOR INSTALLATION ON TUNNEL WALLS.





## DOUBLE-SIDED KILOMETRIC PANEL FOR RAILWAY LINES

Construction areas and railway installations signage

### IRON FRAME AND VISIBILITY BOARD FOR RAILWAY LINES DOUBLE-SIDED KILOMETRIC PANEL

#### DIMENSIONS OF IRON FRAME AND VISIBILITY BOARD FOR RAILWAY LINES DOUBLE-SIDED KILOMETRIC PANEL (MM)

CODE	RFI 740 / 827	RFI 740 / 863	RFI 740 / 834 - 842	RFI 740 / 843 - 851	RFI 740 / 852 - 860
LENGTH X WIDTH	331,6 x 3250	225 x 900	225 x 300	225 x 180	225 x 180
DIGITS HEIGHT	-	-	240	150	120
ALUMINUM THICKNESS	-	2,5	1,5	1,5	1,5

#### MATERIALS

The frame of kilometric panel for railway lines is made of tubular Ø 48 mm, 2.6 mm thick, hot galvanized iron, folded and provided with suitable welded plates for installation of numerical boards. The horizontal reinforcement tube is welded to the supporting structure. The base of visibility and numerical boards is made of painted flat aluminum with application of approved R2 class reflective film with high luminous response. The boards are perforated to allow installation on the iron frame.

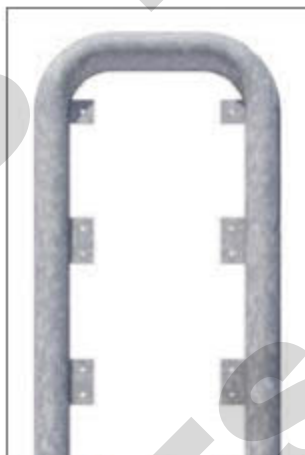
HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.

EVERY VISIBILITY BOARD FOR RAILWAY LINE'S KILOMETRIC PANEL IS DOUBLE-SIDED AND SUPPLIED WITH PROPER SCREWS HARDWARE FOR INSTALLATION ON IRON FRAME.

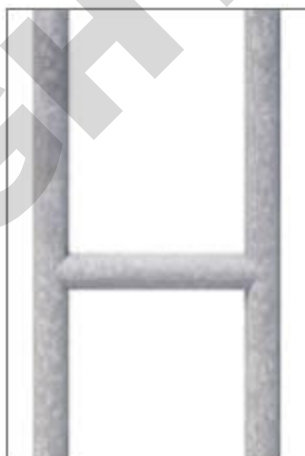


**RFI 740 / 827**

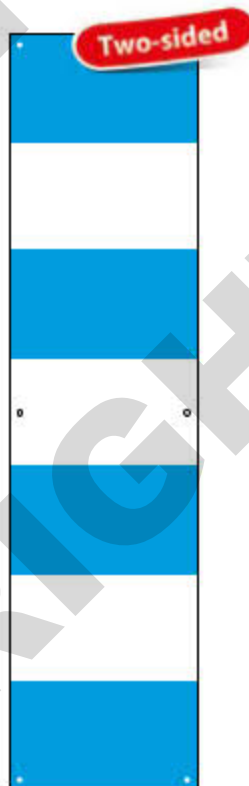
Ø 48 mm tubular frame in hot galvanized iron, folded and provided with welded plates for the installation of numerical boards.



Galvanized iron plates welded to the frame and perforated for boards attachment.



Galvanized iron reinforcement welded to the frame.



**RFI 740 / 863**

Double-sided visibility board for railway lines kilometric panel.







## NUMERICAL BOARDS FOR RAILWAY LINES DOUBLE-SIDED KILOMETRIC PANEL

### "UNITS" NUMERICAL BOARDS FOR RAILWAY LINES DOUBLE-SIDED KILOMETRIC PANEL



RFI 740 / 834



RFI 740 / 835



RFI 740 / 836



RFI 740 / 837



RFI 740 / 838



RFI 740 / 839



RFI 740 / 840



RFI 740 / 841



RFI 740 / 839



RFI 740 / 842

### "TENS" NUMERICAL BOARDS FOR RAILWAY LINES DOUBLE-SIDED KILOMETRIC PANEL



RFI 740 / 843



RFI 740 / 844



RFI 740 / 845



RFI 740 / 846



RFI 740 / 847



RFI 740 / 848



RFI 740 / 849



RFI 740 / 850



RFI 740 / 848



RFI 740 / 851

### "HUNDREDS" NUMERICAL BOARDS FOR RAILWAY LINES DOUBLE-SIDED KILOMETRIC PANEL



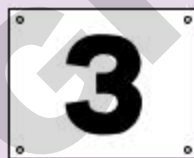
RFI 740 / 852



RFI 740 / 853



RFI 740 / 854



RFI 740 / 855



RFI 740 / 856



RFI 740 / 857



RFI 740 / 858



RFI 740 / 859



RFI 740 / 860



RFI 740 / 858

 NUMERICAL BOARDS, UNLESS OTHERWISE REQUESTED, ARE SUPPLIED IN PAIRS (IN ORDER TO BE APPLIED ON BOTH SIDES OF THE KILOMETRIC PANEL), WITH SUITABLE SCREWS HARDWARE FOR INSTALLATION ON THE IRON FRAME.





## FRAMES FOR WOOD OR CONCRETE KILOMETRIC PANELS

Construction areas and railway installations signage

### NUMERICAL BOARDS HOLDER FRAME FOR WOOD OR CONCRETE KILOMETRIC PANEL

#### DIMENSIONS OF NUMERICAL BOARDS HOLDER FRAME (MM)

**CODE** RFI 740 / 828

**LENGHT X WIDTH** 225 x 680

**IRON THICKNESS** 3

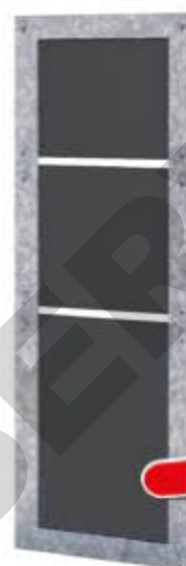
#### MATERIALS

The frames containing numerical and visibility boards for wood or concrete kilometric panels are made of hot galvanized iron and perforated for boards installation.

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



Front



Back

#### RFI 740 / 828

Galvanized iron frame containing numerical boards for wood or concrete kilometric panels.

NUMERICAL BOARDS ARE AVAILABLE ON PAGE 37. THEY ARE SUPPLIED WITH PROPER SCREWS HARDWARE FOR INSTALLATION ON FRAME FOR WOOD OR CONCRETE KILOMETRIC PANELS.

### VISIBILITY BOARDS HOLDER FRAME FOR WOOD OR CONCRETE KILOMETRIC PANEL

#### DIMENSIONS OF VISIBILITY BOARDS HOLDER FRAME (MM)

**CODE** RFI 740 / 829

**LENGHT X WIDTH** 225 x 900

**IRON THICKNESS** 3



Front



Back



#### RFI 740 / 829

Galvanized iron frame containing visibility board for wood or concrete kilometric panels.



One-sided

#### RFI 740 / 833

One-sided visibility board for wood or concrete kilometric panel.





## NUMERICAL BOARDS SUPPORTS FOR KILOMETRIC PANELS IN TUNNELS

## DIMENSIONS OF NUMERICAL BOARDS TUNNEL SUPPORTS (MM)

CODE	RFI 740 / 830	RFI 740 / 831	RFI 740 / 832
LENGHT X WIDTH	500 x 300	500 x 490	500 x 680
ALUMINUM THICKNESS	2,5	2,5	2,5

## MATERIALS

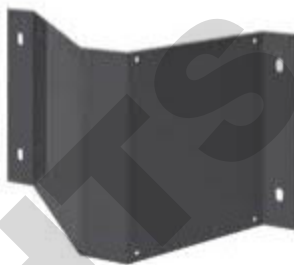
Numerical board base is made of painted flat aluminum, bent and perforated for boards installation and fastening to tunnel walls.



HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



NUMERICAL BOARDS ARE AVAILABLE ON PAGE 37: THEY ARE SUPPLIED WITH PROPER SCREWS HARDWARE FOR INSTALLATION ON SUPPORTS FOR TUNNELS KILOMETRIC PANELS.



## RFI 740 / 830

Numerical boards holder support for tunnel kilometeric panels: it allows the application of two "units" boards.



## RFI 740 / 831

Numerical boards holder support for tunnel kilometeric panels: it allows the application of two "units" and two "tens" boards.



## RFI 740 / 832

Numerical boards holder support for tunnel kilometeric panels: it allows the application of two "units", two "tens" and two "hundreds" boards.



MORE PRODUCTS FOR TUNNELS AVAILABLE ON PAGE 57.





## ROCK FALLS AREA SIGNBOARDS, IDENTIFICATION AND WARNING BOARDS

Construction areas and railway installations signage

### DIMENSIONS OF ROCK FALLS AREA SIGNBOARDS, IDENTIFICATION AND WARNING BOARDS (MM)

CODE	RFI LVA / 010	RFI LVA / 020	RFI 740 / 715	RFI 740 / 714 - 717	RFI 740 / 713 - RFI 740 / 883 A
LENGTH X WIDTH	1200 x 900	1200 x 900	900 x 300	450 x 600	600 x 450
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5

### MATERIALS

The boards are made of painted aluminum, with railway type reinforcements and application of certified RA1 class reflective film with normal light response. Digits for kilometeric indication are made with cutout certified RA1 class reflective film. Digits for speed and kilometeric indication of "RFI 740/713" and "RFI 740/883 A" are made with cutout non-reflective film applied to signboard surface. Proper fastening systems are provided for installation on the supports.



RFI 740 / 715

Board indicating uphill section peak for eventual thrust locomotives release.



RFI LVA / 010

Indication board for starting rock falls area.



RFI LVA / 020

Indication board for ending rock falls area.



RFI 740 / 883 A

Identification board for LC on in-service railway lines.



RFI 740 / 714

Identification board to be placed before bridges.



RFI 740 / 717

Indication board for stop alert to be placed before LC.



RFI 740 / 713

Warning board for reduced speed limit in storage yards and facility areas.

## SIGNBOARDS FOR SAFETY AND TRANSIT PROIBITION

### DIMENSIONS OF SIGNBOARDS FOR SAFETY AND TRANSIT PROIBITION (MM)

CODE	LENGTH X WIDTH	SIDE	ALUMINUM THICKNESS
RFI 740 / 861	-	350	0,5
RFI 740 / 862	-	560	0,7
RFI 740 / 803	-	560	0,7
RFI 740 / 804 A	120 x 180	-	0,5
RFI 740 / 804 B	200 x 300	-	0,5
RFI 740 / 804 C	333 x 500	-	0,7
RFI 740 / 804 D	500 x 700	-	1
RFI 740 / 804 E	800 x 1200	-	1

MORE SAFETY SIGNS  
AVAILABLE FROM PAGE 70.



RFI 740 / 804 A B C D E



RFI 740 / 861



RFI 740 / 862

ON REQUEST,  
THE SIGNALS CAN  
BE SUPPLIED AS  
ADHESIVE FILM  
STICKERS. ASK FOR  
PRICE QUOTATION.



RFI 740 / 803





## STATIONING LIMIT CROSSBAR

## MATERIALS

Crossbar barrel made of white plastic PVC, extremely light and easy to handle. Two white painted steel lockers are placed at the ends. Attachment to rail tracks is allowed by the threaded pins system. The pins are made with PA + FV plastic bases (glass fiber reinforced nylon) with anti-vibration reinforced rubber mats. The sphere system makes the plastic base articulated and perfectly adherent to inclined rails. The threaded pins allow the suspended above ground installation of the crossbar between the two tracks. The anti-vibration pins system allows the crossbar to work even in high stress conditions due to vibrations for trains transition.

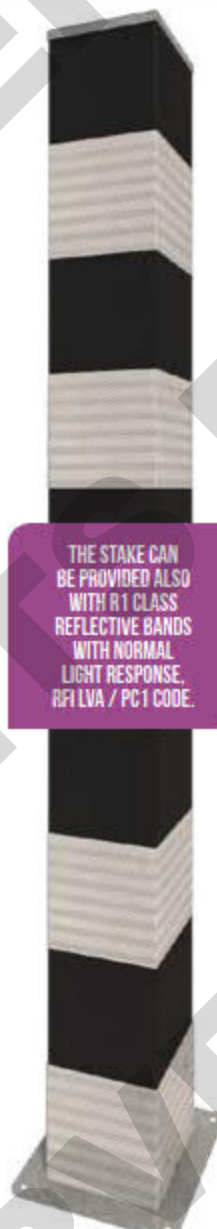


**RFI LVA / TSL**  
Stationing limit crossbar.

## MANEUVERING LIMIT STAKE

## MATERIALS

Barrel made of black plastic PVC with application of certified R2 class reflective film with high luminous response. The galvanized steel base allows a stable anchorage to the floor or to the concrete blocks thanks to the perforated plate. There are internal openings to drain accumulated liquids for possible infiltrations. Upper galvanized steel cover tip covered with R2 class reflective film with high luminous response.



THE STAKE CAN  
BE PROVIDED ALSO  
WITH R1 CLASS  
REFLECTIVE BANDS  
WITH NORMAL  
LIGHT RESPONSE,  
RFI LVA / PC1 CODE.

**RFI LVA / PC2**  
Maneuvering limit stake.

## MANDATORY DISC FOR ENDING PLATFORM BUMPER

## MATERIALS

The disc base is made of painted boxed aluminum or painted boxed metal sheet, with road-type connections and application of certified RA1 class film with normal light response or R2 class with high luminous response. Red center is silk-screen printed. Supplied with appropriate stainless steel tape systems and suitable clips for installation on railway tracks ending bumpers. On request, the disc can be made of flat aluminum with application of certified RA1 class film with normal light response or R2 class with high luminous response.



**RFI LVD / FLR**  
Ø 40 cm disc with boxed metal sheet base and RA1 class reflective film.



**RFI LVD / FAR**  
Ø 40 cm disc with boxed aluminum base and RA1 class reflective film.



**RFI LVD / PAR**  
Ø 40 cm disc with flat aluminum base and RA1 class reflective film.



**RFI LVD / FLH**  
Ø 40 cm disc with boxed metal sheet base and R2 class reflective film.



**RFI LVD / FAH**  
Ø 40 cm disc with boxed aluminum base and R2 class reflective film.



**RFI LVD / PAH**  
Ø 40 cm disc with flat aluminum base and R2 class reflective film.



FASTENING SYSTEMS WITH TAPES,  
STEEL CLAMPS AND ACCESSORIES  
AVAILABLE ON PAGE 12.





# FOUR-SIDED SIGNBOARD, COLUMNS KIT AND VARIOUS SIGNS KIT

Construction areas and railway installations signage

## ASSEMBLY POINT



### FOUR-SIDED SIGNBOARD

Preassembled four-sided sign made of aluminum 7/10 with bracket for Ø 60 mm pole.

- 1 **CUE20153** - "Assembly point" sign with writing, dimensions 400 x 500 mm.
- 2 **CUBOKITRF102** - "Assembly point" sign without writing, dimensions 400 x 400 mm.

### 3 BRACKETS FOR BOXED BOARDS

Bracket kit with screws hardware to fasten 4 boxed boards [A], from catalogue or customized (on request); maximum width: 400 mm.

- CUEKIT48** - kit staffe con bulloneria per palo da Ø mm 48
- CUEKIT60** - kit staffe con bulloneria per palo da Ø mm 60



### 4 COLUMNS KIT

Kit including:

- 1 **base** triangular shape, in moplen-concrete, 3 Kg weight (code CN92)
- 1 **stake** white/red color, 90 cm long (code CN113)
- **pair of rings** spiral-shaped, dimensions 8 x 29 x 49 mm (code AGK1055)

To complete the kit, the moplen plastic chain must be ordered separately, according to your needs (on page 125).

**KITRF103** - base kit + column + rings (chain excluded)



### 5 SELF-SUPPORTING KIT WITH DISC

Kit including:

- **base** Ø 50 cm, painted iron (code BAC4)
- **pole** Ø 48 mm, galvanized iron, 1,2 m long (code STC412)
- **3 collars** galvanized iron maden (code CLS48)
- **6 bolts** galvanized iron maden
- **1 disc** Ø 40 cm, boxed metal sheet, class 1 film
- **1 supplementary panel** 40 x 20 cm, boxed metal sheet, class 1 film

**KITRF101D** - circular sign kit



### 6 SELF-SUPPORTING KIT WITH TRIANGLE

Kit including:

- **base** Ø 50 cm, painted iron (code BAC4)
- **pole** Ø 48 mm, galvanized iron, 1,2 m long (code STC412)
- **2 collars** galvanized iron maden (code CLS48)
- **4 bolts** galvanized iron maden
- **1 triangle** 60 cm side, boxed metal sheet, class 1 film

**KITRF101T** - triangular sign kit

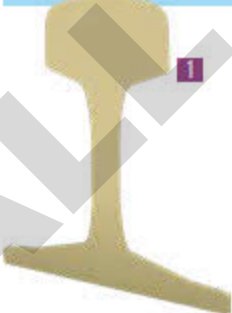




## THICKNESS OF ISOLATORS FOR RAILS

CODE	2	3	4	5	6
THICKNESS (MM)	2	3	4	5	6

WHEN ORDERING, PLEASE ADD DESIRED THICKNESS AFTER THE CODE (EXAMPLE: RFLVA / ISL 60E1 - 3).



1



2



3

## ISOLATORS FOR RAILS

- 1 RFLVA / ISL 60E1 - plastic isolator for rails 60E1
- 2 RFLVA / ISL 50E1 - plastic isolator for rails 50E1
- 3 RFLVA / ISL 46E1 - plastic isolator for rails 46E1



NEW

4

## 4 SCOTCH

Scotch made of solid wood and steel with adjustable signaling flag, dimensions 900 x 250 x 80 mm, internal width base 72 mm, weight 3.3 kg

RFL1126 - scotch



5

NEW

## 5 ALERT BOARD

Alert board for train tail, made of aluminum, white painted, with white/red stripes high visibility film. Equipped with train connection and bracket for solebar connection.

RFL1043 - alert board, dimensions 400 x 300 mm



6

NEW

## 6 TRAIN TAIL LIGHT

Removable headlight made of black composite material (on the back) and front cover with white / red stripes, steel transport handle with quick coupling. Red LED lighting (87), class 2 UNI 92 96, protection class IP 66.

RFL1040 - removable headlight, 7,5 kg weight (including battery)

RFL1041 - not rechargeable 13.5 V battery



7

NEW

## 7 TRIPLE CARRIAGE OPENER

RFL032/394 - triple flexible carriage opener, 150 g weight



8

NEW

## 8 WHISTLE

OSF548 - spiral metal whistle, with ring for string application

## 9 POCKET SIGNALING LANTERN

Portable battery (not included) signaling lantern, with white light and red / green sliding filters, ON / OFF switcher, Morse. Equipped with a practical string that allows a secure grip during use and the possibility to attach it to the belt.

RFL0392 - signaling lantern, dimensions 70 x 115 mm, 0,3 Kg weight (including battery).

RFL0210 - not rechargeable 4,5 V battery



9

NEW



## 10 BILUX LAMP

Lamp for signaling man presence. Compact, with ergonomic handle and bayonet lock for quick replacement of 4 LR20 batteries (not included).

RFL506 / 570 - lamp with 2 red / white fixed LED lights



10

NEW

## 11 "ICE ALERT" TEMPERATURE INDICATION

To be applied on personalized signs. Perfect for notifying outside temperature lowering, in order to alert about possible road slippery due to the ice. Application examples: parking lots, railway stations, bus stops, depots, airports. The indicator is retro-reflective if the temperature is above 2 °C, turns to blue if the temperature gets below 2 °C. When it reaches 0 °C, the indicator turns completely blue. It works without electricity and requires no maintenance.

11



CONTACT US FOR A PRICE QUOTE.







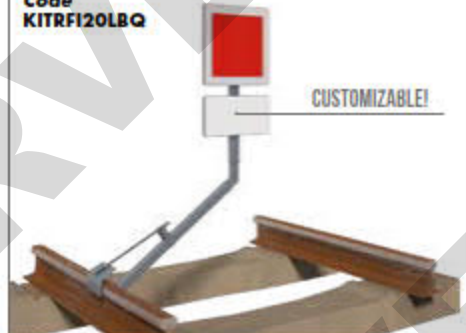
## TEMPORARY INTERRUPTION SIGNAL FOR TRACK CENTER

Construction areas and railway installations signage

### TEMPORARY INTERRUPTION SIGNAL FOR TRACK CENTER

- Support for positioning signs at the center of the track, galvanized iron maiden, composed by three modular elements with mechanical anchorage to the rail.
- Angular central profile with possible vertical or horizontal orientation of terminal section.
- Holes are made on profiles to extend or reduce the length of the support.
- The inside rail support plate is equipped with a magnetic system to guarantee greater resistance in response to stress and vibrations.
- Kit solution including chain and lock to prevent unauthorized removal.
- Hook for luminous lamp attachment.
- Installation of different signs available: flat, boxed base, for standard shapes (disk, triangle, square) and supplementary panel.
- Support and sign are supplied with fastening hardware and connections.
- The kit is supplied in a comfortable nylon bag, which allows easy transport and storage when the signal is not used.

Code  
KITRFI20LBQ



CUSTOMIZABLE!

Code  
KITRFI20LBD



CUSTOMIZABLE!

Code  
KITRFI20LBT



CUSTOMIZABLE!



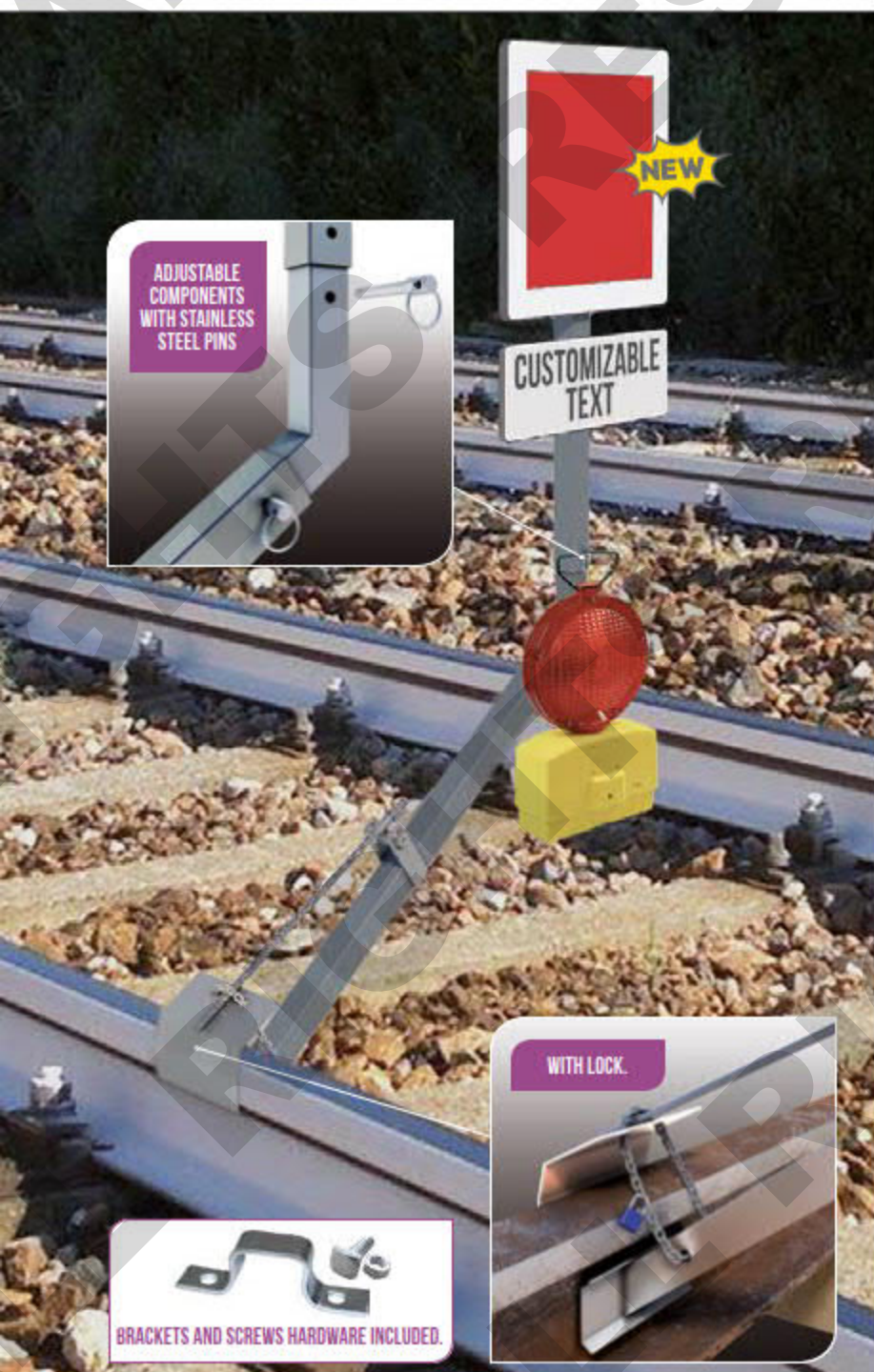
COMFORTABLE NYLON BAG FOR EASY TRANSPORT.



BORSA SAGOMATA  
SECONDO LA FORMA  
DEL CARTELLA  
RICHIESTO CON  
VELCRO PER  
FISSAGGIO AL  
BORSONE.



LAMPADA E BATTERIE  
INCLUDE.



ADJUSTABLE  
COMPONENTS  
WITH STAINLESS  
STEEL PINS

CUSTOMIZABLE  
TEXT

WITH LOCK.

BRACKETS AND SCREWS HARDWARE INCLUDED.

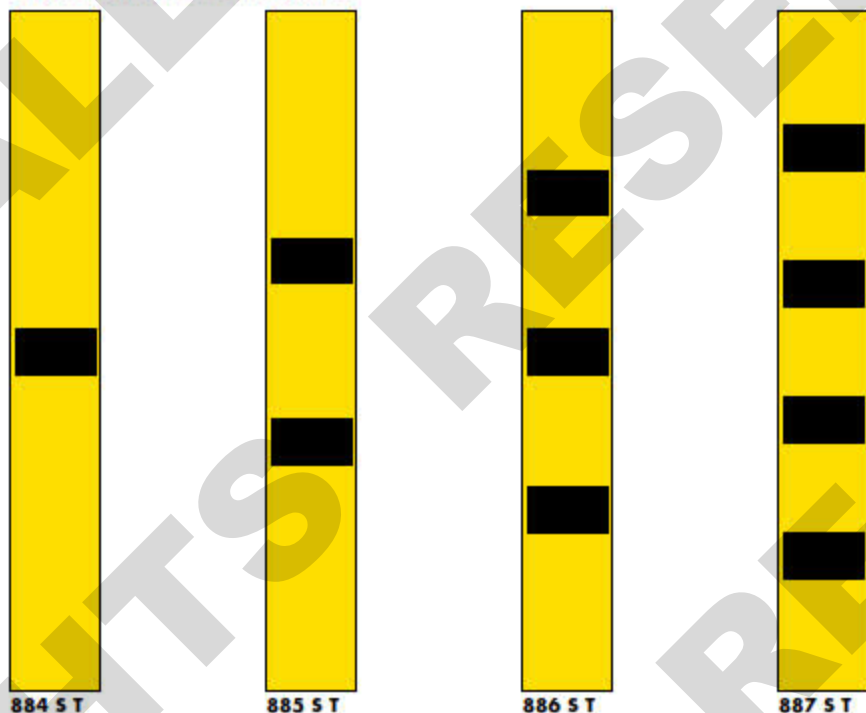




## DIMENSIONS OF SLOWING DOWN ORIENTATION SIGNBOARDS FOR RAILWAY LINES AND TUNNELS (MM)

CODE	RFI 740 / 884 - 887	RFI 740 / 884 A - 887 A	RFI 740 / 884 B - 887 B
LENGHT X WIDTH	200 x 1500	120 x 850	120 x 470
ALUMINUM THICKNESS	2,5	2,5	2,5

## SLOWING DOWN ORIENTATION SIGNBOARDS



Code RFI 740 / ...

## MATERIALS

Orientation boards bases are made of bent painted aluminum, with road-style brackets: appropriate fastening systems are provided for a quick and easy installation on the support. The boards are made with certified R2 class reflective film with high luminous response.

**i** THE ORIENTATION SIGNBOARDS CAN BE INSTALLED ON WOODEN SUPPORTS OR ON CONSTRUCTION BOARDS SUPPORTS. MORE INFORMATION ON PAGES 29 AND 30.

**!** THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF SUPPORT WHICH CAN BE PURCHASED WITH THE SIGNBOARD.  
ABBREVIATION S = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS, SUPPLIED WITH COLLARS FOR CIRCULAR POLES.  
ABBREVIATION T = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS, SUPPLIED WITH BRACKET FOR USE WITH STEEL STRIP.

## REDUCED ORIENTATION SIGNBOARDS (MEDIUM)



Code RFI 740 / ...

## REDUCED ORIENTATION SIGNBOARDS (SHORT)



Code RFI 740 / ...



## SLOWING DOWN SIGNALS FOR RAILWAY LINE



Slowing down awareness



slowing down aw for short distances



Slowing down start awareness



Slowing down end awareness





# NUMERICAL AND DIGITS-HOLDER BOARDS FOR SLOWING DOWN SIGNALS IN RAILWAY LINES AND TUNNELS

Construction areas and railway installations signage

## DIMENSIONS OF NUMERICAL BOARDS FOR SLOWING DOWN SIGNALS IN RAILWAY LINES AND TUNNELS (MM)

CODE	RFI 740 / 733 - 742	RFI 740 / 786 - 795
LENGTH X WIDTH	153 x 310	115 x 308
ALUMINUM THICKNESS	1	1

## MATERIALS

Numerical boards are made of white painted 1 mm thick aluminum with application of certified RA1 class reflective film with normal light response.

## NUMERICAL BOARDS FOR SLOWING DOWN SIGNALS IN RAILWAY LINES

0

RFI 740 / 733

1

RFI 740 / 734

2

RFI 740 / 735

3

RFI 740 / 736

4

RFI 740 / 737

5

RFI 740 / 738

6

RFI 740 / 739

7

RFI 740 / 740

8

RFI 740 / 741

9

RFI 740 / 742

## NUMERICAL BOARDS FOR SLOWING DOWN SIGNALS IN TUNNELS

0

RFI 740 / 786

1

RFI 740 / 787

2

RFI 740 / 788

3

RFI 740 / 789

4

RFI 740 / 790

5

RFI 740 / 791

6

RFI 740 / 792

7

RFI 740 / 793

8

RFI 740 / 794

9

RFI 740 / 795



### RFI 740 / 711

Directional arrow for slowdown awareness signals in railway lines. Made of 3 mm thick aluminum with application of certified RA1 class reflective film with normal light response, dimensions 580 x 210 mm.



### RFI 740 / 711 S

Support for directional arrow for slow down awareness signals in railway lines. Aluminum made, with a thickness of 3 mm, painted in black, dimensions 100 x 650 mm.



### RFI 740 / 775

Digits-holding boards to be applied under the slowdown signals in railway lines. 2 mm thick aluminum, white painted on the front and black painted on the back, dimensions 320 x 480 mm.



### RFI 740 / 783

Digits-holding boards to be applied under the slowdown signals in tunnels. Black painted 2,5 mm thick aluminum, with application of strips in certified RA1 class film with normal light response. Dimensions 357 x 310 mm.



SLOWING DOWN  
SIGNAL  
EXCLUDED

### RFI 740 / 784

45 x 45 mm square section support for tunnel slowdown signals with rail fixing brackets, in aluminum with application of yellow strips in certified RA1 class film with normal light response. Equipped with suitable brackets for connection to the rail. Overall dimensions 1330 x 1310 mm.



HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



NUMERICAL BOARDS HAVE RA1 CLASS REFLECTIVE FILM





## DIMENSIONS OF BOARDS (MM)

CODE	RFI SIA / 010 - 060	RFI SIB / 010 - 020
SIDE	500	600
ALUMINUM THICKNESS	2,5	2,5

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.

## MATERIALS

The diamond shaped signboards are made of painted aluminum boxed boards with rail or road type connections with application of certified RA1 class reflective film with normal light response. Triangular signboards are provided with brackets welded to the back and are made with approved RA1 class reflective film with normal light response.

## SIGNS FOR CODED CURRENTS' AUTOMATIC LOCK IN RAILWAY LINES



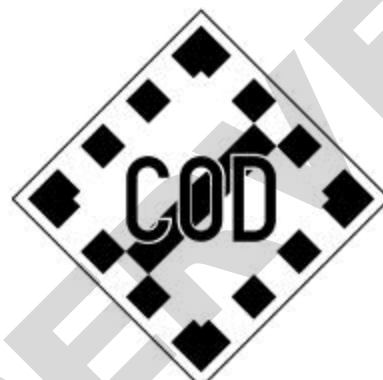
**RFI SIA / 010 SF SS ST**

Awareness signboard for coded zone starting.



**RFI SIA / 020 SF SS ST**

Signboard for coded zone starting.



**RFI SIA / 030 SF SS ST**

Awareness signboard for coded zone ending.



**RFI SIA / 040 SF SS ST**

Signboard for coded zone ending.



**RFI SIA / 050 SF SS ST**

Awareness signboard for uncoded zone starting.



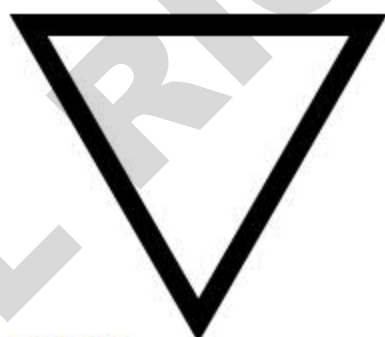
**RFI SIA / 060 SF SS ST**

Awareness signboard for uncoded zone ending.



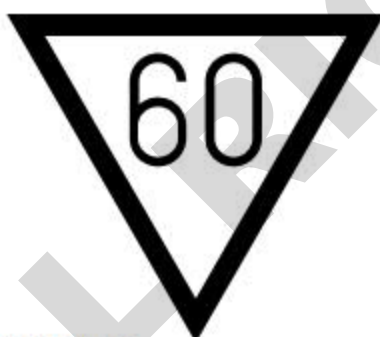
THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE WITH:  
 ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI SIA / 010 SF). SEE PAGE 11, DIAGRAM 01.  
 ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI SIA / 030 SS). SEE PAGE 11, DIAGRAM 03.  
 ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BOND (EXAMPLE: RFI SIA / 050 ST). SEE PAGE 11, DIAGRAM 04.

## SPEED LIMIT TRIANGULAR SIGNBOARDS FOR STARTING SIGNALS



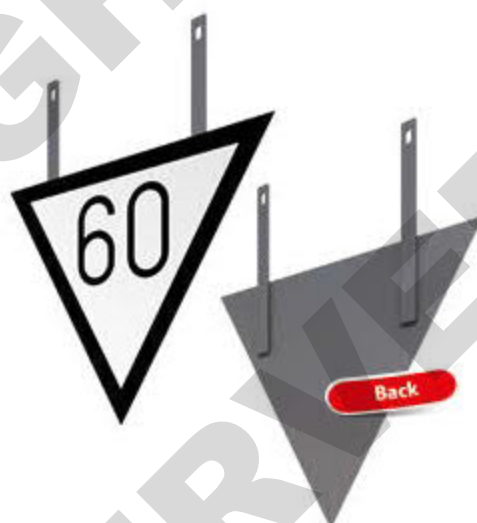
**RFI SIB / 010**

30 km/h speed limit signboard.



**RFI SIB / 020**

60 km/h speed limit signboard.



Back





## PROTECTION AND DEPARTURES SIGNBOARDS

Signalling installations signage

### DIMENSIONS OF LEGAL PROTECTION SIGNBOARDS (MM)

CODE	RFI SIC / 010	RFI SIC / 020	RFI SIC / 030	RFI SIC / 040	RFI SIC / 050
LENGTH X WIDTH	500 x 440	300 x 260	500 x 600	500 x 600	500 x 600
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5

km 285+300  
**135**

RFI SIC / 010 SF SS ST

Protection signboard with kilometeric progression for legal type station.

km 120+698  
**267**

RFI SIC / 020 SF SS ST

Reduced protection signboard with kilometeric progression for legal type station.

km 118+523  
**243**  
bis

RFI SIC / 030 SF SS ST

Repeated protection signboard with kilometeric progression for legal type station.

**215**  
PL

RFI SIC / 040 SF SS ST

Protection signboard for single legal level crossing.

**159**  
2PL

RFI SIC / 050 SF SS ST

Protection signboard for consecutive legal level crossings.

### DIMENSIONS OF ILLEGAL PROTECTION SIGNBOARDS (MM)

CODE	RFI SID / 010	RFI SID / 020	RFI SID / 030	RFI SID / 040	RFI SID / 050
LENGTH X WIDTH	600 x 440	360 x 260	600 x 600	600 x 600	600 x 600
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5

km 285+300  
**135d**

RFI SID / 010 SF SS ST

Protection signboard with kilometeric progression for illegal type station.

km 120+698  
**267d**

RFI SID / 020 SF SS ST

Reduced protection signboard with kilometeric progression for illegal type station.

km 118+523  
**243d**  
bis

RFI SID / 030 SF SS ST

Repeated protection signboard with kilometeric progression for illegal type station.

**215d**  
PL

RFI SID / 040 SF SS ST

Protection signboard for single illegal level crossing.

**159d**  
2PL

RFI SID / 050 SF SS ST

Protection signboard for consecutive illegal level crossings.

### DIMENSIONS OF PROTECTION AND DEPARTURES SIGNBOARDS (MM)

CODE	RFI SIG / 010 - 510	RFI SIH / 010 - 510	RFI SIG / 050	RFI SIH / 050
LENGTH X WIDTH	500 x 320	600 x 320	500 x 440	600 x 440
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5

**253**

RFI SIG / 010 SF SS ST

Departure signboard for legal type station.

**NEW**  
**148**

RFI SIG / 510 SF SS ST

Protection signboard for legal type station.

**NEW**  
**313d**

RFI SIH / 510 SF SS ST

Protection signboard for illegal type station.

#### MATERIALS

Signboards are made of painted aluminum boxed boards with rail or road type connections with application of certified RA1 class reflective film with normal light response.

**276d**

RFI SIH / 010 SF SS ST

Departure signboard for illegal type station.

**NEW**  
**124**  
bis

RFI SIG / 050 SF SS ST

Repeated departure signboard for legal type station.

**NEW**  
**239d**  
bis

RFI SIH / 050 SF SS ST

Repeated departure signboard for illegal type station.

THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF.  
ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI SIC / 010 SF). SEE PAGE 11, DIAGRAM 01.  
ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI SID / 030 SS). SEE PAGE 11, DIAGRAM 03.  
ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND (EXAMPLE: RFI SIG / 010 ST). SEE PAGE 11, DIAGRAM 04.





## DIMENSIONS OF LEGAL PERMISSION SIGNBOARDS (MM)

CODE	RFI SIE / 010	RFI SIE / 020	RFI SIE / 030	RFI SIE / 040	RFI SIE / 050
LENGTH X WIDTH	500 x 600	300 x 360	500 x 900	500 x 900	500 x 900
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5



RFI SIE / 010 SF SS ST

Permission signboard with kilometric progression for legal type stations.



RFI SIE / 020 SF SS ST

Reduced permission signboard with kilometric progression for legal type stations.



RFI SIE / 030 SF SS ST

Repeated permission signboard with kilometric progression for legal type stations.



RFI SIE / 040 SF SS ST

Permission signboard with kilometric progression for legal level crossing.



RFI SIE / 050 SF SS ST

Permission signboard with kilometric progression for consecutive legal level crossings.

## DIMENSIONS OF ILLEGAL PERMISSION SIGNBOARDS (MM)

CODE	RFI SIF / 010	RFI SIF / 020	RFI SIF / 030	RFI SIF / 040	RFI SIF / 050
LENGTH X WIDTH	600 x 600	360 x 360	600 x 900	600 x 900	600 x 900
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5



RFI SIF / 010 SF SS ST

Permission signboard with kilometric progression for illegal type stations.



RFI SIF / 020 SF SS ST

Reduced permission signboard with kilometric progression for illegal type stations.



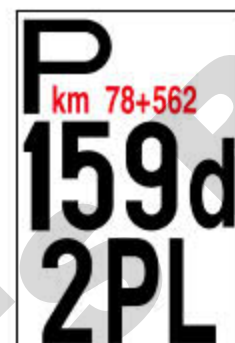
RFI SIF / 030 SF SS ST

Repeated permission signboard with kilometric progression for illegal type stations.



RFI SIF / 040 SF SS ST

Permission signboard with kilometric progression for illegal level crossing.



RFI SIF / 050 SF SS ST

Permission signboard with kilometric progression for consecutive illegal level crossings.

## DIMENSIONS OF IDENTIFICATION AND CLASSIFICATION SIGNBOARDS (MM)

CODE	RFI SIM / 010	RFI SIN / 090	RFI SIO / 010
LENGTH X WIDTH	500 x 400	600 x 400	500 x 440
ALUMINUM THICKNESS	2,5	2,5	2,5

## MATERIALS

Signboards are made of painted aluminum boxed boards with rail or road type connections with application of certified RA1 class reflective film with normal light response.



RFI SIM / 010 SF SS ST

Identification signboard for departure route ending.



RFI SIN / 090 SF SS ST

Identification signboard for railway line.



RFI SIO / 010 SF SS ST

Classification signboard for intermediate block.

THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF.  
ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI SIF / 010 SF). SEE PAGE 11, DIAGRAM 01.  
ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI SIM / 010 SS). SEE PAGE 11, DIAGRAM 03.  
ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND (EXAMPLE: RFI SIO / 010 ST). SEE PAGE 11, DIAGRAM 04.





## CLASSIFICATION SIGNBOARDS FOR LOCATIONS

Signalling installations signage

### CLASSIFICATION SIGNBOARDS FOR LOCATIONS WITH MULTIPLE DEPARTURE SIGNALLING

#### DIMENSIONS OF DEPARTURES AND PROTECTION CLASSIFICATION SIGNBOARDS (MM)



CODE	RFI SIQ / 010 - 040	RFI SIR / 010 - 040
LENGTH X WIDTH	450 x 450	450 x 450
ALUMINUM THICKNESS	2,5	2,5



SIGNBOARDS ARE MADE OF PAINTED ALUMINUM BOXED BOARDS WITH APPLICATION OF CERTIFIED RA1 CLASS REFLECTIVE FILM WITH NORMAL LIGHT RESPONSE. THE DIGITS FOR MULTIPLE SIGNALLING ARE MADE WITH APPLICATION OF PVC ADHESIVE, NON REFLECTIVE FILM.



RFI SIQ / 010 SF SS ST

Classification signboard for single internal departure signal.



RFI SIQ / 020 SF SS ST

Classification signboard for multiple internal departure signal.



RFI SIQ / 030 SF SS ST

Classification signboard for single external departure signal.



RFI SIQ / 040 SF SS ST

Classification signboard for multiple external departure signal.

### CLASSIFICATION SIGNBOARDS FOR LOCATIONS WITH MULTIPLE PROTECTION SIGNALING



RFI SIR / 010 SF SS ST

Warning signboard for single internal protection signal.



RFI SIR / 020 SF SS ST

Warning signboard for multiple internal protection signal.



RFI SIR / 030 SF SS ST

Warning signboard for single external protection signal.



RFI SIR / 040 SF SS ST

Warning signboard for multiple external protection signal.



THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF.

ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI SIQ / 030 SF). SEE PAGE 11, DIAGRAM 01.

ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI SIR / 020 SS). SEE PAGE 11, DIAGRAM 03.

ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND (EXAMPLE: RFI SIR / 100 ST). SEE PAGE 11, DIAGRAM 04.

#### DIMENSIONS OF SIGNBOARDS FOR NOT OVERTAKING, REPEATING DEPARTURE SIGNAL, SCMT AND MANEUVERING STOP LIMIT (MM)



CODE	RFI SIS / 100 - 200	RFI SIS / 010	RFI SIS / 050
LENGTH X WIDTH	500 x 500	500 x 320	500 x 320
ALUMINUM THICKNESS	2,5	2,5	2,5

#### MATERIALS



Signboards are made of painted aluminum boxed boards, with rail or road type connections, with application of certified R2 class reflective film with high luminous response.

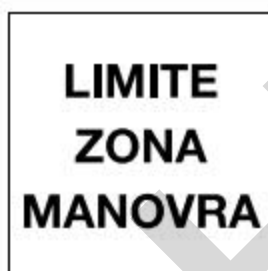


HIGH RESISTANCE AND DURABILITY OF MATERIALS (SEE ON PAGE 10).



RFI SIS / 100 SF SS ST

Stop limit signboard for trains with SCMT train gear control system.



RFI SIS / 200 SF SS ST

Stop limit signboard for maneuvering area.



RFI SIS / 010 SF SS ST

Warning signboard for not overtaking the signal.



RFI SIS / 050 SF SS ST

Classification signboard for repeating departure signal.





## DIMENSIONS OF PROTECTION SIGNBOARDS WITH KILOMETRIC PROGRESSION FOR STOPPING AND CENTRALIZED AREA ENDING (MM)

CODE	RFI SIT / 010	RFI SIT / 050	RFI SIP / 010	RFI SIP / 090
LENGTH X WIDTH	600 x 600	600 x 600	600 x 400	900 x 600
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5

### MATERIALS

Signboards are made of painted aluminum boxed boards, with rail or road type connections, with application of certified R2 class reflective film with high luminous response.

## PROTECTION SIGNBOARDS WITH KILOMETRIC PROGRESSION FOR LEVEL CROSSINGS

**PROT**  
**km 39+158**  
**PLL**

RFI SIT / 010 SF SS ST

Protection signboard with kilometeric progression for single level crossing.

**PROT**  
**km 43+826**  
**2PLL**

RFI SIT / 050 SF SS ST

Protection signboard with kilometeric progression for consecutive level crossing.

## SIGNBOARDS FOR STOPPING AND CENTRALIZED AREA ENDING

**STOP**  
**CON SEGNALE**  
**ROSSO**

RFI SIP / 010 SF SS ST

Signboard for stop with red signal.

**NEW**  
**FINE ZONA**  
**CENTRALIZZATA**  
**Vmax 6 km/h**

RFI SIP / 090 SF SS ST

Centralized zone ending signboard with maximum speed limit indication.

THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF:  
ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI SIT / 010 SF). SEE PAGE 11, DIAGRAM 01.  
ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI SIP / 090 SS). SEE PAGE 11, DIAGRAM 03.  
ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND (EXAMPLE: RFI 857 / 106 ST). SEE PAGE 11, DIAGRAM 04.

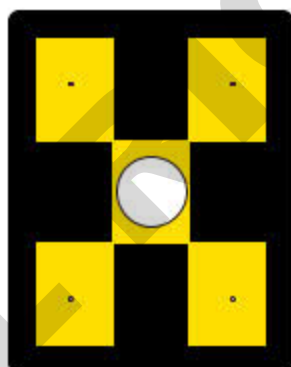
## DIMENSIONS OF SIGNBOARDS FOR TRAIN-SIDE LEVEL CROSSING (MM)

CODE	RFI 857 / 104	RFI 857 / 106	RFI 857 / 106 X	RFI 857 / 105
LENGTH X WIDTH	700 x 895	Lato 900	800 x 270	295 x 2000
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5

### MATERIALS

Signboards are made of painted aluminum boxed boards, with rail or road type connections, with application of certified R2 class reflective film with high luminous response.

THE DIGITS FOR LEVEL CROSSING IDENTIFICATION BOARD ARE MADE WITH APPLICATION OF PVC ADHESIVE FILM.



RFI 857 / 104

Focus board for train-side level crossing signal.



RFI 857 / 106 SF SS ST

Triangular focus board for train-side level crossing signal.



RFI 857 / 106 X SF SS ST

Classification plate for triangular focus board for train-side level crossing signal.



RFI 857 / 105 F S T

Orientation board for train-side level crossing signal.





# SIGNBOARDS FOR LEVELCROSSING IDENTIFICATION AND PLATFORM CLASSIFICATION

Signalling installations signage

## IDENTIFICATION BOARD FOR PROTECTED LEVEL CROSSINGS



RFI 857 / 070 SF SS ST

Identification board for protected level crossings.

550 x 550 mm - R2 class

THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF.  
ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI 857 / 070 SF). SEE PAGE 11, DIAGRAM D1.  
ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI SIN / 010 SS). SEE PAGE 11, DIAGRAM D3.  
ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND (EXAMPLE: RFI SIU / 050 ST). SEE PAGE 11, DIAGRAM D4.

## LC IDENTIFICATION AND LC KILOMETRIC PROGRESSION SIGNBOARDS

### DIMENSIONS OF PL SIGNBOARDS (MM)

CODE	RFI SIN / ...	RFI SIS / ...	RFI SIU / ...
LENGTH X WIDTH	600 x 400	500 x 320	600 x 400
ALUMINUM THICKNESS	2,5	2,5	2,5



RFI SIN / 010 SF SS ST



RFI SIN / 990 SF SS ST

RFI SIN / 010 E SIN / 990 SIGNBOARDS ARE ALSO AVAILABLE WITH R2 CLASS FILM APPLICATION FOR HIGH LUMINOUS RESPONSE.



RFI SIN / 510 SF SS ST



RFI SIN / 910 SF SS ST



RFI SIN / 210 SF SS ST



RFI SIN / 250 SF SS ST



RFI SIS / 210 SF SS ST



RFI SIS / 250 SF SS ST



RFI SIS / 310 SF SS ST



RFI SIS / 350 SF SS ST



RFI SIU / 010 SF SS ST



RFI SIU / 050 SF SS ST



RFI SIU / 210 SF SS ST



RFI SIU / 250 SF SS ST

## PLATFORM CLASSIFICATION SIGNBOARDS FOR REMOTE-CONTROLLED STATIONS

### DIMENSIONS OF PLATFORM CLASSIFICATION SIGNBOARDS (MM)

CODE	RFI SIY / 010 - 060	RFI SIY / 912 - 921 - 923 - 934
LENGTH X WIDTH	300 x 300	400 x 300
ALUMINUM THICKNESS	2,5	2,5

ON REQUEST, PLATFORM CLASSIFICATION SIGNBOARDS ARE ALSO AVAILABLE IN DIFFERENT SIZES. ASK FOR A PRICE QUOTE.



RFI SIY / 010 SS ST

Platform I classification board for remote-controlled stations.



RFI SIY / 020 SS ST

Platform II classification board for remote-controlled stations.



RFI SIY / 030 SS ST

Platform III classification board for remote-controlled stations.



RFI SIY / 912 SS ST

Platform I and II classification board for remote-controlled stations.



RFI SIY / 923 SS ST

Platform II and III classification board for remote-controlled stations.



RFI SIY / 040 SS ST

Platform IV classification board for remote-controlled stations.



RFI SIY / 050 SS ST

Platform V classification board for remote-controlled stations.



RFI SIY / 060 SS ST

Platform VI classification board for remote-controlled stations.



RFI SIY / 921 SS ST

Platform II and I classification board for remote-controlled stations.



RFI SIY / 934 SS ST

Platform III and IV classification board for remote-controlled stations.



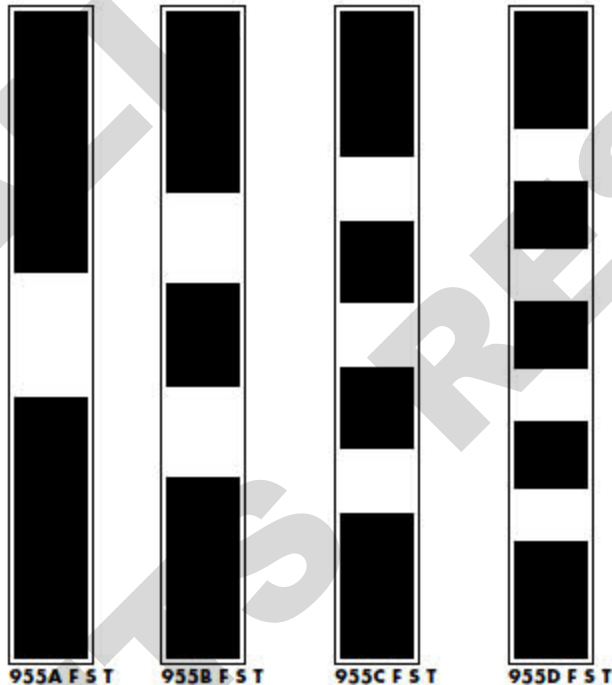


## DIMENSIONS OF DISTANCE-TYPE ORIENTATION BOARDS FOR RAILWAY LINES (MM)

CODE	RFI 822 / 955 A - 955 D	RFI 822 / 956 A - 956 D	RFI 822 / 957 A - 957 D	RFI 822 / 956 AP - 956 DP
LENGTH X WIDTH	295 x 2300	295 x 2300	295 x 2300	295 x 2300
ALUMINUM THICKNESS	3	3	3	3

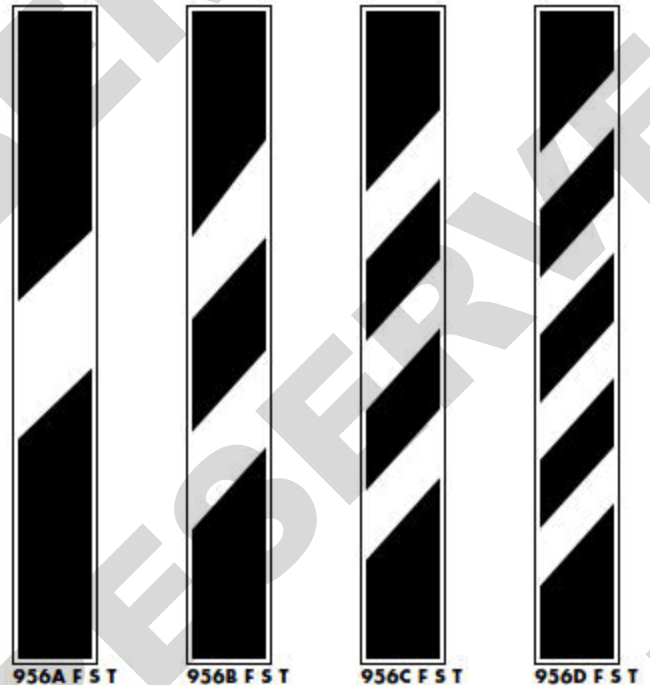
### FOR AWARENESS SIGNALS

Code RFI 822 / ...



### FOR 1<sup>ST</sup> CLASS SIGNALS

Code RFI 822 / ...



THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF:

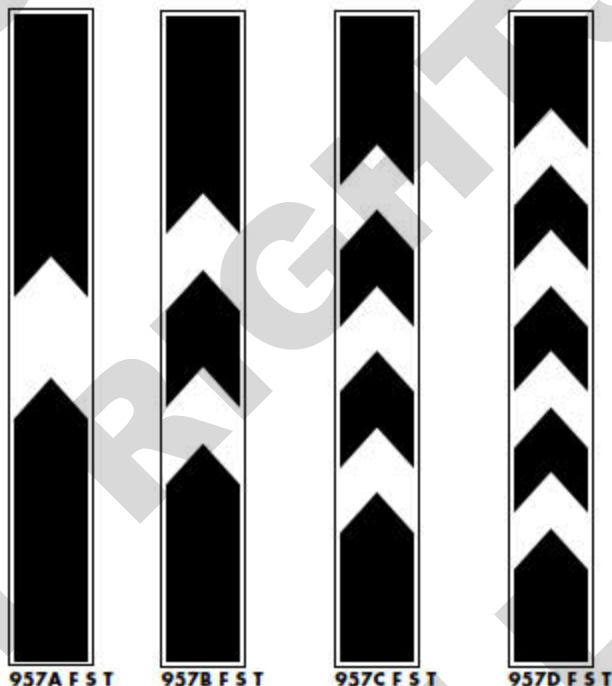
ABBREVIATION F = BENT ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI 822 / 955A F). SEE PAGE 11, DIAGRAM 01.

ABBREVIATION S = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI 822 / 956C S). SEE PAGE 11, DIAGRAM 03.

ABBREVIATION T = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND (EXAMPLE: RFI 822 / 957D T). SEE PAGE 11, DIAGRAM 04.

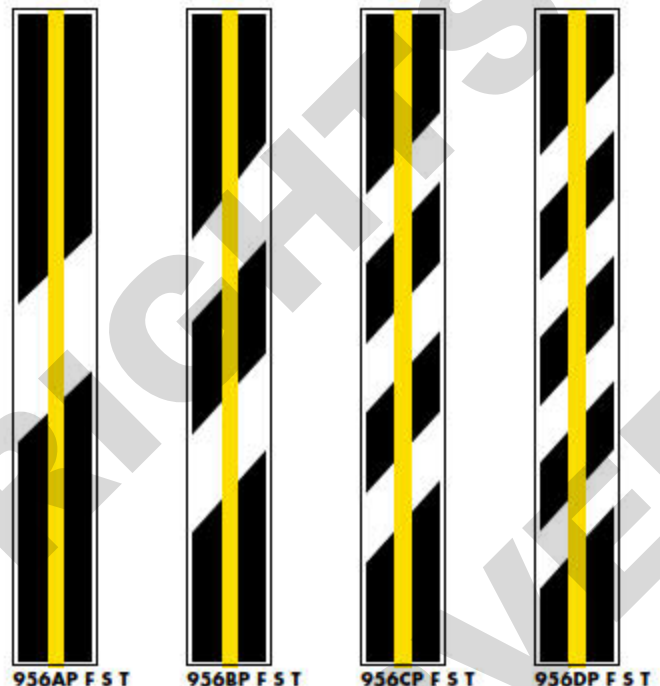
### FOR 2<sup>ND</sup> CLASS SIGNALS

Code RFI 822 / ...



### FOR PERMISSION SIGNALS

Code RFI 822 / ...



BOARDS ARE MADE WITH APPLICATION OF CERTIFIED R2 CLASS REFLECTIVE FILM WITH HIGH LUMINOUS RESPONSE. ON REQUEST CAN BE ORDERED ALSO WITH RA1 FILM.





# REDUCED DISTANCE-TYPE ORIENTATION BOARDS FOR SIGNALS IN RAILWAY LINES AND TUNNELS

Signalling installations signage

## DIMENSIONS OF REDUCED DISTANCE-TYPE ORIENTATION BOARDS FOR SIGNALS IN RAILWAY LINES

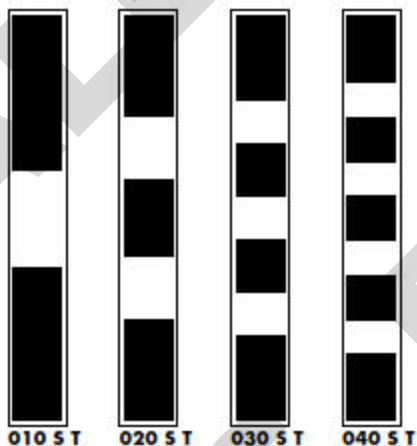
CODE	RFI SIJ / 010 - 040	RFI SIJ / 050 - 080	RFI SIK / 010 - 040	RFI SIK / 050 - 080
L X W	120 x 850 mm	120 x 850 mm	120 x 470 mm	120 x 470 mm
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5



ABBREVIATION S = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES.  
ABBREVIATION T = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL BAND.

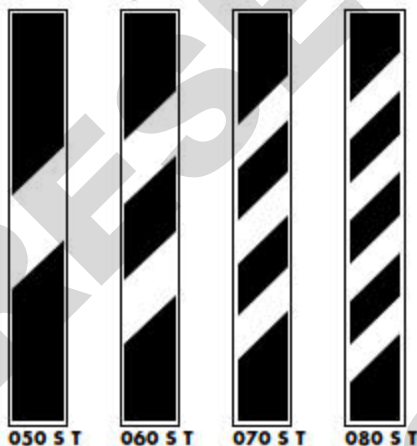
### MEDIUM-SIZED FOR AWARENESS SIGNALS

Code RFI SIJ / ...



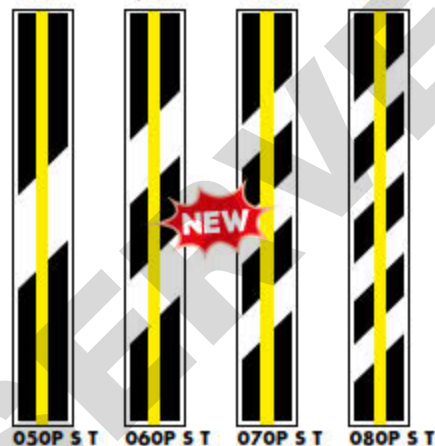
### MEDIUM-SIZED FOR 1<sup>ST</sup> CLASS SIGNALS

Code RFI SIJ / ...



### MEDIUM-SIZED FOR 1<sup>ST</sup> CLASS PERMISSION SIGNALS

Code RFI SIJ / ...P



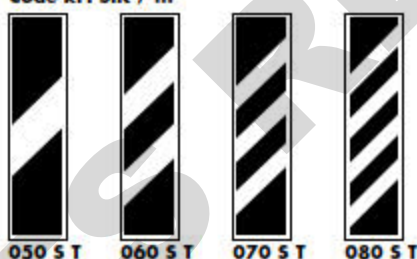
### SHORT FOR AWARENESS SIGNALS

Code RFI SIK / ...



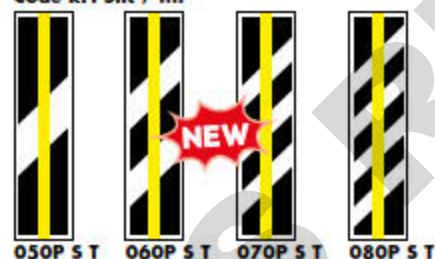
### SHORT FOR 1<sup>ST</sup> CLASS SIGNALS

Code RFI SIK / ...



### SHORT FOR 1<sup>ST</sup> CLASS PERMISSION SIGNALS

Code RFI SIK / ...P



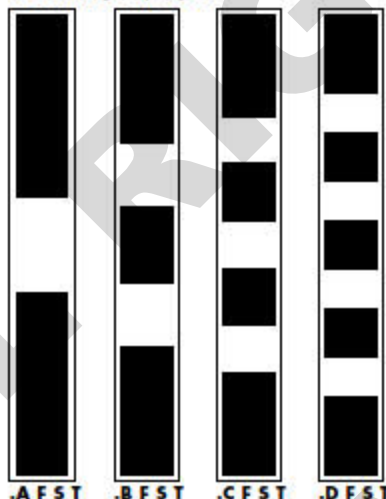
## DIMENSIONS OF ORIENTATION BOARDS FOR TUNNELS (MM)

CODE	RFI 822 / 964A - 964D	RFI 822 / 965A - 965D
LENGTH X WIDTH	200 x 1400	200 x 1400
ALUMINUM THICKNESS	2,5	2,5

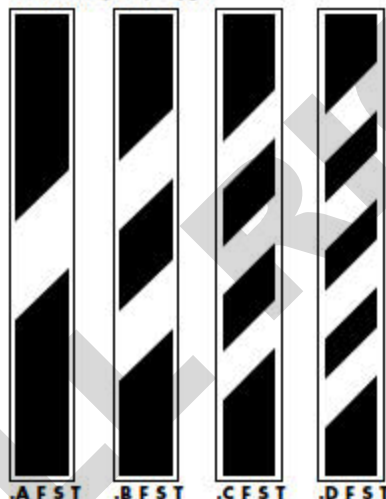


CONNECTION WITH PLATE AVAILABLE (CODE RFI 822 / 964 MD) FOR INSTALLATION IN TUNNELS.

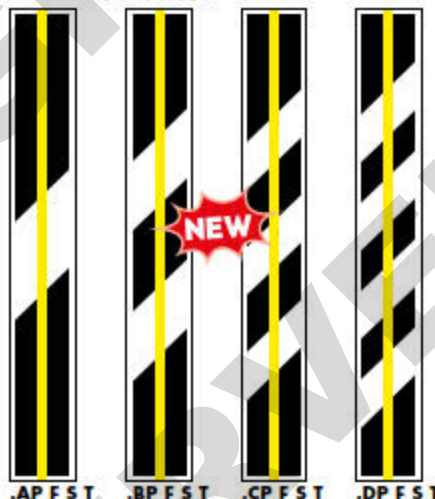
Code RFI 822 / 964.



Code RFI 822 / 965.



Code RFI 822 / 965.P







## PROHIBITION SIGNS FOR PLATFORMS AND PSL

BOXED BASE AND APPLICATION OF CERTIFIED RA1 CLASS REFLECTIVE FILM WITH NORMAL LIGHT RESPONSE.

### DIMENSIONS OF PROHIBITION SIGNS FOR PLATFORMS

CODE	RFI STC / 010 - 090	RFI SIT / 090 - 100
LENGTH X WIDTH	400 x 600	400 x 600
ALUMINUM THICKNESS	2,5	2,5
METAL SHEET THICKNESS	1	1

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



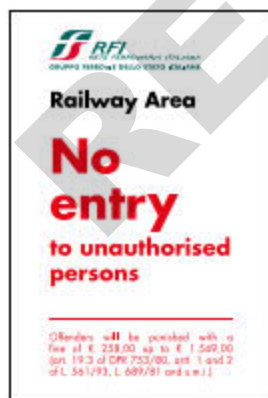
RFI STC / 090 SSF SSA



RFI STC / 050 SSF SSA



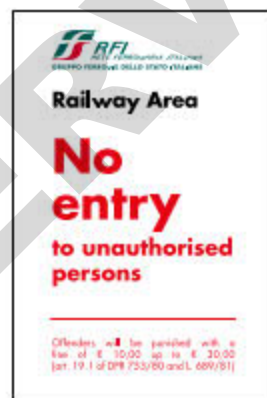
RFI STC / 010 SSF SSA



RFI STC / 020 SSF SSA



RFI STC / 030 SSF SSA



RFI STC / 040 SSF SSA

THE ABBREVIATION AFTER THE CODE IDENTIFIES THE TYPE OF BASE WHICH THE SIGNAL CAN BE MADE OF (FOR ALUMINUM DO NOT ADD ANYTHING).  
ABBREVIATION SSF = BOXED METAL SHEET BASE WITH RAIL-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI STC / 010 SSF). SEE PAGE 11, DIAGRAM 03.  
ABBREVIATION SSA = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI STC / 030 SSA). SEE PAGE 11, DIAGRAM 04.

## EMERGENCY SIGNS WITH KILOMETRIC PROGRESSION FOR PSL



RFI SIT / 090 SSF SSA



RFI SIT / 100 SSF SSA



RFI STC / 060 SSF SSA



RFI STC / 590 - mm 333 x 500

On request, available in boxed base, mm 400 x 600 (aluminum or metal sheet)



DE-MOUNTABLE ROAD BARRIERS AVAILABLE ON PAGE 143.



### ANTI-ROTATION POLE

	DIAMETER	HEIGHT
STC6020	60 mm	2,00 mt
STC6025	60 mm	2,50 mt
STC6030	60 mm	3,00 mt
STC6033	60 mm	3,30 mt
STC6035	60 mm	3,50 mt
STC6040	60 mm	4,00 mt



4 mm thick galvanized iron collar, for Ø 60 mm circular poles with groove.





# NUMBERING PLATES FOR MANOEUVRING BOX, CDB BOX AND RAILWAY SWITCHES

Signalling installations signage

## DIMENSIONS OF VARIOUS NUMBERING PLATES AND BANDS (MM)

CODE	RFI SIZ / 010 - 020 - 030 - 070	RFI SIZ / 040	RFI SIZ / 050 - 060	RFI SIZ / 080	RFI SIZ / 510	RFI SIZ / 520
LENGTH X WIDTH	200 x 100	140 x 80	80 x 80	120 x 50	600 x 40	220 x 2200

**01/a**

**RFI SIZ / 010**

Numbering plate for manoeuvring switch box.

**01/b**

**RFI SIZ / 020**

Numbering plate for terminal switch box.

**S05**

**RFI SIZ / 030**

Numbering plate for cables sorting switch box.

**S10s**

**RFI SIZ / 070**

Numbering plate for high or low signal.

**A**

**RFI SIZ / 050**

Plate for C.D.B. box and inductive box.

**R**

**RFI SIZ / 060**

Plate for C.D.B. box and inductive box.

**III**

**RFI SIZ / 040**

Numbering plate for C.D.B. box and inductive box.



**RFI SIZ / 080**

Normal plate for switcher position.



**RFI SIZ / 510**

Red PVC adhesive band for manoeuvring switch box.



HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.

PLATE ENGRAVED ON MULTILAYER PLASTIC BASE, WITH PLASTIC OR ALUMINUM TOP LAYER FINISHING.

CUSTOM SPECIFICATIONS (COLORS, SHAPE, DIMENSIONS, ETC...) AVAILABLE. ASK FOR A PRICE QUOTE.



**RFI SIZ / 520**

Signalling band for awareness signal supports.





## 1 WINDPROOF SQUARE TORCHES (ANTI-ROLL)

**TN80A** - quick ignition, jute wax madden and windproof torches for emergency lighting, length 800 mm.

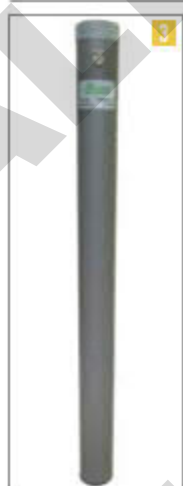


## 2 SNAPLIGHT® BAR

**TNL18.** - small bar activated by twisting, duration 12 hours (blue 8 hours). Dimensions Ø mm 18 x 150. Minimum order 10 pieces / multiples.

Colors **Y** yellow **R** red **B** blue **G** green

**TNL18P.** - case for Snaplight® bars (when ordering, please add desired bars amount after "P" code)



## 3 TORCHES CASES FOR ALCOVES IN TUNNELS

**RFI 740 / 707** - Ø 80 mm torches case for tunnel alcoves, made of PVC with friction plug and ring for wall fastening.

**RFI 740 / 706** - Ø 100 mm for tunnel alcoves, made of PVC with friction plug and ring for wall fastening.



## 4 RFI BAG

**BPSV40** - empty bag for PPE, double separate rigid bottom, made of blue nylon. Dimensions 230 x 320 x 400 mm.



## 5 RFI BACKPACK

**BPSV54** - empty backpack for PPE made of polyester, blue / green colored. Backpack size 310 x 180 x 540 mm, front pocket 310 x 410 x h 60 mm.



## 6 RED LIGHT ILLUMINATING TORCH

Used for emergency notification in case of fog, accidents, etc. The upper end of the tube supports the rubbing ignition device, secured by a plastic screw cap which acts as a ignition tool. A second device contained in the torch, compensates to the eventual failure of the first device or allows the torch to be re-ignited in the case it switches off. Each torch is contained in a durable and moisture-proof case, sealed in a welded plastic bag. Average combustion duration: 8 minutes minimum. Minimum luminous intensity of the torch: 5500 Cand./m². Warranty 5 years.

**TNP003/076** - red light illuminating torch, length 550 mm, external diameter 48 mm, approx. Weight 1000 g

## DIMENSIONS OF SIGNBOARDS FOR TORCHES STORAGE INDICATION AND ALCOVES NUMBERING (MM)

CODE	RFI 740 / 708	RFI GLT / 010 - 020
LENGTH X WIDTH	150 x 350	350 x 150
ALUMINUM THICKNESS	1,5	1,5

## MATERIALS

The boards are made of painted flat aluminum. Torches storage indication signboards are realized with screen printing process. Numbering plates for alcoves in tunnels are obtained by application of non-reflective PVC adhesive film on certified RA1 class film, with normal light response, or R2 class, with high luminous response.

## INDICATION SIGNBOARDS FOR TORCHES STORAGE IN TUNNELS



### RFI 740 / 708

Signboard indicating emergency illuminating torches storage spot in tunnels.



### RFI GLT / 010



### RFI GLT / 020

Tabelle di indicazione deposito in galleria di torce per illuminazione di emergenza.

## NUMBERING PLATE FOR ALCOVES IN TUNNELS



ON REQUEST, THE SIGN CAN BE SUPPLIED WITH FULLY CUSTOMIZED TEXT AND PLATE SIZE

Numbering plate for alcove identification in tunnels (dimensions, text, materials and finishing can be customized during order).





### DIMENSIONS OF EMERGENCY SIGNS (MM)

CODE	RFI GLA / 010 - 090	RFI GLB / 010 - 070 (A)	RFI GLC / 010 - 060 (A)	RFI GLD / 010 - 020
LENGTH X WIDTH	900 x 350	350 x 350	350 x 450	350 x 250
ALUMINUM THICKNESS	2	2	2	2



RFI GLA / 010



RFI GLA / 080



RFI GLA / 090



RFI GLA / 050



ACCORDING TO EN ISO 7010 STANDARD, THE EXTRA ARROW IS TO BE USED COMBINED TO EMERGENCY EXIT SIGNALS, IN ORDER TO PROVIDE INFORMATION ABOUT DIRECTION.



RFI GLD / 010



RFI GLD / 020



RFI GLB / 010



RFI GLB / 020



RFI GLB / 020 A



RFI GLB / 030



RFI GLB / 030 A



RFI GLB / 040



RFI GLB / 040 A



RFI GLB / 050



RFI GLB / 060



RFI GLB / 070



RFI GLB / 070 A



RFI GLC / 010



RFI GLC / 020



RFI GLC / 020 A



RFI GLC / 030



RFI GLC / 030 A



RFI GLC / 060



RFI GLC / 040



RFI GLC / 040 A



RFI GLC / 050



RFI GLC / 050

### PHOTOLUMINESCENT SIGNS D. LGS. 81/08 CARTLUX® LINE NEW DIN

Double-sided photoluminescent signage, CARTLUX® STAR line, luminance of about 130 mcd/m² (± 5%), for medium and high fire risk environments.

### DIMENSIONS OF EMERGENCY SIGNS (MM)

CODE	L15...	L15...	L20...	L20...
LENGTH X WIDTH	160 x 160	250 x 250	160 x 210	250 x 310
MATERIAL	Photoluminescent PVC CARTLUX® DIN			
SIZE CODE	W	X	W	X



L15152 WX



L15153 WX



L15154 WX



EYFL20105 KX



EYFL20106 KX



YFL20107 KX





# DIMENSIONS OF EMERGENCY SIGNS (MM)

CODE	EL5715...	EL5715...	EL715...	EL715...	EL715...
LENGTH X WIDTH	220 x 120	300 x 160	220 x 120	300 x 160	480 x 250
MATERIAL	Photoluminescent PVC CARTLUX® DIN			Photoluminescent PVC CARTLUX® DIN	
SIZE CODE	K	W	K	W	X



EL5715101 KW  
EL715101 KWX



EL5715102 KW  
EL715102 KWX



EL5715103 KW  
EL715103 KWX



EL5715104 KW  
EL715104 KWX



EL5715105 KW  
EL715105 KWX



EL5715106 KW  
EL715106 KWX



EL5715107 KW  
EL715107 KWX



EL5715108 KW  
EL715108 KWX



## DOUBLE-SIDED SILK-SCREENED PHOTOLUMINESCENT SIGNS CARTLUX® STAR LINE

Double-sided photoluminescent signage, CARTLUX® STAR line, luminance of about 130 mcd/m² (± 5%), for medium and high fire risk environments.

### DIMENSIONS OF DOUBLE-SIDED SIGNS (MM)

CODE	ELS15.../LS15...	ELS15.../LS15...	EYFLS20.../YFLS20...
LENGTH X WIDTH	160 x 160	250 x 250	250 x 310
MATERIAL	Photoluminescent STAR aluminum		
SIZE CODE	W	X	X



ELS15107BI WX



ELS15111BI WX



ELS15115BI WX



ELS15117BI WX



LS15165BI WX



LS15166BI WX



ELS15101BI WX



LS15152BI WX



LS15153BI WX



LS15154BI WX



ELS15180BI WX



EYFLS20105BI X



EYFLS20106BI X



YFLS20107BI X



EYFLS20118BI X



EYFLS20150BI X



EYFLS20165BI X

DOUBLE-SIDED SIGNS CAN ALSO BE MADE IN ONE-SIDED VERSION. MORE SYMBOLS AVAILABLE ON REQUEST.





## FOCUS STRIPS FOR ALCOVES IN TUNNELS

Tunnel Signage

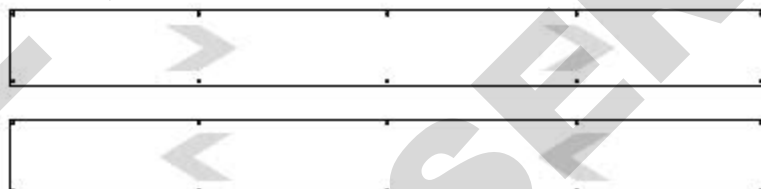
### DIMENSIONI DELLE FASCE DI SEGNALEZIONE PER NICCHIE (MM)

CODE	RFI GLF / 010	RFI GLF / 050
LENGTH X WIDTH	2000 x 200	200 x 2000
PVC THICKNESS	1	1

### MATERIALS

The strips are made of rigid PVC plastic material with application of certified R2 class reflective film with high luminous response. The strips are perforated to allow fastening on tunnel walls, using proper screws and dowels system.

**HIGH RESISTANCE AND DURABILITY OF MATERIALS.**  
FEATURES ON PAGE 10.



**RFI GLF / 010** Direction strip for alcoves in tunnels



**RFI GLF / 050**

Contour strip for alcoves in tunnels.



### PRODUCTS FOR TUNNELS IN OTHER THEMATIC SECTIONS

IDENTIFICATION SIGN FOR E.T. SUSPENSIONS ON PAGE 14.

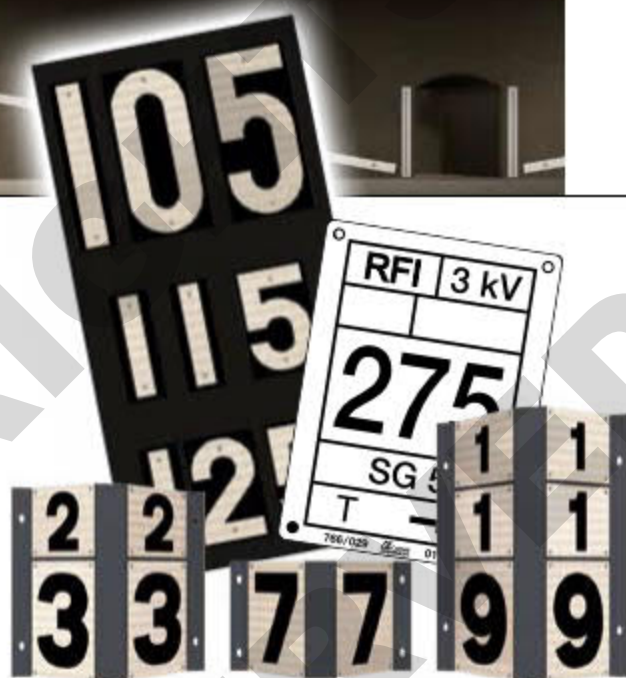
MAXIMUM SPEED INDICATOR BOARD FOR TUNNELS ON PAGES 34 AND 35.

KILOMETRIC PANEL FOR TUNNELS ON PAGE 39.

SLOWING DOWN ORIENTATION SIGNBOARDS FOR TUNNELS ON PAGE 45.

NUMERICAL BOARDS AND ACCESSORIES FOR SLOWING DOWN SIGNALS ON PAGE 46.

REDUCED DISTANCE-TYPE ORIENTATION BOARDS ON PAGE 54.







## INDICATION SIGNS FOR NOT POWERED AREA IN HIGH SPEED LINES

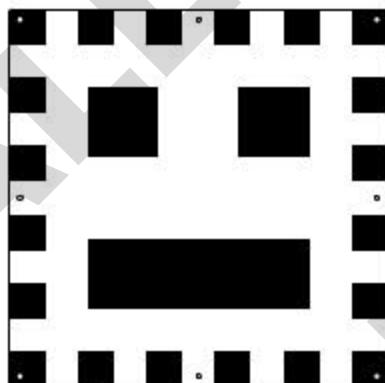
### DIMENSIONS OF SIGNS FOR NOT POWERED AREA (MM)

CODE	RFI 901 / 456 - 458
LENGTH X WIDTH	550 x 550
ALUMINUM THICKNESS	2

### MATERIALS

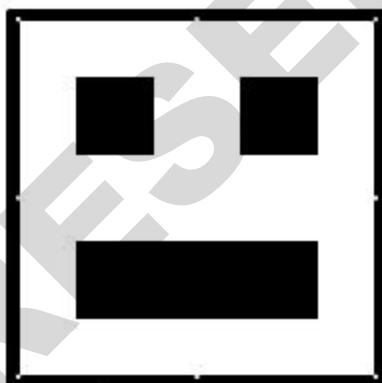
The signs are made of painted aluminum base with application of certified R2 class reflective film with high luminous response. Proper fastening hardware provided.

**HIGH AND OF RESISTANCE DURABILITY MATERIALS. FEATURES ON PAGE 10.**



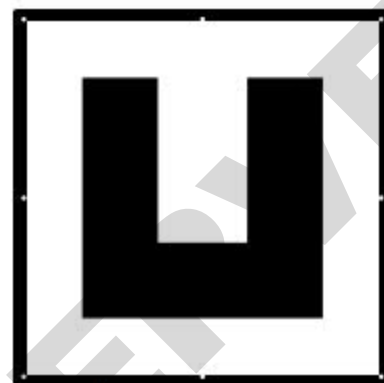
RFI 901 / 456

Prior notification sign for not powered area.



RFI 901 / 457

Sign for not powered area starting.



RFI 901 / 458

Sign for not powered area ending.

## INDICATION SIGNS FOR PANTOGRAPHS IN HIGH SPEED LINES

### DIMENSIONS OF SIGNS FOR PANTOGRAPHS (MM)

CODE	RFI 901 / 459 - 461
LENGTH X WIDTH	550 x 550
ALUMINUM THICKNESS	2



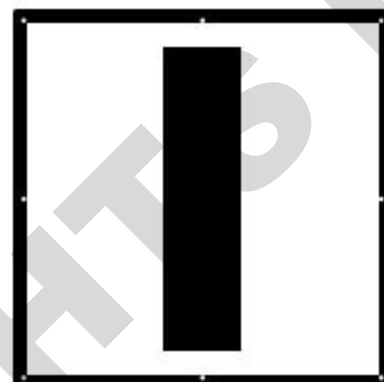
RFI 901 / 459

Prior notification sign for pantographs lowering.



RFI 901 / 460

Sign for pantographs lowering.



RFI 901 / 461

Sign for pantographs raising.

## CLASSIFICATION SIGNS FOR HIGH SPEED LINES

### DIMENSIONS OF SIGNS FOR LINE (MM)

CODE	RFI 901 / 462 - 463
LENGTH X WIDTH	550 x 135
ALUMINUM THICKNESS	2



RFI 901 / 462

25 kV ~ classification sign for high speed lines.



RFI 901 / 463

3 kV = classification sign for high speed lines.

**SIGNBOARDS ARE MADE OF PAINTED ALUMINUM BASE WITH APPLICATION OF CERTIFIED R2 CLASS REFLECTIVE FILM WITH HIGH LUMINOUS RESPONSE. PROPER FASTENING HARDWARE PROVIDED.**





## WARNING AND CLASSIFICATION SIGNS FOR HIGH SPEED E.T. SUPPORTS

High Speed Signage

### WARNING AND CLASSIFICATION SIGNS FOR M AND LS TYPE E.T. SUPPORTS

#### SIGNS FOR M AND LS TYPE E.T. SUPPORTS (MM)

CODE	RFI 901 / 447 A	RFI 901 / 447 B
LENGTH X WIDTH	140 x 340	140 x 200
SPESSORE ALLUMINIO	2	2

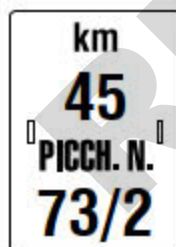
#### MATERIALS

The signs are made of painted aluminum base with application of certified R2 class reflective silk-screen film with high luminous response and application of cutout layer.



RFI 901 / 447 A

Warning sign for M and LS type E.T. supports.



RFI 901 / 447 B

Classification sign for M and LS type E.T. supports.

#### SIGN FOR POWER SUPPLY LINE AND TUNNEL (MM)

CODE	RFI 901 / 828	RFI 901 / 451 - 452
DIMENSIONS	Side 110	530 x 110
ALUMINUM THICKNESS	2	2



RFI 901 / 828 SIGN WITH R2 CLASS REFLECTIVE FILM WITH HIGH LUMINOUS RESPONSE.

RFI 901 / 828

Warning sign to be applied to power supply line.



RFI 901 / 451

Standard sign for E.T. supports numbering in tunnels.



RFI 901 / 452

Special sign for E.T. supports numbering in tunnels.

RFI 901 / 451 AND RFI 901 / 452 SIGNS WITH RA1 CLASS REFLECTIVE FILM WITH NORMAL LIGHT RESPONSE.

### WARNING AND CLASSIFICATION SIGNS FOR E.T. RAILWAY PORTALS

#### DIMENSIONS OF DIFFERENT TYPE SIGNS FOR E.T. SUPPORTS (MM)

CODE	RFI 901 / 449 A	RFI 901 / 449 B
DIMENSIONS	240 x 275	240 x 215
ALUMINUM THICKNESS	2	2

#### MATERIALS

The signs are made of painted aluminum base with application of certified R2 class reflective silk-screen film with high luminous response and application of cutout layer.



RFI 901 / 449 A

Warning sign for E.T. railway portal: INT-door type.



RFI 901 / 449 A

Warning sign for E.T. railway portal: P.O. type.



RFI 901 / 449 A

Warning sign for E.T. railway portal: P.S. type.



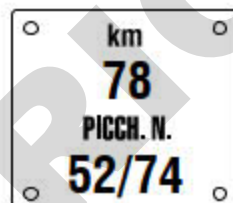
RFI 901 / 449 B

Classification sign for E.T. railway portal: INT-door type.



RFI 901 / 449 B

Classification sign for E.T. railway portal: P.O. type.



RFI 901 / 449 B

Classification sign for E.T. railway portal: P.S. type.



 HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.





## DIMENSIONS OF SIGNS FOR ELECTRICAL SECTIONS AND VARIOUS (MM)

CODE	RFI 901 / 453 A	RFI 901 / 822	RFI 901 / 831	RFI 901 / 453 - 454	RFI 901 / 455
LENGTH X WIDTH	150 x 100	200 x 70	150 x 96	150 x 100	150 x 100
ALUMINUM THICKNESS	2	2	1	2	2



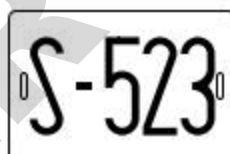
**RFI 901 / 453 A**  
Number indicator sign for equipment. Type A.



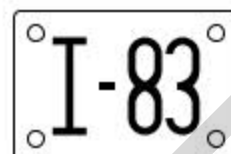
**RFI 901 / 822**  
Classification sign for electric sections on overhead power supply lines. Type C.



**RFI 901 / 831**  
Classification sign for SSE/PPD equipment or section. Type G.



**RFI 901 / 453 - 454**  
Number indicator sign for isolated overlap railway portal support.



**RFI 901 / 455**  
Number indicator sign for switch railway portal support.

## DIMENSIONS OF SIGNS FOR NOT POWERED AREAS AND POC (MM)

CODE	RFI 901 / 823 - 827	RFI 901 / 818 - 821
LENGTH X WIDTH	200 x 70	300 x 100
ALUMINUM THICKNESS	2	2

## MATERIALS

The signs are made of painted aluminum base with application of certified R2 class reflective silk-screen film with high luminous response or application of cutout film.



**RFI 901 / 823**  
Classification sign for electric status on POC. Type D1.



**RFI 901 / 824**  
Classification sign for electric status on POC. Type D2.



**RFI 901 / 825**  
Classification sign for electric status on POC. Type D3.



**RFI 901 / 826**  
Classification sign for electric status on POC. Type D4.



**RFI 901 / 827**  
Classification sign for electric status on POC. Type D5.



**RFI 901 / 818**  
Classification sign for overhead power supply in not powered areas. Type B1.



**RFI 901 / 819**  
Classification sign for overhead power supply in not powered areas. Type B2.



**RFI 901 / 820**  
Classification sign for overhead power supply in not powered areas. Type B3.



**RFI 901 / 821**  
Classification sign for overhead power supply in not powered areas. Type B4.

## DIMENSIONS OF SIGNS FOR ISOLATED OVERLAP AND ELECTRIC SECTIONS (MM)

CODE	RFI 901 / 829 - 830	RFI 901 / 480 - 482	RFI 901 / 813 - 817
LENGTH X WIDTH	300 x 100	470 x 220	140 x 140
ALUMINUM THICKNESS	2	2	2

AVAILABLE ON REQUEST DIFFERENT FASTENING SYSTEMS:  
- GALVANIZED STEEL MADE  
- STAINLESS STEEL MADE, WITH SCREWS HARDWARE  
- STAINLESS STEEL BAND  
- TAPE FIXING CLIPS  
- MANUAL TOOL FOR TAPE FASTENING

ACC. TO TECHNICAL STANDARD E.72273 OF R.F.I.



**RFI 901 / 829**  
"Attention to isolated overlap" sign. F1 type.



**RFI 901 / 830**  
"Isolated overlap" sign. F2 type.



**RFI 901 / 480**  
"Isolated overlap" sign for power supply lines with 2x25 kV system.



**RFI 901 / 481**  
"Attention to isolated overlap" sign for power supply lines with 2x25 kV system.



**RFI 901 / 482**  
"Attention to power down" sign for power supply lines with 2x25 kV system.



**RFI 901 / 813**  
Sign for electric sections overhead CL-feeder. A type.



**RFI 901 / 814**  
Sign for electric sections overhead CL-feeder. A1 type.



**RFI 901 / 815**  
Sign for electric sections overhead CL-feeder. A2 type.



**RFI 901 / 816**  
Sign for electric sections overhead CL-feeder. A3 type.



**RFI 901 / 817**  
Sign for electric sections overhead CL-feeder. A4 type.





### BINDING SIGNS FOR SERVICE LOCATIONS AND BLOCK SECTION ENDING

#### DIMENSIONS OF BINDING SIGNS FOR SERVICE LOCATIONS AND BLOCK SECTION ENDING (MM)

CODE	RFI AVP - AVQ / 7..	RFI AVP - AVQ / 5..	RFI AVX / 010	RFI AVY / 010	RFI AVZ / 010
LENGTH X WIDTH	700 x 700	500 x 500	550 x 550	550 x 550	550 x 350
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5	2,5



THE INITIALS AFTER THE CODE IDENTIFY THE TYPE OF BASE WHICH THE SIGN CAN BE MADE OF:  
 ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI AVP / 701 SF SS ST, SEE PAGE 11, DIAGRAM 01).  
 ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI AVQ / 509 SS). SEE PAGE 11, DIAGRAM 03.  
 ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL TAPE (EXAMPLE: RFI AVZ / 010 ST). SEE PAGE 11, DIAGRAM 04.

**4055**  
km 59+405

RFI AVZ / 010 SF SS ST

Sign indicating the number of the block section, with kilometric progression for service locations and radio block section ending binding signal.

#### MATERIALS

Signboards are made of painted boxed aluminum base (with rail or road type connections) and application of certified special R2 class reflective film (class 3) with very high luminous response.



RFI AVP / 701 SF SS ST

Binding signboard for service locations and exodus spots (for rail track on the right or on the left).



RFI AVP / 709 SF SS ST

Binding signboard for service locations and exodus spots (for rail track on the right or on the left).

ON NEW-OPENING LINES.



RFI AVQ / 701 SF SS ST

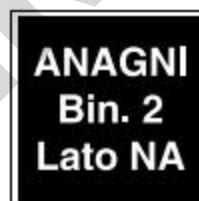
Binding signboard for radio block section ending (for rail track on the right or on the left).



RFI AVQ / 709 SF SS ST

Binding signboard for radio block section ending (for rail track on the right or on the left).

ON NEW-OPENING LINES.



RFI AVX / 010 SF SS ST

Binding signboard for departure from service location.



RFI AVP / 501 SF SS ST

Binding signboard for service locations and exodus spots (for rail track on the right or on the left).



RFI AVP / 509 SF SS ST

Binding signboard for service locations and exodus spots (for rail track on the right or on the left).

ON NEW-OPENING LINES.



RFI AVQ / 501 SF SS ST

Binding signboard for radio block section ending (for rail track on the right or on the left).



RFI AVQ / 509 SF SS ST

Binding signboard for radio block section ending (for rail track on the right or on the left).

ON NEW-OPENING LINES.



RFI AVY / 010 SF SS ST

Binding signboard for exodus spots.

### ORIENTATION BOARDS ANTICIPATING BINDING SIGNS

RFI AVV



010 F ST

Signboard for service locations.

RFI AVW



050 F ST

Signboard for block section ending.

RFI AVV



910 ST

Reduced signboard for service locations.

RFI AVW



950 ST

Reduced signboard for block section ending.

#### DIMENSIONS OF ORIENTATION BOARDS ANTICIPATING BINDING SIGNS (MM)

CODE	LENGTH X WIDTH	ALUMINUM THICKNESS
RFI AVV / 010 - 050	295 x 1400	2,5
RFI AVW / 010 - 050	295 x 1400	2,5
RFI AVV / 910 - 950	200 x 1400	2,5
RFI AVW / 910 - 950	200 x 1400	2,5



ABBREVIATION F = BENT ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS. SEE PAGE 11, DIAGRAM 01.  
 ABBREVIATION S = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES. SEE PAGE 11, DIAGRAM 03.  
 ABBREVIATION T = BENT ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL TAPE. SEE PAGE 11, DIAGRAM 04.





## SIGNALS FOR STARTING AND ENDING OF ETCS L2 LINE AND CODED AREA

### DIMENSIONS OF SIGNS FOR LINE AND CODED AREA (MM)

CODE	RFI AVR / 010 - 040	RFI AVR / 050 - 080
SIDE	500	500
ALUMINUM THICKNESS	2,5	2,5

### MATERIALS

Signboards are made of painted boxed aluminum base (with rail or road type connections) and application of certified special R2 class reflective film (class 3) with very high luminous response.



RFI AVR / 010 SF SS ST

Alert signboard for starting of ETCS L2 high speed line.



RFI AVR / 020 SF SS ST

Signboard for starting of ETCS L2 high speed line.



RFI AVR / 030 SF SS ST

Alert signboard for ending of ETCS L2 high speed line.



RFI AVR / 040 SF SS ST

Signboard for ending of ETCS L2 high speed line.



RFI AVR / 050 SF SS ST

Alert signboard for coded zone starting in high speed line.



RFI AVR / 060 SF SS ST

Signboard for coded zone starting in high speed line.



RFI AVR / 070 SF SS ST

Alert signboard for coded zone ending in high speed line.



RFI AVR / 080 SF SS ST

Signboard for coded zone ending in high speed line.



HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



THE INITIALS AFTER THE CODE IDENTIFY THE TYPE OF BASE WHICH THE SIGN CAN BE MADE OF:

ABBREVIATION SF = BOXED ALUMINUM BASE WITH RAIL-TYPE CONNECTIONS (EXAMPLE: RFI AVR / 020 SF).

ABBREVIATION SS = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND COLLARS FOR CIRCULAR POLES (EXAMPLE: RFI AVR / 040 SS).

ABBREVIATION ST = BOXED ALUMINUM BASE WITH ROAD-TYPE CONNECTIONS AND BRACKETS FOR STEEL TAPE (EXAMPLE: RFI AVR / 010 ST).

## KILOMETRIC PROGRESSION INDICATION SIGNBOARDS FOR HIGH SPEED LINES

### DIMENSIONS OF KILOMETRIC INDICATION SIGNBOARDS FOR H.S. LINES (MM)

CODE	RFI AVT / 010	RFI AVT / 020	RFI AVT / 030	RFI AVT / 040
SIDE	600 x 400	600 x 400	600 x 400	600 x 400
ALUMINUM THICKNESS	2,5	2,5	2,5	2,5

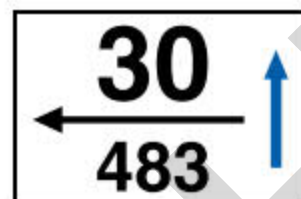
### MATERIALS

The signs are made of painted boxed aluminum base, with rail or road type connections and application of certified R2 class reflective film with high luminous response.



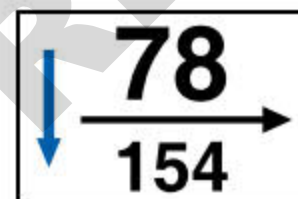
RFI AVT / 010 SF SS ST

Signboard indicating kilometric progression increasing and related track on the right.



RFI AVT / 020 SF SS ST

Signboard indicating kilometric progression increasing and related track on the left.



RFI AVT / 030 SF SS ST

Signboard indicating kilometric progression decreasing and related track on the right.



RFI AVT / 040 SF SS ST

Signboard indicating kilometric progression decreasing and related track on the left.





# INDICATION AND PROHIBITION SIGNS

Train stations signage

## INDICATION SIGNS FOR RAIL TRACKS, ROUTES AND SERVICES IN THE STATION

### DIMENSIONS OF PROHIBITION SIGNS FOR TRACKS

CODE	RFI STA / 010	RFI STA / 020
LENGTH X WIDTH	2000 x 150	2000 x 150
ALUMINUM THICKNESS	2,5	2,5

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.

Signboards for platform border are made of flat aluminum base with application of certified RA1 class reflective film (normal light response). Available in composite material with 3 mm thick aluminum base (double-sided version for barriers).



**Vietato attraversare i binari**

RFI STA / 010 - one-sided version

RFI STA / 010 AB - double-sided version



**Do not cross the railway lines**

RFI STA / 020 - one-sided version

RFI STA / 020 AB - double-sided version



**Vietato attraversare i binari**  
Servirsi del sottopassaggio  
**Do not cross the railway lines**  
Use the subway

**È vietato oltrepassare la linea gialla**

**Do not go beyond the yellow line**



**È vietato oltrepassare la linea gialla**  
**Do not go beyond the yellow line**

**È severamente proibito oltrepassare il termine del marciapiede** (art. 52 Reg. Polizia Ferroviaria)

**It is strictly forbidden to go beyond the end of the platform** (art. 52 Reg. Railway Police)



**È severamente proibito oltrepassare il termine del marciapiede** (art. 52 Reg. Polizia Ferroviaria)  
**It is strictly forbidden to go beyond the end of the platform** (art. 52 Reg. Railway Police)

ALL THE SIGNALS AND GRAPHICS AVAILABLE IN "SIGNALLING SYSTEM FOR DESIGN AND REALIZATION OF SIGNAGE IN RAILWAY STATIONS" MANUAL CAN BE SUPPLIED.

## ORIENTATION SIGNBOARDS FOR STATIONARY SPOT

### DIMENSIONS OF PROHIBITION SIGNS FOR PLATFORMS AND ORIENTATION SIGNBOARDS FOR STATIONARY SPOT

CODE	RFI STB / 010 - 050
LENGTH X WIDTH	400 x 400
ALUMINUM THICKNESS	2,5

BOXED ALUMINUM BASE WITH APPLICATION OF CERTIFIED R2 CLASS REFLECTIVE FILM WITH HIGH LUMINOUS RESPONSE.



RFI STB / 010

Orientation signboard for trains' stationary spot in stations.



RFI STB / 050

Orientation signboard for ETR trains' stationary spot in transit and railhead stations.

## AVAILABLE SIGNALLING SYSTEM SOLUTIONS

- 1 FLAT ONE-SIDED WALL-MOUNTING SIGN
- 2 BOXED ONE-SIDED WALL-MOUNTING SIGN
- 3 BOXED ONE-SIDED FLAG-TYPE SIGN
- 4 BOXED DOUBLE-SIDED FLAG-TYPE SIGN
- 5 BOXED ONE-SIDED CEILING-MOUNTING OR PENSILINE SIGN
- 6 BOXED DOUBLE-SIDED CEILING-MOUNTING OR PENSILINE SIGN
- 7 BOXED ONE-SIDED GATE-TYPE SIGN
- 8 BOXED DOUBLE-SIDED GATE-TYPE SIGN
- 9 TOTEM



Verona  
Porta Vescovo

Station's rules



**Vietato attraversare i binari**  
Servirsi del sottopassaggio  
**Do not cross the railway lines**  
Use the subway







## CUSTOMIZED F.S. GROUP SIGNS FOR VIDEO SURVEILLANCE

New GDPR General Regulations, concerning the Protection of Personal Data (EU) 2016/679.

## DIMENSIONS OF CUSTOMIZED VIDEO SURVEILLANCE SIGNS (MM)

CODE	SIZE	MATERIAL
RFI VDS / 010	210 x 297 mm	0,5 mm thick aluminum
RFI VDS / 010 S	210 x 297 mm	Self-adhesive pvc sheet
RFI VDS / 9.. K	120 x 180 mm	0,5 mm thick aluminum
RFI VDS / 9.. X	200 x 300 mm	0,5 mm thick aluminum
RFI VDS / 9.. Y	333 x 500 mm	0,5 mm thick aluminum
RFI VDS / 9.. Z	400 x 600 mm	0,5 mm thick aluminum
RFI VDS / 9.. KS	120 x 180 mm	Self-adhesive pvc sheet
RFI VDS / 9.. XS	200 x 300 mm	Self-adhesive pvc sheet
RFI VDS / 9.. YS	333 x 500 mm	Self-adhesive pvc sheet
RFI VDS / 9.. ZS	400 x 600 mm	Self-adhesive pvc sheet



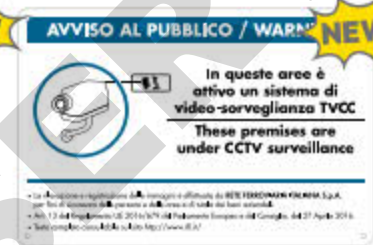
RFI VDS / 010



RFI VDS / 900



RFI VDS / 950



RFI VDS / 990

## VIDEO SURVEILLANCE SIGNS

New GDPR General Regulations, concerning the Protection of Personal Data (EU) 2016/679.

## DIMENSIONS OF VIDEO SURVEILLANCE SIGNS (MM)

CODE	SIZE	MATERIAL
22..	120 x 180 mm	0,5 mm thick aluminum
33..	300 x 200 mm	0,5 mm thick aluminum

HIGH RESISTANCE AND DURABILITY OF MATERIALS. FEATURES ON PAGE 10.



33358



33368



22018



33328



33348



33378



33388



33398





# FLOOR PLAN HOLDER PLATES, FRAMES FOR SHEETS AND NOTICE BOARDS

Train stations signage

## FLOOR PLAN HOLDER PLATE

- ♦ On request, We can redesign and produce your floor plan according to the UNI ISO 23601: 2009 Standard (ask for a price quote).
- ♦ Custom graphic layouts can be produced by us in digital printing, as long as valid executive files are provided.



**1 POLYCARBONATE MADEN FLOOR PLAN HOLDER**

Clear polycarbonate base with transparent hard cover. Without side frames, flat profile and light. To be attached to the walls with screws or double-sided tape (included in the supply). For vertical and horizontal use.

**TKPD420** - plate with A3 format (dimensions 420 x 297 mm)



**2 ACRYLIC MADEN FLOOR PLAN HOLDER**

Composed by two acrylic panels and anodized silver screw spacers. Easy to install using spacers (included in the supply). For vertical and horizontal use.

**TDC460** - plate size 460 x 300 mm (for A3 paper cards)

## 3 DOUBLE-SIDED EASEL FRAME

### 32 mm profile

Natural anodised, double-sided easel frame with rounded corners. Maximum stability on metal legs; very resistant thanks to the steel back base.

**SMCT32** - for 500 x 700 mm sheets; external dimensions 545 x 744 x 1120 mm

**SMCT33** - for 700 x 1000 mm sheets; external dimensions 745 x 925 x 1406 mm



## 4 INFOBOX FRAME

Interchangeable self-manageable communication system for: programs, events, price lists, notices, tables, etc. It can contain up to 10 sheets. The color of the frame can be used to characterize the different types of communication. To be attached to the wall, using screws (not included in the supply). Transparent front protection.

**INFOA4** - A4 Infobox frame. Coloris **1** grey **8** blue

## NOTICE BOARDS AND FRAMES

### 5 OUTDOOR NOTICE BOARD

**SMBT54** - set up for 4 A4 sheets, dimensions 521 x 696 mm

**SMBT56** - set up for 6 A4 sheets, dimensions 741 x 696 mm

**SMBT58** - set up for 8 A4 sheets, dimensions 961 x 696 mm

**SMBT512** - set up for 12 A4 sheets, dimensions 961 x 1004 mm (2 locks)

### 6 INDOOR POP-OUT FRAMES 20 MM PROFILE

**SMCT148** - set up for 1 A5 sheet, dimensions 178 x 240 mm

**SMCT210** - set up for 1 A4 sheet, dimensions 240 x 327 mm

**SMCT297** - set up for 1 A3 sheet, dimensions 327 x 450 mm

**SMCT500** - set up for 1 500x700 mm sheet, dimensions 530 x 730 mm

### INDOOR POP-OUT FRAMES 32 MM PROFILE

**SMCT700** - set up for 1 700x1000 mm sheet, dimensions 745 x 1045 mm

**SMCT701** - set up for 1 1000x1400 mm sheet, dimensions 1045 x 1445 mm







## FLOOR PLANS

3 mm thick composite panel: aluminum base and digital printing on (reflective or non-reflective) RA1 class PVC film with normal light response.



**SXD1200600P** - floor plan 1200 x 600 mm, printed on 1 mm thick hard PVC



**SXD1500750A** - floor plan 1500 x 750 mm

**SXD1500750AR** - floor plan 1500 x 750 mm, printed on RA1 reflective film



**SXD1000600A** - floor plan 1000 x 600 mm

**SXD1000600AR** - floor plan 1000 x 600 mm, printed on RA1 reflective film

### OTHER AVAILABLE FORMATS:

- 210 X 297 MM (A4)
- 297 X 420 MM (A3)
- 420 X 594 MM (A2)
- 594 X 841 MM (A1)
- 841 X 1189 MM (A0)
- CUSTOM SIZE ON REQUEST



**SXD1500900A** - floor plan 1500 x 900 mm

**SXD1500900AR** - floor plan 1500 x 900 mm, printed on RA1 reflective film



**RFIPTPLNW** - painted aluminum floor plans container.  
Dimensions (mm): 1220 x 800 x 180



**SXD600500A** - floor plan 600 x 500 mm

**SXD600500AR** - floor plan 600 x 500 mm, printed on RA1 reflective film

FLOOR PLAN PRINTED  
ON RA1 REFLECTIVE  
FILM IS COVERED WITH  
ANTI-UV LAYER.

## INDOOR AND OUTDOOR FLOOR PLANS HOLDING SUPPORTS

Self-supporting structure with anodized aluminum poles and feet for indoor or outdoor installation. Available in single-sided or double-sided version. ask for a price quote.



Code SXR...



# SYMBOLS AND MEANING OF PROHIBITION SIGNS



General prohibition sign



No smoking



Not drinking water



No thoroughfare



No open flame; fire, open ignition source and smoking prohibited



Do not extinguish with water



No access for forklift trucks and other industrial vehicles



Do not touch



No reaching in



No eating or drinking



No pushing



No sitting



No stepping on surface



Do not use this incomplete scaffold



Do not use lift in the event of fire



Do not use this lift for people



No heavy load



Do not obstruct



No photography



No access for people with active implanted cardiac devices



No access for people with metallic implants



No metallic articles or watches



No dogs



No activated mobile phones



Do not wear gloves



Do not tie knots in rope



Do not alter the state of the switch



Do not use for face grinding



Do not use for wet grinding



Do not use with hand-held grinding machine



Do not use this device in a bathtub, shower or water-filled reservoir



Do not walk or stand here





## DIMENSIONS OF PROHIBITION SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
BOARD SIZE	115	166	270
SYMBOL SIZE	110	160	260
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



**E13 00 KWX**  
P001



**E13 01 KWX**  
P002



**E13 02 KWX**  
P027



**E13 03 KWX**  
P003



**E13 04 KWX**  
P004



**E13 05 KWX**  
P003



**E13 06 KWX**  
P011



**E13 07 KWX**  
P030



**E13 10 KX**  
P022



**E13 15 KWX**  
P010



**E13 21 KWX**  
P006



**E13 23 X**  
P029



**E13 25 KWX**  
P021



**E13 28 KWX**  
P007



**E13 29 KW**  
P014



**E13 30 KW**  
P008



**E13 35 KWX**  
P023



**E13 38 KWX**  
P013



**E13 39 KWX**  
P015



**E13 40 KWX**  
P012



**E13 41 KWX**  
P017



**E13 43 KWX**  
P032



**E13 44 X**  
P028



**E13 45 KWX**  
P018



**E13 46 KWX**  
P019



**E13 47 KWX**  
P020



**E13 48 KWX**  
P024



**E13 49 KWX**  
P025



**E13 491 KWX**  
P034



**E13 492 KWX**  
P026



**E13 493 KWX**  
P031



**E13 494 KWX**  
P033

OTHER SIGNS AVAILABLE ON REQUEST. PLEASE ASK FOR A QUOTE [CS@CARTELL.IT](mailto:CS@CARTELL.IT)

FNN (FUNCTIONAL REFERENCE NUMBER): NUMBER TO IDENTIFY UNIVOCALLY.





# PROHIBITION SIGNS

Safety Signage

## DIMENSIONS OF PROHIBITION SIGNS (MM)



VIEWING DISTANCE (M)	4	10
SIZE (L X W)	350 x 125	333 x 500
ALUMINIUM THICKNESS	0,5	0,7
SIZE CODE	K	X

## MATERIALS



All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).



HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



EYE 18 01 KX



EYE 18 06 KX



EYE 18 17 KX



EYE 18 22 KX



EYE 18 23 KX



EYE 18 26 KX



EYE 18 39 K



EYE 18 47 K



EYE 18 60 K



EYE 18 79 KX



EYE 18 341 KX



EYE 18 345 KX



EYE 18 346 KX



EYE 18 349 KX



EYE 18 45 KX



EYE 18 46 KX



EYE 18 340 KX



EYE 18 81 K



EYE 18 82 K

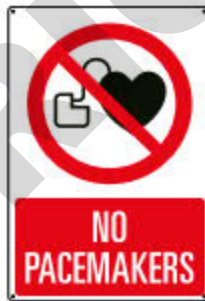


EYE 18 021 K





EYE 18 084 K



EYE 18 2801 KX



EYE 18 2901 KX



EYE 18 2101 KX



EYE 18 3001 KX



EYE 18 075 K



EYE 18 4401 KX



EYE 18 307 KX



EYE 18 493 KX



EYE 18 343 KX



EYE 18 494 KX



EYE 18 491 KX



EYE 18 348 KX

## Prohibition signs with french writing



EYF1801 K



YF1808 K



EYF1822 K



EYF1823 KX



YF1830 K



YF1831 K



EYF1839 K



EYF18043 K



# SYMBOLS AND MEANING OF MANDATORY SIGNS



General mandatory action sign



Wear eye protection



Matt eye protection must be worn



Protect infants' eyes with matt eye protection



Wear head protection



Wear respiratory protection



Wear a mask



Wear protective gloves



Wear safety footwear



Wear ear protection



Wear a face shield



Wear a welding mask



Wear protective clothing



Use protective apron



Wear high-visibility clothing



Wash your hands



Use barrier cream



Use this walkway



Use handrail



Refer to instruction manual/booklet



Wear a safety harness



Connect an earth terminal to the ground



Disconnect mains plug from electrical outlet



Wear safety belts



Disconnect before carrying out maintenance or repair



Use footbridge





## DIMENSIONS OF MANDATORY SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
BOARD SIZE	115	166	270
SYMBOL SIZE	110	160	260
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



**E13 50 KWX**  
MD01



**E13 51 KWX**  
MD04



**E13 52 KWX**  
MD14



**E13 53 KWX**  
MD17



**E13 54 KWX**  
MD09



**E13 55 KWX**  
MD08



**E13 56 KWX**  
MD03



**E13 58 KWX**  
MD13



**E13 61 KWX**  
MD10



**E13 64 KX**  
MD11



**E13 73 KWX**  
MD21



**E13 79 KWX**  
MD18



**E13 80 KW**  
MD05



**E13 81 KWX**  
MD24



**E13 86 KWX**  
MD07



**E13 87 K**  
MD25



**E13 88 KX**  
MD19



**E13 89 KWX**  
MD16



**E13 91 KWX**  
MD06



**E13 92 KWX**  
MD22



**E13 93 KWX**  
MD02



**E13 94 KWX**  
MD20



**E13 95 KWX**  
MD23



**E13 96 KWX**  
MD26



**E13 97 KWX**  
MD12



**E13 98 KWX**  
MD15

OTHER SIGNS AVAILABLE ON REQUEST. PLEASE ASK FOR A QUOTE CS@CARTELL.IT

FRN (FUNCTIONAL REFERENCE NUMBER): NUMBER TO IDENTIFY UNIVOCALLY.





# MANDATORY SIGNS

Safety Signage

## DIMENSIONS OF PROHIBITION SIGNS (MM)



VIEWING DISTANCE (M)	4	10
SIZE (L X W)	350 x 125	333 x 500
ALUMINIUM THICKNESS	0,5	0,7
SIZE CODE	K	X

## MATERIALS



All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).



HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



EYE 19 61 K



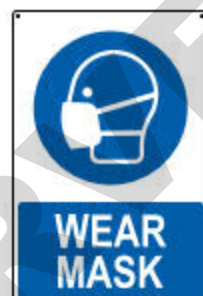
EYE 19 01 KX



EYE 19 02 K



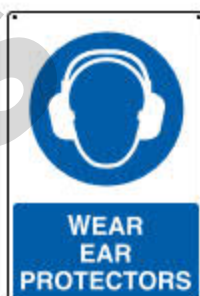
EYE 19 03 K



EYE 19 1601 K



EYE 19 04 KX



EYE 19 06 KX



EYE 19 05 KX



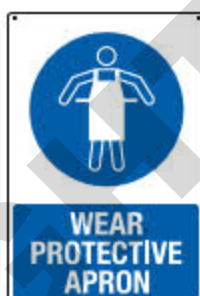
EYE 19 08 KX



EYE 19 69 KX



EYE 19 11 K



EYE 19 2601 KX



EYE 19 1501 KX



EYE 19 1101 KX



EYE 19 2201 KX



EYE 19 56 KX



EYE 19 1201 KX



EYE 19 0201 KX



EYE 19 07 KX



EYE 19 22 KX





EYE 19 1601 K



EYE 19 9101 KX



EYE 19 2001 KX



EYE 19 21 KX



EYE 19 2301 KX

## Multisymbol mandatory signs

### DIMENSIONS OF MULTISYMBOL MANDATORY SIGNS (MM)

SIZE CODE	EYE 26...
SIZE (B X H)	500x333
ALUMINIUM THICKNESS (MM)	0,7
MATERIAL	ALUMINIUM

### MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



EYE 26 52



EYE 26 56



PPE PRODUCTS AVAILABLE ON PAGES 92-111.

## Mandatory signs with french writing



EYF1901 K



EYF1904 K



EYF1905 K



EYF1906 K



# SYMBOLS AND MEANING OF WARNING SIGNS



General warning sign



Flammable material, warning



Explosive material, warning



Pressurized cylinder, warning



Guard dog, warning



Toxic material, warning



Corrosive substance, warning



Radioactive material or ionizing radiation, warning



Electricity, warning



Overhead load, warning



Forklift trucks and other industrial vehicles, warning



Laser beam, warning



Slippery surface, warning



Floor-level obstacle, warning



Drop (fall), warning



Overhead obstacle, warning



Crushing, warning



Crushing of hands, warning



Sharp element, warning



Oxidizing substance, warning



Magnetic field, warning



Non-ionizing radiation, warning



Counterrotating rollers, warning



Automatic start-up, warning



Battery charging, warning



Biological hazard, warning



Low temperature/freezing conditions, warning



Hot surface, warning



Optical radiation, warning





## DIMENSIONS OF WARNING SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
SIDE	140	210	350
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



**E11 01 KWX**  
W001



**E11 02 KWX**  
W021



**E11 03 KWX**  
W002



**E11 04 KWX**  
W016



**E11 05 KWX**  
W023



**E11 06 KWX**  
W003



**E11 07 KWX**  
W012



**E11 08 KWX**  
W015



**E11 09 KWX**  
W014



**E11 10 KWX**  
W004



**E11 12 KWX**  
W013



**E11 14 KWX**  
W011



**E11 16 KWX**  
W024



**E11 18 KX**  
W028



**E11 27 KX**  
W006



**E11 28 KWX**  
W005



**E11 30 X**  
W026



**E11 31 KX**  
W009



**E11 36 KX**  
W010



**E11 37 KWX**  
W007



**E11 38 KWX**  
W008



**E11 39 KWX**  
W017



**E11 42 K**  
W018



**E11 43 KWX**  
W019



**E11 44 KWX**  
W020



**E11 45 WX**  
W027



**E11 46 KWX**  
W022



**E11 47 KWX**  
W025



**E11 48 KWX**  
W029

**FRN (FUNCTIONAL REFERENCE NUMBER): NUMBER TO IDENTIFY UNIVOCALLY.**





# WARNING SIGNS

Safety Signage

## DIMENSIONS OF WARNING SIGNS (MM)

VIEWING DISTANCE (M)	4	10
SIZE (L X W)	350x125	333x500
ALUMINIUM THICKNESS	0,5	0,7
SIZE CODE	K	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



EYE 17 10 KX



EYE 17 15 K



EYE 17 2901 KX



EYE 17 1201 K



EYE 17 19 K



EYE 17 20 KX



EYE 17 22 K



EYE 17 31 K



EYE 17 51 X



EYE 17 53 KX



EYE 17 55 KX



EYE 17 59 KX



EYE 17 127 KX



EYE 17 38 KX



EYE 17 2001 KX



EYE 17 1901 KX



EYE 17 60 KX



EYE 17 2201 KX



EYE 17 2701 KX



EYE 17 141 K



EYE 17 01 KX



EYE 17 133 KX



EYE 17 117 KX



EYE 17 202 K



EYE 17 123 K



EYE 17 2701 KX



EYF17 31 K



YF1765 K



EYF17 98 K



EYF17123 K

## Warning signs with french writing





## DIMENSIONS OF EMERGENCY AND FIRE SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
BOARD SIZE	120	160	250
SYMBOL SIZE	100	140	230
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).



HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



**E15 101 KWX**  
First aid  
E003 ●



**E15 102 KWX**  
Safety shower  
E012 ●



**E15 103 KWX**  
Eyewash station  
E011 ●



**E15 104 KWX**  
Arrow



**E15 105 KWX**  
Diagonal arrow



**E15 112 KWX**  
Break to obtain access  
E008 ●



**E15 116 KWX**  
Emergency telephone  
E004 ●



**E15 118 KWX**  
Doctor  
E009 ●



**E15 119 KWX**  
Rescue window  
E016 ●



**E15 120 KWX**  
Emergency window  
with escape ladder  
E017 ●



**E15 122 KWX**  
Turn anticlockwise to open  
E018 ●



**E15 123 KWX**  
Turn clockwise to open  
E019 ●



**E15 153 KWX**  
Emergency exit (right hand)  
E002 ●



**E15 154 KWX**  
Emergency exit (left hand)  
E001 ●



**E15 156 KX**  
Automated external heart  
defibrillator  
E010 ●



**E15 179 KWX**  
Stretcher  
E013 ●



**E15 180 WX**  
Evacuation assembly point  
E007 ●



**E15 107 KWX**  
Fire extinguisher  
F001 ●



**E15 111 KX**  
Collection of fire fighting  
equipment  
F004 ●



**E15 115 KWX**  
Fire hose reel  
F002 ●



**E15 117 KWX**  
Fire alarm call point  
F005 ●



**E15 167 KWX**  
Fire emergency telephone  
F006 ●



**E15 168 X**  
Fire ladder  
F003 ●

SYMBOLS E15 153, E15 154, E15 20105 AND E15 20106 ARE TO BE USED IN COMBINATION WITH ARROWS E15 104 AND E15 105. EXAMPLES:



● FRN (FUNCTIONAL REFERENCE NUMBER): NUMBER TO IDENTIFY UNIVOCALLY.





# EMERGENCY AND FIRE SIGNS

Safety Signage

## DIMENSIONS OF EMERGENCY AND FIRE SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
CODE 20 SYMBOL SIZE (L x W)	100	140	230
CODE 20 BOARD SIZE (L x W)	120 x 145	-	250 x 310
CODE 16 SYMBOL SIZE (L x W)	-	205 x 85	345 x 145
CODE 16 BOARD SIZE (L x W)	-	220 x 100	370 x 170
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS (PAGE 10).



EYE 16 125 W



EYE 16 133 W



EYE 20 101 KX



EYE 20 103 KX



EYE 20 104 KX



EYE 20 105 KX



EYE 20 106 KX



E20 109 KX



EYE 20 153 KX



EYE 20 154 KX



EYE 20 0401 KX



EYE 20 0801 KX



EYE 20 0901 KX



EYE 20 1601 KX



EYE 20 1701 KX



EYE 20 1801 KX



EYE 20 1901 KX



EYE 20 118 KX



EYE 20 119 KX



EYE 20 157 KX



EYE 20 159 X



E 20 163 KX



EYE 20 174 KX

## Emergency and fire signs with french writing



EYF 20 124 KX



EYF 20 140 KX



EYF 20 156 KX



EYF 20 163 KX



EYF 20 179 KX



EYF 20 105 KX



EYF 20 106 KX



YF 16 101 KX





## Photoluminescent signs **CARTLUX® STAR**

D.Lgs 81/2008 "In case of emergency all escape routes must be safety and effectively used by using photoluminescent signs." In the event of power loss this signs effectively and efficiently provides escape route illumination. Normal office or warehouse is sufficient to charge these signs. Once charged with ordinary light they can be seen in total darkness. Main benefit: enable employee and visitor to clearly identify escape routes.

### DIMENSIONS OF PHOTOLUMINESCENT SIGNS (MM)



VIEWING DISTANCE (M)	4	6	10
BOARD SIZE	120	160	250
SYMBOL SIZE	100	140	230
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

### MATERIALS



All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).



HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



**ELS 15 104 KW**  
Arrow



**ELS 15 105 KW**  
Diagonal arrow



**ELS 15 101 KW**  
First aid



**ELS 15 156 KW**  
Automated external heart defibrillator



**ELS 15 102 KW**  
Safety shower



**ELS 15 103 KW**  
Eyewash station



**ELS 15 153 KW**  
Emergency exit (right hand)



**ELS 15 154 KW**  
Emergency exit (left hand)



**ELS 15 179 KW**  
Stretcher



**ELS 15 180 KW**  
Evacuation assembly point



**ELS 15 112 KW**  
Break to obtain access



**ELS 15 118 KW**  
Doctor



**ELS 15 119 KW**  
Rescue window



**ELS 15 120 KW**  
Emergency window with escape ladder



**ELS 15 122 KW**  
Turn anticlockwise to open



**ELS 15 123 KW**  
Turn clockwise to open



**ELS 15 116 KW**  
Emergency telephone



**ELS 15 107 KW**  
Fire extinguisher



**ELS 15 111 KW**  
Collection of firefighting equipment



**ELS 15 115 KW**  
Fire hose reel



**ELS 15 117 KW**  
Fire alarm call point



**ELS 15 167 KW**  
Fire emergency telephone



**ELS 15 168 KW**  
Fire ladder

SYMBOLS ELS15153, ELS15154, EYELS20105 AND EYELS20106 ARE TO BE USED IN COMBINATION WITH ARROWS ELS 15 104 AND ELS 15 105. EXAMPLES:







## DIMENSIONS OF PHOTOLUMINESCENT SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
CODE 20 SYMBOL SIZE (L x W)	100	140	230
CODE 20 BOARD SIZE (L x W)	120 x 145		
CODE 16 SYMBOL SIZE (L x W)	-	205 x 85	345 x 145
CODE 16 BOARD SIZE (L x W)	-	220 x 100	370 x 170
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size W is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code). The luminance performance is about 130 mcd/m<sup>2</sup> (+/- 5%).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



EYELS 20 101 KX



ELS 20 109 KX



EYELS 20 103 KX



EYELS 20 104 KX



EYELS 20 105 KX



EYELS 20 106 KX



EYELS 20 154 KX



EYELS 20 153 KX



EYELS 20 0801 KX



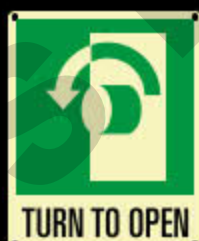
EYELS 20 0901 KX



EYELS 20 1601 KX



EYELS 20 1701 KX



EYELS 20 1801 KX



EYELS 20 1901 KX



EYELS 20 0401 KX



EYELS 20 118 KX



EYELS 20 119 KX



EYELS 20 157 KX



EYELS 20 174 KX



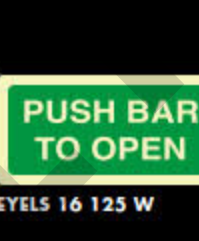
ELS 20 163 KX



EYELS 20 159 X



EYELS 16 120 WX



EYELS 16 125 W



EYELS 16 101 X



EYELS 16 133 W





## DIMENSIONS OF EMERGENCY EXIT SIGNS (MM)

VIEWING DISTANCE (M)	4	6	10
CODE E715... SYMBOL SIZE (L x W)	200 x 100	280 x 140	460 x 230
CODE E715... BOARD SIZE (L x W)	220 x 120	300 x 160	480 x 250
CODE E720... SYMBOL SIZE (L x W)	300 x 100	420 x 140	690 x 230
CODE E720... BOARD SIZE (L x W)	320 x 120	440 x 160	710 x 250
ALUMINIUM THICKNESS	0,5	0,5	0,5
SIZE CODE	K	W	X

## MATERIALS

All signs are available in aluminium in the sizes indicated below each part number. Size K is available in adhesive PVC in packs of 5 pieces (please specify the suffix S, after the item code).

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.



E715 101 KWX



E715 102 KWX



E715 103 KWX



E715 104 KWX



E715 105 KWX



E715 106 KWX



E715 107 KWX



E715 108 KWX



E720 201 KWX



E720 202 KWX



E720 203 KWX



E720 204 KWX



E720 205 KWX



E720 206 KWX



E720 207 KWX



E720 208 KWX



E720 301 KWX



E720 302 KWX



E720 303 KWX



E720 304 KWX



E720 305 KWX



E720 306 KWX



E720 307 KWX



E720 308 KWX

## PHOTOLUMINESCENT EMERGENCY EXIT SIGNS

IN CASE OF EMERGENCY ALL ESCAPE EXIT MUST BE CLEARLY MARKED AND IDENTIFIABLE. ALL THE ABOVE SIGNS CAN BE ORDER IN PHOTOLUMINESCENT VERSION JUST ADDING "LS" IN EVERY CODES BETWEEN THE LETTER "E" END THE NUMBER PART. EXAMPLES:

E715 101 K



EL5715 101 K

E720 201 W



EL5720 201 W

E720 301 X



EL5720 301 X



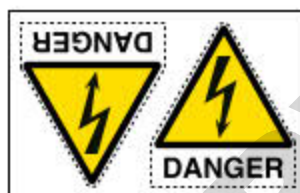


# SELF ADHESIVE LABELS, DANGEROUS SUBSTANCE SIGNS

Safety Signage

## DIMENSIONS OF WARNING LABELS (MM)

SIZE	A	B
SHEET	250 x 175	250 x 80
TRIANGLE SIZE	120	57
LABE SIZE	120x 53	57x73



SIZE A



SIZE B



## Warning labels and signs with french writing



## Dangerous substance aluminium signs

### DIMENSIONS OF D.S. SIGNS (MM)

CODE	EYE27...
SIZE	500 x 333
ALUMINUM THICKNESS	0,7



HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.

OTHER SIGNS AVAILABLE ON REQUEST. PLEASE ASK FOR A PRICE QUOTE TO [CS@CARTELLIT](mailto:CS@CARTELLIT)





## DIMENSIONS OF ADHESIVE LABELS (MM)

SIZE	A	B
SHEET	250 x 160	250 x 80
LABEL (L x W)	125 x 160	61 x 80
SYMBOL	Ø 117	Ø 57



SIZE A



SIZE B



EYE 95 210



EYE 95 202



EYE 95 204



EYE 95 206



EYE 95 209



EYE 95 210



EYE 95 213



EYE 95 231



EYE 95 232



EYE 95 233



EYE 95 234



EYE 95 235



EYE 95 236



EYE 95 237



EYE 95 239



EYE 95 242

HIGH RESISTANCE AND DURABILITY OF MATERIALS. SEE PAGE 10.

## Prohibition and mandatory labels with french writing



EYF95201



YF95203



YF95205



YF95208



EYF95209



EYF95210



YF95217



EYF95231



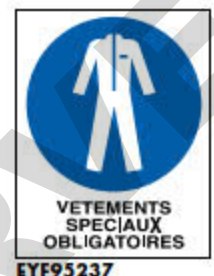
EYF95232



EYF95233



EYF95235



EYF95237





## I.M.O. (International Maritime Organization)

### DIMENSIONS OF PHOTOLUMINESCENT SIGNS (MM)

CODE	L15.. XP	L97.. P	L97.. S	L98.. P	L98.. S
SIZE (LxW)	250 x 250 mm	75 x 150 mm	75 x 150 mm	150 x 150 mm	150 x 150 mm
MATERIAL	CARTLUX® Rigid	CARTLUX® Rigid	CARTLUX® Vinyl	CARTLUX® Rigid	CARTLUX® Vinyl

### MANDATORY SIGNS

Actions required on survival craft.



**L9810**

Fasten seat belts



**L9811**

Secure hatches



**L9812**

Start engine



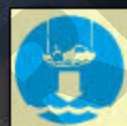
**L9813**

Lower lifeboat to water



**L9814**

Lower liferaft to water



**L9815**

Lower rescue boat to water



**L9816**

Release falls



**L9817**

Start water-spray



**L9818**

Start air supply



**L9819**

Release gripes

### EMERGENCY SIGNS

Indication of emergency equipment and collection points on the ship.



**L9710**

Embarkation station



**L9710**

Arrows



Example:

**L15181X**

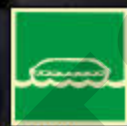
A - L15181 X  
B - L15182 X  
C - L15183 X  
D - L15184 X  
E - L15185 X  
F - L15186 X  
G - L15187 X  
H - L15188 X  
I - L15189 X  
L - L15190 X  
M - L15191 X  
N - L15192 X  
O - L15193 X



Example:

**L9704**

0 - L9700  
1 - L9701  
2 - L9702  
3 - L9703  
4 - L9704  
5 - L9705  
6 - L9706  
7 - L9707  
8 - L9708



**L9830**

Lifeboat



**L9831**

Rescue boat



**L9832**

Liferaft



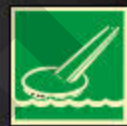
**L9833**

Davit-launched liferaft



**L9834**

Embarkation ladder



**L9835**

Evacuation slide



**L9836**

Lifebuoy



**L9837**

Lifebuoy with line



**L9838**

Lifebuoy with light



**L9839**

Lifebuoy with light and smoke



**L9840**

Lifejacket



**L9841**

Child's lifejacket



**L9842**

Immersion suit



**L9843**

Survival craft portable radio



**L9844**

EPIRB



**L9845**

Radar transponder



**L9846**

Survival craft pyrotechnic distress signals



**L9847**

Rocket parachute flares



**L9848**

Line throwing appliance



**L9849**

Muster station





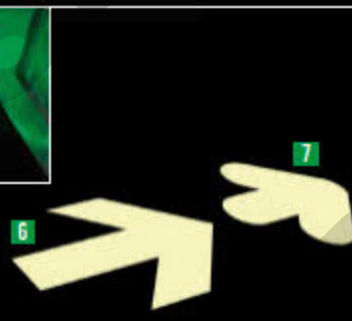
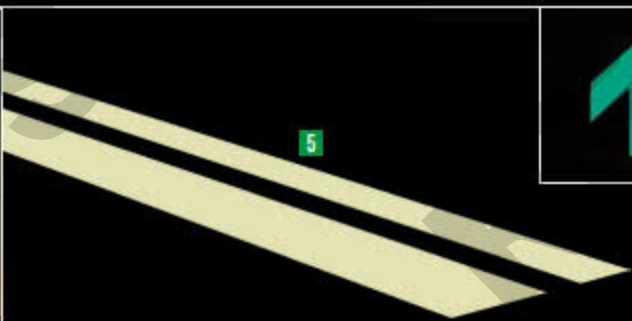
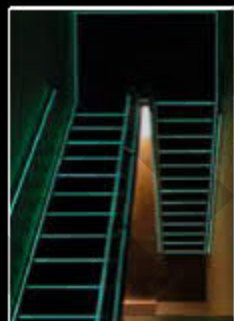
## Self-adhesive photoluminescent tapes and accessories

The high luminescent effect allows, in the event of a blackout, to signal in the most complete darkness: exits, thresholds, stairs, corridors, handles, electrical panels, safety or fire protection equipment, obstacles, etc. The alternating red or green stripes make the signalic tape usable even under normal light conditions.



### PHOTOLUMINESCENT TAPES

- 1 L9210 - tape, h 2 cm x 10 m
- L9410 - tape, h 4 cm x 10 m
- L9510 - tape, h 5 cm x 10 m
- 2 L9421 - yellow/red tape, h 4 cm x 10 m
- 3 L9422 - yellow/green tape, h 4 cm x 10 m
- 4 L9423 - tape with arrows, h 4 cm x 10 m

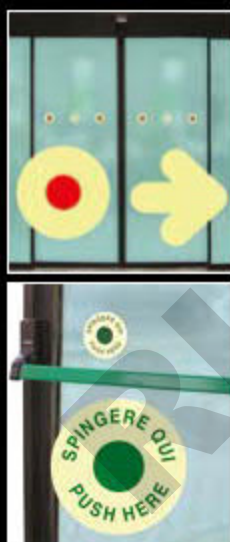
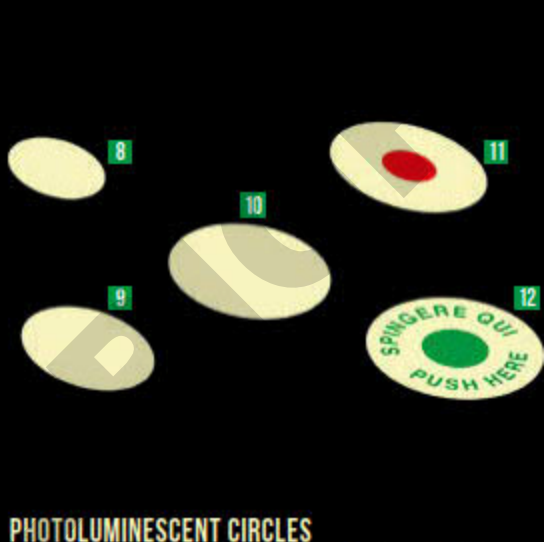


### PHOTOLUMINESCENT STRIPES

- L905 - strip 50 x 1000 mm, pack of 5 pieces
- L910 - strip 100 x 1000 mm

### PHOTOLUMINESCENT ARROWS

- 6 L9435 - sharp-corner arrow, 132 x 189 mm; minimum order: 10 pieces/multiples
- 7 L9430 - rounded-corner arrow, 107 x 105 mm; minimum order: 10 pieces/multiples



### PHOTOLUMINESCENT CIRCLES

- 8 L9440 - Ø 40 mm; minimum order: 10 pieces/multiples
- 9 L9465 - Ø 65 mm; minimum order: 10 pieces/multiples
- 10 L9475 - Ø 75 mm, pack of 10 pieces
- 11 L94751 - Ø 75 mm; minimum order: 10 pieces/multiples
- 12 L94752 - Ø 75 mm; minimum order: 10 pieces/multiples

### EMERGENCY EXIT

- 13 EL12033 D - emergency exit on the right, 120 x 330 mm; minimum order: 5 pieces/multiples
- 14 EL12033 S - emergency exit on the left, 120 x 330 mm; minimum order: 5 pieces/multiples



# CUSTOM SIGNS & LABELS

We manufacture signs and labels according to your specifications.  
Please ask for a quote, specifying size, material, quantity, colors and text.

## SIZE AND QUANTITY

Choose among the standard sizes in the table below or specify a different size.



### PROHIBITION - MANDATORY - WARNING SIGNS



333 x 500 mm  
500 x 700 mm



350 x 125 mm  
765 x 270 mm  
833 x 333 mm  
1400 x 435 mm  
1845 x 615 mm



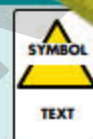
145 x 145 mm  
220 x 220 mm  
360 x 360 mm  
580 x 580 mm



115 x 140 mm  
166 x 210 mm  
270 x 330 mm  
435 x 530 mm



115 x 160 mm  
145 x 164 mm  
166 x 233 mm  
220 x 250 mm  
270 x 370 mm  
360 x 400 mm  
435 x 603 mm  
580 x 650 mm



115 x 178 mm  
145 x 182 mm  
166 x 262 mm  
220 x 280 mm  
270 x 430 mm  
360 x 450 mm  
435 x 678 mm  
580 x 730 mm

### EMERGENCY / FIRE AID



120 x 145 mm  
160 x 210 mm  
250 x 310 mm  
400 x 500 mm  
530 x 652 mm

### MULTISYMBOL - DANGEROUS SUBSTANCES



500 x 333 mm  
300 x 200 mm

### INFORMATION



350 x 125 mm  
300 x 200 mm  
200 x 150 mm

## TEXT AND SYMBOLS

You can choose among the wide range of pictograms in the catalogue or send your own symbol/logo. We also manufacture signs in different languages.



## PRINTING TECHNOLOGY

Silk screen printing, digital printing with UV protection, die-cut.



## MATERIAL'S CHOICE

Choose from different materials: 0,5 mm aluminium, self-adhesive PVC, boxed aluminium sheet, boxed steel sheet, rigid PVC. Finishes available: standard, photo-luminescent, reflective.







CUSTOMIZABLE VERSION  
AVAILABLE ON REQUEST.  
ASK FOR A PRICE QUOTE

MINIMAL SIZE,  
LIGHT AND EASILY  
TO CARRY!

## SIGN SUPPORT STAND KIT FOR RAPID INTERVENTION

Rapid intervention signage kit consisting of: re-closable galvanized steel  $\varnothing$  14 mm stand with sign (reflective prismatic class 1 or class 2 film). Practical, light, handy, extremely useful in emergency situations. Available with standard size (60cm triangle, 60cm disc or 60x60cm board) or, on request, with reduced size (40cm triangle, 40cm disc or 40x40cm board). Supplied with symbols of the Highway Code. Reduced size external dimensions: 40.5 x 40.5 cm; Standard size external dimensions: 63.5 x 63.5 cm. Accessories available on request:

- ◆ semi-rigid reinforced canvas bag, 45 x 47 cm, reduced
- ◆ semi-rigid reinforced canvas bag, 65 x 69 cm, standard

- 1** **CVGLR6...** - stand kit with 60 mm disc (reflective class 1 film): add desired symbol of Highway Code.)  
**CVGLH6...** - stand kit with 60 mm disc (reflective class 2 film): add desired symbol of Highway Code.)  
**CVGLR7...** - stand kit with 60 mm revolving disc (reflective class 1 film): add desired symbol of Highway Code.)  
**CVGLH7...** - stand kit with 60 mm revolving disc (reflective class 2 film): add desired symbol of Highway Code.)
- 2** **CVGLR8...** - stand kit with 60 mm triangle (reflective class 1 film): add desired symbol of H.C.)  
**CVGLH8...** - stand kit with 60 mm triangle (reflective class 2 film): add desired symbol of H.C.)  
**CVGLR9...** - stand kit with 60x60 mm board (reflective class 1 film): add desired symbol of H.C.)  
**CVGLH9...** - stand kit with 60x60 mm board (reflective class 1 film): add desired symbol of H.C.)

MORE SIGNS STANDS AVAILABLE ON PAGE 145.







# RESPIRATORY PROTECTION

Personal Protective Equipment (PPE)

## Aura™ 9300+ Comfort Serie

### LINE OF BREATHING APPARATUS FOR DUSTS 3M™ AURA™ 9300+

**Comfort on face and head:**  
design with three panels,  
it adapts to the different  
shapes of the face

**Clear view:**  
reduces fogging of the  
glasses

**Easy breathing:**  
low respiratory  
resistance

**Easy donning:**  
lower flap with tab



## 9310+ E 9312+



**For low-noxiousness dusts.** Packed individually. Filtering efficiency of 78% up to 4 times the TLV. Sectors of use: wood, cement, glass, mining, engineering, textile and building industries. **Standard: EN 149:2001+A1:2009. Class: FFP1 NR D.**

**1 AP9310** - minimum order 20 pieces/multiples

**2 AP9312** - like AP9310 **with valve.** Minimum order 10 pieces/multiples

## 9320+ E 9322+



**For noxious dusts, fumes and water-based mists.** Packed individually. Filtering efficiency of 92% up to 12 times the TLV. Sectors of use: production of wood, cement, glass, mining, foundries, building, agriculture, shipyards, chemical, pharmaceutical, ceramics, sawmills, refractory materials, production of metals. **Standard: EN 149:2001+A1:2009. Class: FFP2 NR D.**

**1 AP9320** - minimum order 20 pieces/multiples

**2 AP9322** - like AP9320 **with valve.** Minimum order 10 pieces/multiples

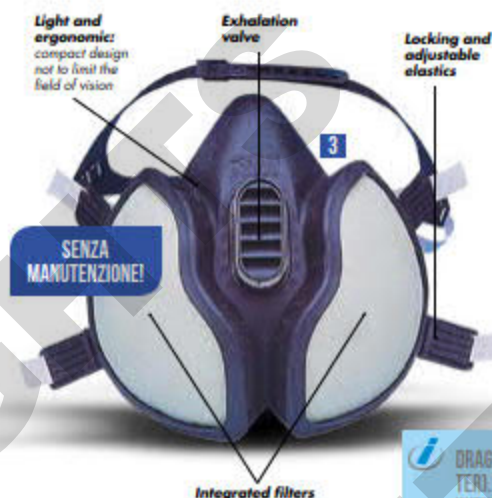
## 9330+ E 9332+



**For toxic dusts and fumes.** Packed individually. Filtering efficiency of 98% up to 50 times the TLV. Can be used in the presence of asbestos and toxic dusts where half-masks and full-face masks are not required. Sectors of use: engineering, building, welding, shipyards, chemical processes, pharmaceutical, foundries and steel plants. **Standard: EN 149:2001+A1:2009. Class: FFP3 NR D.**

**1 AP9330** - minimum order 20 pieces/multiples

**2 AP9332** - like AP9330 **with valve.** Minimum order 10 pieces/multiples



**DRAGER GUARANTEES ALL FILTERS FOR 4 YEARS (DATE PRINTED ON EACH FILTER). FILTERS THAT HAVE BEEN OPENED, EVEN IF NEVER USED, MUST BE USED WITHIN 6 MONTHS. REFERENCE STANDARD: EN 14387:2004 - EN 143:2000.**



## 3 4000 SERIES BREATHING APPARATUS



**AP4251** - breathing apparatus for organic vapors, specific for painting, powders and mists. Effective protection from: organic vapours with boiling point over 65°C in concentrations up to 1000 ppm or 10xTLV; from dusts and mists up to 10xTLV. Applications: spray painting, organic thinners, solvents (inks, adhesives) insecticides and pesticides, enamelling and gluing. **Class: FFA1P2R D.** In compliance with: EN405:2002+A1:2009. Package of 1 breathing apparatus

**AP4255** - breathing apparatus for organic vapors, specific for painting, powders and mists. Effective protection from: organic vapours with boiling point over 65°C in concentrations up to 5000 ppm or 10xTLV; from dusts and mists up to 50xTLV. Applications: spray painting, spraying insecticides and pesticides, enamelling and gluing, indoor decoration, agriculture, plastic materials, furniture manufacture, production and use of resins, boats in fibreglass. **Class: FFA2P3R D.** In compliance with: EN405:2002+A1:2009. Package of 1 breathing apparatus

## 4 X-PLORE 4790



Half mask with structure composed of three particular components; rigid base to support the filter, fast and comfortable wearing, anti-slip harness system. In compliance with EN140.

**RSD320** - X-PLORE 4790 half mask silicon maden, size M / L

**RSD6712** - A2 class filter

**RSD6719** - A1 - B1 - E1 - K1 class filter

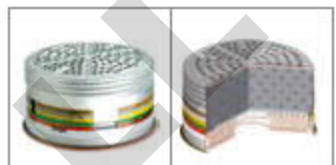
**RSD6729** - A1 - B1 - E1 - K1 - P2 R D class filter

**RSD6732** - A2 - P3 R D class filter

**RSD6734** - A2 - B2 - P3 R D class filter

**RSD6738** - A1 - B1 - E1 - K1 - HG - P3 R D class filter

**RSD7190** - P3 class filter



## X-PLORE 6300



Black NEOPRENE panoramic mask fitted with EN 148-1 unified standard threaded attachment for screw-in filters. Double-layer face seal, Plexiglas visor with a large field of vision. Fitted with speech diaphragm and flame guard in composite material, 5 length-adjustable straps. Weight 570 g. In compliance with EN 136.

**5 RSD999** - X-PLORE 6300 mask

**6 RSD51019** - container for full face mask suitable to contain mask + filter or dispensing group, with adjustable strap in flexible plastic material

**RSD2974** - P3 class filter

**RSD5470** - A2 - B2 - E2 - K2 - HG - P3 R D class filter

**RSD5812** - A1 - B2 - E2 - K1 - HG - CO 20 - NO - P3 R D class filter

**RSD5871** - A2 - B2 - E2 - K1 class filter

**RSD5874** - A2 - B2 - E2 - K1 - P2 R D class filter

**RSD5895** - A2 - P3 R D class filter

**RSD5896** - A2 - B2 - P3 R D class filter

**RSD5903** - AX - P3 R D class filter

**RSD5904** - AX class filter

**RSD7381** - A2 class filter

**RSD7390** - K2 - P2 R D class filter

**RSD8856** - K2 class filter

**RSD9182** - A2 - B2 class filter







## CLEANSPACE™ BREATHING APPARATUS

Innovative and certified positive pressure breathing apparatus, with HEPA filtration (99.95% efficiency) for maximum protection in the workplace. The lithium-polymer ion batteries allow up to 8 hours duration (for an entire work shift).

Extremely comfortable and easy to wear, it provides a fresh and clean flow of air according to the breathing rhythm of the moment. A control software reacts to the need for air supply, allowing a fresh and easy breathing and at the same time a high efficiency and durability of the filter, even in the most difficult working environments.

Equipped with an audible alarm for clogged filter. Resistant, reliable, light (500 grams), no maintenance or technical assistance, easy to clean. Simple push-button activation. Compact design, wide field of vision.

System in compliance with the standard: EN12942: 1998 + A2: 2008.

Powerful micro engine turbine 200 L / min. air

Single button system for a simple operation

Safe and efficient polymer lithium ion battery. Up to 8 hours, rechargeable

Neither pipes nor straps, No need for maintenance

Solid and resistant

Activated by breathing

Assisted ventilation with positive pressure



### 1 CLEANSPACE™ 2



**APCS34** - for industrial applications: building industry, manufacturing industry, maintenance / cleaning, metallurgy (to be combined with: APCS33 half mask or APCS14 full face mask)



### 2 CLEANSPACE™ EX



**APCS60** - for environments with high risk of explosion: Oil & Gas, chemical industry, petrochemical (to be combined with: APCS33 half mask or APCS14 full face mask). In compliance with the standard: EN60079 II 2sG Ex ib IIB T4 Gb



### 3 CLEANSPACE™ ULTRA



**APCS70** - for decontamination and welding: asbestos (level 1), chemical / biological products, pharmaceuticals, energy sector. IP66 for use in decontaminating showers (to be combined with: APCS33 half mask or APCS14 full face mask APCS14)



### 4 HALF MASK



**APCS33** - half-mask available in 3 sizes: **S**=small, **M**=medium, **L**=large to be added to CleanSpace™ system



### 5 FULL FACE MASK



**APCS14** - complete protection of the face, high resistance to impacts. For industrial environments, asbestos, chemicals. Compatible with CleanSpace™ EX (APCS70) and CleanSpace™ Ultra (APCS60).

## FILTERS FOR ALL CLEANSPACE™ MODELS

**6 APCS35** - TM3 P3 HEPA filter

**7 APCS37** - high capacity P3 HEPA filter

**8 APCS38** - adapter for gas filters and P3 HEPA filters with high capacity

**APCS50** - TM3 A1 P SL R filter

**APCS77** - TM3 A2 P SL R filter

**APCS51** - TM3 ABE1 P SL R filter

**APCS52** - TM3 ABEK1 P SL R filter







## RESPIRATORY AND EYE PROTECTION

Personal Protective Equipment (PPE)

### ELIPSE Respiratory protection systems

Elipse masks are an important innovation on the market. They are among the lightest masks in their category; thanks to the ergonomic shape, they allow a wide field of vision for the operator; they can easily be worn with glasses, helmets and headphones. High comfort, thanks to soft and odorless materials resulting from medical applications.

#### P3 ELIPSE BREATHING APPARATUS AND P3 ODORLESS - DUSTS, ODORS, FUMES

Light, soft, compact and ready to use half mask, made of TPE (thermoplastic elastomer). Available with both P3 filters and P3 anti-odor filters. **Half mask in compliance with EN140: 1998. Filters in compliance with EN143: 2000 / A1-P3 (RD).**

- 1 **AP5501** - P3 RD half mask with replaceable filters (dusts), size M/L, weight 132 g (mask + filters)
- AP5502** - P3 RD half mask with replaceable filters (anti-odor), size M/L, weight 132 g (mask + filters)
- 2 **APSF316** - pair of P3 RD filters (dusts) **for half-mask AP5501**, minimum order 10 pairs / multiples
- 3 **APSF336** - pair of P3 RD filters (anti-odor), replacement **for AP5502 half mask**, minimum order 10 pairs / multiples
- 4 **AP5M001** - zippered case and belt clip for AP5501 and AP5502



#### INTEGRA P3 BREATHING APPARATUS - DUSTS, ODORS, FUMES

Ready to use, with a compact, light and flexible design that allows a perfect face fitting; it offers unique and innovative protection, reducing the risk of non-compatibility among PPE equipment and eliminating fogging problems. Anti-scratch visor. **Half mask with visor in compliance with EN140: 1998 and EN166 2.F.K.N. standards. Filters in compliance with EN143: 2000 / A1-P3 (RD) for P3.** Available with zip case, on request.

- 5 **AP5406** - P3 RD half mask with replaceable filters (dusts), size M/L
- 2 **APSF316** - pair of P3 RD filters (dusts) for AP5406 half mask, minimum order 10 pairs / multiples
- AP5P520** - kit of 10 protective layers for AP5406



### PHEOS 9192

Modern and innovative design. Panoramic lens for wide field of vision. Inclination in the upper part of the lens for greater brow protection. Side arms with soft tips. Externally scratch-resistant and internally anti-fog polycarbonate lens. Weight 30 g.

- 6 **APU2881** - grey side arms, mirror lens 5-1,7 (1F EN166 - EN172)
- 7 **APU2245** - black/orange side arms, grey lens 5-2,5 (1F EN166 - EN172)
- 8 **APU2385** - black/yellow side arms, yellow lens 2-1,2 (1F EN166 - EN170)
- 9 **APU2225** - black/lime side arms, clear lens 2-1,2 (1F EN166 - EN170)

### 10 ULTRASONIC

Goggles with clear, anti-fog, scratch-proof polycarbonate lens. Suitable for anyone wearing prescription glasses. Soft frame in PP and TPE, perfect against blows, liquids, dusts, molten metals. Weight 80 g. In compliance with EN 166, EN 167 and EN 168 1B 349KN Standards.

- APU9302** - goggles with adjustable synthetic elastic band

LIVEX

LIVEX





## 1 PAC® 3500 POCKET GAS DETECTOR

Quickly identifies the presence of carbon monoxide or hydrogen sulphide or oxygen. Stores up to 60 events. Useful life duration: 2 years without need for calibration. Fitted with clip for application to the user's clothing. Alarms: vibrating, acoustic (multitone >90 dB at 30 cm) and visual (flashing LEDs). IP65 to guarantee the operations also in the presence of sprays of water. Duration of the lithium battery for 8 hours use per day and 1 minute of alarm per day: 2 years for CO, H<sub>2</sub>S; 12 months for O<sub>2</sub>. Type approved: ATEX I/II M 1/1 G EEx ia I/IIC T4 - UL - cUL - IECEx - GOST. Dimensions: 84 x 64 x 25 mm, weight 120 g

**RSD11** - CO gas detector (carbon monoxide)

**RSD12** - H<sub>2</sub>S gas detector (hydrogen sulphide)

**RSD13** - O<sub>2</sub> gas detector (oxygen)



## 2 BODYGUARD 1000 MAN-DOWN ALERT SYSTEM

Lightweight (215 g), solid and durable, designed to protect life by alerting the team when the wearer is immobile or in difficulty. It emits clear and distinct signals and alarms to ensure to be tracked quickly and effectively, even in the worst environmental conditions. Simple and intuitive use, compatible with all self-contained breathing apparatus. Luminous bands, electronic historical archive of the incident, possibility to choose different operating modes. Waterproof (IP67), operating from -30 °C to +60 °C. No need for periodic maintenance; simple battery replacement when necessary. **ATEX IIM / IIIGD EX IA I / IIC T4 Certification.**

**RSD131** - Bodyguard 1000 man-down system, 100 x 70 x 40 mm



## 3 X-AM 2500 MULTI GAS DETECTOR

For portable detection of gases and explosive vapours, toxic gases and oxygen (EX, O<sub>2</sub>, H<sub>2</sub>S, CO). An alphanumeric display easily identifies the values measured while, through the use of just two buttons, it is possible to navigate easily in the instrument's software. Clip for application to the user's clothing. Alarms: vibrating, acoustic and visual leds. **IP67 protection class.** Supplied with rechargeable battery. Type approvals: ATEX I M1 Ex ia I Ma, II 1G Ex ia IIC T3 Ga, I M2 Ex d ia I Mb, II 2G Ex d ia IIC T4/T3 Gb. Datalogger can be supplied on request, it can store data for up to 100 hours. Available model with 3m electric pump (suction capacity up to 15 m distance), dust filter and case for use in narrow spaces before access of the user. Dimensions: 130 x 48 x 44 mm. Weight: gr 220.

**RSD16** - X-AM 2500 4 gas detector with rechargeable battery

**RSD17** - X-AM 2500 4 gas detector with rechargeable battery and electric pump for sampling

**RSD18** - nylon case







# HEARING PROTECTION

Personal Protective Equipment (PPE)

3M

EAR

PELTOR



## 1 3M™ E-A-R™ CLASSIC™

Earplugs in soft slow expansion expanded polymer. They do not cause irritations. Available in 2 models: Classic and Classic Small with small diameter for small - medium ear channels. In compliance with: EN 352.2.

**AP6200** - dispenser with 250 pairs

Attenuation (in dB): H=30 M=24 L=22 SNR=28



## 2 3M™ E-A-R™ SOFT™

Soft, sponge polymer earplugs with tapered design. Dermatologically tested, they do not irritate the skin. The smooth slow expansion polymer exerts minimum pressure on the ear channel, making them particularly comfortable. In compliance with: EN 352.2.

**AP6290** - dispenser box for 250 pairs

Attenuation (in dB): H=34 M=34 L=31 SNR=36



## 3 3M™ E-A-R™ ULTRAFIT™

**Re-usable** earplugs. Re-usable earplugs. The flange structure makes the area in contact between the earplug and the ear canal larger, in a way to obtain an efficient noise attenuation level. Supplied with applicable cord. In compliance with EN 352.2.

**AP6230** - minimum order 50 pairs/multiples.

Attenuation (in dB): H=33 M=28 L=25 SNR=32

## 3M™ E-A-R™ CAP™

Semi-aural headband for high noise levels. Made up from soft sound-absorbing foam pods mounted on an arch. Indicated for continuous use due to their lightness (8 g). Perfect also for visitors.

**4 AP6420** - E-A-R™ CAP™ headband, minimum order 10 headbands/multiples. In compliance with: EN 352.2.

**5 AP6421** - refill earplugs, minimum order 10 pairs/multiples

Attenuation (in dB): H=27 M=19 L=17 SNR=23

## 6 H4

Versatile, very light, for environments with moderate noise level. Stainless steel band, 2 point attachment. In compliance with: EN 352.1.

**APH41** - headband, weight 140 g

**APHY6** - spare pair of pods + pair of pads

Attenuation (in dB): H=31 M=21 L=12 SNR=24



## 3M™ PELTOR OPTIME™ I

Very low profile without protruding parts and lightness ensure compatibility with other PPE. Large, soft ear muffs, easy to use even with glasses. 2 point attachment. Easy maintenance. In compliance with: EN 352.1.

**7 APH511** - headband, weight 180 g

**8 APH512** - neckband, weight 165 g

**9 APH513** - ear muffs with attachment for G3000 helmet, weight 205 g. In compliance with: EN352-3

**9 APH336** - as above, with attachment for G2000 helmet

**APHY51** - replacement pair of pods + pair of pads

APH511/APH512 - attenuation (in dB): H=32 M=25 L=15 SNR=27  
APH513 - attenuation (in dB): H=32 M=23 L=15 SNR=26

## 3M™ PELTOR OPTIME™ II

For noisy environments. Excellent fitting and comfort thanks to a combination of liquid and foam for sealing and very low adherence pressure; equipped with ventilation channels and covered with a hygienic film. In compliance with: EN 352.1.

**10 APH521** - headband, weight 210 g

**11 APH522** - neckband, weight 195 g

**12 APH523** - ear muffs with attachment for G3000 helmet, weight 235 g. In compliance with: EN352-3

**APHY52** - replacement pair of pods + pair of pads

APH521/522 - attenuation (in dB): H=34 M=29 L=20 SNR=31  
APH523 - attenuation (in dB): H=34 M=28 L=19 SNR=30

## 3M™ PELTOR OPTIME™ III

For particularly noisy environments. A new technology reduces resonance inside the shell of the cup. Large and foam filled sealing rings allow excellent sealing and low contact pressure. In compliance with: EN 352.1.

**13 APH541** - headband, weight 285 g

**14 APH542** - neckband, weight 270 g

**15 APH543** - ear muffs with attachment for G3000 helmet, weight 310 g. In compliance with: EN352-3

**APHY54** - replacement pair of pods + pair of pads

APH541/542 - attenuation (in dB): H=40 M=32 L=23 SNR=35  
APH543 - attenuation (in dB): H=40 M=32 L=22 SNR=34





## DIELECTRIC KIT: ZENITH HELMETS AND ZEN VISORS

Dielectric helmet with millimetric adjustment of the size using the small wheel. Polypropylene external cover and inner shell in HD expanded polystyrene with anti-sweat band in soft nylon and chin strap. Size adjustable from 51 to 62 cm. **In compliance with EN397 - EN50365 (Class 0) standards.** Short polycarbonate visor with: anti-fog and anti-scratch treatment, panoramic lens (suitable also with corrective glasses), anti-cut edge, upper anti-drip rubber profile, light-holder clip. Compatible with Zenith helmets by adapter TV004 code (to be purchased separately), in accordance with EN 166 2 BT K.

Colori standard: **W** white **B** blue. Can be supplied on request: **HV** HI VIS (light bands)

- 1 ELE90** - dielectric ZENITH helmet with chin strap, weight 400 g
- 2 TV018** - full face polycarbonate ZEN visor, for electric arc in compliance with EN 166 e EN 170/ ANSI Z87.1 Special Applications / Electric Arc Exposure Test according to GS-ET-29. Class 1 (135 kJ/m²), VLT: Class 0 as for GS-ET-29. Weight 158 g
- 3 TV017** - short ZEN visor, compatible with Zenith helmets (both dielectric and BA AIR) via TV004 adapter, weight 200 g
- 4 TV004** - adapter for ZEN visor attachment to Zenith helmet
- 5 TV001** - support for full face ZEN visor, to be used with TV004 adapter



## 6 DIELECTRIC CONCEPT HELMET

CENTURION



Short tense (20 mm), not-ventilated ABS helmet. 6 points textile straps, side deformation (LD), molten metal (MM), heat resistance up to -30 °C, ultra-light (weight 305 g). Millimetric adjustable size (51-63) using the small wheel. With Hydro-Flock anti-sweat 4mm foam band, more colors available on request: 440 V, 1000 V (EN397), 20.000 V (ANSI Standard) electric isolation. **In compliance with: EN397, ANSI Z89.1-2003 type 1 Class E, EN50365.**

**ELE60A** - orange short tense dielectric helmet

**TV060** - 225 mm light polycarbonate dielectric visor for Concept helmet EN166 EN170 1 B 8-9-3

**TV061** - Concept helmet visor support for electric arc

## DIELECTRIC SPECTRUM HELMET

Helmet with built-in, retractable protective glasses (to be used also with eyeglasses); type B collision protection (average intensity collision); large model allows better protection. Short ABS visor (20 mm), not-ventilated, side deformation (LD), 6 points textile straps, heat resistance up to -30 °C, weight 440 g. Adjustable size (51-63). Hydro-Flock anti-sweat 4mm foam band included. more colors available on request. **In compliance with: EN397, ANSI Z89.1-2003 type 1 Class E, EN50365 standard.**

**7 ELE61W** - white Spectrum helmet. Protection glasses included

**8 ELB305** - optional double-sided badge-holder, adaptable to the front of the helmets. Minimum order 10 pieces/multiples

## 9 FORESTRY KIT

CENTURION



Hard ABS helmet, ultra-light, ventilated, with steel mesh visor, ear muffs, adjustable size (51-63), 6 points textile straps, Hydro-Flock anti-sweat 4mm foam band in compliance with EN 397 standard. Steel mesh visor (170 mm) covered with nylon, according to EN 1731.

**ELE62** - forestry kit: helmet, visor, ear muffs

Attenuation (in dB): H=29 M=22 L=15 SPNR=25

## 10 SKYLOR PLUS HELMET

Helmet with injection-molded ABS shell; innovative design to allow maximum usability and comfort during use. Built-in connection for protective visor and ear muffs attachment; removable and washable inner part; adjustable size (54-62) using the small **wheel quick adjustment system (A)**; light-holder clip, chin strap with safety release. Additional approvals: 440V a.c., electrical insulation, LD Lateral Deformation, -20 °C, MM, molten metal spray. **In accordance with EN397.**

**ANCE0209** - short tense helmet, weight 475 g. Colors: **W** white **R** red

## 11 UNDER-HELMET CAP

uvex



Knitted, 50% wool, 50% acrylic. Particularly suitable as further protection against the cold. Minimum order 10 pieces/multiples.

**ELC010** - blu cap







## WORKWEAR



WAISTCOAT



SWEATSHIRT



PADDED  
WAISTCOAT



JACKET



TROUSERS







**1 LIGHT WAISTCOAT** safe

Multi-pocket waistcoat with high visibility reflective bands. Made with fabric (98% cotton, 2% elastane, 245 g/m<sup>2</sup>), for excellent quality and resistance characteristics. Inserts in technical wear-resistant fabric, drawstring to increase grip and comfort. In compliance with EN ISO 13688:2013. Sizes available from S to 3XL.

- 1 VPSS692B. - beige multi-pocket waistcoat
- 2 VPSS692S. - grey multi-pocket waistcoat



**3 PADDED WAISTCOAT** safe

Padded multi-pocket waistcoat with shaped back. Outer fabric 100% nylon, 175 g/m<sup>2</sup> polyester. High intensity inner lining. Fleece interior collar neck. Grey reflective tail on chest and back. Chest pocket with external pen holder, closed by shaped flap. On the lower part of the pocket there is a support for hooking the badge holder. Two lower bellows pockets, closed by shaped flap. In accordance with EN ISO 13688: 2013. Blue color. Available sizes: from S to 3XL.

VPSS625B. - blue padded waistcoat



**4 TROUSERS** safe

Working trousers made with fabric (98% cotton, 2% elastane, 245 g/m<sup>2</sup>) for excellent quality and resistance characteristics. Lumbar protection band; elastic inserts to increase comfort and facilitate movements; technical fabric to increase resistance in points of greatest friction. Millimeter-level adjustment system (A). In accordance with EN ISO 13688:2013. Available sizes from S to 3XL.

- 4 VPSS104B. - beige trousers
- 5 VPSS104S. - grey trousers



**6 JACKET** safe

Padded jacket with fixed hood and adjustment pullers. Outer fabric 100% polyester nylon, lined internally with fleece on body and hood. Sleeve bottom with adjustment frog, velcro and elastic at the bottom of the wrist. One inner pocket on the right side, another "napoleon" pocket on the left side, both zipped. In accordance with EN ISO 13688: 2013. Blue color. Available sizes: from S to 3XL.

VPSS867B. - blue padded jacket



**7 SWEATSHIRT** safe

Sweatshirt with front zip opening, made with fabric (80% cotton, 20% polyester, 340 g/m<sup>2</sup>). Mixed fabric inserts (60% polyester, 40% cotton) with contrasting color on the back of the forearm and on the shoulders. Two lower pockets with zip closing. Blue color with gray contrasts (B). In accordance with EN ISO 13688: 2013. Blue color. Sizes available: from S to 3XL.

VPSS044B. - blue sweatshirt





# BODY PROTECTION: HIGH VISIBILITY WORKWEAR

Personal Protective Equipment (PPE)



## 1 HIGH VISIBILITY LIGHT SUIT - CATEGORY II



Fluorescent fabric: 35% polyester, 65% cotton, weight 210 g/m<sup>2</sup>; 3M™ Scotchlite 8910 stripes. Jacket with shirt-type neck, front closure and covered buttons, 2 chest pockets and sleeve cuffs closed with buttons; trousers with flap and covered buttons, 2 front pockets, 1 back pocket and 1 measure-tape pocket. Available sizes: from 42 to 64. In compliance with UNI EN ISO 20471.

**VPAP520A/** - orange light jacket

**VPAP520Y/** - yellow light jacket

**VPAP521A/** - orange light trousers

**VPAP521Y/** - yellow light trousers



## 2 HIGH VISIBILITY WINTER SUIT - CATEGORY II



Fluorescent fustian fabric: 40% polyester, 60% cotton; weight 350 g/m<sup>2</sup>; 3M™ Scotchlite 8910 stripes. Jacket with shirt-type collar neck, front closure and covered buttons, 2 chest pockets and sleeve cuffs closed with buttons; trousers with flap and covered buttons, 2 front pockets, 1 back pocket and 1 measure-tape pocket. Available sizes: from 42 to 64. In compliance with UNI EN ISO 20471.

**VPAP525A/** - orange winter jacket

**VPAP526A/** - orange winter trousers



## RETROREFLECTIVE ARMBANDS



**7 BR14Y** - fluo yellow PVC armband: 69% polyurethane, 20% polyethylene, 11% cotton, 50 x 10 cm, with reflective band stitched in the centre, height 3 cm.

**8 BR14A** - fluo red PVC armband: 50 x 10 cm, with reflective band stitched in the centre, height 3 cm.



## HIGH VISIBILITY JACKET - CATEGORY II



Jacket with shirt-type collar-neck, front closure and covered buttons, 2 lower and 1 upper pockets. Available sizes from 42 to 64. In compliance with UNI EN 20471.

**3 VPAP320A/** - Winter fluorescent fustian fabric jacket: 40% polyester, 60% cotton; weight 350 g/m<sup>2</sup>; 3M™ Scotchlite 8910 stripes.

**VPAP324A/** - Light fluorescent fustian fabric jacket: 35% polyester, 65% cotton; weight 210 g/m<sup>2</sup>; 3M™ Scotchlite 8910 stripes.

**4 VPAP324Y/** - as VPAP324A jacket; yellow color



## 5 HIGH VISIBILITY TRIPLE USE PARKA JACKET - CATEGORY II



Waterproof and breathable jacket, with 3M™ reflective bands. Self-supporting inner vest with detachable padded quilted sleeves, 2 lower pockets, 1 pen-holding chest pocket. Outdoor parka with 2 lower pockets and 1 chest pocket closed with snaps.

Velcro badge holder, adjustable cuffs closure with snap buttons.

Available sizes: from S to 3XL. In compliance with:

EN ISO 13688 - EN ISO 20471 - EN 343 - Class 3-3.

**VPAP413** - winter parka two-tone blue/orange



## 6 HIGH VISIBILITY SHIRT - CATEGORY II



Orange piquet fabric: 100% polyester 200 gr/m<sup>2</sup>, with 3M™ Scotchlite 8910 stripes. Grey collar neck (to be closed with 2 buttons) and armholes. Available sizes: from S to XXXL. In compliance with UNI EN ISO 20471.

**VPAP1130A** - High visibility orange shirt



## 9 HIGH VISIBILITY POLYESTER WAISTCOAT



Velcro closure, adjustable one size, reflective bands applied. Used to make workers on the road visible at a distance. D.M.L.P.P. of 9/6/95. Personal Protective Equipment EN ISO 20471.

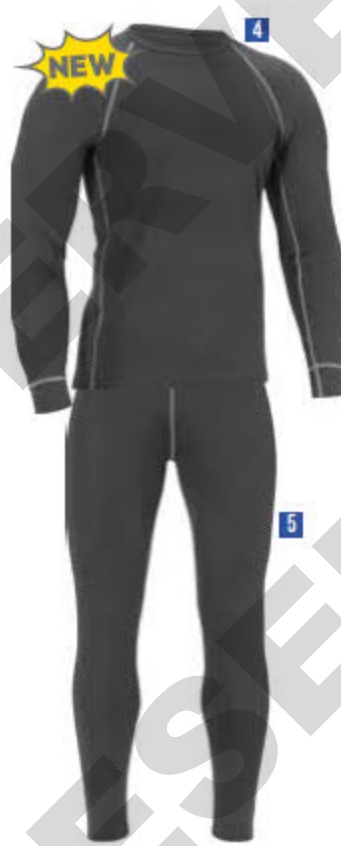
**GBO70A** - orange waistcoat

**GBO70Y** - yellow waistcoat



CUSTOMIZED PRODUCTS  
AVAILABLE (ON REQUEST).





## 1 HIGH VISIBILITY WATERPROOF SUIT

high visibility waterproof polyester suit (jacket and trousers), with reflective bands. Available sizes: from M to 2XL. In compliance with EN ISO 20471 and EN 343 standards. Also available with yellow color, on request.

**VPA632.** - high visibility waterproof orange suit



## MULTISAFE HIGH VISIBILITY SUIT - CATEGORY III

78% fire retardant cotton fabric, 20% polyester, 2% dissipative fiber, weight 250gr/m<sup>2</sup>. Multiprotection, fire retardant, antistatic, electric arc, acid-resistant. Jacket: front closure with snap buttons, 2 chest pockets, shoulder brace. Trousers: flap closure with buttons, 2 front pockets, 1 back pocket, 1 side pocket, reinforcement inside the crotch, double stitching for points of greatest effort. In compliance with standards: EN ISO 13688; EN ISO 11611; EN ISO 11612 A1 B1 C1; EN ISO 20471; EN 13034 Type 6; EN 1149-5; EN 61482-1-2 CL1. Available sizes: from M to 2XL.

**2 TACP537.** - high visibility yellow/blue two-tone jacket

**3 TACP538.** - high visibility yellow/blue two-tone trousers



## 9 DOUBLE-FACE PILOT HIGH VISIBILITY JACKET

Polyester and cotton jacket, zip closure, detachable sleeves, knit cuffs and hem, 4 external and 4 inner zipped pockets, 1 zip pocket on the sleeve, reflective bands. Dual function: orange high visibility face for work activities, blue non-reflective side for extra work activities. In compliance with EN ISO 20471. Available sizes: from M to 2XL.

**VPA715.** - reversible, fluorescent, orange and blue, high visibility jacket



## 10 DOUBLE-FACE HIGH VISIBILITY WAISTCOAT

Practical 100% polyester waistcoat, dual use: high visibility color and blue color on the other face. 4 pockets on the blue side and 1 mobile phone pocket on the high visibility side. In compliance with EN ISO 20471. Available sizes: from M to 2XL.

**VPA720.** - reversible, fluorescent, orange and blue, high visibility waistcoat



## Technical socks

Made with the combination of the best high quality technological yarns. Ergonomic technical structures and anatomical reinforcements ensure maximum performance with an anti-stress toning effect. Available sizes: S (36/39) M (40/43) L (44/47). Minimum order: 3 packs of 6 pairs with assorted colors (yellow, orange, green, blue, red, gray).

**7 VPS121.** - pack of 6 pairs of short cut summer socks with assorted colors. Composition: 40% cotton, 34% polypropylene, 23% nylon, 2% elastane, 1% carbon no-shock. Sizes: S - M - L

**8 VPS122.** - pack of 6 pairs of short cut autumn socks with assorted colors. Composition: 25% merino wool, 25% acrylic, 29% polypropylene 18% nylon, 2% elastane, 1% carbon no-shock. Sizes: S - M - L







# BODY, EYE AND FACE PROTECTION: WELDING EQUIPMENT

Personal Protective Equipment (PPE)



## FLAME RETARDANT SUIT FOR WELDING OPERATIONS

Flame retardant suit for welding operations. 100% fire retardant cotton, 295 g/m<sup>2</sup> jacket with shirt-type collar neck, covered snap buttons, elastic fabric on wrist, 2 chest pockets with velcro closing, reinforcement on shoulders and double stitching. Trousers with buttons flap closing, 2 front pockets and 1 rear pocket. In compliance with: UNI EN ISO 13688:2013; UNI EN ISO 11611:2015; UNI EN ISO 11612:2015. Taglie fornibili dalla 44 alla 58. Colore verde.

- 1 **TASP512** - flame retardant jacket
- 2 **TASP513** - flame retardant trousers



ELIPSE BREATHING APPARATUS (SEE PAGE 94).

## 3 9104 FLIP-UP GLASSES



Welder's flip-up glasses, for UV and IR light protection. Integrated protection in the temples and in the eyebrow arch. Side arms adjustable in length and inclination, with soft terminals. Minimizes the damage caused by welding sparks. Easily replaceable folding filters in grey polycarbonate DIN 5, polycarbonate light fixed lenses. Weight 120 g. In compliance with the standards: EN 166 EN 169 EN 172 1 F T K.

**APU9104** - welding glasses with grey flip-up IR5 lens

## 4 NEMESIS™ GLASSES



Glasses for welders, single lens in green polycarbonate IR5, model with wrap-around lens 99.9% UV protection. Bridge and side arms in soft PVC. Applications welding torch, high glare. In compliance with: EN 166 1F - EN 169.

**APL5694** - welding glasses with green IR5 lens

## 5 SUPER F OTG GLASSES



Glasses for welders, ultralight and can also be used as cover goggles. Grey polycarbonate lens, thickness 21 mm (colors recognised perfectly) UV and IR protection. Optidur NCH lens treatment, extremely scratch-proof. Flexible side arms. Weight 38 g. In compliance with: EN 166 1F/T K - EN 169 - EN 172 Standards.

**APU9543** - grey IR3 lens

**APU9545** - grey IR5 lens

## 6 ULTRASONIC FLIP-UP GLASSES



Goggles with clear UV 2-1,2 B9KN polycarbonate fixed lens, scratch-proof externally and anti-fog internally and grey IR5 tinting lens, resistant to damage from projection of welding spray (perfect color recognition). Easy to replace grey lens (spare lens available on request). In compliance with EN 166 1B349 - EN 169 - EN 172 Standards.

**APU2045** - grey flip-up lens glasses mask IR5

**APU2045R** - spare grey lens IR5

## 7 SEMICALOTTA



**Semicalotta in policarbonato** con protezione frontale, bardatura nucale regolabile a cremagliera. Bardatura in policarbonato e bardature di poliammide resistenti a numerosi solventi acidi e alcali. Resistenza al calore 125 °C. Peso 220 g.

**APB2297** - semicalotta a norma EN166 B-3-9

## VISORS AND UPPER HEAD PROTECTION



**8 APB312** - colorless polycarbonate visor, for use with APB2297. Thickness mm 1, in compliance with EN166 1B 3 9

**8 APB2307** - colorless acetate visor, for use with APB2297 semicalotta. Resistance to chemical aggression of many solvents, acids, alkalis, oils and fats. Thickness mm 1, in compliance with EN166 1F

**9 AP2330** - green polycarbonate visor, I.R. gradation 5.0 for use with APB2297 semi-loop. Thickness mm 1, in compliance with EN166 1F 3

## 10 TRANSLIGHT 2400 MV MASK

Welding protective mask, with variable optoelectronic filter. Technical features: variable protection index from 9 to 13 DIN, solar cell power supply, reaction time 0.3 ms, adjustable return time, manually adjustable sensitivity, Ultra Vision field of vision, 3 light sensors, variable dimming 3 - 9/13 DIN. Visual area dimensions: 98 x 40 mm. Weight: g 510. In compliance with EN166 - EN379 - EN175 standards.

**TRT2400** - maschera con cassetta ad indice di protezione variabile

**TRR4700** - kit da 10 lastre di protezione esterna in policarbonato mm 148 x 90

## 11 MASCHERA WH40 SCORPION



Maschera di protezione per saldatori con filtro optoelettronico a indice variabile. Caratteristiche: indice di protezione variabile da 9 a 13 DIN esterno, alimentazione a celle solari, tempo di reazione 0,3 ms, tempo di ritorno al chiaro regolabile, sensibilità regolabile, poggiatesta. Dimensioni area visiva: 98 x 40 mm. Peso netto: g 400. Conforme alle norme EN166 - EN379 - EN175.

**TRT3800** - mask and cover box with variable protection index

**TRR8301** - kit of 10 external protection sheets in polycarbonate 148 x 90 mm







## Welding wearing

### 1 GLOVES



Welding gloves in bovine split leather. The large size satisfies the need of the most attentive professionals about rapid removal of the glove. The Jersey cotton lining helps to withstand temperatures and maintain comfort in the hand. Soft and resistant, Kevlar stitching, reinforced in the most critical points. Elastic secured to the wrist to keep the right fit. Particularly suitable for MIG welding with heat and slag. Applications: all methods of arc welding and grinding. One size (EN) 10. In compliance with EN420 - EN388 - EN407 - EN12477.

**TAS1910/10** - 350 mm padded gloves



### 2 BEST SPATS



Brown and grey split leather spats. Excellent finish, protection of the shin and instep from sprays of molten metal and projections, perfectly covers and protects accident-prevention footwear. Double Velcro closure, adjustable in two positions. Two reinforcement protections on the shin and instep to absorb accidental blows. Thickness of the leather 1.4 mm. Height 40 cm. One size only. In compliance with: UNI EN 11611:2007, 2 A1 + A2 class.

**TAS390** - spats for welding



WELDING COVERS AVAILABLE ON PAGE 121

### 3 HOOD WITH CAPE



Hood with flame retardant welding treatment, extended cape length to provide additional protection for shoulders, chest and back. It fits to the welding helmet bottom. In compliance with: EN 149-3:2004 and EN149-5:2008 - EN ISO 11612:2008 A B1 C1 - EN ISO 11611:2007 classe 1 A1. One size.

**TAS040** - hood with cape



### 4 APRON FOR WELDING



Leather apron with ventral reinforcement. Adjustable straps on the waist and on the neck with quick closure. No metallic parts. It protects body during welding or similar activities. Suitable for arc welding. Thickness with reinforcement 2,30 mm. In compliance with EN 11611 class 2 A1 + A2.

**TAS220** - brown cow-crust apron, 90 x 60 cm, weight 650 g



## Woodcutting wearing

Composizione tessuto: 68% poliestere 32% cotone. Colore verde/arancio. La presenza di una fibra ad alta tenacità nelle imbottiture delle parti protette garantisce il blocco istantaneo della catena della sega portatile. A norma EN 381 (per operatori esposti al rischio di taglio con l'utilizzo di seghe a catena portatile).



### 5 JACKET



Protection on the chest, shoulders and sleeves: Bellows and ventilation on the back, zipper closure. Available sizes: from M to 3XL. In compliance with EN 381-11.

**UTP895** - orange / green woodcutter jacket



### 6 RUBBER BOOTS



Rubber boot with toecap and lamina. Protection for Cutting with saw blade motion on the shin and on multilayer rubber metatarsal. Anti-skidding sole. In compliance with EN ISO 17249 + A1 EN ISO 20345 (P class 3) SRA. Available sizes: from 40 to 47.

**ZCI8907** - Orange / green woodcutter boots



### 7 TROUSERS

Protection on the front of the leg at 180° + 5 cm. Full side openings on the legs which allows to separate them (half or full way). Belt hooks. Available sizes: from L to 2XL. In compliance with EN 381-5.

**UTP894** - orange / green woodcutting trousers



### 8 DUNGAREES

Protection on the front of the leg at 180° + 5 cm. Elastic belt, shoulder straps adjustable via plastic buckle, front pocket with zip closure on the hips, 2 pockets on the legs, and rear pocket. Available sizes: from M to 2XL. In compliance with EN 381-5.

**UTP893** - orange / green woodcutter dungarees







# BODY PROTECTION FROM ELECTRICAL AND CHEMICAL RISKS, KNEE PADS

Personal Protective Equipment (PPE)



## ANTI-STATIC, FIRE-RESISTANT, ELECTRIC-ARC-RESISTANT SUIT - CATEGORY III



Fabric with 98% fire retardant cotton, 2% carbon fiber, **weight 260 g/m<sup>2</sup>**. Jacket with shirt-type collar neck, covered buttons, elastic on the cuffs, two chest pockets, closed with flap and velcro. Reinforcement on the shoulders and double stitching. Trousers with flap closure and covered buttons, two front and one rear pockets. Available sizes: from S to 3XL. In compliance with: UNI EN ISO 13688: 2013; UNI EN ISO 11611: 2015; UNI EN ISO 11612: 2015; UNI EN 1149-5: 2008 / CEI EN 61482-1-2: 2008 class 1; CEI EN 61482-1-1 ATPV 8.9 cal/cm<sup>2</sup>.

- 1 TACP550. - blue jacket for electric arc
- 2 TACP551. - blue trousers for electric arc



## ANTI-STATIC, FIRE-RESISTANT, E.A.-RESISTANT, ANTI-ACIDS SUIT - CATEGORY III



Fabric with 78% fire-retardant cotton, 20% polyester, 2% dissipative fiber, weight 250 g / m<sup>2</sup>. Blue jacket with shirt collar neck, covered buttons, elastic on the cuffs, two chest pockets with flap and velcro closure. Reinforcement on the shoulders. Blue trousers with flap closure and covered buttons, two front and one rear pockets. Available sizes: from S to 2XL. In compliance with: UNI EN ISO 13688: 2013; UNI EN ISO 11611: 2015; UNI EN ISO 11612: 2015; UNI EN 1149-5: 2008 / UNI EN 13034: 2005; CEI EN 61482-1-2 class 1.

- 3 TACP553. - jacket
- 4 TACP554. - trousers



## 7 ISOARC™ GLOVES FOR ELECTRIC ARCS

Suitable for working in the presence of low voltage electric currents (1000 V - class 0). Double protection: electric and electric arc. Protects the hand and prevents skin irritations, as well as having excellent insulating properties. Soft and fine, they offer easy handling. Non-slip finish. Heat protection against 1st degree burns and higher. In compliance with IEC 61482-1-2, EN 60903-2003, IEC 903-2002 Standards, category RC (resistance to acid, oil, ozone and very low temperatures). Available sizes (EN): 8-9-10-11.

**TAG002/-** - gloves for electric arc, length 360 mm, thickness 1 mm



## 5 335 KNEEPADS

A must for those who kneel frequently during their activity. The kneepads can be cleaned with a damp cloth. Model with Ultrilure® antibacterial, inner lining. Neoprene padding, non-slip rubber cover. Elastic band in very resistant fabric; wide profile for greater protection. Hook closure. perfect for use on hard, slippery or abrasive surfaces. Black color. One adjustable size. Sold in pairs.

**EDS335** - 335 model kneepad

## 6 230 KNEEPAD

A must for those who kneel frequently during their activity. The kneepads can be cleaned with a damp cloth. Cordura® model with Ultrilure® antibacterial, inner lining. Elastic band in very resistant fabric; wide profile for greater protection. Hook closure. perfect for use on hard, slippery or abrasive surfaces. Black color. One adjustable size. Sold in pairs.

**EDS230** - 230 model kneepad







CHEMICAL PROTECTION	ANTI-STATIC PROPERTY	BIOLOGICAL PROTECTION	LIQUID-TIGHT	SPRAY-TIGHT	DUST-TIGHT	SPRAYS OF LIQUIDS LIMITED SEALING	NUCLEAR PROTECTION
EN 14605 Tipo 3 e 4 EN ISO 13982-1 Tipo 5 EN 13034 Tipo 6	EN 1149	EN 14126	EN 14605 Type 3	EN 14605 Type 4	EN ISO 13982-1 Type 5	EN 13034 Tipo 6	EN 1073



## 1 TYVEK CLASSIC XPERT



Stitched jumpsuit with hood and reinforced external stitching: three-piece hood, self-locking zip and Tyvek zip flap, elastic around the face, wrists and ankles, elastic waistband glued and not sewn. It protects workers from hazardous materials when handling chemicals. Generally used according to the toxicity level of the chemical substance and the exposure conditions for the protection of particles (type 5), from spray or moderated spray (type 6). 3 times higher liquid protection.

**TYV6.** - white. Sizes: M - L - XL - 2XL **Type 5 and 6**



## 2 TYVEK CLASSIC PLUS



Coverall in light and very resistant fabric obtained by linking, millions of very fine polyethylene fibres, under the action of heat and pressure, for complete protection against the penetration of noxious dry particles (asbestos). Hot stitched and banded: hood, waist, wrists and ankles with elastic, neck flap and a double self-adhesive flap that protects the Tyvek zip.

**TYV4.** - white. Sizes: M - L - XL - 2XL **Type 4, 5 and 6**



## 3 3M 4500



Coverall in polypropylene (45 g/m<sup>2</sup>) for light protection against dirt and non-aggressive substances. Hood, cuffs, ankles and belt elasticated, zip with protective flap. For general use. CE category I. Can also be supplied in white, on request.

**TTM4500.** - blue coverall, available sizes: from M to 2XL.

## 4 3M 4520



Coverall in extremely light and transpiring material (43 g/m<sup>2</sup>) for prolonged wearing periods. Hood with three panels for use with PPE, 2-way zip with adhesive flap, knitted cuffs, elastic at waist and ankles. **Type 5 and 6.**

**TTM4520.** - white coverall, available sizes: from M to 2XL.



## 5 WHITE OVER-SLEEVES FOR ARM PROTECTION



White over-sleeves with knitted cuff, for arm protection. supplied in pack of 300 pieces. Not a PPE.

**TTM445** - white over-sleeves, one size



## 6 TYVEK SLEEVES



Sleeves for partial and light body protection. Category 1 PPE, 100% polyethylene, 41 g/m<sup>2</sup>. One size. Pack of 10 pairs.

**TYV15** - white Tyvek sleeves, with elastic at the ends, 40 cm length





## FOOT PROTECTION: SAFETY FOOTWEAR

Personal Protective Equipment (PPE)



METALFREE

1

NEW

### 1 No. ONE S3 SRC



Black Ramon leather upper. PU/TPU outsole and anti-puncture midsole in multi-layer polyester fabric. Additional polyurethane tip protection. Composite toecap, fit 11 Mondopoint. Metal free. Available sizes: 38/48. In compliance with EN ISO 20345.

**ZCA5219..** - low shoe, execution S3 SRC



METALFREE

2

NEW

### 2 No. THREE S3 SRC



Black Ramon leather upper. PU/TPU outsole and anti-puncture midsole in multi-layer polyester fabric. Additional polyurethane tip protection. Composite toecap, fit 11 Mondopoint. Metal free. Available sizes: 38/48. In compliance with EN ISO 20345.

**ZCA5919..** - high shoe, execution S3 SRC



3

NEW



SIDE ZIP

### 3 STRALIS S3 SRC



Ramon leather upper with Grana Kork leather inserts and reflectors. Antistatic PU/TPU outsole and anti-puncture midsole in multi-layer polyester fabric. Additional polyurethane tip protection. Side zipper. Composite toecap, fit 11 Mondopoint. Metal free. Available sizes: 38/48. In compliance with EN ISO 20345.

**ZCA7832..** - high shoe, execution S3 SRC



METALFREE

4

NEW

### 4 REGATA S3 SRC



Ramon leather upper, with reflector inserts. PU/TPU outsole and anti-puncture midsole in multi-layer polyester fabric. Composite toecap, fit 11 Mondopoint. Metal free. Sizes: 38/47. In compliance with EN ISO 20345.

**ZCA2519..** - low shoe, execution S3 SRC



METALFREE

5

NEW

### 5 RITMO S3 SRC



Ramon leather upper, with reflector inserts. PU/TPU outsole and anti-puncture midsole in multi-layer polyester fabric. Composite toecap, fit 11 Mondopoint. Metal free. Sizes: 38/47. In compliance with EN ISO 20345.

**ZCA9519..** - high shoe, execution S3 SRC



6

NEW

### 6 MISTRAL S3 SRC



Water-repellent black natural leather upper, with eyelets for quick extraction and additional protection for the malleolus. PU/PU outsole with anti-slip, anti-static, anti-torsion functionality. Steel safety toecap and anti-puncture midsole. Fit 11 Mondopoint. Available sizes: 36/48. In compliance with EN ISO 20345.

**ZCA9693..** - high shoe, execution S3 SRC



7

NEW

### 7 SPRINT BLUE S1P SRC



Black Grana Kork leather and blue Airnet net upper. PU/PU outsole and steel anti-puncture midsole. Steel toe cap, 11 Mondopoint fit. Available sizes: 36/48. In compliance with EN ISO 20345.

**ZCA9665..** - low shoe, execution S1P SRC



8

NEW

### 8 PVC BOOTS



Made of nitrile PVC with nylon lining, steel toecap and lamina. Sole in nitrile PVC. In compliance with: EN ISO 20345 S5 SRC. Available sizes: 38/47.

**ZC6361..** - pvc boots





## 1 HOLSTER FOR CORDLESS DRILLS

**TPU531** - dimensions 17 x 21 x 33.5 cm, in special reinforced fabric, pockets for drill bits and accessories. With loop for TPU530

## 2 PLIER POCKET

**TPU524** - dimensions 11.5 x 23 x 28 cm, special reinforced fabric pocket suitable for most pliers or pruning shears. Metal clip, suitable for every belt

## 3 CELL PHONE HOLDER

**TPU539** - dimensions 11 x 21 x 29.5 cm, cell phone holder in special padded fabric, elastic pen holder, metal clip suitable for each belt

## 4 SMARTPHONE HOLDER

**TPU549** - dimensions 12 x 24 x 21 cm, water resistant smartphone pocket (for Galaxy S4 / S5 or similar), transparent front for outdoor use, metal clip suitable for each belt

## 5 TOOL BELT

**TPU530** - quick release belt in reinforced fabric, adjustable from 90 to 120 cm. Can be used with pockets and holsters



## 6 TOOL HOLDER POCKET

**TPU534** - dimensions 31 x 28 x 35 cm, in special reinforced fabric, provided with inner and outside pockets, plastic snap hook for TPU530 belt attachment

## 7 TOOL HOLDER POCKET FOR ELECTRICIANS

**TPU535** - dimensions 21 x 25 x 29.5 cm, in special reinforced fabric, provided with pockets, elastic buttonhole for tools, adhesive tape holder chain. Adaptable to TPU530 belt



## 8 TOOL HOLDER HOLSTER

**TPU556** - dimensions 20.5 x 17.5 x 25 cm, in special reinforced fabric, for precision tools, inner padded pocket suitable for containing delicate instruments, 2 zipped pockets. Equipped with handle, shoulder strap and belt loop

## 9 CARPENTER-TYPE TOOL BELT

**TPU546** - dimensions 36 x 18 x 26.5 cm, in special reinforced fabric, including hammer and metal meter holders. Large front pocket for nails. Quick release metal latches

## 10 SMALL TOOL CASE

**TPU558** - dimensions 21.5 x 26 x 37 cm, made of special reinforced material. Inner pocket for hardware holders, hanging on the wall by using metal rings

## 11 TOOL CARRIER POUCH

**TPU545** - dimensions 34 x 31 x 33 cm, bag in special reinforced fabric, adjustable belt. Flap opening with pocket for documents. Internal and external pockets



## PADDED BACKPACK AND RIGID CASE TOOL HOLDER BOX

**12 TPU542** - backpack (dimensions 36 x 37.5 x 42 cm) reinforced on the back, with adjustable straps and double bottom

**13 TPUM24** - polypropylene tool case with internal tray and metal parts for small hardware on the lid. Dimensions (L x H x W) 565 x 286 x 286 mm





# HAND PROTECTION

Personal Protective Equipment (PPE)



## 1 FLEXOGRIP LITE - CATEGORY II

KOMASTAR 

Glove for mechanical work. PU black palm-fit coating, blue polyamide (nylon) fabric, 18 gauge. Silicone free. Exceptionally light thanks to its thin texture; maximum transpiration, good general mechanical performance. For light work, paint works, car inspections, quality control. Available sizes (EN): 7 - 8 - 9 - 10. Minimum order: 12 pairs / multiples.

**GEC3135/.** - length 245 mm



## 2 FLEXOGRIP CRK - CATEGORY II

KOMASTAR 

Black glove with class 4 cut resistance; fabric with technical fibers (Tsunooga® UHMWPE 100% fiber and Spandex® included); 15 gauge; grey PU coating of the palm. Silicone and glass free. Exceptional elasticity and wearability. The version with a long cuff protects the forearm. Suitable for packaging preparations with cutters, works with metals, moving sharp objects, building. Available sizes (EN): 7 - 8 - 9 - 10. Minimum order 12 pairs / multiples.

**GEC6130/.** - length 245 mm.



## 3 NITRAFLEX 8232 - CATEGORY II

KOMASTAR 

Glove with high cut resistance; fabric with Dyneema® Diamond Technology, HPPE fibers and Spandex®, 15 gauge. Black nitrile foam palm coating. Glass free. Excellent comfort, elasticity, usability and excellent durability. For mechanical and electromechanical industries, work with metals or glass, work with sharp objects, metal molding (medium-oily environments). Available sizes (EN): 7 - 8 - 9 - 10. Minimum orderable 12 pairs / multiples.

**GEC8232/.** - length 245 mm



## 4 GRAIN LEATHER GLOVES



Unlined gloves, palm and back in bovine grain leather, stringy elastic edged at the bottom. Available sizes (EN): 8 - 9 - 10. In compliance with EN388: 2003. **Minimum order 12 pairs / multiples.**

**GP140/.** - bovine grain leather gloves



## HYCRON® - CATEGORY II

Ansell 

Gloves for heavy duty jobs with **nitrile** coating and jersey lining. Excellent resistance to snags, punctures, abrasions, cuts, greases and oils, excellent grip on dry objects. Not resistant to chemical substances and are not waterproof. Machine washable, they replace the gloves in grain leather and in split leather. Sanitized®/Actifresh® treatment. Suitable for heavy duty jobs: building, mechanical activities in general, maintenance. **Minimum order 12 pairs/multiples.**

**5 GE27607/.** - with safety cuff, back knitted. Length 260 mm. Available sizes (EN): 9-10

**6 GE27810/10** - with safety cuff, entirely painted. Length 320 mm. Available size (EN): 10



## 7 MAXGRIP NEO - CATEGORY III

KOMASTAR 

Chloroprene rubber (neoprene) glove with double black coating and finish in smooth blue pattern. Inner yarn seamless fabric in polycotton jersey gauge 13; maximum comfort. For aggressive jobs in chemical industry. Available sizes (EN): 7 - 8 - 9 - 10. Minimum order 12 pairs / multiples.

**GEC2101/.** - length 300 mm



## 8 VIBRAGUARD®

Ansell 

Nitrile impregnated coating, soft padding in the forefinger and palm for better impact protection. The gloves offer usability and comfort. Perfect for works with vibrations. Anti-vibration properties: TRM = 0.90; TRH = 0.52 (TR = vibration transmissibility; M = average frequency range; H = high frequency range). Vibration attenuation according to EN 10819. Available sizes (EN): 8-9-10.

**GE07112/.** - length 230 mm



## 9 EN420 - EN388 - EN407 GLOVES - CATEGORY III

Category III gloves, made of 100% para-aramidic fibre, lined with TNT flame-proof fabric. One size (EN): 10.

**GA2028** - length 280 mm

**GA2040** - length 400 mm



## 10 THERM-A-KNIT® - CATEGORY II

Ansell 

Ambidextrous, seamless, lightweight and elasticated thermal gloves, suitable for all work conditions in cold environments. Can be used as gloves or under-gloves. **Minimum order 12 pairs/multiples.** Available sizes (EN): 7 - 9.

**GE78101/.** - length 240-260 mm







## 1 BASIC DUO



Harness with 2 attachments: 1 on the back, 1 on the front, with D-ring connection (to be ordered separately), 44 mm double color polyester webbing to facilitate identification of the upper and lower part. Adjustable and detachable leg straps, adjustable pelvic belt. Galvanized steel components. Can be combined with ANC1268 positioning belt. In accordance with EN361.

**ANC1275** - harness with 2 attachments (1 on the front, 1 on the back): weight 650 g. One adjustable size

## 2 BASIC



Harness with 1 attachment on the back, 44 mm polyester webbing. Galvanized steel components. Can be combined with ANC1268 positioning belt.

**ANC1298** - harness with 1 attachment on the back: weight 650 g. One adjustable size

## 3 FOCUS VEST



Harness with 2 attachments: 1 on the back, 1 on the front, with tool-holder rings. The padding wraps the user, giving support and protection to the back and shoulders. Fast to wear thanks to automatic steel buckles equipment. Two large detachable front pockets with zip closure. Can be combined with ANC1268 positioning belt. In accordance with EN361.

**ANC2515** - harness with 2 attachments (1 on the front, 1 on the back) and 2 tool-holder rings: weight 1,6 kg. One adjustable size

## 4 GRAVITY



Usable and quick to wear harness, thanks to **automatic steel buckles** (disengageable with a simple click). Fully padded, it wraps the user for a unique comfort. 4 connections: 1 on the front, 1 on the back, 2 on the sides for positioning. Metal components in aluminum alloy for an incomparable lightness. In compliance with EN358 - EN361.

**ANC1265** - harness with 4 attachments (1 on the front, 1 on the back, 2 on the sides for positioning): weight 1,57 kg. Available sizes: M (S, L) L (L, XL)

## 5 ORBITAL



Comfortable harness both during moving and in case of accidental fall, reducing the effects of the inert suspension. Lightweight, thanks to the minimum use of metal parts; in fact the 6 attachments are made of textile loops: 1 on the front, 1 on the back, 2 on the sides and 2 for positioning. Including padded positioning belt. Padded, adjustable leg straps, additional padding on the back, 44 mm polyester sling and 25 mm padded leg loops. In compliance with EN358 - EN361.

**ANC1210** - harness with 6 attachments: 1 on the front, 1 on the back, 2 on the sides and 2 for positioning: weight 1,35 kg. Available sizes: M (S, L) L (L, XL)



## 6 EASY BELT



Work positioning belt, available in two sizes M (S, L) L (L, XL). Can also be used in combination with harnesses, if required. Ergonomic triple layer support padding with 44 mm polyester webbing. High resistance stitching, 5 tool-holder rings, 2 steel positioning D-rings. In compliance with EN358.

**ANC1268M** - belt size M (70-110), weight 520 g

**ANC1268L** - belt size L (90-130), weight 540 g



## 7 CONNECTION RING



Connection ring to allow attachment to the front of the harness (with aluminum slings): weight 125 g, locking with screw ring nut. In compliance with EN362 - EN12275.

**ANC0671** - opening 14 mm, length 107 mm

## 8 BASIC SNAP HOOK



Connector for attachment of lanyards and fall arrest devices to the harness. Made of steel, weight 165 g, standard locking with screw ring. In compliance with EN362.

**ANC0981** - opening 16 mm, length 108 mm

## 9 HIGH STRENGTH STEEL SNAP HOOK



Weight 200 g, automatic screw ring (with 2 movements) locking, with anti-rope-catching system. In compliance with EN362 - EN12275.

**ANC1878** - opening 17 mm, length 109 mm

## 10 MULTI-USE, ALUMINUM ALLOY SNAP HOOK



Weight 76 g, automatic screw ring (with 2 movements) locking, with anti-rope-catching system. In compliance with EN362 - EN12275.

**ANC2124** - opening 17 mm, length 109 mm







## FALL ARREST EQUIPMENT

Personal Protective Equipment (PPE)

**CAMP**  
Safety



### COBRA RETRACTABLE LIFELINE



ABS case, Ø 4 mm galvanized steel cable, in different lengths; it extends and retracts automatically, following the movements of the user. Certified for vertical use (EN360 standard) and for horizontal / inclined use on sharp corners (to be used with ANC5030101 lanyard, supplied separately) in compliance with the European test 11,060 Type A. Supplied with Ø 5 guide lanyard, useful for leading the cable to the internal retractable device. Double lever rotary connector Resistance > 23kN. In accordance with EN 360.

- 1 ANC2076** - case dimensions: Ø 18 x 10 cm; weight 4.8 kg, cable 10 m
- 2 ANC2077** - case dimensions: Ø 22 x 11 cm; weight 7 kg, cable 15 m
- 3 ANC2078** - case dimensions: Ø 25 x 12 cm; weight 9 kg, cable 20 m
- 4 ANC2079** - case dimensions: Ø 28 x 13 cm; weight 12.5 kg, cable 32 m

### COBRA 6 RETRACTABLE LIFELINE



Retractable fall arrest device for vertical use, with shock absorber. Compact size and weight compared to metal cable models, thanks to the use of polyester webbing. ABS case. In compliance with EN 360.

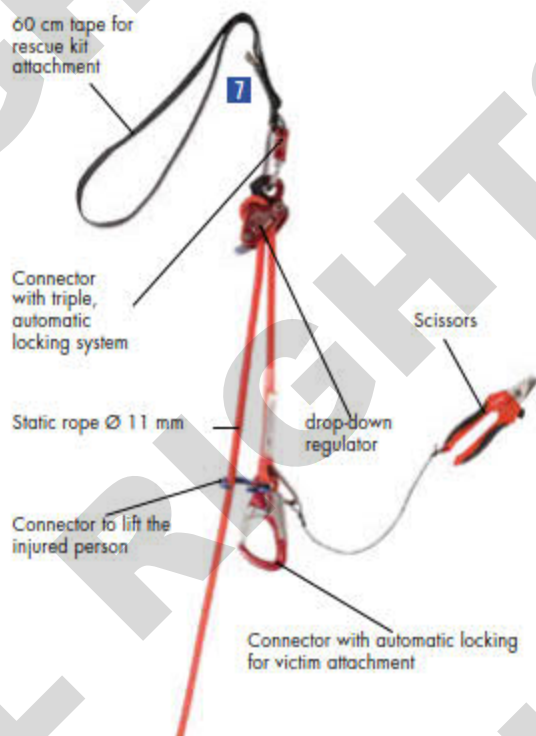
**ANC2075** - safety tape 6 m, weight 1.85 kg

### COBRA 2 RETRACTABLE LIFELINE



ABS cas, certified for vertical use and for work situations with falling factor 2 (in compliance with the dynamic requirements of EN 355). Extended length: 165 cm without connectors (maximum length with 2 m connectors). 46 mm polyester webbing. Breaking load > 15 kN. Equipped with energy absorber, rotating connection device, oval connector. In compliance with EN 360.

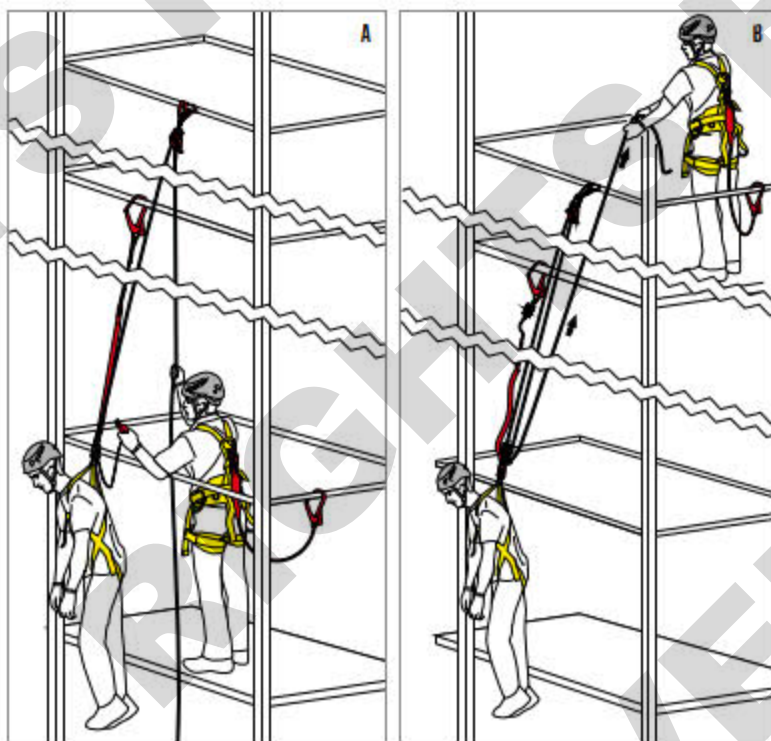
**ANC2074** - 1.8 m safety tape (including the 2 oval connectors), weight 1.25 kg



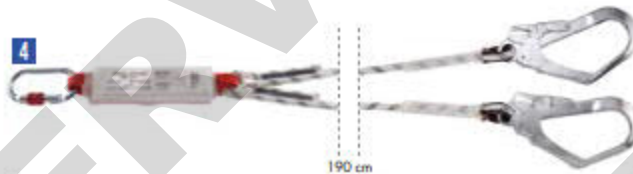
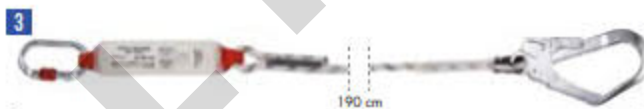
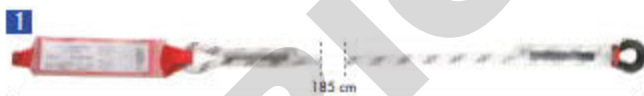
### 7 "RESCUE KIT DRUID" FOR SCAFFOLDING

Rescue Kit Druid is a device for rescue situations on scaffolding or other vertical structures, ready to use in case of accident. It allows a quick and simple rescue by hooking the victim, cutting the connection rope and lowering to the ground (A), or it is also possible to create a hoist to lift the injured person to release the rope without cutting (B).

**ANC2196** - Rescue Kit Druid: length 20 m, weight 3,2 kg





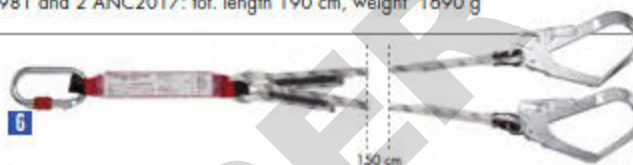


## FALL ARREST LANYARDS WITH STANDARD SHOCK ABSORBER



Made of static 10.5 mm polyamide rope, they are equipped with standard energy absorbers. Maximum extension: fall factor 1 = 90 cm, drop factor 2 = 160 cm. Maximum stopping force: 6 kN. Certified for horizontal use on sharp corners ( $r > 0.5$  mm) in combination with Cobra retractable fall arrester devices. In compliance with EN355.

- 1 **ANC5030101** - lanyard with shock absorber, with no clips: length 185 cm, weight 390 g
- 2 **ANC5130101** - lanyard with shock absorber, with no clips: **length regulation** from 115 to 170 cm, weight 540 g
- 3 **ANC5030106** - lanyard with shock absorber + 1 ANC0981 snap hook + 1 ANC2017 snap hook: length 190 cm, weight 1020 g
- 4 **ANC5030201** - Y-type lanyard with shock absorber + 3 snap hooks: 1 ANC0981 and 2 ANC2017: tot. length 190 cm, weight 1690 g



## FALL ARREST LANYARDS WITH LIMITED SHOCK ABSORBER



Titanium 10,5 mm lanyards, **equipped with limited shock absorber**. Maximum extension: fall factor 1 = 50 cm, fall factor 2 = 70 cm. In compliance with EN355.

- 5 **ANC5040101** - lanyard with shock absorber + 1 ANC0981 safety + 1 ANC2017 connector: tot. length 150 cm, weight 900 g
- 6 **ANC5040201** - lanyard with shock absorber + 1 ANC0981 safety + 2 ANC2017 connectors: tot. length 150 cm, weight 1540 g



## 7 EN354 LANYARDS



Can also be used as fastening system. Made of Ø 10,5 mm polyamide static rope. Available in three different lengths, with thimbles (no clips included). In compliance with EN 354 Standard.

- ANC2030100** - lanyard, length 100 cm, weight 140 g
- ANC2030150** - lanyard, length 150 cm, weight 180 g
- ANC2030200** - lanyard, length 200 cm, weight 220 g

## 8 ADJUSTABLE POSITIONING LANYARD



Ø 10.5 mm semi-static polyamide rope; polypropylene safety thimble. Breaking load: 27.50 kN According to EN358.

- ANC203007** - adjustable lanyard: length from 115 to 200 cm, weight 280 g

## 9 TRIGGER POSITIONING LANYARD



Ø 12.5 mm semi-static polyamide rope. Aluminum alloy adjustment device. Sheath tubular protection for use as an anchor around structures. Supplied with 2 connectors:

- 1 oval (3 movements automatic closing), made of 24kN aluminum alloy, 17 mm opening
- 1 double lever, aluminum alloy, 35 kN resistance, 23 mm opening. In accordance with EN358.

- ANC203101** - adjustable lanyard: length from 0,5 to 2 mt, weight 710 g

## GOBLIN KIT LANYARD FALL ARREST SYSTEM

Sturdy aluminum structure with stainless steel mechanism. Designed for a fluid sliding on the rope, both during the ascent and during the descent phases. It includes a special tape of 26 cm, as extension. It does not require a shock absorber. Two operation modes: anti-fall and ascent blocking, switchable with a simple button. The 10.5 mm Lithium ropes are supplied with slotted ends and plastic covers, 22 kN resistance.

- 10 **ANC099905** - EN12841/A-B EN353-2 Goblin device, EN354 tape, 2 EN362 snap hooks (components supplied disassembled), weight 655 gr
- 11 **ANC2510** - rope 10 m, weight 750 gr
- ANC2520** - rope 20 m, weight 1,4 kg
- ANC2530** - rope 30 m, weight 2,05 kg





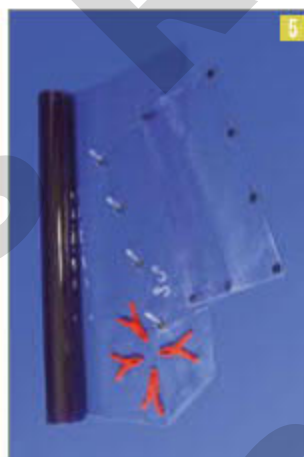


# ELECTRICITY PROTECTION

Miscellaneous



GLOVES FOR ELECTRIC ARCS  
TAG002/.. (ON REQUEST)



## 1 ISOLATING RUBBER MATS

Made of rubber, with imprinted anti-slip grey cloth surface. Thickness from 3 to 6 mm, inspected with test voltages from 30,000 to 40,000 Volt. **Can be supplied with height of 100 cm, in pieces from 2 metres** and multiples up to a maximum of metres specified in the table (state the number of pieces). **Non flame propagating in compliance with the IEC 61111 Standard.** Inspection marking embossed on the mat at every metre.

### FEATURES AND CODES OF ISOLATING MATS

CODE	IEC 61111 COMPLIANCE	TEST VOLTAGE	WITHSTAND VOLTAGE	USE VOLTAGE	THICKNESS (mm)	MAX. LENGTH (m)
TP030	class 3	30 kV	40 kVac	26,5 kVac	3,0	10
TP045	class 4	40 kV	50 kVac	36 kVac	4,5	10
TP060	class 4	40 kV	50 kVac	36 kVac	6,0	10

## 2 DIELECTRIC GLOVES

Insulating gloves in natural latex for jobs on live plants. Packed individually in anti-U.V. matt bag, stating the recommendations for use and preservation. Glove length approx. 360 mm. **In compliance with EN 60903 Standard.**

### FEATURES AND CODES OF DIELECTRIC GLOVES

CODE	MAXIMUM VOLTAGE TO BE USED	TEST VOLTAGE	CLASS	SIZES	THICKNESS (mm)
GD02/..	500 V	2.500 V	00	8-9-10-11	0,5
GD05/..	1.000 V	5.000 V	0	8-9-10-11	1
GD10/..	7.500 V	10.000 V	1	8-9-10-11	1,5
GD20/..	17.000 V	20.000 V	2	8-9-10-11	2,3
GD30/..	26.500 V	30.000 V	3	8-9-10-11	2,9
GD40/..	36.000 V	40.000 V	4	8-9-10-11	3,6

## 3 GLOVE CASE

Can be fixed to wall and has handle for transport.

**GD43** - rigid PVC glove case, dimensions 430 x 170 x 50 mm

## 4 PNEUMATIC VERIFIER FOR GLOVES

**CD44** - pneumatic verifying device For periodic control of any holes in dielectric gloves (in compliance with the EN 60903 Standard) via inflation.

## 5 ISOLATING ROLLS/SHEETS

For temporary protection from accidental contact during jobs on live electric installations up to 1000 Volts. Flexible, transparent, resistant to oils and acids, self-extinguishing. Test voltage 5 kV, maximum input current at the test voltage 0.4 mA, reach-through voltage 16 kV.

**T1325R** - roll without eyelets, fixing via clamps (supplied separately, h 1.40 m, thickness 0.5 mm, supplied in 25 m roll. In compliance with CEI IEC 61112 and ENEL EA 0337. Unified Technical Specification. Breaking load 19.1 MPa

**T1305T** - sheet 1000 x 800 mm, thickness 0.5 mm, with eyelets and 2 plastic hooks included in the packet for fixing. In compliance with CEI IEC 61112 and ENEL EA 0337. Unified Technical Specification. Breaking load 19.1 MPa

**T196P** - clamps for rolls fixing

## LOW BOOTS AND HIGH BOOTS FOR PROFESSIONAL USE

Two models in rubber. The lining of both models is rot-proof, antimycotic, absorbent, hypoallergenic and with excellent resistance to wear.

**ZCD510..** - dielectric amber low boot, tested to 10000 V, height 26 cm. For jobs on live parts or near to active parts not over 1000 Vac. Sizes: from 37 to 47 (37/38, 40/41 and 46/47, grouped). In compliance with EN 20347:2004 - EN 13287:04 - EN 20344:2004 - EN 50321/99 standard

**ZCD520..** - light brown boot, tested to 20000 V, height 35 cm. ATS sole with high adherence on all types of surface. **Composite toe-cap and anti-perforation plate.** Sizes: from 37 to 47 (37/38, 40/41 and 46/47, grouped). In compliance with EN ISO 20345 SBPE C1 SRC EN 13287 standard

## 6 METAL FREE GLASSES

Essential, wrap-around design, perfect for anyone looking for a product **without any metal parts**. Inclination adjustable side arms in soft bi-component material. Less pressure on the face for great comfort in the event of continuous use. Heat resistance "A" (+55°C / -5°C). Weight 27 g. In compliance with EN166 1 F standard.

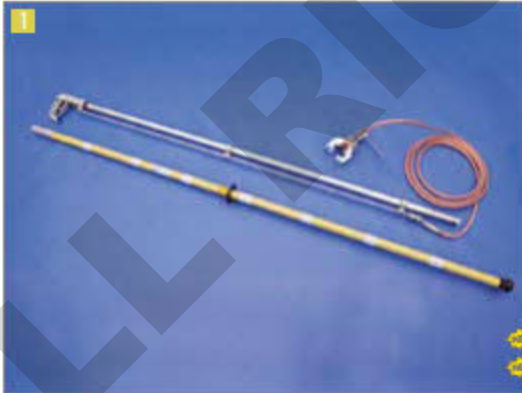
**APD8330** - clear, anti-fogging and scratch-proof lens, blue side arms

## 7 ISOLATING STAND

Built in plastic reinforced with glass fibres. 50x50cm surface with thickness of 4mm. Anti-slip surface and 4 legs in highly insulating and resistant material, screwed in with an inclination that makes it impossible for the standing surface to overturn. **In compliance with ENEL specifications.**

**PD4526** - isolation 45.000 V, clearance cm 56 x 56, h cm 26





### 1 EARTHING AND SHORT CIRCUIT PORTABLE DEVICES FOR 3 KV C.C. POWER SUPPLY LINES

Device in compliance with RFI DMA IM TE SP IFS 083 technical supply specification. Composed of:

- insulating part in CEI EN 61235 (CEI IEC 1235) fiberglass tube, diameter 40 mm, length 2.50 m, filled with polyurethane foam, with f-type bayonet connection;
- metal extension in aluminum tube (diameter 35 mm), with conductor element in aluminum plate and m-type bayonet connection;
- aluminum alloy light contact clamp fixed to the upper end;
- flexible electrolytic copper cable with a **cross-section of 95 mm<sup>2</sup>**, covered with a transparent silicone sheath, **4.95 m long**;
- earthing terminal for rail connection equipped with a dynamometric closure.

**RFI600** - two-element type for power supply lines. Cat. RFI 817/600. Total length 4.6 m

**RFI601** - two-element type for power supply lines. Cat. RFI 817/601. Total length 9.2 m

**RFI602** - three-element type for power supply lines. Cat. RFI 817/602. Total length 5.5 m



### 2 EARTHING AND SHORT CIRCUIT PORTABLE DEVICES FOR 25 KV - 50 HZ POWER SUPPLY LINES

Device in compliance with RFI DMA IM TE SP IFS 083 technical supply specification. Composed of:

- insulating part in CEI EN 61235 (CEI IEC 1235) fiberglass tube, diameter 40 mm, length 2.50 m, filled with polyurethane foam, with f-type bayonet connection;
- metal extension in aluminum tube (diameter 35 mm), with conductor element in aluminum plate and m-type bayonet connection;
- aluminum alloy light contact clamp fixed to the upper end;
- flexible electrolytic copper cable with a **cross-section of 50 mm<sup>2</sup>**, covered with a transparent silicone sheath, **6.10 m long**;
- earthing terminal for rail connection equipped with a dynamometric closure.

**RFI603** - two-element type for power supply lines. Cat. RFI 817/603. Total length 5,5 m

**RFI604** - two-element type for feeder. Cat. RFI 817/604. Total length 8,1 m

**RFI605** - two-element type for power supply lines. Cat. RFI 817/605. Total length 4,6 m

**RFI606** - two-element type for feeder. Cat. RFI 817/606. Total length 8,1 m



### 3 RTC3600/FER VOLTAGE DETECTOR



- Suitable for indoor and outdoor use.
- Operating voltage: 385 ÷ 3.600 V c.c.
- Double alert for voltage presence with acoustic (intermittent) and luminous (flashing) signal, by 2 red LED lights.
- Absence of voltage indicated by unchanging green LED light.
- Low battery indicated by the orange LED lighting up.
- Incorporated self-control device for operation check.
- ABS container.
- 360° rotating, hook-shaped, metal contact tip.
- Universal type toothed connection for attachment on the head of the insulating rod.
- Electrolytic copper cable covered with a thermoplastic sheath for connection to the ground terminal. Section 1 mm<sup>2</sup>, length 8 m (or other, to be agreed).
- Earth terminal
- Box for containment and transport.
- Insulating rod in resin reinforced with glass fibers, with a total length of 4 m (or other, to be agreed).
- Waterproof canvas case for the containment and transport of the rod.

**RFI3600** - bipolar electronic detector for presence / absence of voltage with sound and light signal, for use on railway lines and installations



### 4 RMT3090/TAV VOLTAGE DETECTOR

- Certificate of conformity to CEI EN 61243-1 (CEI IEC 61243-1) International Standard.
- Suitable for indoor and outdoor use.
- Double alert for voltage presence with acoustic (intermittent) and luminous (flashing) signal, by 2 red LED lights.
- Absence of voltage indicated by unchanging green LED light.
- Low battery indicated by the orange LED lighting up.
- Incorporated self-control device for operation check.
- ABS container.
- 360° rotating, hook-shaped, metal contact tip.
- Universal type toothed connection for attachment on the head of the insulating rod.
- Power supply: 9V alkaline battery
- Detector supplied in a special container with internal moltoprene foam housing.
- On request, the insulating rod is supplied with or without waterproofed canvas case.

**RFI3090** - unipolar electronic detector for presence / absence of voltage with sound and light signal for AV 25kV c.a railway lines



### 5 DEVICE FOR ELECTRICAL CONTINUITY IN RAILS MOD WI 33-120



Composed by:

- 2 clamps in molded brass (mod. MT 33 / S), suitable for clamping on the lower track rail.
- super-flexible connecting cable (for the two terminals), in electrolytic copper, painted with transparent silicon sheath.
- transport box in rigid plastic material.

Complete, at the ends, of tinned electrolytic copper terminals and additional transparent heat-shrink reinforcements.

**RFI633** - device for electrical continuity in rails, section 120 mm<sup>2</sup>, length 1,5 m





## SAFETY CUTTERS

Miscellaneous



### BASIC SAFETY LEVEL

> CUTTERS WITH AUTOMATIC RETRACTABLE BLADE. THE BLADE RE-ENTERS AS SOON AS IT LOSES CONTACT WITH THE MATERIAL. ONLY IF THE PAWL IS NOT HELD DOWN.

1



2



3



4



#### 1 SECUNORM MULTISAFE

Tested for Safety

Made of die-cast zinc alloy. For right-handed and left-handed use. Detectable with metal detector. **Suitable for cutting triple-wave cartons, adhesive tapes, plastic strapping, sip packaging rolls, textile material, rubber, leather, PVC, felt.** 25 mm blade extension.

MTS8152 - Multisafe; cutting depth 22 mm; total length 150 mm

MTS5232 - 10 spare blades pack

#### 2 SECUNORM PROFI

Tested for Safety

Made of aluminum. **Suitable for cutting films, adhesive tapes and plastic strapping.** Total length 140 mm; 21 mm blade extension.

MTS7152 - Right-hand Profi; cutting depth 20 mm

MTS7252 - Left-hand Profi; cutting depth 20 mm

MTS5232 - 10 spare blades pack

#### 3 SECUNORM HANDY

Tested for Safety

Made of plastic. For right-handed and left-handed use. **Suitable for cutting double-wave cartons, films, adhesive tapes and plastic strapping.** 13 mm blade extension.

MTS0446 - Handy; cutting depth 9 mm; total length 95 mm

MTS4560 - 10 spare blades pack

#### 4 SECUNORM 380

Tested for Safety

For right-handed and left-handed use. Flexible blade to make safe cuts. **Suitable for cutting quad-wave cartons and thick foam blocks, opening bags, splitting sheets of paper, films, adhesive tapes, plastic and PVC strapping, etc.** 78 mm blade extension.

MTS7023 - 380; cutting depth 50 mm; total length 172 mm

MTS7024 - 10 spare blades pack



### HIGH SAFETY LEVEL

> CUTTERS WITH AUTOMATIC RETRACTABLE BLADE. THE BLADE RE-ENTERS AS SOON AS IT LOSES CONTACT WITH THE MATERIAL. EVEN IF THE PAWL IS HELD DOWN.

5



6



#### 5 SECUPRO MAXISAFE

Tested for Safety

Made of plastic. For right-handed and left-handed use. **Suitable for cutting films, sheets of paper and foil, rubber, polystyrene, felt, wool and plastic strapping.** 19 mm blade extension.

MTS1199 - Maxisafe; cutting depth 17 mm; total length 145 mm

MTS9950 - 10 spare blades pack

#### 6 SECUPRO MERAK

Tested for Safety

Made of plastic. With lever, for right-handed and left-handed use. Equipped with a blade locking system to prevent the blade to accidentally get out. **Suitable for cutting double-wave cartons, plastic strapping, adhesive tapes and packing rolls.** 12 mm blade extension.

MTS7025 - Merak; cutting depth 9 mm; total length 130 mm

MTS7021 - 10 spare blades pack



### TOP SAFETY LEVEL

> CUTTERS WITH HIDDEN BLADE FOR TOP SAFETY LEVEL AND PROTECTION OF PACKED GOODS.

7



8



#### 7 SECUMAX 350

Tested for Safety

Made of plastic; very light (only 37 g). For right-handed and left-handed use. Blade with two rounded edges suitable for cutting packaging tapes. **Suitable for cutting double-wave cartons, films, adhesive tapes and plastic strapping.** Supplied with additional spare blade.

MTS7081 - Secumax 350; cutting depth 5 mm; total length 155 mm

MTS7082 - 10 spare blades pack

#### 8 SECUMAX 150

Tested for Safety

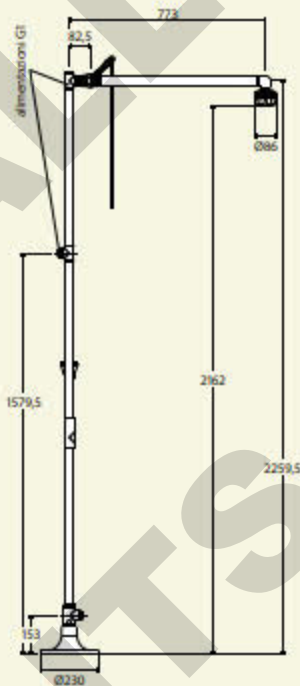
Made of plastic; very light (only 24 g). For right-handed and left-handed use. **Suitable for cutting, scraping and splitting double-wave cartons, films, adhesive tapes, products in bags, rolls of paper and foil.** The upper part of the blade allows it to be used as a scraper, blade width 21 mm. Non-replaceable fixed blade model.

MTS7071 - Secumax 150; total length 150 mm





## FLOOR-STANDING SHOWERS AND EYE-WASHERS (mm)



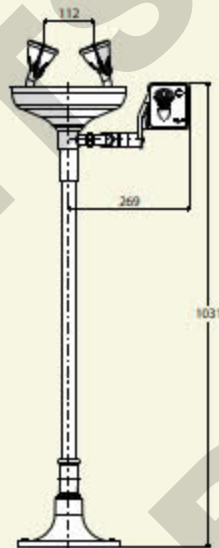
## PEDESTAL SHOWER AND EYE-WASHER

Floor installation. Base with aluminum pedal. ABS bowl. Special brass head, helical triangular jet. Manual and/or pedal control for eyewash unit. Pull cord command for the shower. Supply: G1, to be connected to the water supply. Use drinking water. Drain: G1. Minimum required pressure: 2 bar. Water flow: > 60 l/min.

- 1 LVD14Y - floor-standing shower and eye-washer
- 2 LVD15Y - floor-standing shower and eye-washer with double command



## PEDESTAL EYE-WASHERS (mm)



## PEDESTAL EYE-WASHER

Floor installation. Base with aluminum pedal. ABS bowl. Manual and/or pedal control. Supply: G1/G2, to be connected to the water supply. Use drinking water. Drain: G1. Minimum required pressure: 2 bar. Water flow: > 12 l/min.

- 3 LVD12Y - floor-standing eye-washer
- 4 LVD13Y - floor-standing eye-washer with double command



## WALL-MOUNTED EYE-WASHER WITH BOWL

Wall installation. Manual command with lever, including sign (in compliance with standard). Supply: G1/G2, to be connected to the water supply. Use drinking water. Drain: G1. Minimum required pressure: 2 bar. Water flow: > 12 l/min (in compliance with standard).

- LVD11Y - wall-mounted eye-washer with ABS bowl





ITALIAN MINISTERIAL DECREE N° 388 DATED 15.07.03 OFFICIAL JOURNAL N° 27 DATED 03.02.04



**List of aids Attachment 1** (companies in group A and companies in group B with 3 or more employees).

5 pairs of sterile gloves; mask with splash shield; 3 x 500 ml bottles of physiological saline; 2 x 500 ml bottles of 10% Povidone-iodine disinfectant solution for the skin; 10 sterile gauze compresses 10 x 10 cm; 2 sterile dressings 18 x 40; 2 sterile cloths for burns; 2 pairs of disposable sterile tweezers; 1 packet of absorbent cotton; 1 elastic net bandage; 1 gauze bandage 3.5 x 10 cm; 2 packs of various sized plasters; 2 rolls of plasters 2.5 h cm; 1 pair of scissors; 3 tourniquets; 2 packs of instantaneous ice; 2 disposable bags for sanitary waste; 1 clinical thermometer; appliance for measuring blood pressure; M.D. n. 388 instructions sheet; multi-language first-aid instructions.

**List of aids Attachment 2** (companies in group C, with less than 3 employees, not included in group A).

2 pairs of sterile gloves; 1 x 125 ml bottles of 10% Povidone-iodine disinfectant solution for the skin; 1 x 250 ml bottles of physiological saline; 3 sterile gauze compresses 10 x 10 cm; 1 sterile dressing 18 x 40; 1 pair of disposable sterile tweezers; 1 packet of absorbent cotton; 1 pack of various sized plasters; 1 roll of plasters 2.5 h cm; 1 hem bandage roll h 10 cm; 1 pair of scissors; 1 tourniquet; 1 pack of instantaneous ice; 1 disposable bag for sanitary waste; M.D. n. 388 instructions sheet; multi-language first-aid instructions.

## ATTACHMENT 1



### 1 FLUO METAL CABINET

Made of epoxy-polyester painted metal. Easily identifiable within the work place thanks to the fluorescent yellow color. 1 door, 1 shelf; lock with key. Content: medical devices prescribed by Attachment 1 of Italian M.D. N. 388.

**BRA101F** - dimensions 30 x 12 x 40 h cm

### 2 FLUO PORTABLE PLASTIC MEDICATION CASE

ABS case, easily identifiable within the work place thanks to the fluorescent yellow color. A must for outdoor activities related to construction and road maintenance works, where the lack of sunlight or the presence of fog and haze could prevent its easy identification. Content: medical devices prescribed by Attachment 1 of Italian M.D. N. 388.

**BRV101F** - dimensions 42 x 31 x 11 h cm

## ATTACHMENT 2



### 3 FLUO METAL CABINET

Made of epoxy-polyester painted metal. Easily identifiable within the work place thanks to the fluorescent yellow color. 1 door, 1 shelf; lock with key. Content: medical devices prescribed by Attachment 2 of Italian M.D. N. 388.

**BRA201F** - dimensions 30 x 12 x 40 h cm

### 4 FLUO PORTABLE PLASTIC MEDICATION CASE

ABS case, easily identifiable within the work place thanks to the fluorescent yellow color. A must for outdoor activities related to construction and road maintenance works, where the lack of sunlight or the presence of fog and haze could prevent its easy identification. Content: medical devices prescribed by Attachment 2 of Italian M.D. N. 388.

**BRV201F** - dimensions 42 x 31 x 11 h cm





## Cabinets and cases ATTACHMENT 1



**CUSTOMIZABLE REFILL PRODUCTS, ACCORDING TO THE COUNTRY LEGISLATION, AVAILABLE ON DEMAND**

**1 METAL CABINET**

White epoxy-polyester painted cabinet; 1 door, 2 inner shelves, lock with key. Content: medical devices prescribed by Attachment 1 of Italian M.D. N. 388.

**BRA101** - dimensions 30 x 12 x 40 h cm

**2 PLASTIC CABINET**

Shock-proof white plastic cabinet, 2 doors, 2 inner shelves. Content: medical devices prescribed by Attachment 1 of I.M.D. N. 388.

**BRA102** - dimensions 45 x 13 x 37,5 h cm

**3 PORTABLE MEDICATION CASE**

Shock-proof green ABS case, with handle and support for wall assembly on vehicles. Content: medical devices prescribed by Attachment 1 of I.M.D. N. 388.

**BRV101** - dimensions 42 x 31 x 11 h cm

## Cabinets and cases ATTACHMENT 2

**4 PLASTIC CABINET**

White plastic cabinet, 1 door, 2 inner shelves. Content: medical devices prescribed by Attachment 2 of I.M.D. N. 388.

**BRA102** - dimensions 22 x 12 x 34 h cm

**5 METAL CABINET**

White epoxy-polyester painted cabinet; 1 door, 2 inner shelves, lock with key. Content: medical devices prescribed by Attachment 2 of Italian M.D. N. 388.

Add-on: 2 sterile dressings 18 x 40; 1 packet of absorbent cotton; 1 hem bandage roll 3,5m x h 10 cm; 1 TNT triangular sheet 96 x 96 x 136 cm; 1 isothermal blanket 160 x 210 cm; 1 pack of 8 wipes (3 disinfectants, 2 of ammonia, 3 of liquid soap); 1 sachet of preparation for burns in gel 3,5 g; 1 tampon bandage 80 x 100 cm; 2 sheets 40 x 60 cm for burns

**BRA201** - dimensions 30 x 12 x 40 h cm

**6 PORTABLE PLASTIC CASE**

Shock-proof orange ABS case, with transparent separator for a better storage of products. Equipped with support for wall assembly on vehicles. Content: medical devices prescribed by Attachment 2 of I.M.D. N. 388.

Add-on: 2 sterile dressings 18 x 40; cm; 1 sheet 40 x 60 cm for burns; 1 pack of 8 wipes (3 disinfectants, 2 of ammonia, 3 of liquid soap); 1 TNT triangular sheet 96 x 96 x 136 cm

**BRV201** - dimensions 32 x 21 x 12 h cm

**7 PORTABLE PLASTIC CASE**

Shock-proof green polypropylene case, with handle and support for wall assembly on vehicles. Content: medical devices prescribed by Attachment 2 of I.M.D. N. 388.

**BRV202** - dimensions 32 x 21 x 9 h cm





# EMERGENCY EYEWASH KIT, PICK-UP PINCERS, BURNS KIT AND REFILL PRODUCTS

Miscellaneous



## 1 EYE-WASH STATION

Container hanging on the wall for effective first emergency eye-wash. In thermoformed material. It is supplied with screws and plugs. The box contains a mirror and two 500 ml bottles of sterile saline solution.

**BRV304** - station, dimensions 25 x 15 x 8 cm

## EYE-WASH KIT

Green polypropylene case with support for attachment to wall or onto vehicles.

Content: 1 x empty bottle for eye-wash; 1 x 500 ml bottle containing sterile saline solution for eye-wash (Medical Device 93/42/CEE CE 0473); 2 eye pads; 2 bags of sterile absorbent dressings 18 x 40 mm; 1 pair of scissors; 1 roll of plasters 1 m x 2 cm; 1 packet of tissues; 1 mirror; user instructions.

**2 BRV305** - case, dimensions 32 x 23 x 9 h cm

**3 BRV126** - 500 ml bottle, containing sterile saline solution, and cap

**CUSTOMIZABLE REFILL PRODUCTS, ACCORDING TO THE COUNTRY LEGISLATION, AVAILABLE ON DEMAND**



## 5 BURNS KIT

Polypropylene case with support.

Content: 3 x anti-burn preparation 3,5 g; 1 anti-burn compress 10 x 10 cm; 1 pair of filter scissors 14,5 cm DIN; 1 x 500 ml bottle of sterile eye-wash solution; 2 x disposal sterile tweezers; 1 x roll of plasters 5 m x 2,5 cm; 2 non-woven fabric sterile sheets 40 x 60 cm; 2 x bandages with non-stick pad 100 x 120 mm; 1 x triangular TAT cloth; 2 x sterile adhesive eye compresses; 1 x non-stick dressing 10 x 8 cm; 2 x packets of 25 sterile compresses 10 x 10 cm; 2 pairs of sterile latex free gloves; 1 content list; 1 multi-language first-aid manual.

**BRV303** - dimensions 250 x 190 x 85 mm

## ATTACHMENT 1



## ATTACHMENT 1 + ADD-ON



## ATTACHMENT 2



**REFILL PRODUCTS FOR ATTACHMENT 1, ATTACHMENT 1 + ADD-ON AND ATTACHMENT 2**

**6 BRP100** - "Attachment 1" refill package (cardboard packaging) for BRA101, BRA102 and BRV101. Excluding pressure meter

**7 BRP101** - "Attachment 1 + Add-on" refill package (cardboard packaging) for BRA101, BRA102 and BRV101. Excluding pressure meter

**8 BRP200** - "Attachment 2" refill package (cardboard packaging) for BRA202 and BRV202

## 4 PICK-UP PINCERS

**BRC868** - pick-up pincer for outdoor. Length 200 cm; dimensions 16 x 8 x 200 cm; weight 350 g





## 1 ESTINTORI PORTATILI A POLVERE

Built in compliance with the EN3-7 Standard. Tank sanded and painted with RAL 3000 polyester powder paint. Brass squeeze valve including safety valve and pressure control valve. ABC powder extinguishing agent. Nitrogen propellant. Limit temperature for use: -30°C/+60°C. Can also be used on live electrical equipment. Supplied with wall support. The 1 and 2 kg models are supplied with PVC extinguisher stand for boats or vehicles.

**EOKB01** - load 1 kg, fire class 8A 34BC, Ø 80 x 314 mm, weight 2 kg

**EOKB02** - load 2 kg, fire class 13A 89BC, Ø 102 x 376 mm, weight 3.7 kg

**EOKB04** - load 4 kg, fire class 21A 144BC, Ø 130 x 493 mm, weight 6.8 kg

**EOKB06** - load 6 kg, fire class 34A 233BC, Ø 160 x 496 mm, weight 9.5 kg

**EOKF06** - load 6 kg, fire class 43A 233BC, Ø 170 x 511 mm, weight 10 kg

**EOKB09** - load 9 kg, fire class 55A 233BC, Ø 170 x 511 mm, weight 10 kg

**EOKB12** - load 12 kg, fire class 55A 233BC, Ø 170 x 700 mm, weight 16.5 kg



## 2 CO<sub>2</sub> TROLLEY EXTINGUISHERS

The trolley is separated from the extinguisher, as required by Standard, and made of steel, including saddles for cylinder attachment. Sanded and RAL 3000 red painted steel cylinder. Brass hand wheel valve complete with safety valve against over pressures and immersed hose. Hose made up from a rubber pipe complete with ball cut-off valve and PVC cone nozzle. CO<sub>2</sub> extinguishing agent.

**ECCS018** - load 18 kg, fire class B8 - C, Ø 227 x 1180 mm, weight 67 kg

**ECCS027** - load 27 kg, fire class B8 - C, Ø 227 x 1410 mm, weight 85 kg

**ECCS054** - load 54 kg, fire class B1 - C, Ø 460 x 1410 mm, weight 174 kg



## 3 POWDER AND FOAM TROLLEY EXTINGUISHERS

**Powder:** the trolley is made of steel and include saddles for cylinder attachment. RAL 3000 red painted steel tank. Hose made up from a rubber pipe with fabric reinforcement and ball cut-off valve. ABC multi-purpose powder extinguishing agent. **Foam:** as above but with internally plasticized steel tank and 3 % AFFF foam extinguishing agent.

**ECPK030** - load 30 kg, fire class A - B1 - C, Ø 244 x 1050 mm, weight 58 kg

**ECPK050** - load 50 kg, fire class A - B1 - C, Ø 315 x 1160 mm, weight 84 kg

**ECPK100** - load 100 kg, fire class A - B1 - C, Ø 360 x 1365 mm, weight 152 kg

**ECSC050** - load 50 l, fire class A - B4, Ø 315 x 1160 mm, weight 84 kg



## PAINTED TUBE MODULAR EXTINGUISHER STAND

Built with Ø 25 mm painted tube. For extinguishers from 4 to 12 kg. Colors: **N** black **R** red (on request: **C** chrome-plated steel)

**4 PST190** - tall extinguisher stand, including rod with double-sided sign. Supplied disassembled. Extinguisher excluded. Dimensions: 30 x 30 x 190 h cm

**5 PST070** - low extinguisher stand. Supplied disassembled. Extinguisher excluded. Dimensions: 30 x 30 x 74 h cm



## PROTECTIVE HOODS FOR PORTABLE AND TROLLEY EXTINGUISHERS

Made of waterproof material designed to protect extinguishers normally located outdoors. Equipped with a transparent window for checking the pressure gauge.

**6 EOCAP1254** - hood for 6 kg portable fire extinguisher

**7 EOCAP1258** - hood for portable extinguishers from 9 to 12 kg

**EOCAP1250** - hood for 30 kg trolley fire extinguisher

**EOCAP1252** - hood for 50 kg trolley fire extinguisher





## EXTINGUISHER CABINETS, HYDRANTS, MEGAPHONES AND ROPES

Miscellaneous



### UTAH EXTINGUISHER CABINETS WITH SAFETY SEAL

With safety seal, which can be broken by a strain in case of emergency. The opening in the door is protected by the unbreakable sheet.

- 1 CEN61** - red painted sheet steel box, dimensions 280 x 600 x 185 mm, for 6 kg extinguishers
- CEN91** - red painted sheet steel box, dimensions 280 x 800 x 220 mm, for 9 - 12 kg and CO<sub>2</sub> 5 kg extinguishers
- 2 CENX61** - stainless steel box, dimensions 280 x 600 x 185 mm, for 6 kg extinguishers
- CENX91** - stainless steel box, dimensions 280 x 800 x 220 mm, for 9 - 12 kg and CO<sub>2</sub> 5 kg extinguishers

### 3 WALL-MOUNTED HYDRANTS FOR OUTDOOR USE

All wall-mounted hydrants are EN 671/2 CE certified and include: hydrant cock DN 45x1" 1/2 ISO 7 - PN16. Ø 45 mm piping (EN 14540 certified) with fittings (in compliance with EN 804) and straps (in compliance with EN 7422) with strap covering sleeves; hose carrying saddle; identification symbol; user, installation and maintenance instructions; rotating nozzle or with lever; pair of numbered seals; CE Declaration of Conformity (boxes supplied empty on request).

**MCC1920** - TEXAS model in red galvanised steel with thickness of 7/10, 450 x 530 x 200 mm (l x h x d), 20 m hose, MIAMI rotating nozzle

**MCC1820** - as above but with MISTRAL nozzle with lever

**MCC4520** - TEXAS model in galvanised steel for indoor use with 20 m hose and MIAMI rotating nozzle

### 4 10W MEGAPHONE

ABS madden; small size with great power. Easily transportable, it offers the same functions as top-end models; adjustable volume and activable siren. The power of 10W is suitable for events, school use, etc. Adjustable safety strap fixed to the handle.

- Max power 10W
- Siren and whistle: siren function
- Operating autonomy: approximately 9 hours
- RMS power: 5W
- Action range: up to 500 meters (in optimal conditions)
- Weight: 650 g
- Dimensions: 155 x 155 x 245 mm
- Power supply: 8 AA batteries (1.5 Volt) NOT included

**MEGK21** - 10W megaphone



### SERVICE ROPES

Length 20 m, Supplied with snap-hook.

- 5 FAP121** - Ø 12 mm high tenacity polyester rope
- 6 FAP120** - Ø 12 mm medium tenacity polyester rope

### 7 HIGH TENSILE ROPE

Ø 10 mm, Kevlar, anti-acid and anti-limescale rope. Including splice and thimbles at both ends. Other lengths available on request.

**FAP421** - length 20 m





## Fire blankets



FLAME-RETARDANT BLANKETS IN GLASS FIBRE CLOTH THAT DOES NOT BURN, DOES NOT FRAY, DOES NOT LEAVE DEPOSITS AND IS NON-TOXIC.

### 1 FLAME RETARDANT BLANKETS IN SOFT CASING

Flame retardant blankets in unrefined glass fibre, class "0", fireproof material. Max. continuous temperature for the unrefined material without mechanical stress: 540 °C, thickness 0.40 mm (+/- 10%), weight 420 g/m<sup>2</sup> (+/- 10%). Supplied in soft PVC case with reinforced edges and easy opening. For installation on vehicles and walls.

**FBA1015** - dimensions 100 x 150 cm

**FBA1020** - dimensions 100 x 200 cm

**FBA1212** - dimensions 120 x 120 cm

**FBA1220** - dimensions 120 x 200 cm

**FBA1520** - dimensions 150 x 200 cm

**FBA2020** - dimensions 200 x 200 cm

### 2 FLAME RETARDANT BLANKETS IN RIGID CASING

Flame retardant blankets in unrefined glass fibre, class "0", fireproof material. Max. continuous temperature for the unrefined material without mechanical stress: 540 °C, thickness 0.40 mm (+/- 10%), weight 420 g/m<sup>2</sup> (+/- 10%). Supplied in rigid tubular cardboard container.

**FBR1015** - dimensions 100 x 150 cm

**FBR1020** - dimensions 100 x 200 cm

**FBR1212** - dimensions 120 x 120 cm

**FBR1220** - dimensions 120 x 200 cm

**FBR1520** - dimensions 150 x 200 cm

**FBR1818** - dimensions 180 x 180 cm

### 3 EN 1869 FLAME RETARDANT BLANKETS

Flame retardant blankets, suitable for suffocation and therefore the extinguishing of small fires ignited by hydrocarbons, as well as being particularly suitable for fire derived from oils that reach high temperatures and which are very difficult to inhibit. Fabric impermeable to boiling oil and vapors, which consequently develop for the time necessary to suffocate the flame and cool the oil. Made of painted fiberglass, with special resin on two sides. Tubular container in rigid cardboard. Weight 260 g/m<sup>2</sup> (+/- 10%), thickness 0.24 mm (+/- 10%). EN1869 certified.

**FBEN1218** - dimensions 120 x 180 cm

**FBEN1215** - dimensions 120 x 150 cm

**FBEN1818** - dimensions 180 x 180 cm

### 4 BLANKET KIT

Flame retardant/anti-burn blanket kit, including: 1 HYDROGEL blanket 120 x 160 cm and 1 silver/gold isothermal blanket 220 x 160 cm. Military and NATO coded blanket.

**BUK883** - Flame retardant/anti-burn blanket kit

### 5 WELDING BLANKETS

Amorphous silicon fabric, inorganic finish and "Vermiculite"-based anti-fray treatment.

**TAS1092** - dimensions 920 x 1000 mm

**TAS1292** - dimensions 920 x 1200 mm

### 6 ISOTHERMAL BLANKET

Very light, insulating and repeatedly reusable isothermal cloth. Among its features: perfect wind resistance, water repellency and lightweight thanks to the presence of aluminum. The cloth reflects and retains over 80% of the heat emanating from the body allowing it to keep a person warm even in cold temperatures. Silver/blue color.

**BRB107** - isothermal blanket 208 x 120 cm

### 7 GOLD ALUMINUM ISOTHERMAL BLANKET

Emergency isothermal blanket in polyester film with aluminum/gold-plated aluminum blanket.

**BRB103** - isothermal blanket, dimensions 160 x 210 cm







## NEW ATEX STANDARD - 2 APRIL 2015

All ATEX certified torches must have the printed reference code. This code informs the user about which area the torch can be used in, without risk of explosion. All PELI explosion proof torches are EN 60079-0: 2012 certified.

**1 3660 RECHARGEABLE TORCH**

**Rechargeable** right angle flashlight in plastic material, resistant to shocks, falls and chemical substances. Submersible up to 1 m. Power supply: 4 x AA NiMH batteries (included). Autonomy: 3 hours, 45 minutes. **Atex II 2 G Ex ib IIC T4 Gb. Zone 1. Protection level: IPX7.**

- ◆ 176 Lumens
- ◆ charging time: 2-3 hours
- ◆ weight with batteries: 191 g

**TPE036601** - LED rechargeable flashlight, length 195 mm

**2 2460 RECHARGEABLE TORCH**

**Rechargeable** medium flashlight in plastic material, resistant to shocks, falls and chemical substances. Submersible up to 1 m. **Can be used with clip for TPE770C helmet.** Power supply with 4 x AA NiMH batteries (included). Autonomy: 5 hours. **Atex II 2 G Ex ib IIC T4 Zone 1. Protection level: IPX7.**

- ◆ 181 Lumens
- ◆ charging time: 5 hours
- ◆ weight with batteries: 221 g

**TPE024601** - LED rechargeable flashlight, length 178 mm

**3 2010 LED FLASHLIGHT**

In plastic antistatic material; light and Submersible up to 150 m. ON/OFF function to avoid any risk of accidental accension. Power supply: 3 C type alkaline batteries (not included). **Atex II 1G Ex ia IIC T4/T3 Ga - II 1D ia IIC T135c T200c. Zone 0. Protection level: IPX7.**

- ◆ 129 Lumens
- ◆ weight with batteries: 380 g

**TPE02010** - LED flashlight, length 206 mm

**3315RZ1 RECHARGEABLE TORCH**

Compact rechargeable torch, that fits comfortably in the palm of your hand and requires little space for storage. Continuous operating time up to 48 hours. **With 3 different modes: high, low and flashing.** Full-time battery charge level indicator. Immersion up to 1 meter for 30 minutes. **Atex II 2 G Ex ib opis IIC T4 Gb. Zone 1. Protection level: IPX7. Zone 0 version ca be supplied on request.**

- ◆ 176 Lumens
- ◆ Rechargeable, lithium-ion batteries
- ◆ Belt included
- ◆ Autonomy: 5 hours, 30 minutes in high mode, 48 hours in low mode

**4 TPE03315** - rechargeable torch, length 210 mm

**5 TPE03315A** - right angle adapter for TPE03315 torch (torch not included) for hands-free illumination. Allows the articulation of the torch's head, to direct the light right where it is needed

**6 9410L PORTABLE TORCH**

The brightest and lightest portable flashlight in its class. 4 LEDs powered by lithium-ion batteries. Light up to a distance of 435 meters. High technology and innovative features.

- ◆ 1203 Lumens
- ◆ Weight 1,4 kg

**TPE9410** - 9410L portable torch

**7 3765 LED FLASHLIGHT**

High performance, rechargeable, right angle torch, with extremely powerful light beam. Equipped with: LEDs pointing downwards illuminating the path, flashing mode, indicator of remaining battery life and rear hook for hands-free use (A). **Atex II 1 G Ex ia op is IIC T3 Ga. Zone 0. Protection level: IPX4.**

- ◆ 194 Lumens
- ◆ focus up to a 260 m
- ◆ tempo di ricarica 3 ore
- ◆ weight 500 g

**TPE3765** - LED flashlight, length 139 mm

**8 2755 LED FLASHLIGHT FOR HELMETS**

**ATEX certified**, LED flashlight: luminous and compact, made of weatherproof material. Operation in flashing and low light mode. Autonomy from 6 to 15 hours. AAA alkaline batteries included. Supplied in blister with double band: in rubber for on-helmet use and in antistatic fabric for on-head use. **Atex II 1 G Ex ia IIC T4 Ga. Zone 0.**

**TPE2755** - LED flashlight for helmets, length 57 mm, weight 130 g, with batteries, 72 Lumens, in compliance with EN 60079-0:2012 standard





## 1 9415 RECHARGEABLE TORCH



Antistatic plastic, **rechargeable** LED lamp. 4 LED light bulb. Recharge with proper 230V - 50/60 Hz power supply and with 12V battery. Battery: 4 D Ni-MH (included). Autonomy: 4,5 hours (high intensity) - 11 h (low intensity). **Atex II 1 G Ex ia IIC T4 Ga. Zone 0. Protection level: IPX4.**

- ♦ 144 Lumens
- ♦ charging time: 5,5 hours
- ♦ weight: 1,65 kg

**TPE9415** - rechargeable Atex lamp, length 22.2 cm

**TPE9415C** - optional 12/24 V adapter



## 2 RALS 9440



LED lighting system for a quick illumination of gorges, confined spaces, watersides and any other place impossible to reach for the generator lights. Rechargeable battery; Bluetooth remote activation, with variable brightness control; three predefined power levels; battery level indicator. Adjustable shoulder strap for transport included. Maximum height 2.13 m. 5300 lumen beam with 125 ° light beam opening. Continuous lighting up to 8 hours.

**TPE9440** - head lamp dimensions: 20 x 20 x 8.9 cm; opened lamp dimension: 216 x 91 x 91 cm



## 4 RALS 9455



Portable, light (7.3 kg) and compact LED lighting system, suitable for transport by hand and easy to set. Light beam up to 1,600 lumens in high mode and up to 800 lumens in low mode; 50,000 hours life span; continuous lighting up to 10 hours; 125 ° light beam range. Power supply with NiMH rechargeable battery; battery level indicator; 8 hours charging time. European certification: **ATEX Zone 0 (Cat.1), IECEx ia e Class I Division 1. Protection level: IP54.**

**TPE9455** - head lamp dimensions: 21 x 14,5 x 5 cm; closed lamp dimension: 39 x 20 x 23 cm



## 5 RALS 9460



Powerful LED lighting system with rechargeable battery; a cost-effective and environmentally friendly alternative to lights powered by expensive generators. Enclosed in sturdy suitcase, compact size, easy to handle thanks to the handle and the polyurethane wheels equipped with stainless steel bearings. The smart battery control system allows the user to expand its life duration by adjusting the intensity of the light. Designed to offer top versatility, it is in fact equipped with two telescopic uprights (max h 1.52 m), extendable up to about 1.83 m, and two lights with 360 ° range rotation. Individual watertight switches; 12,000 lumens light beam; continuous lighting: from 7 to 40 hours.

**TPE9460** - head dimensions: 16,5 x 20 x 6,5 cm; closed lamp dimensions: 56 x 35 x 23 cm



## 3 RALS 9490



LED lighting system with 50,000 hours life span. Bluetooth functionality included for remote control via iPhone™ or Android app; replaceable 12V rechargeable battery; comfortable shoulder strap; regulation in different positions; 340 ° rotation; battery charge indicator with permanent status indication; smart control system (it allows different levels of light output). 6,000 lumens light beam. Continuous lighting up to 24 hours.

**TPE9490** - head lamp dimensions 21 x 14,6 x 5,7 cm; closed lamp dimensions: 50,8 x 16,5 x 28,6 cm







# ABSORBENT PRODUCTS



UNIVERSAL  
SORBENTS



OIL  
SORBENTS



SORBENTS  
FOR CHEMICAL  
SUBSTANCES



# FOR ACCIDENTAL SPILLS

WHEELS  
BIN KIT



CYLINDRICAL  
BIN KIT



NYLON  
BAG KIT







## STORAGE TRAYS FOR DANGEROUS SUBSTANCES

Miscellaneous

### Galvanized steel collection trays - BASIC line

Galvanised sheet steel collection trays for 200 lt drums and small containers. Removable galvanized grid surface.



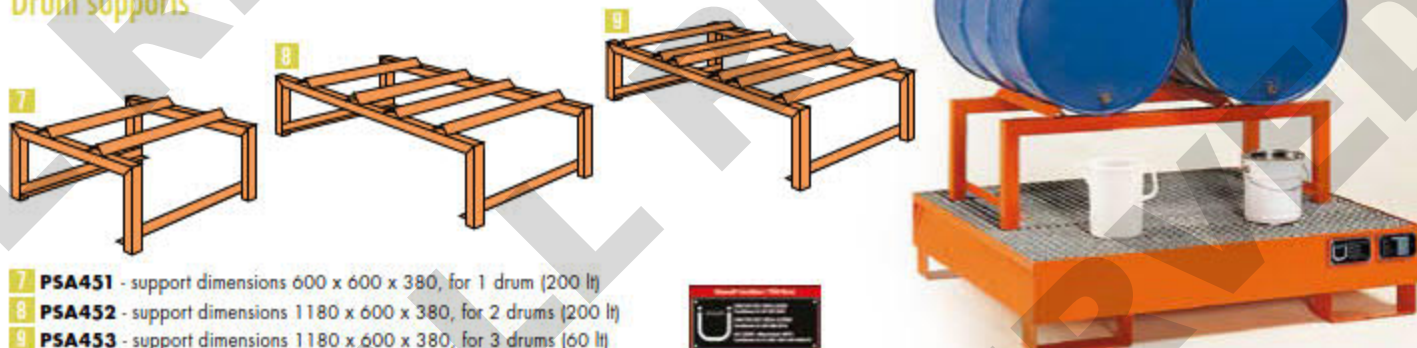
### Painted steel collection trays - TOP line

Painted sheet steel collection trays for 200 lt drums and small containers. Removable galvanized grid surface.



- 1 **PSA101** - galvanized steel conical tray, with 800 x 800 x 450 mm grid; storage capacity: 1 x 200 lt drum. **Collection volume: 205 lt.**
- 2 **PSA102** - galvanized steel conical tray, with 1200 x 800 x 340 mm grid; storage capacity: 2 x 200 lt drums. **Collection volume: 214 lt.**
- 3 **PSA104** - galvanized steel conical tray, with 1200 x 1200 x 300 mm grid; storage capacity: 4 x 200 lt drums. **Collection volume: 270 lt.**
- 4 **PSA301** - painted steel conical tray, with 860 x 860 x 430 mm grid; storage capacity: 1 x 200 lt drum. **Collection volume: 206 lt.**
- 5 **PSA302** - painted steel conical tray, with 1340 x 850 x 330 mm grid; storage capacity: 2 x 200 lt drums - directly on grid, or on 1200 x 800 mm europallet. **Collection volume: 216 lt.**
- 6 **PSA304** - painted steel conical tray, with 1340 x 1250 x 300 mm grid; storage capacity: 4 x 200 lt drums - directly on grid, or on 1200 x 1200 mm europallet. **Collection volume: 271 lt.**
- PSA303** - painted steel conical tray, with 2010 x 850 x 330 mm grid; storage capacity: 3 x 200 lt drums
- PSA305** - painted steel conical tray, with 2660 x 850 x 330 mm grid; storage capacity: 4 x 200 lt drums (or 4 drums on 2 europallets)
- PSA308** - painted steel conical tray, with 2720 x 1250 x 300 mm grid; storage capacity: 8 x 200 lt drums (or 6 drums on 3 europallets, or 8 drums on 2 1200 x 1200 mm europallets).

### Drum supports



- 7 **PSA451** - support dimensions 600 x 600 x 380, for 1 drum (200 lt)
- 8 **PSA452** - support dimensions 1180 x 600 x 380, for 2 drums (200 lt)
- 9 **PSA453** - support dimensions 1180 x 600 x 380, for 3 drums (60 lt)





## 1 COLLECTION AND STORAGE TRAY WITH REMOVABLE SHED

A practical solution that allows the collection tray to be stored outdoors, even where the site does not have a suitable covering. Tray made of steel (3 mm thick, painted with RAL 2004 orange color); storage capacity: 2 x 1000 lt tanks; removable galvanized grid (front side opening for inspection and cleaning of the tray without removing the tanks). The canopy is made of hot-dip galvanized sheet steel and removable (for easy transport and storage); its structural uprights are to be inserted in proper holes (with bolt-type locking), outside the tank. **Collection volume: 1000 lt.**

**PSA322** - dimensions: 3500 x 1900 x 2110 h mm

## ITALIAN MINISTRY FOR THE ENVIRONMENT, LAND AND SEA (DM ENVIRONMENT 24 JANUARY 2011, N. 20)

Regulation establishing the identification of the measurement of absorbent and neutralizing substances with which plants intended for storage, reload, maintenance, deposit and replacement of accumulators must be supplied (O.G. n. 60 dated 14/03/2011). Text in force since 29/03/2011.

## NEUTRALIZING ABSORBENT POWDER FOR SULPHURIC ACID

Neutralizing absorbent powder for sulphuric acid due to the unexpected escape of the same from the batteries. The effective absorbance has been certified by a specialised Body on the basis of the Standard in force: Italian M.D. n° 20 dated 24.01.2011 of the Ministry for the Environment. It completely absorbs the sulphuric acid spilled from the batteries and never releases it. The surface remains clean, dry and can be walked on. Thanks to the mixture of special powders that give an exothermic reaction (neutralization heat), which lasts for about 3-4 minutes, Solfontet neutralizes the sulphuric acid absorbed. The powder used must be disposed of in compliance with the Standards in force, remembering that the product resulting after the two Solfontet phases can be classified as special non-hazardous waste. 500 g of Solfontet powder absorbs 1 lt of liquid. Solfontet has duration of 7 years if stored correctly.

- 2 **PAN5** - Solfontet in 5 kg bag
- PAN2** - Solfontet in 2,5 kg bag
- 3 **PAN2K** - 2.5 kg emergency kit case plus accessories, for sulphuric acid spill, specific for hauliers
- 4 **PAN5K** - 5 kg emergency kit cabinet plus accessories for sulphuric acid spill specific for storage stations
- 5 **PAN3K** - 17.5 kg emergency kit cabinet plus accessories for sulphuric acid spill specic for storage stations
- 6 **PAN4K** - 35 kg emergency kit cabinet plus accessories for sulphuric acid spill specific for storage stations



### CONTENT

- 1 bag of Solfontet absorbent powder 2.5 kg
- 1 pair of anti-acid gloves
- 1 brush and dustpan
- 4 waste disposal bags
- 1 pair of glasses
- 1 FFP2 mask
- 1 instruction manual



### CONTENT

- 1 bag of Solfontet absorbent powder 5 kg
- 4 absorbent cloths (41 x 46 cm) for chemical liquids
- 1 pair of anti-acid gloves
- 4 waste disposal bags
- 1 pair of glasses
- 1 FFP2 mask
- 1 instruction manual



### CONTENT

- 17.5 kg of Solfontet (1 x 2.5 kg bag + 3 x 5 kg bags)
- 2 absorbing socks for acid toxic caustic liquids
- 3 waste disposal bags
- 2 pairs of anti-acid gloves
- 1 pair of glasses
- 1 FFP2 mask
- 1 instruction manual



### CONTENT

- 35 kg Solfontet (7 x 5 kg bags)
- 2 absorbing socks for acid toxic caustic liquids
- 4 waste disposal bags
- 2 pairs of anti-acid gloves
- 1 pair of glasses
- 1 FFP2 mask
- 1 instruction manual

COLOR CHANGE:  
RED = ACID  
YELLOW = NEUTRALIZED



## 7 FIREPROOF VEGETABLE INDUSTRIAL ABSORBER

It absorbs any type of liquid, oils, water, solvents, inks, weak acids and bases, chemicals, fats, as well as mixtures and other dirt spilled incidentally on the ground. Absorption capacity from 400% to 650% of its weight. Perfect for general and precision mechanical workshops, automotive and aerospace industry, garages, service stations, transit areas, roads and highways, oil and chemical industry, etc. To be disposed through incineration or transfer to the landfill, following the regulations in force, depending on the absorbed product type. Composed of lignin and cellulose. It does not contain clay or silicone.

**UCS100** - vegetable industrial absorber, 6.5 kg bag (volume 45 lt)



ALWAYS USE THE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT DURING REMEDIATION ACTIVITY.







## Maintenance universal sorbents

### GREY COLOR

- ♦ Highly absorbent products made with polypropylene fiber and suitable for spills and losses of industrial liquids based on oil and water.
- ♦ Hydrophilic and oleophilic. They absorb water, water-based substances, oils, hydrocarbons, refrigerants, solvents.
- ♦ Not suitable for aggressive, caustic and toxic chemicals.
- ♦ They ensure greater safety when handling flammable liquids as they are antistatic.
- ♦ **Mats and rolls** are perfect for routine maintenance due to their high capacity to absorb liquids.
- ♦ **Cylindrical barriers** are recommended in cases of accidental spills to limit the loss.
- ♦ **The Pillows** are perfect for absorbing in areas with high concentration of spills and under pipes, machinery, connections etc.

### 1 Mats

#### FEATURES

CODE	ASU01P	ASU02P
DESCRIPTION	perforated cloths double thickness	perforated cloths single thickness
SIZE	41 x 46 cm	41 x 46 cm
PACK	100 units	200 units
ABSORPTION CAPACITY	120 lt / pack	163 lt / pack



### 2 Rolls

#### FEATURES

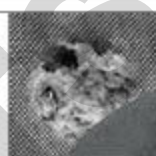
CODE	ASU03R	ASU04R
DESCRIPTION	perforated rolls double thickness	perforated rolls double thickness
SIZE	81 cm x 46 m	41 cm x 46 m
PACK	1 unit	2 units
ABSORPTION CAPACITY	240 lt / pack	240 lt / pack



### 3 Cylindrical barriers

#### FEATURES

CODE	ASU05S	ASU06S
DESCRIPTION	absorber barriers	absorber barriers
SIZE	Ø 7,6 x 122 cm	Ø 7,6 x 305 cm
PACK	15 units	6 units
ABSORPTION CAPACITY	85 lt / pack	84 lt / pack



### 4 Pillows

4

NEW

#### FEATURES

CODE	ASU07C
DESCRIPTION	absorbent pillows
SIZE	25 x 25 cm
PACK	20 units
ABSORPTION CAPACITY	57 lt / pack



### 5 Cover-drum cloths

5

NEW

#### FEATURES

CODE	ASU08F
DESCRIPTION	cover-drum cloths
SIZE	Ø cm 56
PACK	25 units
ABSORPTION CAPACITY	50 lt / pack







## Sorbents for oils **WHITE COLOR**

- Highly absorbent products made with polypropylene fiber and suitable for spills and losses of oil, hydrocarbons and lubricants, both on the ground and in water.
- Hydrophobic. Not suitable for water, caustic, toxic and aggressive chemical substances.
- They Help to keep the workplace always clean and safe.
- They ensure greater safety when handling flammable liquids as they are antistatic.
- Mats and rolls are perfect for routine maintenance operations due to their high capacity to absorb liquids. The pillows are perfect for absorbing in areas with high concentration of spills and under pipes, machinery, connections etc. The cylindrical barriers and barriers are recommended, in case of accidental spills to limit the leak, for absorbing losses of oils and hydrocarbons in water. Available in two diameters; length: 3 m. They can be connected together to cover large areas. They continue to float even when they are saturated. The internal lining prevents dripping during cleaning and removal.

### 1 Mats

#### FEATURES

CODE	ASO01P	ASO02P
DESCRIPTION	perforated cloths double thickness	perforated cloths single thickness
SIZE	41 x 46 cm	41 x 46 cm
PACK	100 units	200 units
ABSORPTION CAPACITY	120 lt / pack	163 lt / pack

1

NEW

### 2 Rolls

#### FEATURES

CODE	ASO03R	ASO04R
DESCRIPTION	perforated rolls double thickness	perforated rolls double thickness
SIZE	81 cm x 46 m	41 cm x 46 m
PACK	1 unit	2 units
ABSORPTION CAPACITY	240 lt / pack	240 lt / pack

2

NEW

### 3 Cylindrical barriers

#### FEATURES

CODE	ASO05S	ASO06S
DESCRIPTION	absorber barriers	absorber barriers
SIZE	Ø 7,6 x 122 cm	Ø 7,6 x 305 cm
PACK	15 units	6 units
ABSORPTION CAPACITY	85 lt / pack	84 lt / pack

3

NEW

### 4 Cylindrical barriers

#### FEATURES

CODE	ASO09B	ASO10B
DESCRIPTION	absorber barriers	absorber barriers
SIZE	Ø 20 cm x 3 m	Ø 13 cm x 3 m
PACK	4 units	4 units
ABSORPTION CAPACITY	269 lt / pack	135 lt / pack

4

NEW

### 5 Pillows

#### FEATURES

CODE	ASO07C
DESCRIPTION	absorbent pillows
SIZE	25 x 25 cm
PACK	20 units
ABSORPTION CAPACITY	57 lt / pack

5

NEW

### 6 Cover-drum cloths

#### FEATURES

CODE	ASO08F
DESCRIPTION	cover-drum cloths
SIZE	Ø cm 56
PACK	25 units
ABSORPTION CAPACITY	50 lt / pack

6

NEW





## Sorbents for chemical substances

### YELLOW COLOR

- ♦ Highly absorbent products made of polypropylene fiber and suitable for absorbing chemicals, acids, bases, caustic agents.
- ♦ Perfect for chemical industry, laboratories, hospitals, chemical storage areas. Yellow color to alert about possible risk.
- ♦ They ensure greater safety when handling flammable liquids as they are antistatic.
- ♦ Treated on the surface to avoid vapor leakage.
- ♦ Mats and rolls are suitable for routine maintenance operations due to their high capacity to absorb liquids.
- ♦ Cylindrical barriers are recommended in case of accidental spills to limit the loss.
- ♦ The pillows are perfect for absorbing in areas with high concentration of spills and under pipes, machinery, connections etc.

### 1 Mats

#### FEATURES

CODE	ASC01P	ASC02P
DESCRIPTION	perforated cloths double thickness	perforated cloths single thickness
SIZE	41 x 46 cm	41 x 46 cm
PACK	100 units	200 units
ABSORPTION CAPACITY	94 lt / pack	121 lt / pack



### 2 Rolls

#### FEATURES

CODE	ASC03R	ASC04R
DESCRIPTION	perforated rolls double thickness	perforated rolls double thickness
SIZE	81 cm x 46 m	41 cm x 46 m
PACK	1 unit	2 units
ABSORPTION CAPACITY	187 lt / pack	187 lt / pack



### 3 Cylindrical barriers

#### FEATURES

CODE	ASC05S	ASC06S
DESCRIPTION	absorber barriers	absorber barriers
SIZE	Ø 7,6 x 122 cm	Ø 7,6 x 305 cm
PACK	15 units	6 units
ABSORPTION CAPACITY	85 lt / pack	84 lt / pack



### 4 Pillows

#### FEATURES

CODE	ASC07C
DESCRIPTION	absorbent pillows
SIZE	25 x 25 cm
PACK	20 units
ABSORPTION CAPACITY	57 lt / pack



 IN CASE OF CHEMICAL SPILLS, ALWAYS CHECK SORBENTS COMPATIBILITY BEFORE STARTING THE REMEDIATION ACTIVITY.





## 1 Bag absorbent kits

ADR kit: nylon bag with handles, containing safety products for transport of dangerous materials.

### FEATURES

CODE	SAC01 - Universal line	SAC02 - Oil line	SAC03 - Chemical line
ADR BAG CONTENT	<ul style="list-style-type: none"> <li>15 mats (41 x 46 cm)</li> <li>2 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>	<ul style="list-style-type: none"> <li>15 mats (41 x 46 cm)</li> <li>2 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>	<ul style="list-style-type: none"> <li>15 mats (41 x 46 cm)</li> <li>2 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>
ABSORPTION CAPACITY	29 lt minimum	24 lt minimum	25 lt minimum



## 2 Drum absorbent kits for oils

Cylindrical water-tight polyethylene drum (ONU certified) with galvanized metal band locking system.

### FEATURES

CODE	ASB030	ASB060	ASB120 ATTENTION	ASB220 ATTENTION
ADR DRUM CONTENT	<ul style="list-style-type: none"> <li>20 mats (41 x 46 cm)</li> <li>4 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>	<ul style="list-style-type: none"> <li>30 mats (41 x 46 cm)</li> <li>4 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>4 pillows (25 x 25 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>	<ul style="list-style-type: none"> <li>50 mats (41 x 46 cm)</li> <li>4 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>4 pillows (25 x 25 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>	<ul style="list-style-type: none"> <li>100 mats (41 x 46 cm)</li> <li>4 cylindrical barriers (Ø 7,6 x 122 cm)</li> <li>1 pair of nitrile gloves</li> <li>1 pair of protective glasses</li> <li>3 waste disposal bags</li> </ul>
ABSORPTION CAPACITY	39 lt minimum	59 lt minimum	75 lt minimum	105 lt minimum







## Trolley bin absorbents kit - Universal line

### GREY COLOR



#### FEATURES

CODE	DESCRIPTION	KIT CONTENT	ABS. CAPACITY
<b>ASUK120</b>	Universal line trolley bin (120 lt)	<ul style="list-style-type: none"> <li>50 mats (41 x 46 cm)</li> <li>12 cylindrical barriers (Ø 7,6x122 cm)</li> <li>6 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>3 waste disposal bags</li> </ul>	145 lt minimum
<b>ASUK240</b>	Universal line trolley bin (240 lt)	<ul style="list-style-type: none"> <li>150 mats (41 x 46 cm)</li> <li>12 cylindrical barriers (Ø 7,6x122 cm)</li> <li>8 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>6 waste disposal bags</li> </ul>	271 lt minimum
<b>ASUK360</b>	Universal line trolley bin (360 lt)	<ul style="list-style-type: none"> <li>200 mats (41 x 46 cm)</li> <li>18 cylindrical barriers (Ø 7,6x122 cm)</li> <li>12 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>9 waste disposal bags</li> </ul>	376 lt minimum

ABSORPTION CAPACITY 120 - 240 - 360 LT.

## Trolley bin absorbents kit - Oil line

### WHITE COLOR



#### FEATURES

CODE	DESCRIPTION	KIT CONTENT	ABS. CAPACITY
<b>ASOK120</b>	Oil line trolley bin (120 lt)	<ul style="list-style-type: none"> <li>50 mats (41 x 46 cm)</li> <li>12 cylindrical barriers (Ø 7,6x122 cm)</li> <li>6 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>3 waste disposal bags</li> </ul>	145 lt minimum
<b>ASOK240</b>	Oil line trolley bin (240 lt)	<ul style="list-style-type: none"> <li>150 mats (41 x 46 cm)</li> <li>12 cylindrical barriers (Ø 7,6x122 cm)</li> <li>8 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>6 waste disposal bags</li> </ul>	271 lt minimum
<b>ASOK360</b>	Oil line trolley bin (360 lt)	<ul style="list-style-type: none"> <li>200 mats (41 x 46 cm)</li> <li>18 cylindrical barriers (Ø 7,6x122 cm)</li> <li>12 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>9 waste disposal bags</li> </ul>	376 lt minimum

ABSORPTION CAPACITY 120 - 240 - 360 LT.

## Trolley bin absorbents kit - Chemical line

### YELLOW COLOR



#### FEATURES

CODE	DESCRIPTION	KIT CONTENT	ABS. CAPACITY
<b>ASCK120</b>	Chemical line trolley bin (120 lt)	<ul style="list-style-type: none"> <li>50 mats (41 x 46 cm)</li> <li>12 cylindrical barriers (Ø 7,6x122 cm)</li> <li>6 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>3 waste disposal bags</li> </ul>	132 lt minimum
<b>ASCK240</b>	Chemical line trolley bin (240 lt)	<ul style="list-style-type: none"> <li>150 mats (41 x 46 cm)</li> <li>12 cylindrical barriers (Ø 7,6x122 cm)</li> <li>8 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>6 waste disposal bags</li> </ul>	232 lt minimum
<b>ASCK360</b>	Chemical line trolley bin (360 lt)	<ul style="list-style-type: none"> <li>200 mats (41 x 46 cm)</li> <li>18 cylindrical barriers (Ø 7,6x122 cm)</li> <li>12 pillows (25 x 25 cm)</li> <li>2 pairs of nitrile gloves</li> <li>2 pairs of protective glasses</li> <li>9 waste disposal bags</li> </ul>	324 lt minimum

ABSORPTION CAPACITY 120 - 240 - 360 LT.





## CONTAINER WITH OSCILLATING HANDLE AND FLEXIBLE POURING HOSE (TYPE 2)

Safety container with opening and plug with flexible metal hose for pouring liquids into small openings. Realised in galvanised steel painted with powder paint, fitted with oscillating handle. Automatic closing lid, earth set-up on flexible hose. Double flame break mesh, automatic vent mechanism for overpressures. Balanced ergonomic structure that allows gravity supply.

**1 CJ0220** - capacity 7.5 lt, dimensions: Ø 241 x 337 h mm

**2 CJ0230** - capacity 19 lt, dimensions: Ø 298 x 445 h mm

## CONTAINER WITH OSCILLATING HANDLE AND INDIVIDUAL OPENING (TYPE 1)

Safety container with individual spout for filling and distribution, in galvanised steel, painted with powder paint. Automatic closing lid, handle with clip-action lever. Double flame break mesh, automatic vent mechanism for overpressures.

**CJ0111** - capacity 1 lt, dimensions: Ø 117 x 210 h mm

**CJ0200** - capacity 4 lt, dimensions: Ø 241 x 279 h mm

**CJ0520** - capacity 9.5 lt, dimensions: Ø 298 x 292 h mm

**CJ0502** - capacity 19 lt, dimensions: Ø 298 x 429 h mm



## 4 PALLET TRUCK WITH 2500 KG CAPACITY

Electro-welded steel pallet truck: hydraulic pump with safety valve to avoid overloads. Driving handhold with 3-positions lever: up / down / neutral. Fork dimensions: width 540 x length: 1150 mm, height lowered 85 mm, height lifted 200 mm. Polyurethane wheels Ø 200 mm, double polyurethane rollers Ø 80 x 70 mm.

**MGG611** - pallet truck: 2500 kg capacity

## 5 PALLET TRUCK WITH SCALE

Pallet truck with versatile and easy to use scale. Oven-powder-painted electro-welded steel frame. Driving handhold with 3-positions lever: up / down / neutral. Polyurethane wheels and double rollers. Electronic weighing with 4 load cells and +/- 0.2% accuracy. Programmable, automatic switch-off, battery level indication. Functions: net / gross, weight totalization, +/- control, percentage weighing, piece counting. Weight indicator with a 25mm 6-digit backlit LCD display. Power supply: 4 AA batteries (also rechargeable), with removable drawer. Autonomy up to about 40 hours of continuous operation or three months for typical non-continuous use, thanks to the auto-off function. Division: from 1 kg up to 2000 kg. Fork width: 550 mm; fork length: 1170 mm; fork height lowered: 85 mm; fork height raised: 200 mm.

**MGG610** - pallet truck with scale





## WIND SLEEVES AND CEMENT BASES

Miscellaneous

- MAVE150K** - IN COMPLIANCE WITH:
- IT. LEGISLATIVE DECREE N. 81/08
  - IT. LEGISLATIVE DECREE N. 242/96
  - IT. LEGISLATIVE DECREE N. 358/96
  - IT. MINISTERIAL DECREE 12-11-99
  - IT. LEGISLATIVE DECREE N. 66/00
  - LAW 422/00
  - LAW 1/2002

### WHITE / RED POLYESTER WIND SLEEVES

The windsleeve is a device that allows you to give very precise information about strength and direction of the wind. Designed to be mounted on poles (not supplied except for MAVE150K code kit), it is made of technical fabric and characterized by the alternation of standard colors: 3 red bands and 2 white bands. **Available in 3 different fabrics: Light, Light HT, Medium.** The choice of fabric must be made depending on the wind measurements: for example, for indications of very light winds, light fabrics must be used. The weights indicated in the table refer to the finished product (fabric cone, cords, glass fiber rim, excluding pole).

**1 MAVE150K** - kit made up from: wind sleeve 1.50 m, direction indicator, 0.5 m support pole (to be applied to existing pole with strips - not included), assembly instructions

**2 MAVE...** - wind sleeve only (see the size table)

**3 Kit made up from:**

- **MAVE360** - LONG TIME wind sleeve 4,00 m
- **MAVE360C** - 90 cm stainless steel anchor ring
- **MAVE360P** - stainless steel pole and revolving support

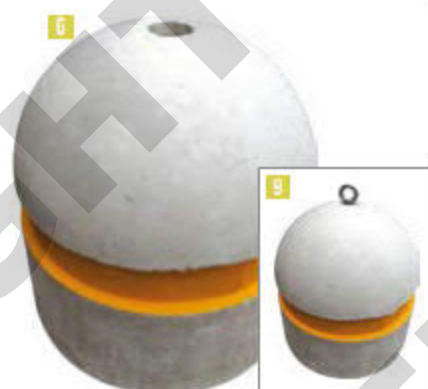
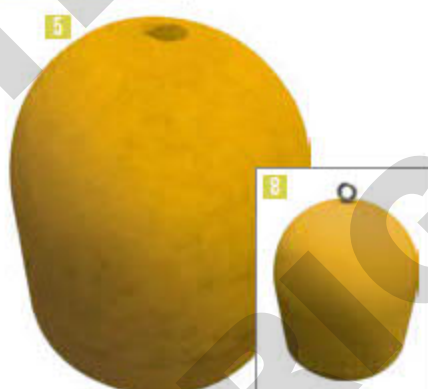


**NEW**

### DIMENSIONS OF WIND SLEEVES (CM)

2	Code	Fabric	A	B	C	D	Weight (grams)	
	<b>MAVE150</b>	Light	130	20	10	150	82	
	<b>MAVE160 *</b>	Light	160	45	20	200	183	
	<b>MAVE200</b>	Light	200	28	14	220	140	
	<b>MAVE150HT</b>	Light HT	130	20	10	150	110	<b>NEW</b>
	<b>MAVE160HT *</b>	Light HT	160	45	20	200	294	<b>NEW</b>
	<b>MAVE200HT</b>	Light HT	200	28	14	220	209	<b>NEW</b>
	<b>MAVE150BM</b>	Medium	130	20	10	150	160	<b>NEW</b>
	<b>MAVE160BM *</b>	Medium	160	45	20	200	425	<b>NEW</b>
	<b>MAVE200BM</b>	Medium	200	28	14	220	307	<b>NEW</b>
	<b>MAVE360</b>	Longtime	376	90	42	400	2.250	<b>NEW</b>

\* ENI model



### CEMENT BASES

Bases without eye-bolt hook.

**4 BC248** - cement base 170 kg, Ø 55 cm, h 51 cm, with hole for Ø 48 mm pole

**5 BC248Y** - cement base as above; yellow color

**6 BC348** - cement base as above; with yellow band and hole for Ø 48 mm pole

Cement bases with eye-bolt hook for lifting.

**7 BC200** - cement base 170 kg, Ø 55 cm, h 51 cm, without hole

**8 BC200Y** - cement base as above; yellow color

**9 BC300** - cement base as above; with yellow band and without hole





## PLASTIC CHAINS (MOPLER RO)

Continuous injection without welding. Due to their characteristics they are used for road signs and accident-prevention, navigation, railways, sports fields, ports and airports, camp sites, fairs and exhibitions, delimitation of dangerous areas, etc. They are weather-resistant and also resist temperatures -10°C +75°C, salinity and chemical agents. They are insulating, light, floating, anti-magnetic, stainless, unalterable color (coloring incorporated). **Two-color alternating about every 45 centimetres. For all types of chain, minimum order is unique piece measuring 25 metres/multiples.**

### 5 METRE KIT:

**CP1035** - 5 m chain CP103 + 2 rings 1035

**CP1045** - 5 m chain CP104 + 2 rings 1045

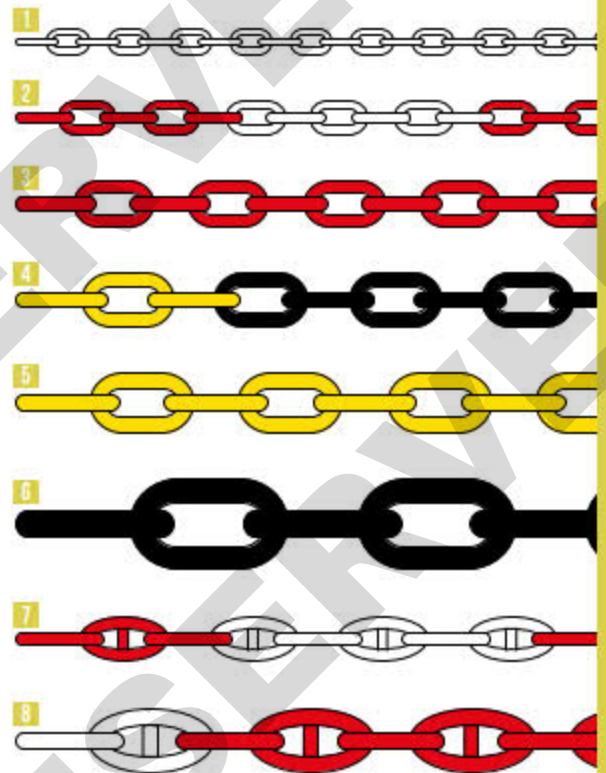
**CP1055** - 5 m chain CP105 + 2 rings 1055

**CP3015** - 5 m chain CP301 + 2 rings 1035

**CP3025** - 5 m chain CP302 + 2 rings 1055

## PLASTIC CHAIN FEATURES

N	PRODUCT CODE	MESH DIMENSIONS (mm)	WEIGHT (g x m)	COLOR
1	CP1011	2 x 8 x 14	13	White
2	CP102	3 x 13 x 21	28	White/red
3	CP103	5 x 20 x 30	52	White/red
4	CP1032	5 x 20 x 30	52	Yellow/black
	CP1033	5 x 20 x 30	52	Red
5	CP104	6 x 24 x 39	70	White/red
6	CP1042	6 x 24 x 39	70	Yellow/black
	CP1046	6 x 24 x 39	70	Green
7	CP105	8 x 29 x 49	130	White/red
	CP1052	8 x 29 x 49	130	Yellow/black
	CP1053	8 x 29 x 49	130	Red
8	CP1054	8 x 29 x 49	130	Yellow
	CP1055	8 x 29 x 49	130	Black
	CP1056	8 x 29 x 49	130	Green
9	CP106	10 x 42 x 74	210	White/red
10	CP1063	10 x 42 x 74	210	Red
	CP1065	10 x 42 x 74	210	Black
11	CP301	5 x 22 x 40	90	White/red
12	CP302	8 x 31 x 55	100	White/red



## 9 PLASTIC POSTS

PVC two-color post Ø 40 mm, mass colored, supplied with propeller nut with rings for chain attachment.

**CN93** - white/red pole only (no base) h 90 cm

**CN932** - white/red pole only (no base) h 90 cm

**CN113** - white/red pole only (no base) h 110 cm

**CN1132** - yellow/black pole only (no base) h 110 cm

**CN133** - white/red pole only (no base) h 130 cm

**CN1332** - yellow/black pole only (no base) h 130 cm

## 10 ELEMENTS FOR CN POSTS

### Panel holder frame

**CNC3020** - panel holder frame size: 300 x 200 mm

**CNC3045** - panel holder frame size: 300 x 450 mm

**CNC3512** - panel holder frame size: 350 x 125 mm

**CNC5033** - panel holder frame size: 500 x 333 mm

### Support bases

**11 CN94** - square rubber base 1.5 kg; dimensions 27 x 27 cm

**12 CN95** - round plastic base, can be filled with water or sand, dimensions h 8 cm Ø 30 cm

**13 CN92** - moplén-cement triangular base, 3 kg



## 13 POSTS KIT

Kit consisting of:

- 2 moplén / cement triangular bases, 3 kg (code **CN92**)
- 2 posts (without base) white / red color, h 90 cm (code **CN113**)
- 2 spiral rings 8 x 29 x 49 mm (code **AGK1055**)

To complete the kit, the moplén plastic chain must be ordered separately (see table above).

**KITRF103** - kit: bases + posts + rings (chain excluded)





# SYSTEMS FOR DELIMITATION OF AREAS

**BASIC POSTS**



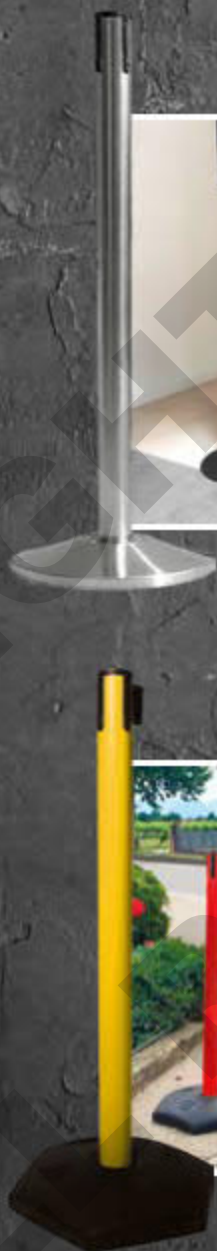
**PLUS POSTS**



**OUTDOOR  
POSTS**



**WALL-MOUNTED  
WEBBING BELT**







## Outdoor totem

Anodized aluminum structure, composed of two poles (to be buried) with ABS caps and silk-screened panels (digital printed), with **UV protection** (glossy or matt: to be specified when ordering).

The indoor version consists of self-supporting bases for poles (ask for a quote).



**NEW**  
**YOUR LOGO**

**Warehouse**  
**Offices**  
**Reception**



## 1 TOTEM WITH 4 PLATES

**DS1000750** - totem consisting of 2 poles (to be buried - h 1800 mm), 1 plate 1000 x 300 mm and 3 plates 1000 x 150 mm. **Graphics included**



## 2 TOTEM WITH 5 PLATES

**DS1000650** - totem consisting of 2 poles (to be buried - h 1800 mm), 1 plate 1000 x 200 mm and 4 plates 1000 x 150 mm. **Graphics included**



## 3 TOTEM WITH 1 PANEL

**DS10001000** - totem consisting of 2 poles (to be buried - h 1800 mm) and 1 panel 1000 x 1000 mm. **Graphics included**



**4**



## 4 DOUBLE-SIDED POSTER-HOLDER TOTEM WITH FRAME

Sophisticated and thin design, for indoor, with snap aluminum frame (sharp corners); it makes easy to change the posters (594 x 1662 mm size); visible area: 574 x 1662 mm. Metal base with rubber feet

**SMCT7200** - poster-holder totem, external dimensions (w x d x h): 700 x 400 x 1845 mm



**5**

## 5 FLOOR-STANDING THREE-SIDED EXHIBITOR

Floor-standing exhibitor with poles, supporting 3 round-corner snap frames (32 mm profile, made of anti-corrosion plate). Bases with holes for floor attachment. Anti-reflective and anti-UV PVC front protection.

**SMCT7010** - dimensions: 850 x 1045 x 1810 h (for 700 x 1000 mm sheet)





## BASIC WEBBING BELT POST

Posts in brushed steel or matt black painted; equipped with self-braking belt tension system. Excellent price performance. Perfect for improving queue management in offices and shops or in big events such as expos and exhibitions. Maximum stability guaranteed by the sturdy structure (10 kg). Height: 1 meter. Diameter of the base: 360 mm. **Belt length: 3 m.** Customizable belt, on request: on both sides with one or more colors logo.

- 1 **T5B511.** - brushed steel webbing post. Dimensions: Ø 360 mm (base) x 1000 mm (height). Add belt color letter to the code
- 2 **T5B512.** - matt black webbing post. Dimensions: Ø 360 mm (base) x 1000 mm (height). Add belt color letter to the code



## BELT COLORS FOR BASIC AND PLUS WEBBING BELT POSTS

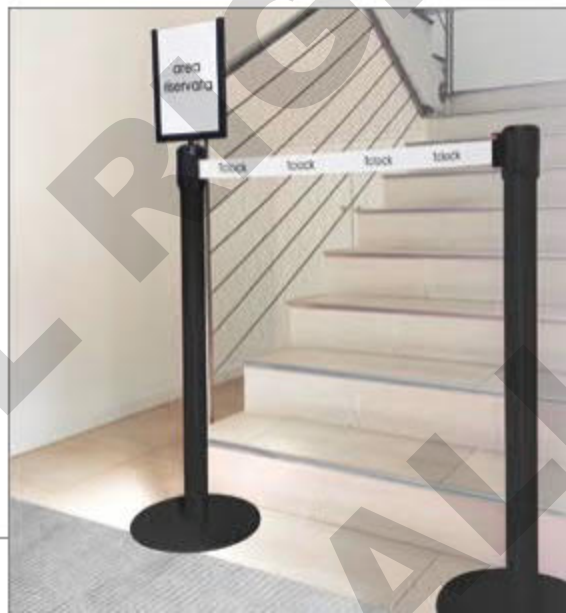


BASIC, PLUS AND OUTDOOR POSTS ARE SUPPLIED INCLUDING HEAD AND BELT IN THE CHOSEN COLOR IDENTIFIED BY A LETTER. TO ORDER THE POST WITH HEAD BUT WITHOUT THE BELT, ADD THE LETTER X INSTEAD OF THE COLOR IDENTIFYING LETTER.

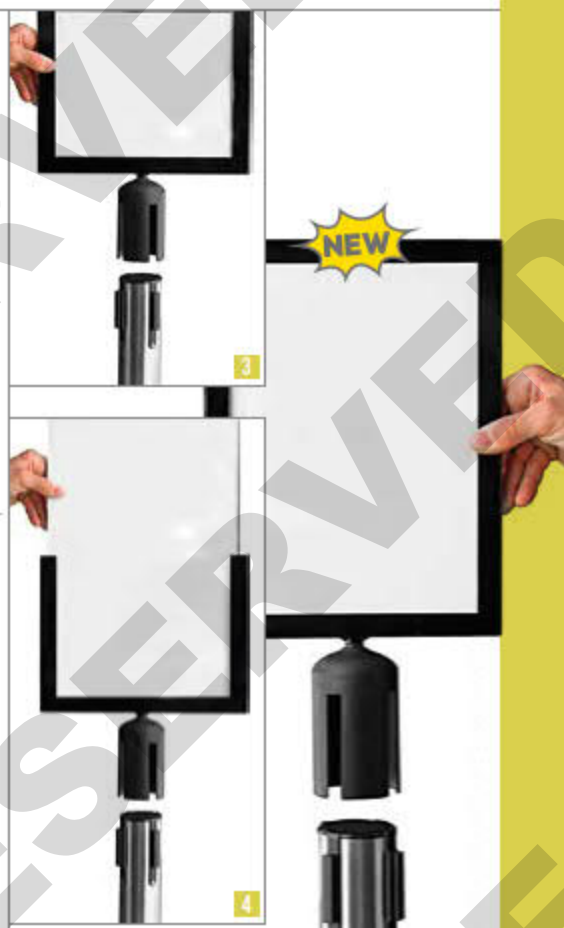
## BASIC WEBBING BELT POST

Sophisticated posts with flat base, available in 5 finishes and 8 belt colors, equipped with self-braking belt tension system. Perfect for improving queue management in offices and shops or in big events such as expos and exhibitions. Base and stake made of metal with finishing in colors: brushed steel, matt black, red, yellow, white. Belt colors: red, blue, black, white, green, yellow, orange, yellow/black, white/red. Height: 1010 mm Diameter of the base: 350 mm. Total weight: 10.2 kg. **Belt length: 3 m**, with safety clip.

- 3 **TSP201.** - brushed steel webbing belt (Add belt color letter to product code - see table)
- 4 **TSP202.** - matt black webbing belt (Add belt color letter to product code - see table)
- 5 **TSP203.** - colonna tendinastro colore rosso (abbinare lettera colore nastro - vedi tabella)
- 6 **TSP204.** - red webbing belt (Add belt color letter to product code - see table)
- 7 **TSP205.** - yellow webbing belt (Add belt color letter to product code - see table)







## OUTDOOR WEBBING BELT POST

PVC post with black recycled plastic base, equipped with self-braking belt tension system. Sturdy and resistant. Perfect for outdoor and use in industries. Height: 1000 mm. Diameter of the base: 350 mm. Total weight: 10.2 kg. **Belt length: 3.5 m.**

- 1 **TSO100BR** - red webbing belt post, with white/red belt
- TSO100YN** - yellow webbing belt post, with yellow/black belt
- 2 **Version with perforated base.** Height: 1000 mm, belt length: 3.5 m.
- TSO110N** - matt black webbing belt post with black belt

## WALL-MOUNTED HEAD UNIT

Wall-mounted webbing head unit with extensible belt: with self-braking mechanism and safety locking clip for access control. To be combined with ABS wall-mounted receiver clip or with webbing belt posts. Various colors and lengths.

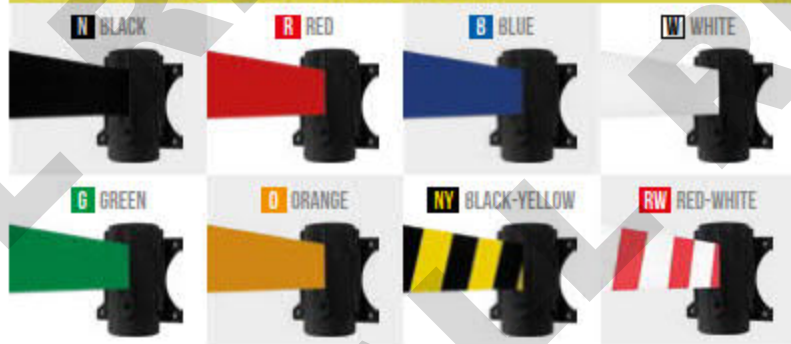
- 5 **TST300** - matt black painted wall-mounted head unit with **3 meters belt**. Belt color: blue, black, red, green, white, white/red, yellow/black
- TST400** - matt black painted wall-mounted head unit with **4 meters belt**. Belt color: blue, black, red
- TST500N** - matt black painted wall-mounted head unit with **5 meters belt**
- TST100N** - matt black painted wall-mounted head unit with **10 meters belt**
- 6 **TSTC** - ABS wall-mounted receiver clip

## FRAMED SIGN HOLDER

A4 framed sign holder for webbing belt posts. Composed of a black metal base and a highly transparent plexiglass sign pocket. For changeable paper or cardboard communications.

- 3 **TSA21V** - vertical A4 size sign holder
- TSA21O** - horizontal A4 size sign holder
- 4 **TSA29V** - vertical A3 size sign holder

## BELT COLORS FOR WALL-MOUNTED HEAD UNITS







# THE WISEST CHOICE FOR YOUR **SAFETY**

safe in® is a brand that links producers, distributors and end-users through the realization of high quality products, designed for workers' safety.

**POLYETHYLENE  
EXTENDING  
BARRIER**



**HIGH DENSITY  
POLYETHYLENE  
BARRIER**



**OUTDOOR  
STEEL  
BARRIER**







## Walking and driveway platforms

LowPro® platforms; central section made of fiberglass-reinforced composite material, with ribs on the bottom for greater resistance; anti-sliding (certified with Flexi-Edge system), anti-slip and anti-fall; they are versatile, impact-resistant and help reducing noise.

The walking and driveway platform (BARO362) is suitable for the transit of pedestrians and vehicles up to 2 tons on excavations up to 70 cm width; The driveway platform (BARO815) is suitable for the transit of vehicles up to 3.5 tons on excavations up to 90 cm width.

Because of its built-in ballast, they do not need to be fixed to the ground, reducing the risk of tripping over for pedestrians and can be easily installed in a few minutes (they can be easily lifted by a couple of people, with no need for lifting equipment). **LowPro® are lighter alternatives to steel platforms and more durable compared to wooden ones.** Anti-sliding technology: the base and the soft, flexible rubber edges create friction with the road surface, reducing undesired movements.



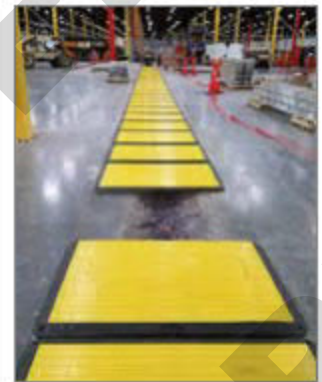
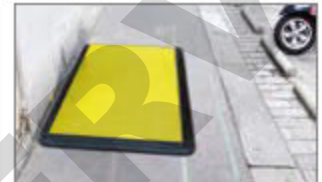
CUSTOMIZABLE WITH  
COLORS AND COMPANY LOGO  
(ASK FOR A PRICE QUOTE)



- 1 BARO362** - yellow walking and driveway platform: dimensions (L x W x H) 120 x 80 x 2,8 cm; weight 17 kg. Maximum capacity 2 tonnes. Bolt holes for greater stability.



- 2 BARO815** - yellow driveway platform: dimensions (L x W x H) 150 x 100 x 3,3 cm; weight 42 kg. Maximum capacity 3,5 tonnes. Bolt holes for greater stability. Equipped with gas vents and access holes for sensors.



## High impact column protection

### REFERENCE STANDARD (LEGISLATIVE DECREE 81 DATED 09-04-08 TITLE VI)

- 1.1)** To indicate risks of collision against obstacles, falling objects and falls regarding persons within the perimeter of the areas built of the company to which the workers have access during the job, alternate yellow and black or red and white are used.
- 1.2)** The dimensions of the signage will be proportioned to the dimensions of the obstacle or the dangerous point to be indicated.
- 1.3)** The yellow and black or red and white bars must have an inclination of about 45° and be more or less the same size.



Rubber columns with PVC profiles to protect shelving in warehouses and storerooms. Innovative design that allows a quick and simple installation and an easy cleaning when mounted. Coextruded profile with soft inner material to pad impacts with moving vehicles. Quick fixing by gripper.

- 3 PGD80** - S size impact column protection: width from 60 to 80 mm, height 600 mm
- 4 PGD100** - M size impact column protection: width from 80 to 100 mm, height 600 mm
- 5 PGD120** - L size impact column protection: width from 100 to 120 mm, height 600 mm
- 6 PGD2A** - pair of grippers recommended for the installation of the profiles: length 350 mm







## FENCING ROLLS

Orange mesh fencing for sites; perfect visibility, color-resistance to atmospheric agents and dust; suitable for fencing building and road works sites; certified by the Highway Code.

- 1 **RC180** - 50 m roll, height 1.80 m (1.6 kN/m) with "WORK IN PROGRESS" band
- 2 **RC265** - 50 m roll, height 1.20 m (3.3 kN/m)

## TRAFFIC CONES

- 3 **CO81** - red/white polyethylene cone, weight 640 g. Dimensions (w x h): 28 x 50 cm
- 4 **CO81R** - red polyethylene cone with white reflective painted stripes; heavy rubber base, weight 1850 g. Dimensions (w x h): 27 x 50 cm
- 5 **CO82** - yellow/black polyethylene cone, weight 640 g. Dimensions (w x h): 28 x 50 cm
- 6 **CO83** - red/white polyethylene cone, weight 375 g. Dimensions (w x h): 23 x 30 cm
- 7 **CO85** - as above, yellow/black
- 8 **CO84** - red fluorescent polyethylene cone, weight 375 g. Dimensions (w x h): 23 x 30 cm
- 9 **CO86** - as above in yellow only



## RETRACTABLE TRAFFIC CONE

Retractable cones in compliance with 396 figure of H.W. code and Art. 36 of Reg. Act. C.d.S. about visibility during night hours. Made of rubber, with 2 or 3 white reflective stripes (class 2).

- 10 **COR30** - retractable cone 23 x 30 h cm, weight 0,9 kg
- 11 **COR75** - retractable cone 40 x 75 h cm, weight 5,5 kg

## CERTIFIED RETRACTABLE TRAFFIC CONE

Retractable cones in compliance with 396 figure of H.W. code and Art. 36 of Reg. Act. C.d.S. about visibility during night hours. Made of rubber, with 2 or 3 white reflective stripes (class 2). **In accordance with construction sites technical regulation, dated 10/07/02.**

- 12 **COR35** - octagonal base, 12 x 35.4 h cm side, 3.2 kg weight. **T.R. 4231 11/11/2003**
- 13 **COR54** - square base, 27.5 x 54 h cm side, 2.5 kg weight. **T.R. 4867/9 19/12/2003**



## STEAK FOR FENCING MESH

Steak made of ribbed steel (Ø 16 mm, h 120 cm), perfect for supporting mesh fencing in construction sites.

- 14 **PAC12** - steak with hook
- 15 **CML16** - mushroom-shaped plastic cap; protection for steel steaks and foundation bars (Ø 8-16 mm steaks). Minimum order: 50 pieces / multiples



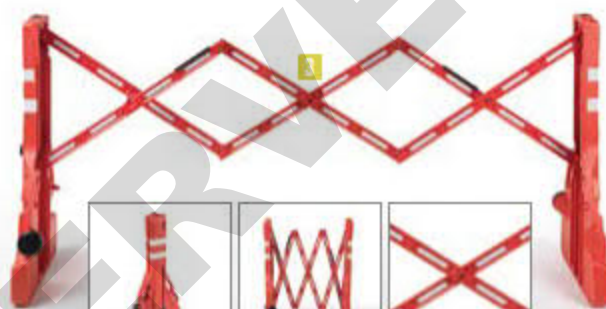


### STEEL BARRIER FOR WORKING AREA DELIMITATION (D. LOS. 811)

Perfect for professional and frequent use. Weight and size are very restrained even if the frame is sturdy. Because of this, the barrier is indispensable for delimiting work areas in an easy, quick, effective, visible and safe way. The galvanized steel structure, the "Flame Retardant" class B1 fabric and the pictograms, printed on one side, are easily visible and resistant. Composed of 3 modules (95x100 cm), it is available with 2 different symbols: yellow/black "general danger" and white/red "forbidden access". Available on request with 2, 4 or 6 modules.

**1 BAR59530P** - composed of 3 modules; total length: 3 m; "general danger"; weight 15 kg

**2 BAR59530N** - composed of 3 modules; total length: 3 m; "forbidden access"; weight 15 kg



EASY FOLDING  
AND TRASPORT

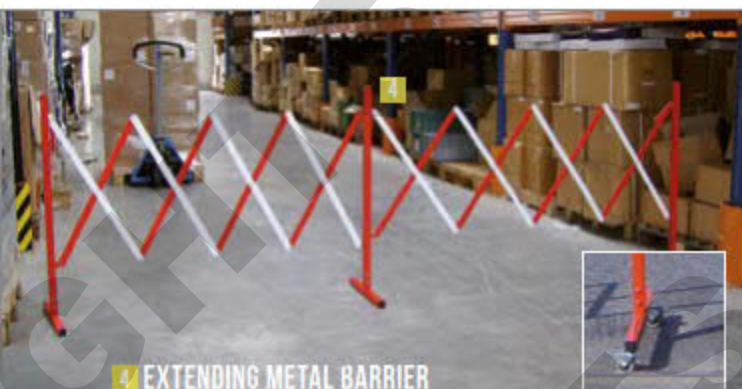
EXTENDING  
UP TO  
2.3 METERS

REFLECTIVE  
BANDS

### 3 EXTENDING POLYETHYLENE BARRIER

It allows to quickly and efficiently barricade dangerous areas. Extendable up to 2 meters, with reflective bands. Very stable thanks to the wide support bases that can be weighted using water. Easily to transport thanks to a closing system and the handle. Closed dimensions: 48 x 13 x 110 h cm.

**BARD230** - extending barrier up to 2,3 m; height 1,10 m; weight 6,5 kg



### 4 EXTENDING METAL BARRIER

Extending up to 4 m, in powder-painted steel, weight 16 kg. Additional rod in the centre of the barrier for greater stability. Kit of 6 additional wheels, can be supplied for greater user practicality.

**BARV400** - extending white/red barrier, open dimension (h x l x d): 94 x 400 x 45 cm.

**BARV401** - optional Ø 50 mm 6 wheel kit

### ROAD BARRIERS TO ASSEMBLE

In compliance with fig. 392 of the Highway Code.

Made of 0,8mm boxed metal sheet; white and red (class 1, totally reflective stripes) powder-painted.

**BFL150** - light barrier only, 150 x 20 h cm

**BFL150P** - heavy barrier only, 150 x 20 h cm

**BGL150** - pair of light folding legs for BFL150 in painted galvanized metal sheet. Weight 1,4 kg, height 100 cm

**BGP150R** - pair of heavy not-folding legs for BFL150P in U-shaped iron, powder-painted with red color (RAL3020), height 100 cm, weight 3 kg



### 8 BARRIER IN HIGH DENSITY POLYETHYLENE (HDPE)

Stable also on irregular land, connection systems for creating barriers around temporary sites or to delimit the passage of pedestrians. Resistant and stable, supplied complete with feet and white and red refracting band 1200 x 145 mm.

**BAR0635A** - orange high density polyethylene barrier. Dimensions: 2000 x 1000 mm h total, weight 10 kg



### 9 RAMPA DI ACCESSO

Perfect for anyone using lifting trucks and whoever must go beyond small barriers such as steps or footpaths from 74 to 150 mm h. Perfect also for wheelchairs. Non-slip surface and raised sides, standard color yellow. In high density polyethylene, can be recycled.

**BAR0806** - yellow ramp, dimensions (L x W x H) 1130 x 750 x 75 mm; weight 6 kg; Recommended maximum capacity: 350 kg.





## ROAD SIGNS

Miscellaneous

### TEMPORARY SIGNS

CODE	DIMENSIONS (CM)
FCR 160...	Triangle side 60
FCR 190...	Triangle side 90
FCR 260...	Disc Ø 60
FCR 263...	Revolving disc Ø 60
FCH 260...	Disc Ø 60
FCR 56...J	60 x 40
FCR 56...Y	40 x 60
FCR 56...Z	60 x 90
FCR 56...Q	90 x 60
FCR 661...	60 x 60
FCR 790...	90 x 135
FCR 901...	25 x 10
FCR 911...	53 x 18
FLR 912 172	80 x 27
FCR 912...	80 x 27
FCR 914...	80 x 80
FCR 922...	50 x 25

### MATERIALS

- Boxed sheet, reflective **CE** printing film (RA1 class).
- Boxed sheet, reflective **CE** printing film (RA2/R2 class).



FLR 912 172  
railway crossing



FCR 912  
blank



FCR 922  
blank



FCR 160 383  
FCR 190 383  
work site



FCR 160 384  
FCR 190 384  
road narrow



FCR 160 385  
FCR 190 385  
road narrow on the left



FCR 160 386  
FCR 190 386  
road narrow on the right



FCR 160 387  
FCR 190 387  
double direction



FCR 160 388  
FCR 190 388  
danger



FCR 160 389  
FCR 190 389  
hump or rough road



FCR 160 390  
FCR 190 390  
loose gravel



FCR 160 404  
FCR 190 404  
traffic light



FCR 914 061  
road signs  
in reconstruction



FCR 661 045  
priority over oncoming  
in alternate merges



FCR 914 062  
car accident



FCR 260 041  
give way in alternate  
merges



FCR 260 046  
driving ban



FCR 260 047  
no entry



FCH 260 048  
overtaking prohibition



FCR 260 050xx  
speed limit (xx=km/h)



FCR 260 070  
limitations end



FCR 260 074  
no parking



FCR 260 075  
no stopping



FCR 263 080  
mandatory direction  
(revolving)



FCR 5648 YZ  
pedestrians mandatory  
direction on the right



FCR 5649 YZ  
pedestrians mandatory  
direction on the left



FCR 790 409 A  
prior notification about man-  
datory direction for trucks



FCR 790 409 B  
mandatory direction for  
trucks



FCR 790 410 A  
recommended direction  
for trucks

Specify arrow direction: R = right - L = left - A = ahead

## RALLENTARE

FCR 807 710  
Size: 100 x 25 cm



FCR SIGNS CAN BE USED ONLY IN TEMPORARY CONSTRUCTION SITES. THEY CAN NOT BE USED AS PERMANENT VERTICAL ROAD SIGNS BECAUSE NOT IN COMPLIANCE WITH EN 12899-1:2007.

### CE certified warning signs

#### DIMENSIONS OF TRIANGLES (CM)

CODE	VIRTUAL SIDE	RED BAND WIDTH	RADIUS
...19...	90	8	4,5

### MATERIALS

- FLR..... Boxed metal sheet, **CE** reflective film (RA1 class)
- FLH..... Boxed metal sheet, **CE** reflective film (R2 class)
- FAR..... Boxed aluminum, **CE** reflective film (RA1 class)
- FAH..... Boxed aluminum, **CE** reflective film (R2 class)



FAH 190 035  
danger (to be always used  
with an integrative panel)



F.R 190 008  
railway crossing with  
barriers



F.R 190 009  
railway crossing without  
barriers



F.H 190 036  
give way

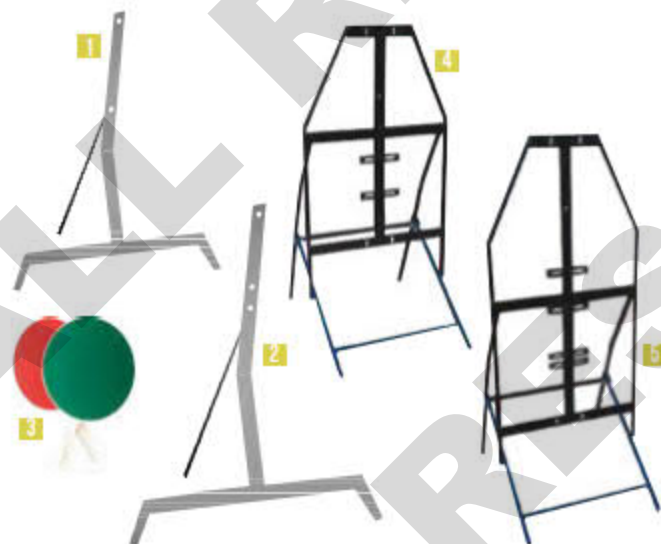
\* Mandatory sign with **CE** reflective film (R2 class).





## Sign stands

In compliance with Ministerial Regulations. Official journal n. 226 dated 26-09-2002, Ministry of Infrastructures and Transport. Decree 10-07-2002.



SIGN STAND KIT AVAILABLE ON PAGE 91.

## STANDS WITH LARGER PROFILE

- 1 **CVV120** - stand dimensions 55 x 120 h cm in painted iron for signs: disc Ø 40/60 cm, triangle side 60/90 cm, panel 60 x 60 cm, triangle side 60 cm + panel 53 x 18 cm. Fixing of each sign with 2 plates CLC125 (not supplied). Weight 2.95 kg.
- 2 **CVV130** - stand dimensions 75 x 150 h cm in painted iron for signs: disc Ø 90 cm, triangle side 90/120 cm, panel 60 x 90/90 x 90 cm, triangle side 90 cm + panel 80 x 25 cm. Fixing of each sign with 2 plates CLC125 (not supplied). Weight 4.3 kg.

## 3 SIGN POST

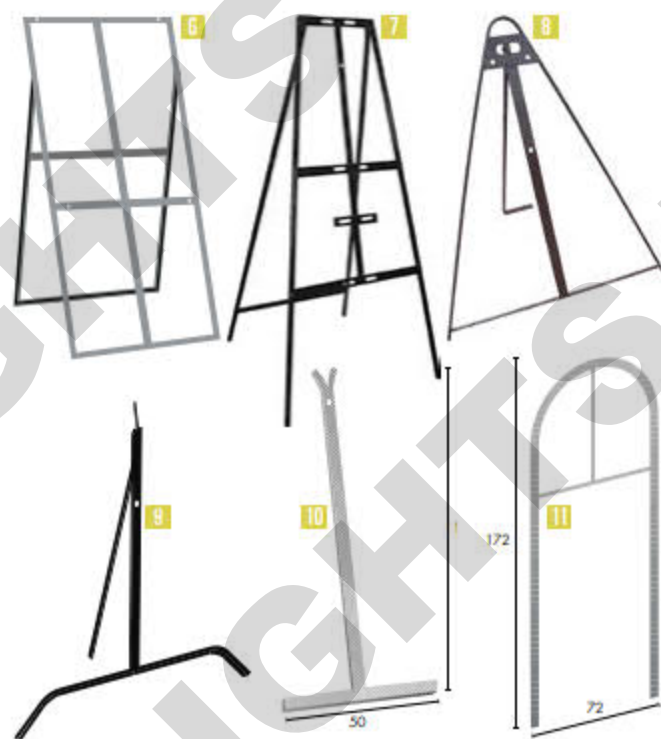
For flag persons, in compliance with figure 403 of the Highway Code. In high density polyethylene, red/green reflective, light and resistant.

**PSS30** - disc Ø 30 cm with handle length of 20 cm

## SIGN STANDS

- 4 **CVL115** - vertical sign stand in 15/10 powder-painted square section iron with accessories and galvanised self-locking nuts and bolts. For triangle side 90 cm, disc Ø 60 cm, square side 60 cm and relative appendices. Supplied complete with welded plates. Bolts excluded (CBK825 or CBK25)
- 5 **CVL135** - Vertical sign stand for triangle side 120 cm, disc Ø 90 cm, square side 90 cm and relative appendices. Supplied complete with welded plates. Bolts excluded (CBK825 or CBK25)

## Sign stands, supports and brackets not in compliance with M.D. 26-09-2002



## FOLDING SIGN STANDS

- 6 **CVF180** - in painted iron. Dimensions 75 x 180 h cm, weight 15 kg. For triangle side 90 cm + square side 80 cm. Fixing elements for individual sign: 2 plates CLC125 + 4 bolts CBK25 or CBK825 (not supplied). For plates measuring 90 x 135 cm and 100 x 150 cm. Fixing elements: 4 bolts CBK25 or CBK825 (not supplied)
- 7 **CVF120** - in painted iron. 15 x 15 mm square section tube (1,5 mm thickness); 2 strips (30 mm thickness). Dimensions: 58 x 120 h cm, weight 3 kg. For Ø 60 cm disc or 90 cm side triangle. Fixing elements for individual sign: 1 plate CLC125 + 2 bolts CBK25 or CBK825 (not supplied)

## SIGN STANDS FOR PRIVATE AREAS

- 8 **CVS069** - suitable for Ø 40/60 cm discs, 60/90 cm side triangles, 60 x 60 cm signboards. Dimensions: 69 x 50 cm (L x W). Material: Ø mm 8 iron, 25 x 3 mm flat iron, 15 x 5 mm flat iron (stick). Coating: powder painting. Weight 1,8 kg.
- 9 **CV080** - black painted sign stand, with rod h 80 cm, 2,3 kg. For signs: disc Ø 40/60 cm - triangle side 60/90 cm, 60 x 60 cm panel. Fixing of each sign with n° 2 plates CLC125 and 4 bolts CBK25 not supplied

## 10 ARCH SUPPORTS

In painted tube Ø 33 mm with cross-members in welded U-shaped profile.

**SA06** - arch support for disc Ø 60 cm

## 11 BRACKET TO BE WALLED-UP

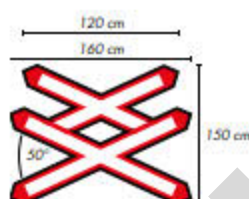
In painted iron for flag application of square section signs. Fixing of each sign with 2 plates CLC125 (not supplied).

**MS01** - bracket for signs: disc Ø 40/60 cm - triangle side 60/90 cm

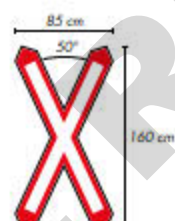
## S. Andrea crosses



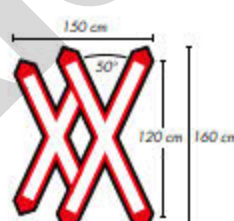
**FAR 501 010 A** \*  
S. Andrea cross



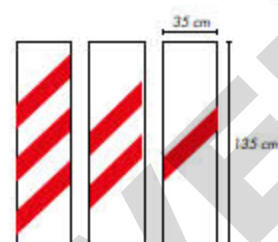
**FAR 502 010 B** \*  
Double S. Andrea cross



**FAR 501 010 C** \*  
Vertical S. Andrea cross



**FAR 502 010 D** \*  
Double S. Andrea vertical cross



**F.R 503 011 A B C**  
series of 3 distance panels



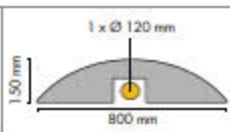
PROHIBITION AND KILOMETRIC PROGRESSION SIGNS FOR LEVEL CROSSINGS AVAILABLE ON PAGE 55.





## HOSE RAMPS

Miscellaneous



### HOSE RAMPS FOR HEAVY DUTY DUTY

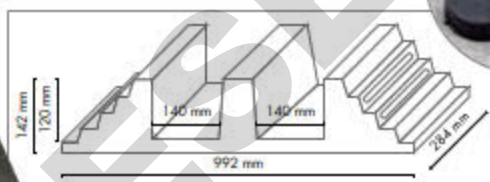
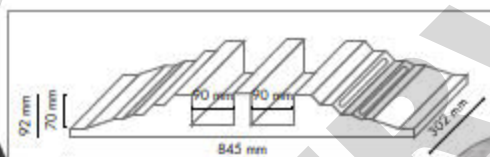
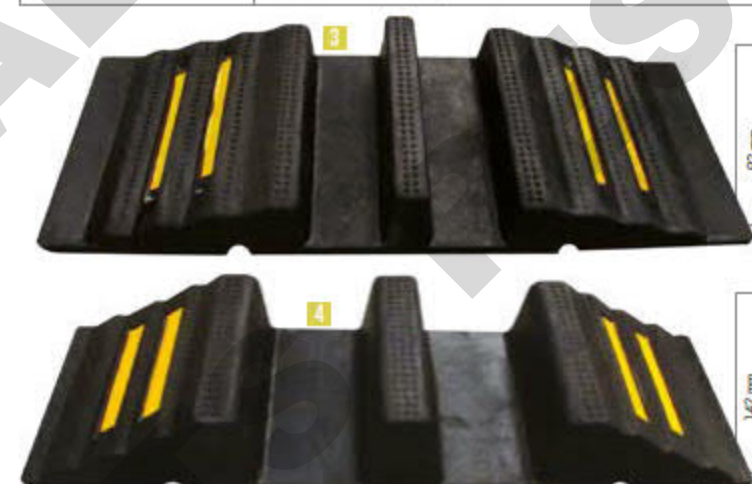


Made of 100% black rubber with reflective white inserts and 4 "cat eyes". Supplied in two models: different sizes with 1 or 2 grooves for cables. They can be installed on the ground by simple laying or with optional fastening systems supplied separately:

- asphalt fastening system (PGRV25): 4 pieces for each module
  - cement fastening system (PGRV26): 4 pieces for each module
- Tested for 36 q capacity.

**1 PGRV22** - hose ramp 600 x 500 x 110 h mm, with 2 grooves for cables. weight 22 kg

**2 PGRV23** - hose ramp 800 x 500 x 150 h mm, with 1 groove for cables. weight 42 kg



### HOSE RAMPS



The high-resistance rubber, hardness 65 Shore A. With deep grooving allow the passage of cables and pipes present in temporary sites and during maintenance jobs. They are assembled with each other via an easy coupling system (A) supplied. Tested for 70 q capacity.

**3 PGR080** - dimensions: 845 x 302 x 92 mm h, 12.8 kg, Ø max. cable passage 85 mm

**4 PGR110** - dimensions: 992 x 284 x 142 mm h, 21.3 kg, Ø max. cable passage 135 mm



### CABLE/HOSE PROTECTOR IN ROLLS



Black rubber hose-protection roll for one or more cables. In rolls of 10 m (1 hole Ø 20 mm) or 4 m (1 hole Ø 40 mm). Easy to handle, install and store. Can be cut to desired length. For long term application, the use of glue is recommended.

**5 PGRV15** - cable protector ramp measuring 10 m x 10 cm x h 30 mm (1 hole Ø 20 mm). Weight 24 kg

**PGRV16** - cable protector ramp measuring 4 m x 17 cm x h 50 mm (1 hole Ø 40 mm). Weight 21.5 kg

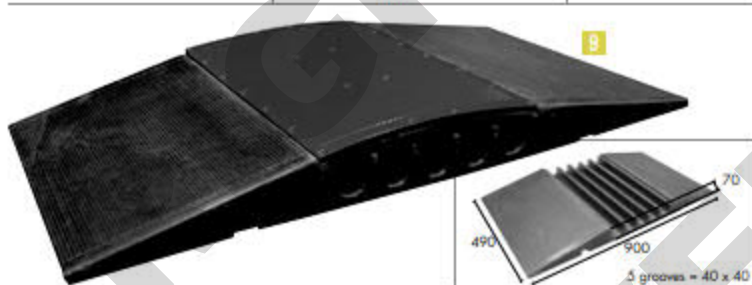
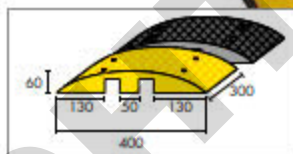
**6 PGRV17** - 250 ml glue (2 m capacity)

### RAMPE PASSACAVI

Made in high resistant rubber in different executions. Useful in the presence of loose cables during restructuring in the industrial sectors. They are fixed to the ground using anchor plugs (not supplied - 4 Ø 8 mm holes). Dimensions: 400 x 300 x 60 h mm. Weight 4.8 kg, cable passage 40 mm x cable Ø max 30 mm. Tested for 35 q capacity.

**7 PGR30N** - black natural rubber element

**8 PGR30E** - rubber element covered by non-slip yellow elasto plastic



### HOSE RAMPS



In high resistance elastic rubber, (60/70 Shore). 5 x 40 x 40 mm grooves for the passage of cables and screwed upper protection. Good resistance to abrasion, poor resistance to high speeds, can be used in environments with temperatures from -20°C to +50°C. For the passage of cables on site or during restructuring jobs, where the cables must be protected. Just simply laid on the ground. Weight: 17 kg. Capacity: q 35. Max. passage speed 4 km/h.

**PGR090N** - 900 x 490 x 70 mm h, black





### UNIVERSAL SPREADERS

Suitable for corrosive spreading materials such as salt, fertilizer, granulated powder sorbent. It allows a considerable saving of time and to dose the exact quantity of material. Models for medium surfaces.

- 1 CE642** - spreading radius: from 1 to 4 meters; plastic yellow hopper, steel bracket, inflatable rubber wheels for the winter, sturdy gear, spreading adjuster, adjustable handle. Hopper capacity 19 kg. Weight 9 kg
- 2 CE643** - as the model above, with a hopper capacity of 32 kg. Weight 9.5 kg

### VTR CONTAINERS FOR SPREADING MATERIALS

Suitable for different types of material to be spread. Resistant to weathering, UV rays, corrosion proof; estimated lifespan: more than 20 years. Vandal resistant lid, which can be opened without the use of tools with a stainless steel snap lock. Safe filling of the container up to the very top thanks to the support sticks. No deformation or swelling of the lid. Suitable for use in public places such as stations, bus stops, schools, etc. Simple cover removal, stackable for easy storage.

- 3 CE8622** - all yellow container without extraction window, 200 lt capacity. Dimensions: 89 x 59 x 67 cm. Weight 12 kg
- CE8623** - all yellow container without extraction window, 400 lt capacity. Dimensions: 120 x 80 x 72 cm. Weight 22 kg
- 4 CE7322** - cgray container, orange cover without extraction window, 550 lt capacity. Dimensions: 134 x 99 x 78 cm. Weight 26 kg
- CE7323** - container as above but with extraction window, weight 28 kg

### 6 SNOW MELTING SALT

Product particularly recommended to prevent the formation of ice and snow layers, or to melt them on roads, entrances, parking lots. With anti-caking agent.

**CEA25** - snow melting salt, 25 kg bag

### 7 FAST SNOW MELTING POWDER

Exothermic granular compound for fast melting of ice and snow up to temperatures of -50 ° C. In contact with the humid environment there is an immediate heat spreading which triggers the melting process of snow and ice and inhibits its formation. The high concentration allows a dosage of 5 to 10 times lower compared to the common products of powder (salt). Its low aggressiveness allows it to be used safely both on normal / draining asphalt and on concrete. Perfect for squares, entrances, driveways and parking lots. Used preventively prevents the formation of ice even in the presence of low temperatures. It works up to 8 times faster than salt. Available in 10 kg bucket and 25 kg bag.

**CEG10** - fast snow melting powder, 10 kg bucket

**CEG25** - fast snow melting powder, 25 kg bag



### 5 CORROSION-PROOF POLYPROPYLENE SHOVEL

Extremely light and durable PP shovel. UV stabilized material. Perfect for working with aggressive substances such as salt.

**CE7967** - universal shovel, 35 x 26 x 8 cm, total length 105 cm, weight 1.4 kg



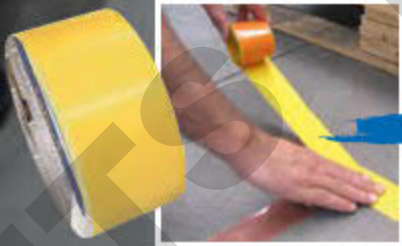


The logo for 'safe in' is located at the top left. It features the word 'safe' in a bold, orange, sans-serif font, followed by 'in' in a blue, sans-serif font. A small registered trademark symbol (®) is positioned above the 'n'. The text is set against a blue oval background that has a slight 3D effect.

**safe in**®

# WAREHOUSE ITEMS

A range of products designed to organize and better manage your warehouse.



**SAFETY MARKING TAPES**



**ADHESIVE HORIZONTAL SIGNAGE**



**LINE MARKING SYSTEMS**



**IMPACT  
PROTECTORS**









## LINE MARKING SYSTEMS

Miscellaneous

safe



### 1 LINE MARKING PAINT



Perfect for storage areas, warehouses, parking lots, production areas, cycle paths, sports fields, etc. and to delimit surfaces and optimize circulation in indoor or outdoor environments. It allows to draw lines from 5 to 10 cm in width. Resistant to wear and weathering. Excellent adherence to all surfaces. Quick drying: 15-20 minutes. Net lines. Operating temperature from + 50 ° C to - 50 ° C. The cylinder contains 500 ml of paint and allows to trace approximately 50 linear meters of lines. Supplied with two different nozzles. 12 cans per package. Minimum order: 12 cans / multiples.

Colors: **W** white **N** black **R** red **Y** yellow **B** blue **G** green

**NS10115** - 500 ml bottle of paint

### 2 LINE MARKING TROLLEY



line marking trolley, specifically designed for **safe** paint cans. Multi-use, it is possible to use it with 2 or 4 wheels. Handy, precise, stable, it adapts to multiple surfaces and applications. It allows to draw straight lines and curves.

**NS1000KS** - line marking trolley

### GENERAL CONDITIONS OF USE

The following recommendations must be respected for a good application of the **safe** paint, regardless of the type of soil. Clean carefully to eliminate dust, dirt, grease ... The hygrometric rate must be between 10 and 50%. The application temperature must not be less than 5 ° C. For a good quality of tracing it is recommended to make the first pass quickly, the next steps will be slower until reaching the desired coverage. Recommendations according to the type of ground:

- New concrete: wait 3 to 4 weeks for the concrete to dry and eliminate the acidity before applying the paint.
- New asphalt: it is recommended to wait at least 15 days before application.
- Synthetic floors (plastic, PVC) and painted floors (epoxy, polyurethane paint), it is recommended to carry out a preventive test to check the adhesion of the paint to the floor.

Before use, shake the can upside down for a long time.

### 800 x 800 mm stencils

Material: high density carton.

**NEW**



**NC800**



**NC801**



**NC802**



**NC803**



**NC804**



**NC806**



**NC807**



**NC815**



**NC816**

**NEW**



**NC817**

### 150 x 250 mm stencils

Material: high density carton.

**PARCHEGGIO**

**NC1152**

**RISERVATO**

**NC1153**

### 800 x 400 mm stencils

Material: high density carton.



**NC402**



ON REQUEST, STENCILS CAN BE SUPPLIED IN METAL, IN NUMBERS KIT (0-9) AND IN LETTERS KIT (A-Z)

### 800 x 250 mm stencils

Material: high density carton.

**USCITA**

**NC251**

**STOP**

**NC252**

MORE SYMBOLS AND WRITING CAN BE SUPPLIED ON REQUEST (ASK FOR A QUOTE)





## 1 FLUORESCENT MARKING PAINT FOR CONSTRUCTION SITES



Suitable for line marking on soil, dirt road, pipes, buildings, electrical installations. Quick drying. Good durability and resistance to weathering. Revolving hood that prevents accidental vaporization. It does not drip during use thanks to the certified safety container. Manual application or through our accessories (marking gun and marking stick with 1 wheel). Wide range of colors for all marking needs. Minimum order 12 cans / multiples.

Colors: **W** white **A** fluo orange **R** fluo red **Y** fluo yellow **B** fluo blue **G** fluo green **P** fluo pink

**NS400S** - 500 ml bottle of paint for construction sites



**STORAGE AND MAINTENANCE:** THE CANS MUST BE STORED IN ENVIRONMENTS WITH 15-25 °C AND 50-60% RELATIVE HUMIDITY. DO NOT EXPOSE THEM TO TEMPERATURES ABOVE 50 °C. KEEP AWAY FROM ALL SOURCES OF HEAT.

## FEATURES

- Can be used on different surfaces: concrete, bitumen, grass, gravel, sand, minerals, wood. Quick drying (about 10 min.) paint.
- Very resistant safety container.
- Good autonomy and coverage: 1 can is enough to cover (permanently) a line of 55 m (width 2 cm) with the marking trolley.
- Good durability of the marking even on wet surfaces: up to 6 months (depending on the surface, application conditions and exposure to UV rays).
- Operating temperatures: from -20 °C to + 50 °C.
- Composition: acrylic - pigments: mineral and organic. Lead-free and cadmium-free.
- Solvents: complex mixture free of chlorinated solvents and aromatic compounds (toluene, xylene ...).
- Propellant gas: specific mixture of isobutane and propane.



## 2 safe MARKING STICK - WITH 1 WHEEL

Lightweight and ergonomic stick, thanks to the choice of the materials and its design (for comfort in using purpose). Flexible and essential, it adapts to all sizes of cans.

**NS401KS** - marking can holder stick



## 3 safe MARKING GUN

Light and professional, it allows marking even on irregular surfaces. A must for marking with stencils.

**NS405KS** - marking gun





## SAFETY MARKING TAPES



- ♦ Colored adhesive tapes for marking floors and alerting about danger.
- ♦ Perfect for delimiting areas and lanes within storage and production areas.
- ♦ Made of high quality plasticized PVC, 0.16 mm thick.
- ♦ Pressure sensitive adhesive, rubber based, very tough.
- ♦ Excellent mechanical resistance, resistance to abrasion and moisture, excellent adaptability.
- ♦ Resistant to cleaning, heavy traffic and foot traffic. Suitable for indoor and outdoor protected environments.
- ♦ In compliance with European 2000/53 CE standard (lead-free, chromium VI-free, mercury-free, cadmium-free).
- ♦ To be applied on clean and dry surfaces, minimum application temperature: 10 ° C.

Coloris **W** white **R** red **Y** yellow **B** blue **G** green

**1 NTS50** - adhesive roll, length 33 m, height 50 mm (specify color letter)

**NTS51NY** - yellow / black adhesive roll, length 33 m, height 50 mm

**NTS51WR** - white / red adhesive tape, length 33 m, height 50 mm

**2 NTS75Y** - yellow adhesive roll, length 33 m, height 75 mm







## TOP QUALITY FLOOR TAPES

Very resistant PVC floor tapes with embossed and non-slip top layer, perfect for warehouses and production areas. Long life, 1 mm thick. Homogeneous material, it does not fade. Very tough permanent adhesive. They come off in one piece if removal is necessary. Slightly beveled edges in order to minimize the friction of the wheels of forklifts, transpallets. Quick application. Indoor use, suitable for color coding and Lean or 5S methodologies. Apply on clean and dry surfaces.

Colors: **W** white **R** red **Y** yellow **B** blue **G** green **NY** yellow/black

**DM550** - 30 m, h 5 cm roll

**DM575** - 30 m, h 7,5 cm roll

**DM5100** - 30 m, h 10 cm roll



**Highly beveled edge**  
to facilitate the passage  
of forklift trucks

Thickness: 1 mm  
Extremely resistant PVC



The highly resistant adhesive  
covers the roll from edge to edge  
The removable film allows  
an easy application

## ADHESIVE MARKERS FOR AREA DELIMITATION AND AND FOOTPATH INDICATION

Very resistant overlaminated adhesive PVC markers. Thickness 0.8 mm, perfect for signaling, delimiting pallet areas and to indicate walkways and paths in warehouses and production areas. The upper protective layer ensures greater durability.

Colors: **R** red **Y** yellow **B** blue **G** green

**2 DMX3** - pack of 10 X-shaped adhesive delimiters for pallets, 300 x 300 mm

**3 DMT3** - pack of 10 T-shaped adhesive delimiters for pallets, 300 x 200 mm

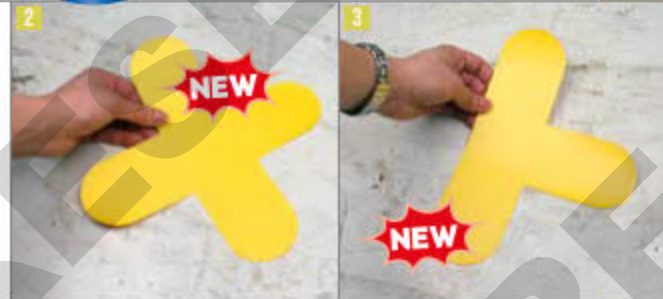
**4 DML2** - pack of 10 L-shaped adhesive delimiters for pallets, 200 x 200 mm

**5 DMO24** - pack of 20 adhesive footprints, 240 x 90 mm

**6 DMF10** - pack of 20 adhesive arrows, 100 x 65 mm

**7 DMD05** - pack of 20 adhesive discs, Ø 50 mm

**DMD09** - pack of 20 adhesive discs, Ø 90 mm



## 8 CROSSWALK

Crosswalk signage, in overlaminated PVC, very resistant to foot traffic. Thickness 0.8 mm. Perfect for alerting about pedestrian areas in a visible, safe and durable way. Quick and easy application on clean and dry surfaces.

**DMP300** - crosswalk made of white + black adhesive stripes, dimensions 300 mm x 1m (just place DMP300N and DMP300W side by side to reach the desired length)



## 9 FLOOR PROTECTIVE POCKETS

TPVC pockets with colored edges. Perfect for information, instructions, color coding; they ensure maximum protection for your messages. Versatile and easy to apply.

Colors: **W** white **N** black **Y** yellow **B** blue **G** green

**DMT4** - pack of 10 protective pockets in A4 format





## HORIZONTAL SIGNAGE AND SELF-STANDING WARNING SIGNS

Miscellaneous

### Adhesive symbols and writings for the floor

ISO 7010 pictograms, writings and floor markers for indoor use: made of 95 microns thick PVC and anti-slip protective film, with a thickness of not less than 125 microns. Resistant to abrasion and pedestrian traffic. Application temperature: from + 5 °C to + 50 °C. Service temperature: from -20 °C to + 60 °C.



**PP1312**  
Ø 435 mm



**PP1355**  
Ø 435 mm



**PP1381**  
Ø 435 mm



**PP15107**  
435 x 435 mm



**PP1109**  
560 x 560 mm



**PP037**  
435 x 435 mm



**PP037D**  
175 x 305 mm



**PP037S**  
175 x 305 mm

**ATTENZIONE NON ENTRARE - SOLO PERSONALE AUTORIZZATO**

**PP150** - 1200 x 150 mm

**ATTENZIONE**

**PP152** - 400 x 150 mm

**SI PREGA DI ATTENDERE DIETRO LA LINEA**

**PP151** - 1200 x 150 mm

**ATTENZIONE  
AL GRADINO**

**PP153** - 400 x 150 mm

MORE SYMBOLS AND/OR WRITINGS CAN BE SUPPLIED ON REQUEST.



### DOUBLE-SIDED BOOK-TYPE WRITABLE AND ERASABLE SIGN

- ECAP170NX** - 3 mm double-sided PVC foam blank sign, dimensions 333 x 500 mm (closed)
- SMAT36** - pack of 4 erasable marking pens (green, red, black and blue)

CANCELLABILE!



### WARNING SELF-STANDING SIGN

Yellow polypropylene warning sign: stable, suitable both for indoors and outdoors.

**CNP610** - Two-face sign: "Attention wet floor" (**A side**) + "Out of order" (**B side**). Dimensions: 270 x 610 mm h, weight 0.7 kg



**ECAP1807X**



**ECAP1759X**



**ECAP17147X**



**ECAP1762X**



**ECAP17127X**



**ECAP1779X**

### 4 DOUBLE-SIDED BOOK-TYPE SIGNS

In 3 mm expanded PVC. To be used on the floor to indicate dangerous situations. Easy to transport via relevant handle. On request can be supplied with other safety symbols. Weight 600 g.

**ECAP....X** - double-sided book-type sign, dimensions 333 x 500 mm (closed)

MORE SYMBOLS AND/OR WRITINGS CAN BE SUPPLIED ON REQUEST.





## 1 ALUMINIUM TELESCOPIC LADDER

Designed to have small dimensions that allow to solve transport and storage problems. Particularly easy to handle and resistant; can be used as open ladder, unevenly (A) (presence of uneven distance between two parts) or as a lean-to ladder. Perfect for maintenance teams with transport vehicles. **In compliance with EN 131 Technical Standard.**

**HSC127** - telescopic ladder with steps: 4 x 2 internal and 4 x 2 external; closed h 127 cm; open h 203 cm; extension h 425 cm; width 55 cm; weight 11.5 kg

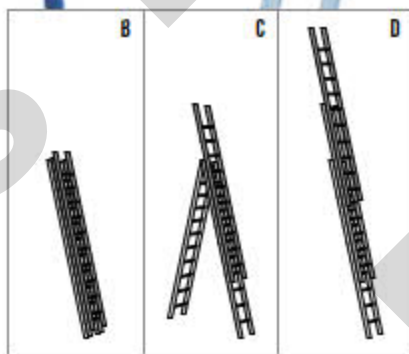
**HSC157** - telescopic ladder with steps: 5 x 2 internal and 5 x 2 external; closed h 157 cm; open h 260 cm; extension h 546 cm; width 61 cm; weight 14.6 kg

## 2 ALUMINIUM TRIPLE EXTENSION LADDER

Versatile, can be used closed (A), open (B) and extended (C). Anti-slip steps designed and assembled according to EN 131 (100 mm for height between 3.5 and 4.5 m - 84 mm for 3 m - 67 mm between 2 and 2.5 m). With lateral roll-over protection device, anti accidental extension hook and anti-opening / anti-closing device. For universal applications. **In compliance with the EN 131 Technical Standard.**

**HSS250** - triple modular ladder, with 8 steps each; closed h 257 cm; opened h 248 cm; extended h 560 cm; width 46 cm; weight 19 kg

**HSS300** - triple modular ladder, with 10 steps each; closed h 317 cm; opened h 308 cm; extended h 740 cm; width 46 cm; weight 25 kg 46; peso kg 25



## 3 GLASS FIBRE LADDER

**Electric isolation 20,000 Volt/cm²**; can be opened to use the 270 x 250 mm top platform; the 80 mm flat steps are fixed to the bars with triangular re-edges. Equipped with polypropylene storage box, non-slip caps at the base (70 x 20 mm) and anti-opening straps. Perfect for electrical maintenance work. Max load 150 kg. **In compliance with the EN 131 Technical Standard.**

**HSD150** - openable ladder, with 3 steps (including top platform); top platform height: 68 cm; height closed: 136 cm; weight 5,6 kg

**HSD225** - openable ladder, with 6 steps (including top platform); top platform height: 137 cm; height closed: 211 cm; weight 9,04 kg

## 4 GLASS FIBRE LADDER

**Electric isolation 20,000 Volt/cm²**, modular, versatile, can be used closed (A), opened (B) and extended (C). Anti-slip aluminium steps designed and mounted in compliance with EN 131. Fitted with lateral roll-over protection device, anti accidental extension hook and anti-opening / anti-closing device. Perfect for electrical maintenance jobs, max load 150 kg. **In compliance with the EN 131 Technical Standard.**

**HSD250** - triple modular ladder, with 7 steps each; closed h 240 cm; open h 236 cm; extended h 480 cm; width 49 cm; weight 28 kg

**HSD300** - triple modular ladder, with 9 steps each; closed h 298 cm; open h 291 cm; extended h 658 cm; width 49 cm; weight 33.6 kg

THE LADDERS IN THE IMAGES REPRESENT THE MODEL AND MAY HAVE DIFFERENT CHARACTERISTICS THAN THOSE STATED IN THE TEXT (E.G. NUMBER OF STEPS).





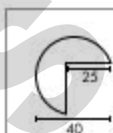


## Safety bumpers

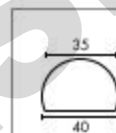
- Bumpers made of expanded Eva, a material not classified as flammable, **light and resistant**.
- For indoor and outdoor, perfect wherever protection against impacts is required (warehouses, production and industrial areas in general, but also schools, hospitals, gyms).
- Useful as safe corners in all types of passage, transit areas, both pedestrian and moving vehicles, where the spaces are particularly narrow, cramped, stairs and understairs etc.
- Extremely **flexible**, they also apply onto non-linear surfaces.
- They are resistant to various types of oils, gasoline, solvents and to all types of products normally used for cleaning.
- **They also withstand bad weather, UV rays, saltiness and temperatures between -15 °C and + 55 °C without structural changes.**
- Supplied **with or without biadhesive tape** depending on the model. In the absence of biadhesive tape, silicone and/or polyurethane glues may be used.
- All data have a 3.5% tolerance



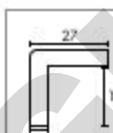
SOME BUMPERS ARE ALSO AVAILABLE WITH MAGNETIC SUPPORT!  
THE ADHESION OF THE BUMPER TO ANY METAL BASE IS INSTANTANEOUS, GUARANTEED AND SAFE.



**1 PGE425S** - safety bumper: 780 mm x Ø 40 mm, weight 135 g with biadhesive tape  
**PGE425SM** - as above, magnetic version



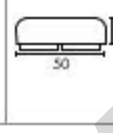
**2 PGE430S** - safety bumper: 780 mm (length) x 35 mm (width), weight 135 g, with biadhesive tape  
**PGE430SM** - as above, magnetic version



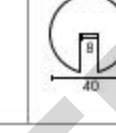
**3 PGE320S** - safety bumper: 780 mm (length) x 27 mm (width), weight 135 g with biadhesive tape  
**PGE320SM** - as above, magnetic version



**4 PGE322S** - yellow/black safety bumper: 780 mm (length) x 45 mm (width), weight 135 g with biadhesive tape  
**PGE322SM** - as above, magnetic version  
**5 PGE320SW** - white safety bumper: 780 mm (length) x 45 mm (width), weight 135 g with biadhesive tape  
**PGE320SWM** - as above, magnetic version



**6 PGE520S** - safety bumper: 780 mm (length) x 50 x 20 h, weight 200 g, with biadhesive tape  
**PGE520SM** - as above, magnetic version

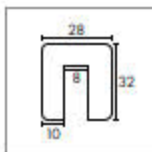


**7 PGE420S** - safety bumper: 780 mm (length) x Ø 40 mm, weight 200 g, without biadhesive tape





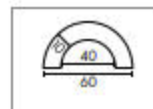
NEW



**1 PGE2305** - safety bumper: 780 mm (length) x 28 mm (width), weight 135 g, without biadhesive tape



NEW



**2 PGE7355** - safety bumper: 780 mm (length) x 40 mm (width), weight 200 g, with biadhesive tape



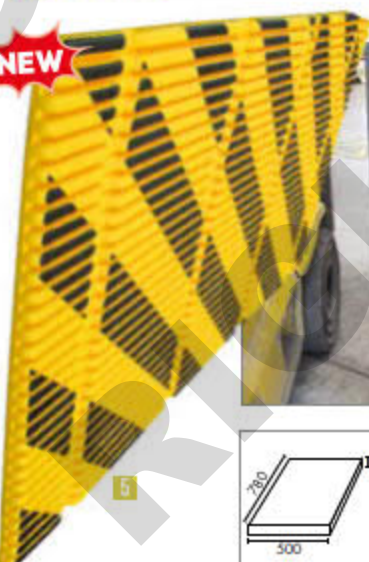
**3 PGE4355** - as above, dimensions: 780 mm (length) x 30 mm (width), weight 135 g, with biadhesive tape



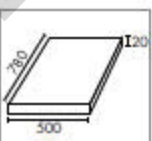
NEW



**4 PGE8015** - cylindrical striped yellow/black bumper, without biadhesive tape. It protects round columns, poles and handrails; also used as protection for columns in parking lots and garages. Ø minimum 20 mm, max Ø 200 mm. Height 780 mm, thickness 20 mm, weight 1.2 kg



NEW



**5 PGE9025** - flat striped yellow/black bumper, 780 x 500 x 20 mm, thickness 20 mm, weight 1.9 kg, without biadhesive tape



NEW



YELLOW/BLACK FLAT PLATES. THICKNESS FROM 20 TO 35 MM. MAXIMUM SIZE 100 X 200 CM. AVAILABLE ON REQUEST. ASK FOR A QUOTE.

BUMPERS IN GLOSSY POLYURETHANE: PIECES FROM 1 M. AVAILABLE ON REQUEST. ASK FOR A PRICE QUOTE.

Bumpers in expanded Eva length 780 mm



Glossy polyurethane foam bumpers, length 1 m

## Corner protectors

Made of black polyurethane, supplied with biadhesive tape, to be placed on corners. Can be used in warehouses, perfect for shelving.

**6 PGE402** - 2-edges corner protector

**7 PGE403** - 3-edges corner protector







# INDUSTRIAL MARKERS

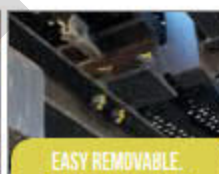
Miscellaneous



**DURABLE MARKING ON ALL BOLTS**



**MAKE SURE YOUR BOLTS DO NOT MOVE OR UNSCREW**



**EASY REMOVABLE. PERFECT FOR QUALITY CHECK.**

## 1 TUBE OF SAFETY PAINT FOR SCREWS

Security Check Paint allows a visual, quick and practical check on assemblies, nuts and bolts accidentally unscrewed. Once dried, the paint solidifies, its high visibility color becomes a very obvious marking and the sealing can be easily broken when unscrewing. Useful for machines or assembled parts that must not be accidentally unscrewed. If applied on an already-tightened bolt, it allows to have a reference mark to find again the exact tightening point, after unscrewing it. Paint free of xylene, does not create problems on most surfaces, adheres perfectly to metals and does not damage the health of the user. Perfect product for quality check and maintenance operations.

Available in colors: **W** white **Y** yellow **R** red **B** blue **G** green

**MAK668.** - paint tube of Security Check Paint, minimum order: 6 pieces / multiples

## 2 STYLMARK® PAINT TUBE

**Very visible, matt paint.** It can mark all types of surfaces, including greasy and rough ones, thanks to the round steel tip. High resistance to water and UV rays. Withstands temperatures above 200 °C. Marking size: 3 mm. Application temperature: from -20 °C to +70 °C. Minimum order: 12 pieces / multiples. Colors: **W** white **N** black **Y** yellow **R** red

**MAK130.** - Stylmark® tube marker



## 3 VALVE ACTION®

**Permanent paint marker.** Permanent paint marker. It can mark all types of clean surfaces (metal, ceramic, glass, wood, etc.). The paint is matt and perfectly covering and visible. Resistant to water and UV. Low content of halogens and sulfur, free from xylene. Suitable to be used in automotive industry for quality check. Withstands temperatures above 70 °C. Application temperature: from -46 °C to +66 °C. Marking size: 2-4 mm. Minimum order: 12 pieces / multiples.

Colors: **W** white **Y** yellow **R** red **N** black

**MAK240.** - Valve Action® permanent paint marker



## 4 PRO LINE® HP

**Permanent paint marker with strong adhesion.** Suitable for greasy and oily surfaces. It can mark all types of clean surfaces (metal, ceramic, glass, wood, etc.). Resistant to water and UV. Low content of halogens and sulfur (except green color), free from xylene. Withstands temperatures above 70 °C. Application temperature: from -46 °C to +66 °C. Marking size: 2-4 mm. Minimum order: 12 pieces / multiples.

Colors: **W** white **Y** yellow **R** red **N** black

**MAK969.** - Pro Line® HP permanent paint marker



## PRO LINE® AND PRO MAX®

**Indelible paint marker.** It can mark all types of clean surfaces (metal, ceramic, glass, wood, etc.). Perfectly visible and matt, without harmful solvents. Resistant to water and UV. Withstands temperatures above 100 °C. Application temperature: from -18 °C to +66 °C.

Colors: **W** white **Y** yellow **R** red **N** black

**MAK968.** - thin tip Pro Line® marker, 1-2 mm marking size. Minimum order: 12 pieces / multiples

**MAK909.** - large tip Pro Max® marker, 5-18 mm marking size. Minimum order: 6 pieces / multiples



## 7 PAINT STIK B®

**Stik of indelible paint** suitable for marking any type of surface. Excellent marking on **wet, oily, icy, dirty, greasy, rusty surfaces**, wood, asphalt surfaces. Resistant to water and UV. Withstands temperatures above 66 °C. Application temperature: from -46 °C to +66 °C. Tip: Ø 17 mm. Minimum order: 12 pieces / multiples.

Colors: **W** white **Y** yellow

**MAK802.** - stik of indelible paint - Paint stik B®



## 8 QUIK STIK®

**Stick of soft paint contained in a small plastic tube with a wheel.** Stick of soft paint contained in a small plastic tube with a wheel. Soft marking, dries quickly, suitable for all types of surfaces. Withstands temperatures above 60 °C. Application temperature: from -18 °C to +200 °C. Tip: Ø 13 mm. Minimum order: 12 pieces / multiples.

Colors: **W** white **Y** yellow **R** red

**MAK610.** - paint stik in tube



## DURA INK® PERMANENT MARKERS

**Indelible, with extra solid tip** that avoids smudging. Quick-drying water-resistant ink, formulated for industrial use, suitable for cardboards, ceramics, fabric, wood, paper, rubber and steel. Minimum order: 12 pieces / multiples.

Colors: **R** red **N** black

**MAK960.** - marker with 2 mm thin tip

**MAK965.** - marker with 2,5 mm chisel tip

**MAK966.** - marker with 4 mm round tip







## Closets for changing rooms

Closet made of 6/10 thick steel sheet with folded edges; the doors, with 180 ° opening range, are mounted on special anti-burglary hinges, provided with slots and holes for better air circulation and arranged for name labels. Locking system with padlockable metal handle, with anti-burglary device. Feet supports in pressed and welded sheet metal with plastic toecaps (arranged for application of adjustable foot or finishing plinth). Painted in gray (RAL 7035) with epoxy polyester powder enamels. The closets are supplied assembled.



### TRADITIONAL CLOSET

Internally equipped with upper shelf for storage, clothes-hanging system with galvanized metal hooks, umbrella-holder with drip cup.

- 1 ARB1121** - 1-door closet, dimensions: 32 x 50 x 180 h cm
- 2 ARB1122** - 2-doors closet, dimensions: 61,5 x 50 x 180 h cm
- 3 ARB1123** - 3-doors closet, dimensions: 91 x 50 x 180 h cm

### CLOSETS WITH PARTITIONS FOR CLOTHES DIVISION

Internally equipped with upper shelf for storage, clothes-hanging system with galvanized metal hooks, partition, towel-holder / umbrella-holder with droplet cup.

- 4 ARB7171** - 1-door closet, dimensions: 42 x 50 x 180 h cm
- 5 ARB7172** - 2-doors closet, dimensions: 81 x 50 x 180 h cm
- 6 ARB7173** - 3-doors closet, dimensions: 120 x 50 x 180 h cm

### 7 SLOPED ROOFS FOR CLOSETS

To be applied on top of the cabinets with a kit of plastic plugs, included in the supply.

- ARB3550** - roof for ARB1121, 32 x 50 x 30 h cm
- ARB7050** - roof for ARB1122, 61,5 x 50 x 30 h cm
- ARB1550** - roof for ARB1123, 91 x 50 x 30 h cm
- ARB4050** - roof for ARB7171, 42 x 50 x 30 h cm
- ARB8050** - roof for ARB7172, 81 x 50 x 30 h cm
- ARB2050** - roof for ARB7173, 120 x 50 x 30 h cm





# THE WISEST CHOICE FOR YOUR **SAFETY**

safe in® is a brand that links producers, distributors and end-users through the realization of high quality products, designed for workers' safety.

**MODULAR  
SYSTEMS FOR  
DELIMITATION  
OF AREAS**



**OUTDOOR  
STEEL  
BARRIER**



**ABSORBENTS  
PRODUCTS  
FOR ACCIDENTAL  
SPILLS**



**PAINT  
MARKING  
SYSTEMS**



**WORKWEAR**



**ADHESIVE  
HORIZONTAL  
SIGNAGE**



**ANTISLIP  
PRODUCTS**

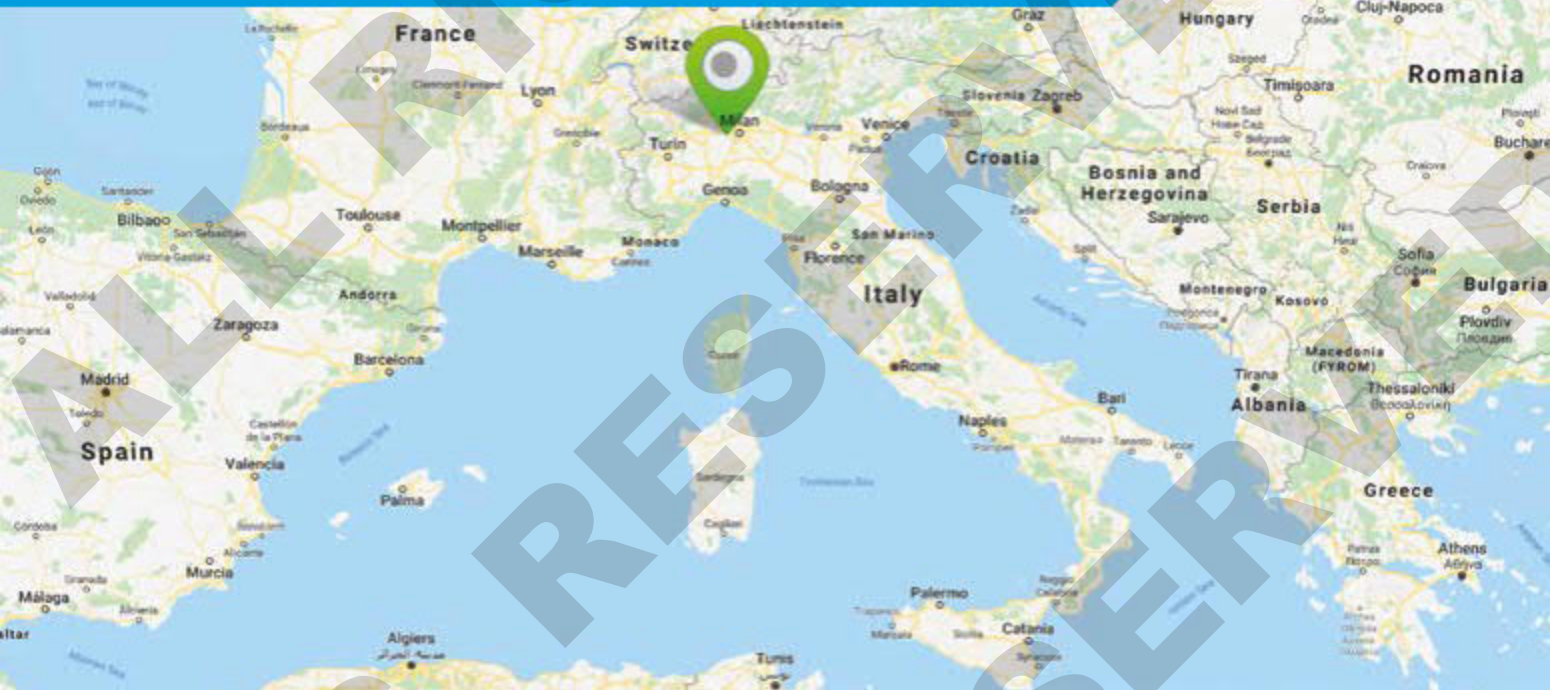


**SAFETY  
BUMPER**





# HOW TO REACH US



# HOW TO ORDER



+39 02 90.39.90.1



+39 02 90.39.90.80



[www.safein.it](http://www.safein.it)



[safein@cartelli.it](mailto:safein@cartelli.it)

## GENERAL SALE CONDITIONS

- ♦ **ORDERS** - unless otherwise specified, items are considered ready for delivery. Estimated delivery time is just indicative; should it be different, this will not be a reason for refund. The chromatic appearance of the products in the catalog may not represent with absolute precision their real color. Cartelli Segnalatori reserves the right to propose alternatives and replacements, that are as similar as possible in a performance point view, to those in this catalog. Any different agreement must be expressly accepted by Cartelli Segnalatori.
- ♦ **DOCUMENTATION** - Any request for additional documentation relative to the supply (despite the one attached with the products) must be communicated from the first contact for products offer (or, if that did not take place, during ordering). Requests for documentation must be submitted with all necessary information for their evasion. Any request received after order confirmation will be processed only if it is still possible and within the required time. In no case it can be considered a reason to complain or determine a delay in payments agreed in the previous phases of the contract. Cartelli Segnalatori reserves the right to charge any extra cost due to process the request.
- ♦ **PACKING** - standard included in the price.
- ♦ **PICK AND PAY** - by our warehouse of Cusago (MI) - Italy.
- ♦ **SHIPPING** - unless otherwise agreed, we ship through affiliated couriers. For shipments made to postal service, the cost will be charged to the invoice.

- ♦ **TRANSPORT AND DELIVERY STANDARDS** - The goods travel at the risk of the buyer. We recommend to scrupulously check the product at the arrival of the courier. If any damage to the packaging or product is found, as well as the lack of packages, this must BE IMMEDIATELY CONTEMPTED to the courier, through SPECIFIC CONDITIONALLY RECEPTION, and reported in writing with the appropriate words: "Checking complain for not intact / damaged / missing pieces packaging, etc.". You must specify the reasons for this complain on the delivery document; the mere application of the "specific conditionally reception" is not enough.
- ♦ **PAYMENTS** - payments must be made to "Cartelli Segnalatori S.r.l.". According to previous agreements, they can be:
  - ♦ Bank transfer at sight invoice with deposit on: Monte dei Paschi di Siena, agency 1195, Cusago, Italy. IBAN: IT1500103033070000003347093
  - ♦ Net COD (for new customers the payment is always at delivery).
 In case of delay in payment (referred to agreed deadlines), default interest will be automatically calculated, without any formal notice by Cartelli Segnalatori, according to the rate indicated by art.5 of the D.Lgs dated 9 October 2002 n.231, including the express increase (interest rate applied by European Central Bank to its main refinancing operations, increased by 8%).
- ♦ **PRICES** - prices are net of VAT. Cartelli Segnalatori reserves the right to vary prices, articles and conditions of sale without notice at any time, reporting, whenever possible, any changes through our website [www.cartelli.it](http://www.cartelli.it).

- ♦ **GRAPHICS** - any digital graphic provided by the client will not be returned. Silkscreen frames, molds, dies, films and anything else necessary to process the order will remain as exclusive property of Cartelli Segnalatori, even if the client participated in set-up and installation costs.
- ♦ **RESPONSIBILITY AND RETURNS** - claims must be presented within eight days since delivery. Return is authorized only if previously agreed and confirmed in writing. Except for manufacturer responsibility principles, Cartelli Segnalatori, in case of recognized defective products, will refund the total amount of the goods. As well, Cartelli Segnalatori assumes no responsibility for damages resulting from improper storage, custody, marketing or use of the products supplied.
- ♦ **RELATED TRIBUNAL** - for any controversy Foro di Milano is exclusively competent.

Even partial reproduction of drawings, photos and product codes in this catalogue is strictly prohibited, unless previously authorized. Images and technical characteristics of products are not binding and may be changed at any moment.



by  
**CARTELLI SEGNALATORI SRL**  
Via A. Volta 1,  
20090 Cusago (Milan), ITALY  
VAT n. 07803080154





by  
**Cartelli Segnaletici**

Via Alessandro Volta, 1  
20090 Cusago (Milan)  
ITALY

+39 02 90.39.90.1

www.safein.it

+39 02 90.39.90.80

safein@cartelli.it

ASSOCIATED TO



ASSOCIAZIONE ITALIANA  
SEGNALETICA STRADALE



SYSTEM CERTIFICATION



ISO 9001-2015 - CERT. N°0650

PRODUCT CERTIFICATION



CERTIFICAZIONE UNI EN 12899-1

SEGNALETICA STRADALE VERTICALE PERMANENTE

Member of: "Signage" working group of the Safety Commission UNI  
(Italian National Unification Body)

