



1<sup>ST</sup> FRENCH MANUFACTURER

of lifting & lashing products,  
polyurethane protection equipments, PPE.



**BEST OF** *special*

**INDUSTRIAL**

**VEHICULES**

2.23

Made to measure | Flexibility | Fast Manufacturing

# SUMMARY

## INFORMATIONS - P01

- Our Now-How ..... p.01
- Our CSR chart ..... p.02 - 03
- Lashing training ..... p.04

## LASHING - P05

- Traceability label ..... p.06 - 07
- Using recommendation ..... p.08
- Let's compose your lashing system ..... p.09 - 10
- Powertruck ..... p.11
- Tenso ..... p.12
- Ergotruck ..... p.13
- Standards lashing systems ..... p.14 - 15
  - Engine loader* ..... p.14
  - Ergonomic High-Performance Tensioner* ..... p.14
  - Tensioner with progressive release* ..... p.15
  - Standard tensioners (6t9m)* ..... p.15
- Self-retractable ..... p.16
- Interior Lashing Systems ..... p.17 -18
- Lashing Chain ..... p.19
- Snowcramp XXL ..... p.20 - 21
- Flatbed Trailers Lashing ..... p.22
- Offroad Vehicules Towing Sling ..... p.22
- Lashing net ..... p.23
- Slings Protection ..... p.23 - 24

## LIFTING - P25

- Standard Round Slings ..... p.26
- High Capacity Round Slings ..... p.27
- Chain Slings ..... p.28

## SAFE WORKING AT HEIGHT - P29

- Safe Working at Height - Industrial Vehicules sector ..... p.29

# OUR NOW-HOW

PMS Industrie, a French manufacturer: expertise acquired since 1985. Thanks to its mastery and concern for perfection, the company is now the market leader in lifting, lashing and polyurethane protective products.

The PMS Industrie know-how means :

## Know

PMS Industrie's teams study your needs, respond quickly and pay close attention to detail, creating a synergy that enables to develop solutions to your needs.

Our company relies on the ingenuity of its methods :

- optimum safety: compliance with standards and regulations guaranteed by tests on materials and finished products,
- expertise provided by a high-performance research department,
- continuous development of knowledge acquired through the registration of numerous patents.

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*From thinking to acting...*

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## How

Our research department applies the knowledge it has acquired to become an expert in its field (specific lengths, product customisation, outstanding capacities, etc.). Our direct links with the production area enable us to meet your needs as quickly as possible. Our production speed is based on a complete work chain (winding workshops, a fleet of 80 sewing machines and a high-performance shipping department, with over 150 shipments a day throughout France and Europe).

With around 6,000 m<sup>2</sup> of storage space, we are able to prepare and dispatch standard products within 24/48 hours (depending on your geographical area), and this expertise is regularly monitored. Our quality department tests the raw materials and our own production to guarantee quality. We have a fleet of 5 test benches, enabling us to carry out tests from 120 to 1600t, with traction (vertical or horizontal) or compression, destructive or not.

All this is backed up by trained, competent staff who are always at your service.

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*A know-how successful for more than 35 years.*

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**Expertise**  
**Techniques** **Creating value**  
**Patented products**  
**To perpetuate** **Transform**  
**Competence** **Traceability**  
**Experience** **Security**  
**Excellence**

# OUR CSR CHART

In order to respond to current environmental, societal and ethical challenges, becoming primordial in our society, PMS Group has been engaged in a voluntary Corporate Social Responsibility approach. Considered as a progress axis, it has been drawn as the opportunity of having a sharing growth, profitable for the firm, its stakeholders, and more widely for civil society and environment in which we are evolving.

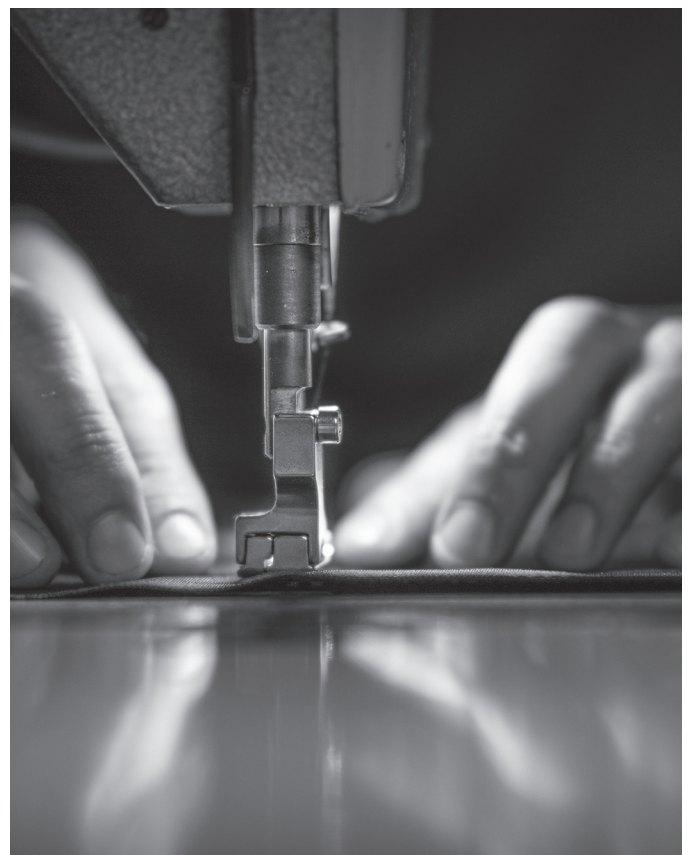
PMS GROUP commitments are formalized with a Corporate Social Responsibility charter, a reference document which brings a definition of goals, principals and each concerned stakeholders role.

## The environment

- ☛ To implement a politics about the firm environmental impacts.
- ☛ To reduce our gas emissions.
- ☛ Being vigilant about newplanned processes to keep good environmental practicies.
- ☛ To save energy and natural resources.
- ☛ To reduce plastics materials.
- ☛ To support second life products with our repair department.

## Social policy

- ☛ Importance given to men and women equality treatment in terms of wages.
- ☛ To adapt and improve labor conditions.
- ☛ To involve employees in social and environmental responsibilities advocating openness to dialogue.



## Societal Responsibilities

- ✔ To keep and perpetuate our know-how.
- ✔ To include our stakeholders about environmental impacts and CSR.
- ✔ Eco-friendly purchases are made in a sustainable development project.
- ✔ To encourage circular economy.



## Business ethics

- ✔ Satisfying our customers.
- ✔ To develop a responsible policy.
- ✔ To control and preserve financial and not financial informations.
- ✔ To maintain customers-suppliers partnership.
- ✔ To respect loyal competition rules.
- ✔ To obtain the best of our stakeholders.
- ✔ To check the information and respect confidentiality and intellectual property.
- ✔ To avoid every conflicts of interest.



by **PMS** GROUP  
FRENCH MANUFACTURER



# LASHING TRAINING

In order to use our lashing systems safely, it's essential to be trained. PMS 2600t Expertise, a PMS GROUP company is dedicated to training and test on test benches. Our training on the use of lashing systems is provided in our offices in Rang (25) or at your own place. More it's eligible to CPF (Compte Personnel de Formation).

## Who is concerned about training ?

Everyone who sells or use lashing systems but also ones in charge of monitoring loads lashing.

## Training length

During a whole or half of a day, will be mentioned various themes to have a complete and global training about lashing : norms, rules, lashing technics, and more ...



## Topics covered

- Definition of various terms usually used in lashing (TMU, LC...).
- Various physical strengths which intervene on loads.
- Slings resistance.
- Presentation of the main existing lashing devices (textile or chain) and their regulatory requirements.
- Traceability label and user instructions : explanation on the different informations given on the label.
- The different lashing methods : local blocking, total blocking...
- The rules to respect in order to maintain lashing conformity : load distribution, setting up and dismantling a lashing system.
- Lashing protection systems : corners, PVC corners, anti-slip mats.
- Rails and lashing bars (telescopic, kargo keeper, support and savoyard...)
- How to detect a non-compliant lashing system ?

To guarantee maximum safety when using your equipment, we also offer trainings in lifting, periodic general controls and the use of work equipment at height..

For further information, visit our website :

[pmsexpertise.com](http://pmsexpertise.com)



# OUR LASHING products

To ensure the safe handling and transport of your loads, discover our various textile, chain and lashing solutions for industrial vehicles. This Best Of is dedicated to industrial vehicles, various solutions of textile lashings, chains, accessories and protection for your equipment. Thanks to our experience and know-how, we can guarantee you quality products that comply with current standards and regulations. Don't hesitate to contact us for all your customised or standard lashing systems.



*According to your project, consult us.*

*Depending on quantity and geographical area.*

STF : Standard Tension Force.  
SHF : Standard Handle Force.



TMU : Maximum Tension Use  
LC : Lashing Capacity

# TRACEABILITY LABEL

The presence of the traceability label is mandatory and essential. Securing your load with PMS Industrie is your guarantee of using a lashing system that complies with Standard 12 195 - 2 and to keep peace of mind. The information on the label gives additional details about the product (length, capacity [TMU], manufacturer, etc.) to ensure it is used correctly.



## Did you know ?

Standard En 12 195 - 2 requires the manufacturer to be identified on a traceability label. Recognise a PMS Industrie product thanks to these two logo :  

## A tested quality

To guarantee perfect legibility over time, PMS Industrie labels have undergone rigorous quality control. The resistance of the ink used has been tested against UV rays, as well as against various substances: solvents, cleaning products, oils, etc\* . .

Despite all these conclusive tests, it is essential to store lashings in a cool, dry place, protected from direct sunlight and from any risk of mechanical damage.

For use in a chemical environment, please contact us.

*List of tested and validated products: water, soap, grease, vinegar, hydraulic oil, acetone, ZEP 60, indrosil release agent, silicone 800..*

## Options for greater protection

The label is sometimes putting to the test. However, a lashing system cannot be used without it. If the product has an illegible, damaged or torn label, it must be disposed of immediately. At PMS Industrie, we offer various options to protect your labels effectively. By protecting them from the elements, you can increase their lifespan.

### Option 1 : Protected label

The label is fitted with a plastic sheath. It is isolated from external elements. Any rubbing will not damage the data written on it.



### Option 2 : Sewn plated label

The traceability label is sewn onto the strap with a part that is caught under the seam. This ensures that it is visible in all circumstances and protects it against the risk of tearing and ripping..



### Option 3 : Sewn plated and protected

The combination of options 1 & 2 protects the label from rubbing and tearing.



## Customization

A compulsory and essential element, the traceability label can also be a vector of visibility for your company. Raise your profile by personalising it, and adding your own information: name, logo, contact details, etc.

As a real french manufacturer, PMS Industrie is enable to propose personalized products form A to Z. Don't hesitate to consult us.

En 12 195-2 03 / 2001

4A33 170 110 VE

date : 10/ 23

VOTRE NOM ICI

## References with a sewn plated label

Because your safety and satisfaction are the greatest rewards, the traceability labels for the most commonly used references at PMS Industrie are automatically affixed and sewn onto the strap.

References with a default plated label\*:

5D11 900 30 BL TTRUC (p.17)

5D22 900 30 BL TTRUC (p.17)

6EG11 900 30 VE ERGOT (p.13)

6EG22 900 30 VE ERGOT (p.13)

\* The sewn-on references plated label may vary slightly for the sake of legibility.



## Technical data

Each strap is fitted with a traceability label containing the mandatory information (LC, serial number, manufacturer, standard, etc.) and a label with instructions for using the system.

<b>LC : 2000 daN</b>	— LC [daN]	<p>Check that the LC is suitable for the load to be stowed</p>
<b>999900001 PES</b>	— Identification, serial number, traceability and material used.	
<b>PMS Industrie</b>	— Supplier's name	
<b>date : 10 / 23</b>	— Manufacturing date	
<b>EN 12 195-2 03 / 2001</b>	— Standard number	
<p><b>LC : 2000 daN</b></p>	— Lashing capacity	<p>Do not use cut straps, damaged or knotted</p>
<p><b>LC : 4000 daN</b></p>		
<p><b>SHF50 daN / STF200 daN</b> rupture sangle seule 6,0 t allongement sous LC &lt;7%</p>	— Normalized tension force	<p>Protect the straps from sharp edges</p>
	— Textile webbing elongation in percentage	
<b>999900001 PES</b>	— Identification, batch number, traceability and material used.	<p>Temperature of use -40 °C to +100 °C</p>
<b>Long. : 900 / 30 cm</b>	— Length	
<b>Ne pas utiliser pour le levage</b>	— Warning message	<p>Do not stow at an angle</p>
	— Name of the manufacturer or supplier, their symbol, trademark or other clear identification.	
<b>date : 10/ 23</b>	— Manufacturing date	<p>Standard reference</p>
<b>Fabriqué en France</b>		
<b>En 12 195-2 03 / 2001</b>	— Standard number	
<b>DIN 60 060</b>		

Label models registered, reproduction prohibited.

# USING ADVICE

(EN 12 195-2)

The lashing systems must be used in accordance with the instructions supplied with the system.

The lashing systems must not be used to lift loads. The forces applied to them must not exceed the Maximum Working Tension (MWT) shown on the label. The accessories at the ends of the lashings must comply with the trailer manufacturer's specifications.

It is essential to use a lashing system whose accessories are adapted to the anchor points and their strength.

The force applied when a lashing system is tensioned must correspond to that exerted by a person's arm (SHF\*).

The use of any mechanical part or support (such as levers, bars, etc.) not provided for by the manufacturer, for the specific purpose of increasing the tension of the straps, is prohibited.

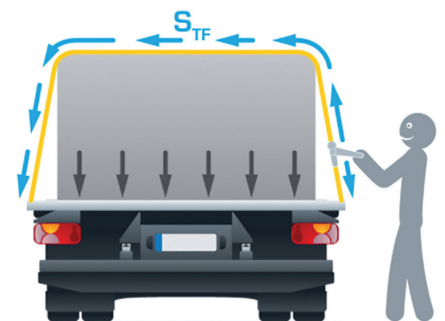
Lashing devices must be stored in cool and dry places. They must be protected from sunlight and any risk of mechanical damage.



# GOOD TO KNOW

\*The SHF (Standard Hand Force) represents the maximum force exerted manually on the handle to tighten the lashing system. According to standard EN 12 195-2 it is equivalent to 50 daN (= 50 kg).

The STF (Standard Tension Force) represents the force transmitted to the strap by the tensioner. This figure is used to calculate the number of straps required for lashing. The higher the STF, the greater the force applied to the load.



# LET'S COMPOSE YOUR LASHING SYSTEM



COMPOSE YOUR OWN LASHING SYSTEM  
CHOOSE : WIDTH, LENGTH, ENDS...

## Type of tightening

WIDTH	75 mm		50 mm			45 mm	35 mm	25 mm
LC  daN	5 000	3 500	2 500	2 000	1 500	800	1 000	400
LC  daN	10 000	7 000	5 000	4 000	3 000	1 600	2 000	800
<b>Steel ratchet</b>	975 975 VO	975 975 VO	811 PPA 811 PP VO	811 PPA 811 PP NO	811 PP IN • 914 811 PPA 1.60	916	917 • 908 917 IN (LC 1500 daN) 917 NO	909 • 906 906 IN
<b>Ergonomic ratchet</b>			811 EG	811 ER G				
<b>Ergonomic ratchet with multiplied tensioning</b>			811 ALL 2.5	811 ALL				
<b>Progressive release ratchet</b>	975 DP	975 DP	811 DP 2.50 Tenso+	811 DP 2.50 Tenso				
<b>Tensioning strap buckle</b>							804	803
<b>Lever ratchet tensioner</b>						FA • 912		

## Type of ends

### Hooks

Width	75 mm	50 mm	45 mm	35 mm	25 mm
<b>Closed wire hooks</b>	1067	1006 • 1006 IN 1007W	1005	1004 1004 IN	1002 1002 IN
<b>Open wire hooks</b>	1069	1065		1066	
<b>Single finger</b>		1014/50		1014/35	
<b>Hook with safety lacht</b>		1075			
<b>Flat hook with safety lacht</b>		1209 • 1210	1204		1201
<b>Hook with eye and safety lacht</b>				1017	1017
<b>Flat</b>		1012 IN • 1827 1012/B/PM			1013
<b>Flat for interior lashing</b>		1026			
<b>Clevis for special lashing of cars and</b>		N50J		N35J	
<b>Closed U</b>		1063			
<b>Motobike</b>					1202

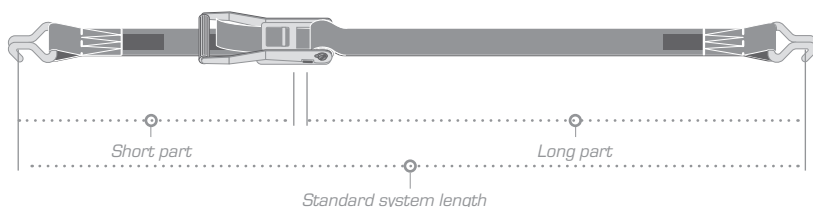
### Rings

Width	50 mm	35 mm	25 mm
<b>Flat triangular for webbing</b>	3018		
<b>Triangular welded round steel wire</b>	1706 1705		3304
<b>Buckle for webbing</b>		3310	

### Loops

Width	50 mm	35 mm	25 mm
<b>Flat steel ring for webbing</b>	806		
<b>Steel for webbing</b>	802		
<b>Buckle for webbing</b>	907	804	605 • 801

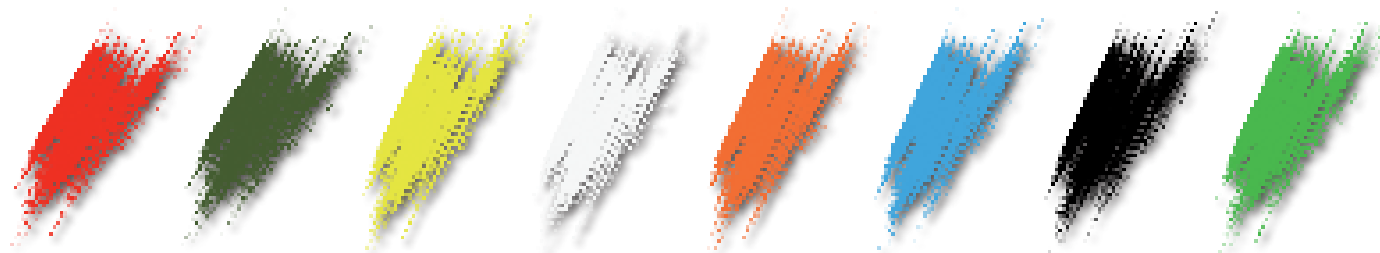
## Identitfy the length



## Choice of strap colour

### COLOURS TO MATCH YOUR IDENTITY

Choose from a wide range of colours so you can use lashing systems that are consistent with your brand's or company's corporate identity.



RED

GREEN  
OLIVE

YELLOW

WHITE

ORANGE

BLUE

BLACK

GREEN

### A MARKING TO SUPPORT OUR BRAND NOTORIETY

Improve your visibility and be immediately identifiable : broadcast your image to professionals and the general public by marking your lashing system with your name, your logo, your contact details... don't hesitate to contact us for more information.



# LASHING SYSTEM POWERTRUCK®

Compliant with the standard : EN 12 195-2

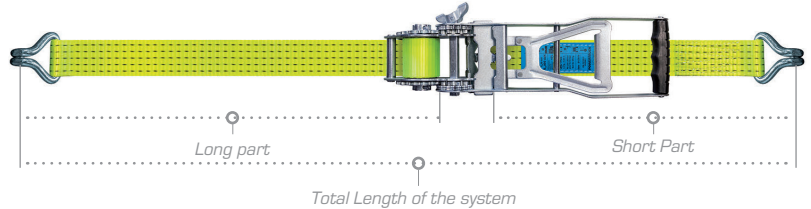


**STF DOUBLED TO 800 DAN = ULTRA-POWERFUL  
POWERFUL AND ECONOMICAL**



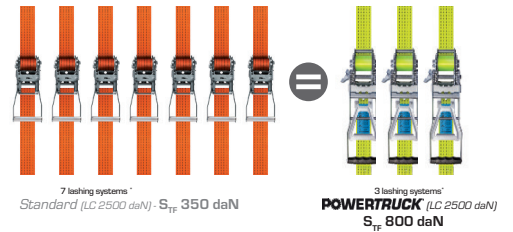
## Technical characteristics

- Ratchet with multiplied tensioning force.
- Working length : 10 m.
- Short Part length : 0,3 m.
- Long Part length: 9,60 m.
- Sling width : 50 mm.
- STF : 800 daN.
- Sling and stitching thread 100% polyester high-tenacity multifilaments : high friction resistance, abrasion, UV resistant and chemical products.
- LC : 5 000 daN.
- LC : 2 500 daN.
- Breakage of the unsewn strap alone : 7,5 t.



## HALVE YOUR LASHING SYSTEMS

Example\*  
 Load, concrete block = 7000 kg  
 Wood floor  
 Lashing corner  $\beta = 60^\circ$  T  
 Friction coefficient  $\mu = 0,55$



The number of lashing systems is given as an indication for this specific example. You should always carry out the calculation to determine the number of lashing systems required for your lashing. We would also remind you that the minimum number of lashing systems is 2 for overlap lashing and 4 for direct lashing.



Ref. 6PT22 1000 40 JAX POWER

## The benefits

- When using overlap lashing, the Powertruck® with its high STF means fewer lashing systems are needed, while still guaranteeing safe transport.
- The reverse tensioning system takes the strain off the user's back, reducing the risk of musculoskeletal disorders.
- The gear system, comprising 3 toothed wheels, ensures greater tensioning force with less manual effort for less manual effort.
- A knob on the side of the turnbuckle makes it easy to wind and unwind the strap around the tensioner shaft.



Gear system : 3 cogwheels



Knob for winding and unwinding the strap

## Packaging

- 6 elements per box.
- Leaflet in each pack.



# LASHING SYSTEM TENSO®

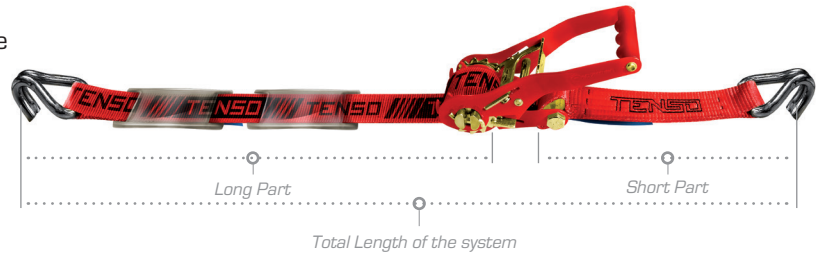
Compliant with the standard : EN 12 195-2



## THE 1<sup>ST</sup> LASHING SYSTEM WITH AUTOMATIC TENSION RECOVERY

### Technical characteristics

- High capacity anchoring system with polyurethane automatic tension recovery.
- Working length : 9 m.
- Short Part length : 0,3 m.
- Long Part Length : 8,70 m.
- Sling width : 50 mm.
- STF : 400 daN.
- Tension accumulator.
- High capacity 100% polyester multifilaments sling.
- Sling elasticity : 4%.



#### TENSO •••

- LC : 4 000 daN.
- LC : 2 000 daN.
- Unsewn sling breakage : 6 t.



Ref. TENSO1 90030R DF

Ref. TENSO2 90030R DF

#### TENSO+ •••

- LC : 5 000 daN.
- LC : 2 500 daN.
- Unsewn sling breakage : 7,5 t.

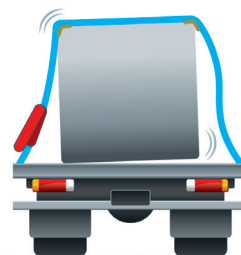
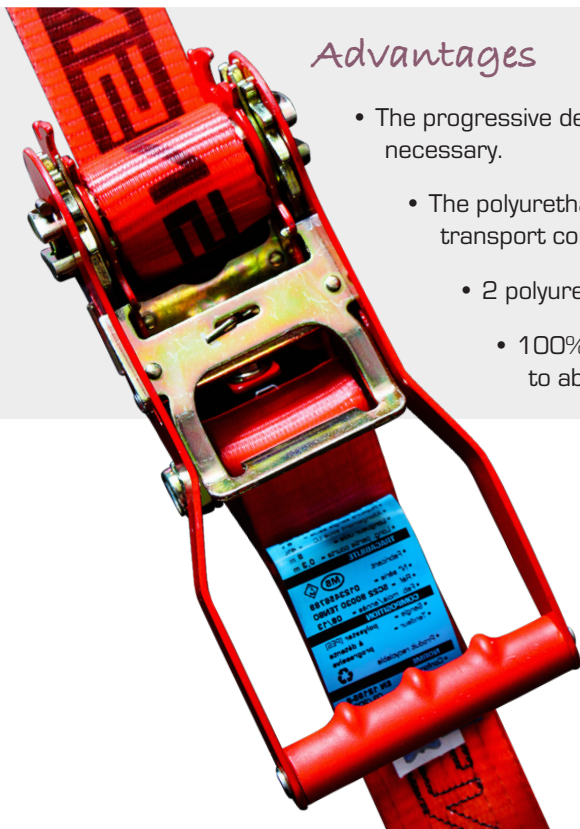


Ref. TENSO+1 90030R DF

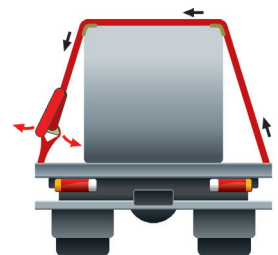
Ref. TENSO+2 90030R DF

### Advantages

- The progressive detent function «notch by notch» to ensure safe unloading and readjust the length if necessary.
- The polyurethane tension recuperator compensates for tension losses in the strap caused by transport conditions by gradually returning to its original shape.
- 2 polyurethane loops to protect the strap and load.
- 100% high tenacity multifilament polyester webbing and sewing thread : high resistance to abrasion, UV rays and chemicals.



With a standard system: the strap slackens, increasing the risk of the load becoming unbalanced and then falling.



With a Tenso system: the tension accumulator returns to its original shape and keeps the strap taut.

**30% LONGER RATCHET COMPARED WITH STANDARD RATCHET**

## Technical Characteristics

- Ergonomic ratchet with large handle (30 cm).
- Working length : 9 m.
- Short Part length : 0,3 m.
- Long Part Length : 8,70 m.
- Sling Width : 50 mm.
- STF : 400 daN.
- Sling and stitching thread 100% polyester high-tenacity multifilaments : high friction resistance, abrasion, UV resistant and chemical products.

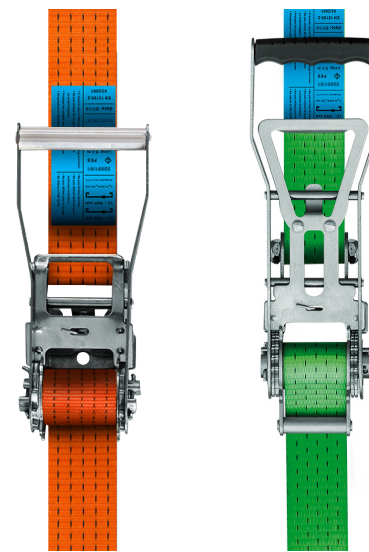
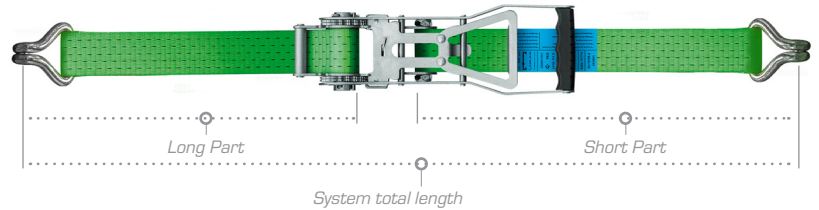
- LC : 5 000 daN.
- LC : 2 500 daN.
- Breakage of the unsewn strap alone : 7,5 t.



Réf. 6EG11



Réf. 6EG22



Mécanisme inversé



Mécanisme traditionnel

## Advantages

- Large handle for less effort on the turnbuckle.
- Ideal for loads requiring tight clamping.
- Increases clamping and facilitates installation.
- The user is no longer tempted to use a lever to increase the force exerted on the tensioner, which is prohibited by standard EN 12195-2.
- The user's back is no longer subjected to heavy strain, as they press down on the lever using their body weight. Helps combat musculoskeletal disorders.

- Traceability label plated and sewn directly onto the strap :

- eliminates the risk of it being ripped off,

- increases the life of the securing system.



## Conditioning

- 10 elements per box.



# LASHING SYSTEM STANDARDS

Conforme à la norme : EN 12 195-2



## MACHINE CARRIER

### Technical characteristics

- Ratchet Tensioner
- Sling Width : 75 mm.
- Working length : 8 m.



Réf. 975

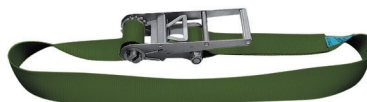


### Advantages

Secure opening: this ratchet tensioner can only be opened by voluntary action.  
No risk of unintentional opening.

#### Réf. 975 5.00

LC : 10 000 daN.  
LC : 5 000 daN.  
STF : 500 daN.  
Breakage of the strap alone unsewn : 15 t.



Réf. 975 5.00/1

#### Réf. 975

LC : 7 000 daN.  
LC : 3 500 daN.  
STF : 350 daN.  
Breakage of the strap alone unsewn : 11 t.



Réf. 975/1

### Possible endings



Réf. 1067



Réf. 1069



Réf. Delta



Réf. 25502



Réf. Delta+cro

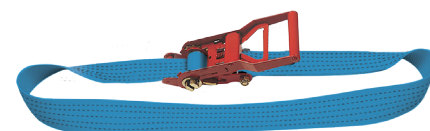
## WITH ERGONOMIC HIGH PERFORMANCE TENSIONER

### Technical Characteristics

- Ergonomic, high-performance ratchet tensioner.
- Strap width: 50 mm
- Working length: 9 m
- High-quality red colour.
- LC : 5 000 daN.
- LC : 2 500 daN.
- STF : 400 daN.
- Breakage of the unsewn strap alone : 7,5 t.



Réf. 811 ALL 2.5



Réf. 811 ALL 2.5/1

### Advantages

Easier lashing system tensioning thanks to :

- an inverted turnbuckle that allows the user to tension the lashing system by using the weight of his body and pressing on the handle, rather than the force of his back by pushing it upwards.
- the double plate retaining and locking system for the toothed wheel optimises the tension applied.
- the overall structure of the turnbuckle is more robust than a conventional turnbuckle.
- the user's back is no longer subjected to heavy strain, and musculoskeletal disorders (MSDs) are limited.

### Endings possibilities



Réf. 1067



Réf. 1069



Réf. 1014

# TENSIONER WITH PROGRESSIVE RELEASE

When you want to remove the lashing from your load, this tensioner gradually releases the tension exerted in the strap: the load doesn't fall out and the hooks stay in place. This tensioner is particularly useful for people who are lashing loads alone, as it guarantees their safety by preventing the load from tipping over during loading.



Réf. 811 DP 2.50



## Technical characteristics

- Ratchet Tensioner with progressive release.
- Sling width: 50 mm.
- Working Length : 9 m.
- LC : 5 000 daN.
- LC : 2 500 daN.
- STF : 400 daN.
- Breakage of the strap alone unsewn : 7,5 t.



Réf. 811 DP 2.50/1

## Possible Endings



Réf. 1006



Réf. 1065



Réf. 3018



Réf. CAT2



Réf. 1014



Réf. 1210



Réf. 1075



Réf. 1209

## Advantages

- The progressive release function allows the force retained in the lashing system to be released step by step. Load stability can be readjusted if necessary. This means you can regain control of an unbalanced load.
- The moulded plastic-coated handle makes it even easier to use.



Classical tensioner



Avec un tendeur à détente progressive.

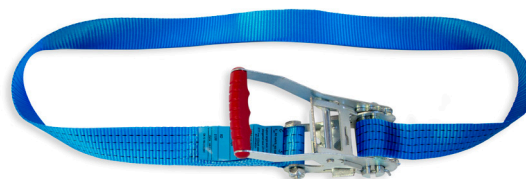
# STANDARD TENSIONERS (6T9M)

## Technical characteristics

- Ratchet tensioners.
- Slings width : 50 mm.
- Working length : 9 m.
- LC : 4 000 daN.
- LC : 2 000 daN.
- STF : 400 daN.
- Breakage of the strap alone unsewn : 6 t.



Réf. 811 PPA



Réf. 811 PPA/1



## Advantages

- Economical
- Double security: once locked, only voluntary action can open the system.

Traceability label applied and sewn directly to the strap:

- eliminates the risk of it being ripped off
- increases the lashing system's lifespan.



Réf. 1006



Réf. 1065



Réf. 1014



Réf. 1075



Réf. 1210



Réf. 1209



Réf. 3018



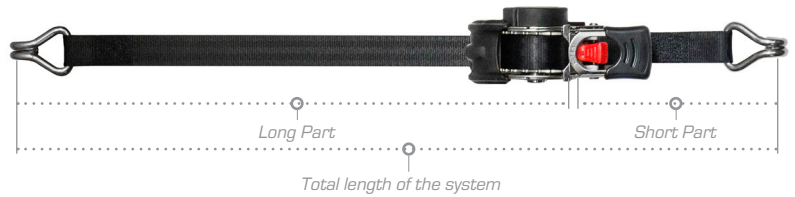
Réf. CAT2

Compliant with the standard : EN 12 195-2



## Technical characteristics

LC : 1 500 daN.  
 LC : 750 daN.  
 Breakage of the unsewn strap alone : 2,25 t.  
 STF : 180 daN.  
 Strap width : 50 mm.



Réf. SYA-RETRAC-50-S-3M

- Useful length : 3 m.
- Black rubber-coated, closed S-hooks to gently secure loads without scratching (motorbikes, fragile loads, etc.). Packs of 1.



Réf. SYA-RETRAC-50-1826-3M25-3M25

- Useful length : 3,25 m.
- Hooks for universal (ref. 3009). Packed in packs of 1.



Réf. SYA-RETRAC-50-1006-3M

- Useful length : 3 m.
- Hooks for anchoring rings or fascia boards. Packed in packs of 1.



LC : 600 daN. Useful length : 25 mm.  
 LC : 300 daN. Breakage of the unsewn strap alone : 0,9 t.  
 STF : 120 daN.



Réf. SYA-RETRAC-25-1202-3M

- Useful length : 3 m
- Black rubber-coated, closed S-hooks to gently secure loads without scratching (motorbikes, fragile loads, etc.). Packs of 2.



Réf. SYA-RETRAC-25-1002-3M

- Useful length : 3 m
- Hooks for anchoring rings or fascia boards. Packs of 1.

## Advantages

- Short part and long part inseparable.
- Simplified installation: avoids installation errors due to the installation of the lashing system.
- Easy to store thanks to the self-retracting system, so the rolled-up strap is protected when not in use: safety and longevity

## Packaging

- Special linear rigid packaging with the technical characteristics of the lashing system (length, width, LC...).
- On each package, a QR code takes you to an online version of the instructions for use.



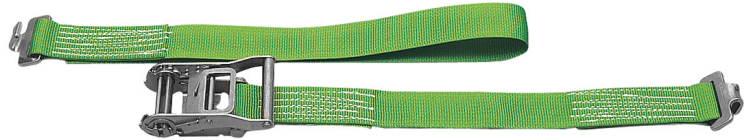
# INDOOR LASHING

## INDOOR LASHING SYSTEM FOR TRUCKS AND VANS



Compliant with the standard : EN 12 195-2

### Technical Characteristics



- Sling Length: 45 mm
- Working Length : 3,50 m
- LC : 1 600 daN
- LC : 800 daN
- Breakage of the strap alone unsewn : 3 t

### Endings possibilities

 <b>Réf. 912</b>	 <b>Réf. 916</b>	 <b>Réf. FA</b>
 <b>Réf. 1826</b>	 <b>Réf. 1826</b>	 <b>Réf. 1826</b>
 <b>Réf. 1005</b> LC  : 1 500 daN	 <b>Réf. 1005</b> LC  : 1 500 daN	 <b>Réf. 1005</b> LC  : 1 500 daN
	 <b>Réf. 1827</b>	 <b>Réf. 1827</b>

## RAILS AND ENDINGS

### Technical Characteristics



- Length : 3 m.
- Thickness : 2 mm.



Rail end protection for :

**1806 (Ref. PFR1)**

**3009 (Ref. PFR2)**

Lashing rail used for telescopic bars (references 1811 and 1811 alu) and internal lashing systems fitted with 1005 and 1827 hooks.



**Réf. 1806**



**Réf. 1005**



**Réf. 1827**

Universal lashing rail, for use with 1826 hooks.



**Réf. 3009**



**Réf. 1826**

## Round Shoring Bar ● ● ●

Adjustable system from 2.21 to 2.60 m for securing loads inside a truck equipped with suitable lashing rails, reference 1826 (p.17).

For a lighter telescopic bar, opt for the aluminium version.



Réf. 1811

Réf. 1811 ALU

## Barre d'appui ● ● ●

For compartments with an internal width of between 2.31 and 2.53 m. Tube made of high-quality aluminium.



Réf. 1839



Clog

Réf. 1845

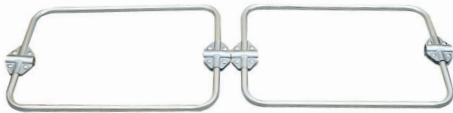
## Kargo keeper ● ● ●

Thanks to a spring-mounted tensioning mechanism, this system can be adjusted from 2.13 to 2.60 m and is ideal for securing loads inside a lorry where there are no lashing rails.



Réf. 1867WS-42

## Splitting Hoops



Réf. 1867HP-42

Complementary bar to the Kargo Keeper bar, enlarging its locking surface for better load support. .



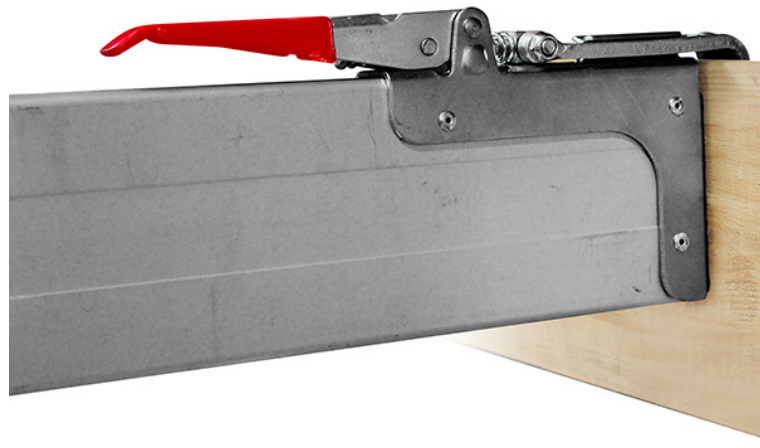
Soap bar installed in a lorry..

## Parting Wall Lock ● ● ●

- From 2,40 to 2,70 m.
- Made of aluminium, the bar is lightweight, easy to install and durable.
- Perfect for the bulky loads.
- Fits completely against the load.
- Adjustable clamps from 0 to 40 mm to suit the thickness of the board.



Réf. BSR 262



Réf. EBBS

Bar ends

# CHAIN

# LASHING SYSTEM

Conforme à la norme : EN 12 195-3

## RATCHET LOAD BINDER FOR CHAIN

Chain diameters from 8 to 16 mm, one colour per diameter. 100% traceability: serial number engraved on the handle, mandatory safety lanyard.

Réf. : ACTAC/R16



Réf. : ACTAC/R13



Réf. : ACTAC/R10



Réf. : ACTAC/R8



### Technical characteristics

- LC : from 40 to 160 kN.
- Minimum diameter : 8 mm.
- Maximum diameter maxi : 16 mm.

### Advantages

- One colour for each diameter, making it easy to identify the diameter of the turnbuckle.
- Very high resistance to cuts and abrasion..
- 100% traceability: serial number engraved on the handle.



## LASHING CHAINS



Lashing chains are designed for use with R8/R10/R13/R16 lashing tensioners. They are made from Grade 80 steel chain.

Réf. : CHTAC 01



Raccourcisseur + Crochet à linguet

Réf. : CHTAC 02



Crochet à linguet + Crochet à linguet

Réf. : CHTAC 03



Raccourcisseur + Raccourcisseur

### Technical characteristics

- LC : de 40 à 160 kN.
- Minimum diameter : 8 mm.
- Maximum diameter : 16 mm.
- Standard working length : 3,5 m.

Did you know ? The safety latch is mandatory when using this type of tensioner..





# SNOW CRAMP<sup>®</sup> XXL



## LE + PRODUIT:

- Extended turntable.
- Mountain law compatible.
- Optimised chain links.
- Guaranteed traceability.
- Downloadable instructions.
- Quick fitting

## Compatible with the mountain law

- Mandatory from 1 November to 31 March depending on the geographical area.
- **Obligation** for heavy goods vehicles to have snow tyres on at **least 2 driving wheels and 2 steering wheels on the main directional axle.**
- Have removable anti-skid **devices at hand** to equip 2 driving wheels.

### Removable anti-skid device :

- guarantees the starting, guiding and braking of the vehic.
- at all times, at least one gripping element not parallel to the direction of travel must be in contact with the ground (tolerance on the closing area of the system within the limit of 1.5 times the average distance between 2 contact points).

## Twisted chain links

The chain is made of **twisted «8»** links with **metal bars** welded transversely and **perpendicularly** to the direction of rotation of the wheel:

- **increased ground grip** compared to a chain with standard straight links.
- **optimal distribution** of the vehicle's **weight** on the chain while applying additional pressure to **prevent sliding**, even on the sides, for a greater efficiency when releasing.



## Multi-functionality

The SnowCramp XXL<sup>®</sup> from PMS Industrie has been the reference on the European market for more than 25 years for clearance and has seen its plate width increased.

This new dimension allows us to offer you a multifunctional chain and therefore to comply with the mountain law.

2 possible uses :

- release device: 3 elements per wheel.
- removable anti-skid device: 6 elements per wheel (to comply with the mountain law).

The SnowCramp XXL<sup>®</sup> is functional on all types of terrain.



Release device



\*Removable anti-slip device



SNOW



BLOCK ICE



SLUDGE

\*Compatible loi montagne.

## Characteristics

Easy to handle, the SNOWCRAMP XXL® can be installed quickly without the need to remove the tyre, use a jack, chock or turn the wheel.



**PUT TOGETHER IN ONLY  
10 MINUTES**

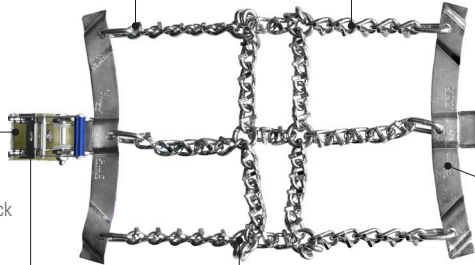


Polyurethane support to protect the ratchet and the rim

Ratchet : safe and quick tightening, optimal corrosion resistance, traceability marking, breakage 3000 daN/kg.

EVO links for optimum grip on the on the ground

Non-removable welded links for resistance.



Traceability label.

PVC protective sleeve to protect the strap from the rim. Thickness 2.4 mm. Length 20 cm.

Polyester webbing lined along its entire length. Sewn-in textile band. Width 35 mm. Breakage 3.2 tons.

Extended steel plate for better grip on the tyre and for use as a removable anti-skid device. Thicker and stronger for longer lifespan..

Round wire rings to reduce friction between the chain and the tyre.

## Your Snowcramp XXL® in Bag

The bag is ideal for storing and transporting your chains. It also protects them better when you're not using them.

### On the back of the bag :

- descriptive diagrams of the system to choice,
- the tyre size correspondence table to help to choice the model of Snowcramp XXL®..

### On the side of the bag :

- a QR code to download the instruction manual.



## 3 elements per bag

### Your box as an option

For all your showroom presentations, box of 16 bags.



## Matching Wheel Dimensions

Compatible tyres	Rim edge to rime edge
9 x R x 16	77,5
9 x R x 20	79
10 x R x 15	83,5
10 x R x 20	84,5
11 x R x 20	88,5
11 x R x 22	88,5
11 x R x 22,5	78
12 x R x 20	95
12 x R x 22,5	84
13 x R x 22,5	89,5
14 x R x 20	113
275 x 80 x 22,5	75
295 x 75 x 22,5	-

Compatible tyres	Rim edge to rime edge
295 x 80 x 22,5	80,5
305 x 70 x 19,5	76,5
315 x 60 x 22,5	77
315 x 70 x 22,5	75,6
315 x 75 x 22,5	-
315 x 80 x 22,5	84
335 x 80 x 20	90
365 x 80 x 20	99
385 x R x 22,5	93
400 x 70 x 20	-
425 x 65 x 22,5	102,7
445 x 65 x 19,5	108
445 x 65 x 22,5	108

PMS reference 1 bag of 3 elements : SNOWXXL SAC

Gencod : 3663143704739

Weight for 1 bag : 16,43 kg

PMS Reference 1 element : SNOWXXL

Gencod : 3663143704760

Weight for 1 bag : 5,37 kg

# LASHING FLATBED TRAILERS

Compliant with the standard: EN 12 195-2



Sling width : 50 mm ● ● ●



Ref : PV50 2T 811 PPA/3 J ... M

- LC : 4 000 daN
- Sling width : 50 mm



Ref : PV50 2T 910/3 J

- LC : 3 000 daN
- Sling width : 50 mm

Sling width : 35 mm ● ● ●



Ref : PV35 1T 908/3 J

- LC : 2 000 daN
- Largeur de sangle : 35 mm



Ref : PV50 2T 910/3 1006...

- LC : 4 000 daN
- Sling width : 50 mm



Ref : PV50 2T 910/2 1014/1J

- LC : 3 000 daN
- Sling width : 50 mm



Ref : PV35 1T 908/2 1014/1J

- LC : 2 000 daN
- Sling width : 35 mm

A range of configurations available. Contact our commercial team : [info@pms-ind.com](mailto:info@pms-ind.com) ou 0381963334

## TOWING SLING



- 2 loops with textile reinforcement.
- Manufacturing from 1,6 to 3,4 tons.

Réf : 600 1R



- Loops with textile reinforcement and ratchet • manufacturing from 1,6 to 3,4 tons.

Réf : 600 R1



- Flat slings
- Manufacturing from 1 to 20 tons.

Réf : BTRM



- Roundsling with a PVC protective sleeve.
- Available from 2 to 200 tons, please consult us.

Réf : EREM



- High capacity for a lighter weight
- Manufacturing for more than 300 tons, consult us.

Réf : GRIZZLYREM

# LASHING NETS



Made from 100% polyester webbing, the lashing net is ideal for securing small-volume loads. This system is perfectly suited to trailers and interior lashing.

## Technical characteristics

The nets are made to measure according to your needs, you can choose :

- Net surface area and shape,
- Number of loops,
- Belt width: 25, 35, 50 or 75 mm
- Mesh dimensions,
- Net colour,
- Breakage, system strength,
- Choice of ends : rings, loops or lashing hooks ...
- Choice between cam buckle or tensioner.



## Advantages

- Ideal for securing multiple, small-volume loads
- Ideal for trailers and interior lashing.



# SLINGS PROTECTION



## POLYSAFE BELT LOOPS

Polyurethane is one of the most resistant elements when using straps or slings for handling sharp objects. It protects simultaneously your load and the strap. POLYSAFE belt loops are used whenever edges, objects to be handled or the belts themselves are to be protected. The loops are used to prevent sharp edges and extend the life of your equipment.s : it has a protection against abrasion and cuts.

## Technical characteristics

- For slings from 25 to 150 mm.
- Minimum thickness : 4 mm.

Ref : DF



## Advantages

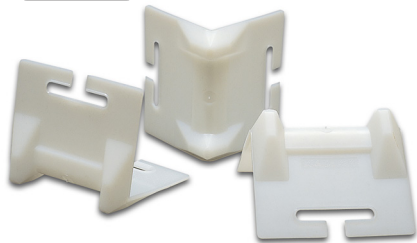
- Precise positioning of each loop by sliding on the strap.
- Lets the strap slide while avoiding direct contact with the load.
- Extends the life of your equipment: protection against abrasion and cuts. Resists shearing.
- Protection of the material that you are carrying.

# PROTECTIVE CORNERS

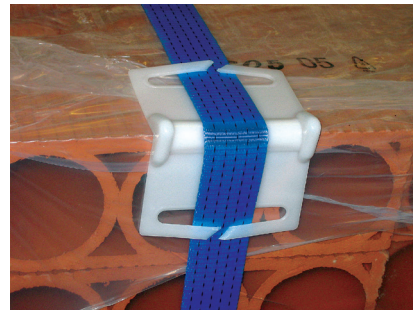
## Technical Characteristics

- For slings between 25 to 75 mm.

Réf : EQ1



Réf : EQ1-N



## Advantages

- Affordable
- Protects against cuts and abrasion.

# CORNER PROTECTORS

## Technical Characteristics



Réf : COLG/P 240 N

- Polyethylene.
- Inner coasts : 180 x 140 mm.

Réf : COLG 240 N ou R

- High density polyethylene.
- Manufactured with rotational moulding.
- Inner coasts 220 x 190 mm.



Réf : COLPVC 240 W

- PVC.
- Thickness : 4 mm.
- Length : 2,40 m.
- Inner coasts : 120 x 110 mm.
- Color : white.

## Advantages

- Helps secure small loads.
- Protects the load.
- Protects the strap from cuts and abrasion.

# TAPIS ANTIGLISSE

## Technical characteristics

- Roll of 5 m.
- Thickness : 4 et 8 mm.
- Width 250 mm.

Réf : TAPIS ANTI-G

## Advantages

- Limits load slippage on the ground..
- Increase load safety.
- Easy to use and install.
- Limits vibrations and increases acoustic comfort in the driver's cab.





# Products for **LIFTING**

Our textile slings are manufactured in accordance with European standards EN 1492-1 (flat slings) and EN 1492-2 (round slings), which specify the requirements for manufacture and use. They specify, for example, the 1:7 duty cycle and the colour code indicating capacities at a glance (purple: 1 T, green: 2 T, yellow: 3 T, etc.). Textile slings are essential equipment for all types of activity. They are easy to handle and highly resistant.



*According to your project, consult us.*

*Depending on quantity and geographical area.*

*Any worn or cut sling without a traceability label may no longer be used. It may be inspected, repaired or scrapped directly.*

# STANDARD ROUND SLING

Complicant with the standard EN 12 195-2 + A1



## Technical characteristics

- Manufacturing from 0,5 to 10 tons.
- From 0,4 to 40 meters.
- Coefficient of use 1:7.

## Advantages

- All our slings have a single or reinforced sheath with anti-abrasion treatment for better support and protection.
- Individual traceability number for each sling.
- Instructions for use and certificate of conformity downloadable via a QR code on the label.

Sling color	Lilac	Green	Jaune	grey	Red	Brown	Blue	Orange
CMU (ton)	1	2	3	4	5	6	8	10
ø 1 strand (mm)	15	20	25	30	35	40	45	50
Thickness sleeve (mm)	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,9
Weight m/use (g)	270	445	560	760	940	1170	1 535	2 300
Ref. 1 m	ER 1 1	ER 2 1	ER 3 1	ER 4 1	ER 5 1	ER 6 1	ER 8 1	ER 10 1
Ref. 2 m	ER 1 2	ER 2 2	ER 3 2	ER 4 2	ER 5 2	ER 6 2	ER 8 2	ER 10 2
Ref. m +	ER 1 ...	ER 2 ...	ER 3 ...	ER 4 ...	ER 5 ...	ER 6 ...	ER 8 ...	ER 10 ...



# STANDARD ROUND SLING

Compliant with the standard : EN 12 195-2 + A1

## Technical characteristics

- Manufacturing between 12 to 500 tons
- From 1 to 40 meters.
- Using coefficient 1:7

## Good to know :



Our production facilities enable us to meet your needs for large-capacity slings as quickly as possible. Please do not hesitate to contact us.

Sling color	Orange												tons +
	12	15	20	25	30	40	50	60	70	80	90	100	
CMU (tons)	12	15	20	25	30	40	50	60	70	80	90	100	Consult us
ø 1 brin (mm)	55	57	60	67	70	75	85	95	100	110	120	130	
Ép. gaine (mm)	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	1,5	
Weight m/EWL (kg)	3	3,3	4,1	5,2	5,8	7,1	8,5	10	11,3	13,5	15,7	17	
Ref. 1 m	ER121	ER151	ER201	ER251	-	-	-	-	-	-	-	-	
Ref. 2 m	ER122	ER152	ER202	ER252	ER302	ER402	ER502	ER602	ER702	ER802	ER902	-	
Ref. le m +	ER12...	ER15...	ER20...	ER25...	ER30...	ER40...	ER50...	ER60...	ER70...	ER80...	ER90...	ER100...	

## Advantages

- Individual traceability of each sling.
- Round slings over 10 tonnes are made of a sheath whose weave gives it very high resistance to wear and abrasion..
- All slings weighing 100 t or more have a double traceability label, one of which is polyurethane-coated..
- The instructions for use and certificate of conformity can be downloaded via a QR code on the label.



Round sling - 400 tons, 15 meters (manufactured in our workshop in Rang - department 25)



Round sling - 500 tons, 7 meters (manufactured in our workshop in Rang - department 25)

# CHAIN SLINGS

Compliant with standard EN818-4+A1.



A chain sling is made up of metal links and fittings to link it to the load to be lifted. It is renowned for its value and its high resistance to cutting and abrasion. Chain slings are made from high-strength steel.

## Technical Characteristics

- From 1 to 4 strands.
- Strand length of your choice.
- Grade 80 : diamètre de 6 à 20 mm.
- Grade 100 : 6 à 16 mm.
- Using coefficient: 1:4.
- Accessories of your choice.



Welded head mesh



Shortening claw to precisely adjust the length of the strands and adapt to any situation



Latch hook



or

Automatic locking hook



## Advantages

- Chain slings offer excellent abrasion and cut resistance.
- Shortening claws can be added to adjust strand length for maximum versatility.
- Excellent value for the money.

*Good to know* : a chain sling can be coupled with a textile sling to reduce its weight while maintaining excellent protection against abrasion and cutting at an aggressive point of contact.



Lifting with chains combined with round slings



Lifting with chains only.



Neofeu, part of the PMS Group, can offer you equipment and systems to protect you against falls from height, involving people or loads. As a French manufacturer for over 60 years, Neofeu offers you a complete service: from design to manufacture, marketing, advice and expertise.

You'll find a full range of locally designed and manufactured products that comply with current standards and regulations.

**FALL ARREST HARNESS - LANYARDS AND SHOCK ABSORBERS - ACCESSORIES - HELMETS - LOAD FALL ARRESTERS**



For more informations, please visit :

**neofeu.com**

or by phone : **+33 (0)3 81 96 33 34**

## Fall arrest harnesses with elastic lanyards **VIT'O**



Full body harness VIT'O comfortable lightweight and safe, fits most of the bodies thanks to its high performance adjusting and locking systems.

- Tested to 140 kg
- Water-repellent main straps in 44 mm polyester [  $R \geq 25$  kN ]
- Shoulder straps adjustable from the bottom using black epoxy-finish steel male/female quick-release buckles
- 44 mm elastic shoulder straps
- 44 mm Bavarian webbing with automatic sternum buckles
- Fall indicator
- Large polypropylene back plate
- Comfort pads on leg straps
- Static strength  $\geq 15$  kN

## Automatic fall arrest with cable



### **NEO EDGE EVO**

Fall arrester fitted with a 12 m automatically retractable steel cable lanyard. Easy to handle, it comes with a textile handle for easy transport. It is recommended for both vertical and horizontal use, for anyone weighing up to 140 kg. At the end of the cable is an energy absorber, packed in a polyester pouch.



Tank lorry with platform requiring the use of a harness

# YOUR CONTACTS

## Customer service

Support, advice, technical information, user manuals  
- our customer service team will help you use the  
entire PMS Industrie range.

This service, based in France, is available Monday to  
Friday from 8am to 6pm :

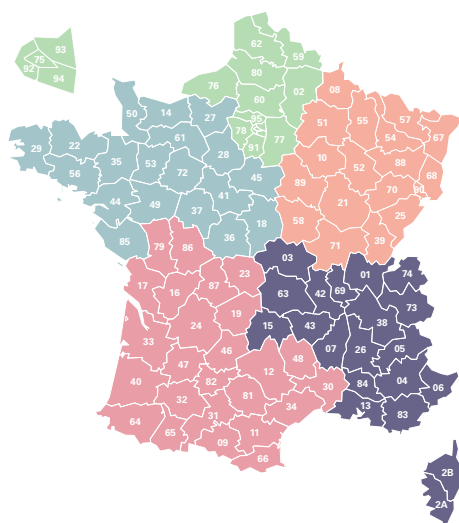
- By phone: 03 81 96 33 34
- By email: info@pms-ind.com



[www.pms-ind.com](http://www.pms-ind.com)



## 5 regional managers to support you



Don't hesitate to contact the  
person in charge of your sector  
using the contact details below :

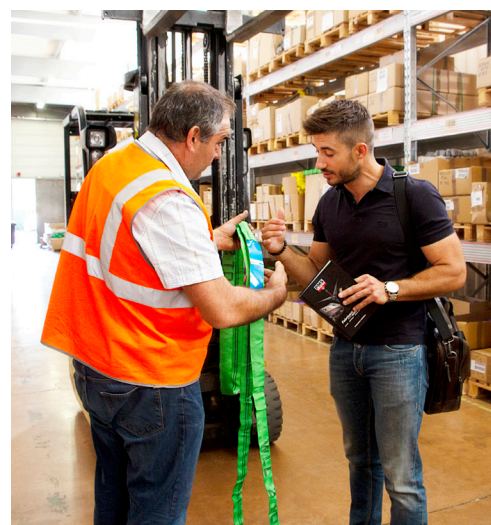
**North West SECTOR**  
mobile : +33 (0)6 76 02 23 94

**East SECTOR**  
mobile : +33 (0)6 33 91 86 75

**South West SECTOR**  
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**South East SECTOR**  
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**Île de France - North SECTOR**  
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Your distributor



8 route des Planches - 25250 RANG  
03 81 96 33 34 - [www.pms-ind.com](http://www.pms-ind.com)



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