

Always a step ahead !





The strength of an international company, the responsiveness of a small business at your Service since 1985

Since 1985, PMS Industrie has been providing lifting, lashing and personal protection equipment to distribution specialists and professionals. Our knowhow, technology and manufacturing abilities have made us one of the major players on the European market.

With our ISO 9001:2015 certified quality system and our GS mark products recognised as in compliance with EU standards, PMS Industrie reaps the benefits of our demanding customers' confidence.

PMS Industrie's comprehensive offer includes the manufacturing and sales of a very wide range of equipment for industrial, transport, public work companies and the agricultural, marine, aeronautic and aerospace industries.

Our range of products includes : textile slings, wire and chain slings, polyurethane protection, textile and steel lashing, safety harnesses and all the corresponding accessories.

We offer a choice of more than 8000 products in our catalogue.

For one item or a larger serie, from standard to custom-made : PMS Industrie will create your solution.

Our success relies on yours that is why we have the best research, customer service, and sales tools available to help build your reputation in this demanding sector of activity.

By working with PMS Industrie, you are choosing the unique expertise and experience of a manufacturer combined with the strength of a unified and invested team of partners.

PRESENTATION

PMS Industrie company	2 -	
Our products		٠

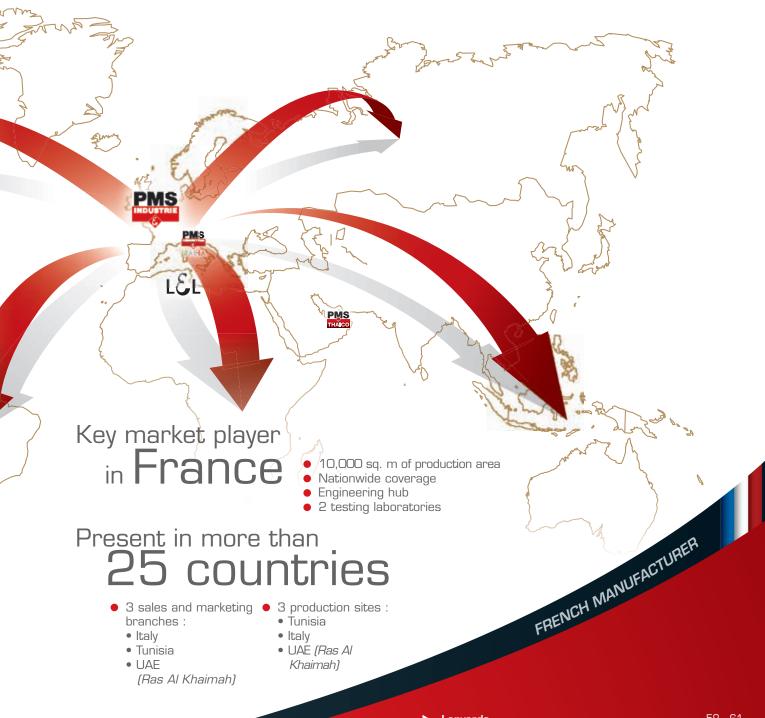
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ELECTRONIC TRACEABILITY



SPECIFIC & CUSTOM-MADE EXPERTISE

TEXTILE SLINGS

Complies with EN 1492-1 and 2

Our production facilities allow us to make standard textile slings up to 60 tons under tight deadlines. Experts in the lifting sector, we offer graduated manufacturing for specific products: Round slings with over 200 tons and 90 meters load capacities.

Flat webbing slings from 500 kg to 40 tons and more than **340** meters.

CHAIN SLINGS

Complies with EN 818-4

Forged in grade 80, 100 and 120 steel or grade 50 stainless steel.



TEXTILE AND CHAIN

With more than 600 references

LASHING
Complies with

EN 12195-2 et 3

WIRE SLINGS

Complies with EN 13414-1 and 3

PMS Industrie offers a full range of wire slings thanks to our technical expertise.



CUSTOM MANUFACTURING

Complies with EN 13157 and 13153

Our Research and Development Department designs and manufactures custom-made products such as chokers. In addition, we have clamps, jacks, and dynamometers on stock.



PERSONAL PROTECTIVE

PMS Industrie is the designer and

manufacturer of the first harness

Complies with current standards

EQUIPMENT

POLYURETHANE MANUFACTURING

Our technical team designs and manufactures sprayed or moulded polyurethane coatings against abrasion, cutting and sharp edges



LIFTING



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European standard (Extract of European Standards NF EN 1492-1 and 2 of Nov.2000)

This European standard specifies the application fields for all textile lifting equipment and accessories, as well as their manufacturing specifications. It aims to comply with the main safety requirements of the machinery directive 98/37/EC. In addition, it specifies the manufacturing, identification and marking methods for lifting slings; it enables to record their specifications, to mention their Working Load Limit (WLL) and to describe the method or the various methods used for their control.

To allow the use of flat webbing slings and round slings, the label of EC conformity, the certification of conformity and the operating instructions are compulsory.

Safety instructions

A) Safety factor: its minimal value must be at least equal to:

- ▶ 7:1 for webbing and round slings,
- ▶ 4:1 for accessories made of steel.
- ▶ 5:1 for the remaining components.

B) Breaking strength: webbing slings and round slings must resist to a strength at least equal to 7 times their WLL.

C) Traceability code: this code must at least enable to identify the following basic information:

- ▶ Identification of the sling,
- Identification of the controls done by the manufacturer,
- ▶ Identification of the accessories.

Informations stipulated

The identification tag of the slings must include:

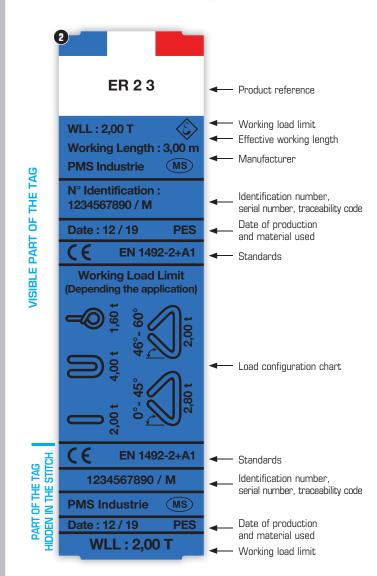
- ▶ The Working Load Limit,
- ► The material used for the manufacturing (polyester, polyamide, polypropylene),
- ▶ The nominal length in meters,
- The name and identification symbol of the manufacturer or the supplier,
- ▶ The traceability code.

The year and month of manufacturing can be mentioned on the tag.

TAGS PRESENT ON ANY WEBBING SLINGS PRODUCT



- Never slide slings under a load. Never leave a load laying on a sling.
- 2 Never knot slings or never use twisted slings.
- 3 Protect slings from any sharp edges.
- Never use knotted, cut or damaged slings without tags.
- Carefully check the weight of the load. Never overload slings. Use the slings with the appropriate working load limit.
- Use slings in a temperature range of -40° C to $+100^{\circ}$ C.
- Reference to the standards.



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ightarrow Load configuration chart : round sling and flat webbing sling



Round slings are specified with "effective working length"



Flat webbing slings are specified with "effective working length" (from eye bottom to eye bottom).

Load in %		100 %	200 %	140 % from 7° to 45°	80 %	100 % from 7° to 45°	
WLL			ROUND SLINE	U		8	
	in kg	Width in mm (flat webbing slings only)	FLAT WEBBIN	U	2	8	2
PURPLE	1 000	30	1 000	2 000	1 400	800	1 000
GREEN	2 000	60	2 000	4 000	2 800	1 600	2 000
YELLOW	3 000	90	3 000	6 000	4 200	2 400	3 000
GREY	4 000	120	4 000	8 000	5 600	3 200	4 000
RED	5 000	150	5 000	10 000	7 000	4 000	5 000
BROWN	6 000	180	6 000	12 000	8 400	4 800	6 000
BLUE	8 000	240	8 000	16 000	11 200	6 400	8 000
ORANGE	10 000	300	10 000	20 000	14 000	8 000	10 000
ORANGE	20 000	300	20 000	40 000	28 000	16 000	20 000

IMPORTANT: The Working Load Limit (WLL) mentioned must be strictly applied according to the operating conditions specified in the standards 1492-1 and 1492-2.

RECOMMENDATIONS OF USE



Check the weight of the load. Never overload and do not exceed Working Load Limit.



■ Take into account the lifting configuration and the lifting angle.



Consider the centre of gravity of the load.



Never hang the slings on the hook tip.



Protect slings from sharp edges.



Never tie knots.



■ Use slings at temperatures ranging from -40°C to +100°C.



Consult manufacturer in case of chemical exposure.



Consider hook dimensions. If necessary use shortening hook.



Destroy and replace slings as soon as the wearing indicator is visible (available on MEGA round slings only).



Make sure the load is uniformly distributed on the whole sling width.



Connect slings together using appropriate loops and metal rings only.

WARNING: in case of chemical exposure consider following factors



Type of chemical



Concentration



Temperature



Duration of chemical

Instructions of use

- ▶ Operate round slings and flat slings within the permissible temperature range.
- ▶ Ensure that sling is protected from any sharp corners and/or abrasive surfaces, use either protective polyester, polyurethane sleeves or coatings.
- ▶ Storage : in a cool place, away from humidity and sunlight.
- ▶ Never dry sling near a fire or any source of heat.
- **DO NOT USE DAMAGED SLINGS.**

YOUR SAFETY DEPENDS ON THE RIGHT USAGE OF ROUND SLINGS AND FLAT WEBBING SLINGS. DO NOT HESITATE TO CONTACT US.







30x STRONGER THAN POLYESTER SLINGS

The product line GRIZILY uses one of the strongest textile materials on the market.

A thick sleeve for an optimal resistance against cutting and abrasion, for a longer lifespan.

WOVEN SHEATH

- More resistant than knitted sheath: the weaving threads remain compact and prevent harming the sheath
- No cut, no abrasion, no elasticity
- No UV, hydrophobic
- Longer lifespan.



LIGHTER THAN OTHER ROUNDSLINGS

- 10 times lighter than chain and 5 times lighter than wire rope
- 2 times lighter than 100% PES roundslings
- With a fiber density lower than 1, the sling floats.

DIAMETER THINER THAN PES ROUNDSLINGS

- GRZIV roundsling can be used in small spaces, with smaller accessories
- Ergonomic product: Grizzly roundslings provide an ease of handling.

SAVE TIME AND MONEY

- Reduced transportation costs
- Less operators needed to handle the sling
- Ease of storage.

TRACEABILITY INSURED

- Indestructible and ineffaceable label thanks to its polyurethane coating.
- Traceability with a unique identification number







50 t / 10 m

Endless cable strap **246** kg

Regular textile sling
90 kg

100% GRIZZIY sling (fiber core and sleeve)

45 kg





WHAT IS UHMWPE FIBER?

UHMWPE fiber has excellent characteristics such as high strength, high modulus, low density, abrasion and impact resistance, reagent durability, high hydrophobic, biocompatibility and anti-UV.

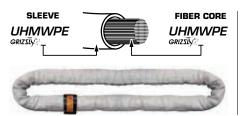
The product also shows good characteristics in resistance to (sea) water, moisture, mildew, fatigue durability and long flexing life.

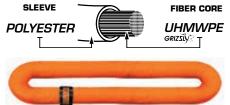


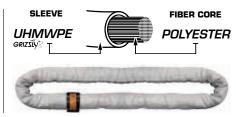
MANY COMBINATIONS AVAILABLE

As a manufacturer, PMS Industrie can offer several solutions combining GRIZILY and polyester.

According to your customers' needs, we can provide you with many combinations of round slings materials:







	Sling color	ECRU	ECRU	ECRU	ECRU	ECRU	ECRU
	WLL (ton)	15	20	50	100	120	170
	Ø 1 leg (mm)	53	61	91	127	138	167
	Sleeve thickness (mm)	2,5	2,5	2,5	2,5	2,5	2,5
	Weight m/utile (kg)	1,9	2,2	5,1	9,3	11,5	18
	2 m	GRIZZLY/15/2	GRIZZLY/20/2	GRIZZLY/50/2	-	-	-
#i	3 m	GRIZZLY/15/3	GRIZZLY/20/3	GRIZZLY/50/3	GRIZZLY/100/3	GRIZZLY/120/3	GRIZZLY/170/3
ď	4 m	GRIZZLY/15/4	GRIZZLY/20/4	GRIZZLY/50/4	GRIZZLY/100/4	GRIZZLY/120/4	GRIZZLY/170/4
	Le m +	GRIZZLY/15/	GRIZZLY/20/	GRIZZLY/50/	GRIZZLY/100/	GRIZZLY/120/	GRIZZLY/170/

We can provide you with Grizzly roundslings from 15 to 300 tons, and an extreme length of 40 meters.

Safety factor 7:1 MBL = 2100 T

Temperatures working range from -40°C to 80° C



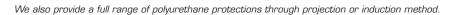






than 170T. Please contact-us









ROUND SLING CAPACITY RANGING FROM 10 TONS AND AB

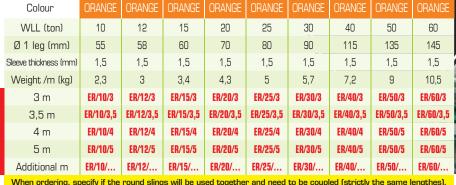
Available from 10 to 70 tons, 3 to 40 meters

Safety factor 7:1 - Complying with EN 1492-2 standard



The 10 tons to 70 tons round sling is made of a sleeve whose weaving confers a high resistance to wearing and abrasion.

Manufacturing 220 tons



When ordering, specify if the round slings will be used together and need to be coupled (strictly the same lengthes).



ROUND SLING FROM 50 TO 100 TONS DOUBLE SLEEVE - SIDE STIT

Available from 50 to 100 tons, 2 to 40 meters - Safety factor 7:1 - Complying with EN 1492-2 standard







Effective working length

Colour	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE
WLL (ton)	50	60	70	80	90	100
Ø 1 leg (mm)	135	140	150	160	165	170
Weight/m (kg)	9	10,5	11,7	14	16	18
2 m	ERCC/50/2	ERCC/60/2	ERCC/70/2	ERCC/80/2	ERCC/90/2	ERCC/100/2
2,5 m	ERCC/50/2,5	ERCC/60/2,5	ERCC/70/2,5	ERCC/80/2,5	ERCC/90/2,5	ERCC/100/2,5
3 m	ERCC/50/3	ERCC/60/3	ERCC/70/3	ERCC/80/3	ERCC/90/3	ERCC/100/3
3,5 m	ERCC/50/3,5	ERCC/60/3,5	ERCC/70/3,5	ERCC/80/3,5	ERCC/90/3,5	ERCC/100/3,5
4 m	ERCC/50/4	ERCC/60/4	ERCC/70/4	ERCC/80/4	ERCC/90/4	ERCC/100/4
5 m	ERCC/50/5	ERCC/60/5	ERCC/70/5	ERCC/80/5	ERCC/90/5	ERCC/100/5
Additional m	ERCC/50/	ERCC/60/	ERCC/70/	ERCC/80/	ERCC/90/	ERCC/100/

When ordering, specify if the round slings will be used together and need to be coupled (strictly the same lengthes).

DON'T FORGET TO PROTECT YOUR SLINGS WITH PROTECTIVE SLEEVES



Important notice about lifting processes

As specified both in the lifting EN-1492-1 & 2 standard and Machinery Directive: for safe use of polyester round slings, the sling should be protected on the anchoring point (shackles, pins...) as well as the lifting appliance (crane hook).

IMPORTANT: Before every use, check the condition of your sling. If there are sharp edges, protect your slings. Your safety depends on the correct use of the product.





MEGA ROUND SLING

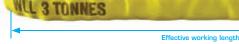
INCLUDING WEARING INDICATOR

Available from 1 to 30 tons, 0,4 to 40 meters

Safety factor 1:7 - Complying with EN 1492-2+A1 standard



Production to the millimetre and to measure upon request.



INSTANT SAFETY CHECK

Wear threads woven under



EXTRA REINFORCED SLEEVE

- Increased service life,
- Better support,
- Enhanced wear and abrasion resistance,
- High resistance to
- perforation and tears, • Slides perfectly under loads.



	Color	PURPLE	GREEN		GREY	RED	BROWN	BLUE	ORANGE	ORANGE
	WLL (ton)	1	2	3	4	5	6	8	10	30
	Ø 1 leg (mm)	15	20	25	30	35	40	45	50	80
	Sleeve thickness (mm)	1,1	1,2	1,2	1,2	1,3	1,3	1,3	1,3	2,1
	Weight / m (g)	270	500	640	870	1 070	1 270	1 660	2 300	5 700
	1 m	EM/1/1	EM/2/1	EM/3/1	EM/4/1	EM/5/1	EM/6/1	EM/8/1	EM/10/1	EM/30/1
98	3 m	EM/1/3	EM/2/3	EM/3/3	EM/4/3	EM/5/3	EM/6/3	EM/8/3	EM/10/3	EM/30/3
RE	5 m	EM/1/5	EM/2/5	EM/3/5	EM/4/5	EM/5/5	EM/6/5	EM/8/5	EM/10/5	EM/30/5
	Le m +	EM/1/	EM/2/	EM/3/	EM/4/	EM/5/	EM/6/	EM/8/	EM/10/	EM/30/

Other possible WLL

ROUND SLING DOUBLE SLEEVE MIDDLE STITCH

SPECIAL HARD LIFTING

Available from 1 to 8 tons, 0,2 to 25 meters and above

Safety factor 1:7 - Complying with EN 1492-2+A1 standard

DETAILS: Thanks to the centre stitch, the fibers are more knitted together, the supported force is evenly spread on each one. This round sling is especially adapted and recommended for lifting metal frames and is also suitable for difficult hoisting.



	Color	PURPLE	GREEN	YELLOW	GREY	RED	BROWN	BLUE
	WLL (ton)	1	2	3	4	5	6	8
	Ø 1 leg (mm)	20	25	30	37	40	43	45
	Sleeve thickness (mm)	370	500	700	950	1 200	1 300	1 700
	Weight / m (g)	ECM/1/1	ECM/2/1	ECM/3/1	ECM/4/1	ECM/5/1	ECM/6/1	ECM/8/1
	1,5 m	ECM/1/1,5	ECM/2/1,5	ECM/3/1,5	ECM/4/1,5	ECM/5/1,5	ECM/6/1,5	ECM/8/1,5
· ·	2 m	ECM/1/2	ECM/2/2	ECM/3/2	ECM/4/2	ECM/5/2	ECM/6/2	ECM/8/2
REFERENCE	2,5 m	ECM/1/2,5	ECM/2/2,5	ECM/3/2,5	ECM/4/2,5	ECM/5/2,5	ECM/6/2,5	ECM/8/2,5
噐	3 m	ECM/1/3	ECM/2/3	ECM/3/3	ECM/4/3	ECM/5/3	ECM/6/3	ECM/8/3
皇	3,5 m	ECM/1/3,5	ECM/2/3,5	ECM/3/3,5	ECM/4/3,5	ECM/5/3,5	ECM/6/3,5	ECM/8/3,5
	4 m	ECM/1/4	ECM/2/4	ECM/3/4	ECM/4/4	ECM/5/4	ECM/6/4	ECM/8/4
	5 m	ECM/1/5	ECM/2/5	ECM/3/5	ECM/4/5	ECM/5/5	ECM/6/5	ECM/8/5
	Le m +	ECM/1/	ECM/2/	ECM/3/	ECM/4/	ECM/5/	ECM/6/	ECM/8/







ELRO ROUND SLING

FOR STANDARD LIFTING

Available from 0.5 to 8 tons, 0.4 to 40 meters

Safety factor 7:1 - Complying with EN 1492-2 standard

KNOW-HOW: Thanks to our production equipment, we are able to propose custom-designed round slings manufactured with maximum accuracy fulfilling all your needs, and strictly complying with the EN 1492-2 standard.

NOTICE: All our round slings include a single or reinforced sleeve with anti-abrasion treatment, allowing optimal preservation and protection.





	Colour	PURPLE	GREEN	YELLOW	GREY	RED	BROWN	BLUE
	WLL (ton)	1	2	3	4	5	6	8
	Ø 1 leg (mm)	15	20	25	30	35	40	45
	Sleeve thickness (mm)	0,75	0,75	0,80	0,80	0,70	0,70	0,70
	Weight/m (g)	270	445	560	760	940	1 170	1 535
	1 m	ER/1/1	ER/2/1	ER/3/1	ER/4/1	ER/5/1	ER/6/1	ER/8/1
	1,5 m	ER/1/1,5	ER/2/1,5	ER/3/1,5	ER/4/1,5	ER/5/1,5	ER/6/1,5	ER/8/1,5
	2 m	ER/1/2	ER/2/2	ER/3/2	ER/4/2	ER/5/2	ER/6/2	ER/8/2
벌	2,5 m	ER/1/2,5	ER/2/2,5	ER/3/2,5	ER/4/2,5	ER/5/2,5	ER/6/2,5	ER/8/2,5
REFERENCE	3 m	ER/1/3	ER/2/3	ER/3/3	ER/4/3	ER/5/3	ER/6/3	ER/8/3
뇵	3,5 m	ER/1/3,5	ER/2/3,5	ER/3/3,5	ER/4/3,5	ER/5/3,5	ER/6/3,5	ER/8/3,5
	4 m	ER/1/4	ER/2/4	ER/3/4	ER/4/4	ER/5/4	ER/6/4	ER/8/4
	5 m	ER/1/5	ER/2/5	ER/3/5	ER/4/5	ER/5/5	ER/6/5	ER/8/5
	Additional m	ER/1/	ER/2/	ER/3/	ER/4/	ER/5/	ER/6/	ER/8/

When ordering, specify if the round slings will be used together and need to be coupled (strictly the same lengthes).

Manufacturing available up to 100 tons. Please contact us.

SOLUTION: We can adjust the length of your slings evenly. Our certified testing facilities enable to place the slings under constant load conditions or to subject them under test load conditions.







Handy: hook from 1 to 5 tons, specifically designed for easy positioning on the slings.





ROUND SLING Cobra

















Maximum strength :

The force is evenly spread over all the fibers.

100% ERGONOMIC

Make up time : Faster bringing into play of the sling. On a hook, on high ground or under a load, the sling keeps her rigidness for an easy handling.

Thanks to its design, the roundsling does not get into a tangle : easy to put away. Minimal bulk.















Available for 4 tonnages, contact us for the length.

Maximum operational load (Tons)		2		
Approximate Cobra sling diameter (mm)	16	20	22	29
Approximate width of a standard round sling (mm)	47	51	55	65
Operating temperatures : from -40°C to +100°C. www.elin	gue	cob	ra.c	om





FLAT WEBBING SLING MACMA®

VERY HIGH HEAT RESISTANCE



Available from 0,3 to 3 tons, from 1 to 30 meters

Safety factor 1:7 - Using temperature up to 300°C



"MAGMA®" is a new line of textile equipment for use in extreme heat conditions.

COMPOSITION

• Aramid strap and seam threads.

ADVANTAGES

- Textile material : resists to up to 300°C.
- Excellent mechanical properties.
- Good resistance to shocks and abrasion.
- Breakage of the strap alone: 7.5 T
- Resists to cutting

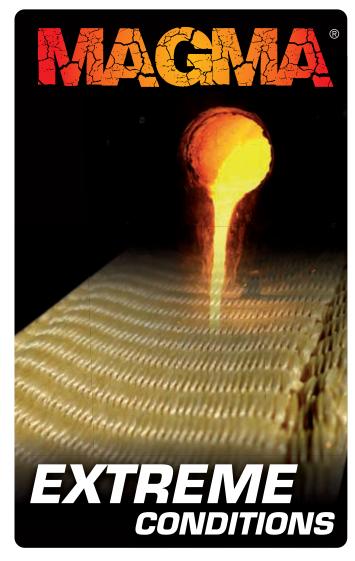
USES

- Lifting in extreme conditions (boiler work blast furnaces)
- Securing of hot parts at the end of the production line
- Part maintained at a height for welding
- Part handling for thermal treatment.

Available for many textile products.

THE ONLY SLING USABLE
IN EXTREME CONDITIONS UP TO

300°C



	Color	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW
	00101			TEELOVV	TELECVV		TLLLOVV
	WLL (tonne)	0,3	0,6	1,20	0,75	1,50	3
	Sling Type	А	В	С	А	В	С
	Width (mm)	25	25	25	50	50	50
	Thickness (mm)	3	6	12	3	6	12
	Weight 1 ST m (g)	75	150	300	200	400	800
	Weight m/l (g)	35	70	140	70	140	280
ابو	1 m	AK25/2/1	BK25/2/1	CK25/2/1	AK50/2/1	BK50/2/1	CK50/2/1
	2 m	AK25/2/2	BK25/2/2	CK25/2/2	AK50/2/2	BK50/2/2	CK50/2/2
REFERENCE	3 m	AK25/2/3	BK25/2/3	CK25/2/3	AK50/2/3	BK50/2/3	CK50/2/3
٣	Extra m	AK25/2/	BK25/2/	CK25/2/	AK50/2/	BK50/2/	CK50/2/



FLAT WEBBING SLING (category 2)

B TYPE - DOUBLE PLY - FOLDED EYE



Available from 0.5 to 10 tons, 0.5 to 30 meters and above

Safety factor 7:1 - Complying with EN 1492-1 standard



KNOW-HOW: Our production facilities can provide custom-designed slings, manufactured and tested in accordance with EN 1492-1 standards.

The length of your slings can be adjusted evenly. Our certified testing facilities can place the slings under constant load conditions or subject them to test load conditions.

PRODUCT INFORMATION :

Ideal for hook fastening.

NEW:

Special sling for the lifting of metal cladding sheets.



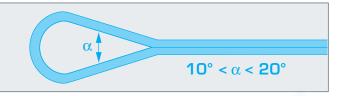




	Colour	PURPLE	OLIVE	GREEN		GREY	RED	BROWN	BLUE	ORANGE
	WLL (ton)	1	1,5	2	3	4	5	6	8	10
	Width (mm)	30	50	60	90	120	150	180	240	300
	Thickness (mm)	6	6,1	6,5	7	7	7,5	7,5	8	8
	Weight 1 m (g)	280	430	520	750	1100	1500	1900	2800	3700
	Weight m/l (g)	200	300	400	550	800	1000	1200	1700	2250
	1 m	B30/2/1	B50/2/1	B60/2/1	B90/2/1	B120/2/1	B150/2/1	B180/2/1	B240/2/1	B300/2/1
ස	2 m	B30/2/2	B50/2/2	B60/2/2	B90/2/2	B120/2/2	B150/2/2	B180/2/2	B240/2/2	B300/2/2
	3 m	B30/2/3	B50/2/3	B60/2/3	B90/2/3	B120/2/3	B150/2/3	B180/2/3	B240/2/3	B300/2/3
REFERENCE	4 m	B30/2/4	B50/2/4	B60/2/4	B90/2/4	B120/2/4	B150/2/4	B180/2/4	B240/2/4	B300/2/4
~	5 m	B30/2/5	B50/2/5	B60/2/5	B90/2/5	B120/2/5	B150/2/5	B180/2/5	B240/2/5	B300/2/5
	Additional m	B30/2/	B50/2/	B60/2/	B90/2/	B120/2/	B150/2/	B180/2/	B240/2/	B300/2/

Above 10 tons, see flat webbing sling - 4 plies (page 17)

3° DO YOU KNOW? The minimum length for the eyes is fixed by standard EN 1492-1: 3 times the width of the sling for widths up to 150mm; 2.5 times the widths of the sling for width above 150 mm. These lengths have been fixed to respect an angle usage between 10° and 20° when using the slings. An excessive eye opening angle will open the sling; on the contrary, a small eye opening angle will generate a bending stress at the lifting axis.



DON'T FORGET TO PROTECT YOUR SLINGS AGAINST SHARP EDGES WITH PROTECTIVE SLEEVES PVC sleeves Polyurethane sleeves

Polyurethane corners



FLAT WEBBING SLING (category 4) B TYPE - DOUBLE PLY

Available from 0.5 to 10 tons, 0.8 to 30 meters

Safety factor of the whole set 4:1 (the webbing safety factor is 7:1) - Complying with EN 1492-1 standard

	Colour	PURPLE	OLIVE	GREEN	YELLOW	GREY	RED	BROWN	BLUE	ORANGE
	WLL (ton)	1	1,5	2	3	4	5	6	8	10
	Width (mm)	30	50	60	90	120	150	180	240	300
	Thickness (mm)	6	6,1	6,5	7	7	7,5	7,5	8	8
	Weight 1 m (g)	650	950	1 450	2 700	3 750	6 300	7 800	13 300	17 500
	Weight m/l (g)	200	300	400	550	800	1 000	1 200	1700	2 250
	1 m	B30/4/1	B50/4/1	B60/4/1	B90/4/1	B120/4/1	B150/4/1	B180/4/1	B240/4/1	B300/4/1
щ,	2 m	B30/4/2	B50/4/2	B60/4/2	B90/4/2	B120/4/2	B150/4/2	B180/4/2	B240/4/2	B300/4/2
	3 m	B30/4/3	B50/4/3	B60/4/3	B90/4/3	B120/4/3	B150/4/3	B180/4/3	B240/4/3	B300/4/3
REFERENCE	4 m	B30/4/4	B50/4/4	B60/4/4	B90/4/4	B120/4/4	B150/4/4	B180/4/4	B240/4/4	B300/4/4
쿝	5 m	B30/4/5	B50/4/5	B60/4/5	B90/4/5	B120/4/5	B150/4/5	B180/4/5	B240/4/5	B300/4/5
_	Additional m	B30/4/	B50/4/	B60/4/	B90/4/	B120/4/	B150/4/	B180/4/	B240/4/	B300/4/



FLAT WEBBING SLING (category 5) B TYPE - DOUBLE PLY

Available from 1 to 10 tons, 1 to 30 meters

Safety factor of the whole set 4:1 (the webbing safety factor is 7:1) - Complying with EN 1492-1 standard

	Colour	PURPLE	OLIVE	GREEN	YELLOW	GREY	RED	BROWN	BLUE	ORANGE
	WLL (ton)	1	1,5	2	3	4	5	6	8	10
	Width (mm)	30	50	60	90	120	150	180	240	300
	Weight 1st m (g)	850	1 300	1 900	3 600	5 100	8 750	10 000	17 000	23 500
	Weight m/l (g)	200	300	400	550	800	1 000	1 200	1 700	2 250
	1 m	B30/5/1	B50/5/1	B60/5/1	B90/5/1	B120/5/1	B150/5/1	-	-	-
ж	2 m	B30/5/2	B50/5/2	B60/5/2	B90/5/2	B120/5/2	B150/5/2	B180/5/2	B240/5/2	B300/5/2
ä	3 m	B30/5/3	B50/5/3	B60/5/3	B90/5/3	B120/5/3	B150/5/3	B180/5/3	B240/5/3	B300/5/3
REFERENCE	4 m	B30/5/4	B50/5/4	B60/5/4	B90/5/4	B120/5/4	B150/5/4	B180/5/4	B240/5/4	B300/5/4
æ	5 m	B30/5/5	B50/5/5	B60/5/5	B90/5/5	B120/5/5	B150/5/5	B180/5/5	B240/5/5	B300/5/5
	Additional m	B30/5/	B50/5/	B60/5/	B90/5/	B120/5/	B150/5/	B180/5/	B240/5/	B300/5/



RINGS DIMENSIONS (MALE TYPE) FOR FLAT WEBBING SLINGS Category 4 and 5

REFERENCE D12M D14M D16M D18M D20M D23M D26M D28M D32M D35N WLL (ton) 2,5 5 6 8 10 1,5 2 3 4 35 12 14 16 18 20 23 | 25 | 28 | 32 Thread Ø maxi (mm) 90 120 150 180 240 300 Webbing width (mm) 30 50 60 75 30 40 82 32 40 45 55 55 60 75 D Hook passage (mm) 86 104 127 144 180 220 260 340 400 E (mm) H (mm) 64 80 100 98 119 132 185 180 202 250



Rings are available either galvanized or painted.

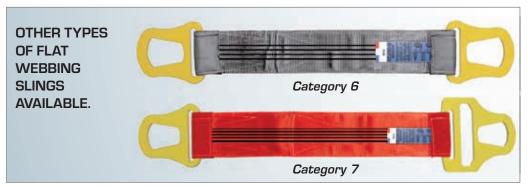
RINGS DIMENSIONS (FEMALE TYPE) FOR FLAT WEBBING SLINGS Category 5

REFERENCE	D12F	D14F	D16F	D18F	D2OF	D23F	D26F	D28F	D32F	D35F
WLL (ton)	1	1,5	2T	2,5	3	4	5	6	8	10
Thread Ø maxi (mm)	12	14	16	18	20	23	26	28	32	35
D Hook passage (mm)	35	33	40	45	50	55	65	65	70	75
E (mm)	104	124	147	178	203	245	290	345	435	495
P (mm)	25	36	46	52	56	57	82	81	91	100
H (mm)	103	139	161	181	205	215	300	285	340	385



***• INFORMATION**: The male ring slides perfectly into the female one and makes it possible to lift the load without boring or folding the sling. Rings are available either galvanized or painted.









FLAT WEBBING SLING - HIGH CAPACITY UP TO 20 TONS (Category 2) C TYPE - 4 PLIES - REINFORCED FOLDED EYE

Available from 2 to 20 tons, 3 to 30 meters

Safety factor 7:1 - Complying with EN 1492-2 standard - 100% polyester



	Reinforced folded eye								
		GREEN	GREY	BROWN	BLUE	ORANGE	ORANGE	ORANGE	ORANGE
	WLL (ton)	2	4	6	8	10	12	16	20
	Width (mm)	30	60	90	120	150	180	240	300
	Thickness (mm)	12	13	14	14	15	14	15	15
	Weight 3 m (kg)	1,10	2,20	3,30	4,80	5,50	7,50	10,00	13,50
	Weight m/l (kg)	0,40	0,80	1,10	1,60	2,00	2,40	3,40	4,50
	3 m	C30/2/3	C60/2/3	C90/2/3	C120/2/3	C150/2/3	C180/2/3	C240/2/3	C300/2/3
쁑	4 m	C30/2/4	C60/2/4	C90/2/4	C120/2/4	C150/2/4	C180/2/4	C240/2/4	C300/2/4
REFERENCE	5 m	C30/2/5	C60/2/5	C90/2/5	C120/2/5	C150/2/5	C180/2/5	C240/2/5	C300/2/5
H	6 m	C30/2/6	C60/2/6	C90/2/6	C120/2/6	C150/2/6	C180/2/6	C240/2/6	C300/2/6
	7 m	C30/2/7	C60/2/7	C90/2/7	C120/2/7	C150/2/7	C180/2/7	C240/2/7	C300/2/7

FLAT WEBBING SLING (category 4) C TYPE - 4 PLIES - 2 ROUND WIRE MALE RINGS

Available from 2 to 20 tons, 3 to 30 meters

Safety factor of the whole set 4:1 (the webbing safety factor is 7:1) - Complying with EN 1492-1 standard - 100% polyester



	Colour	GREEN	GREY	BROWN	BLUE	ORANGE	ORANGE	ORANGE	ORANGE
	WLL (ton)	2	4	6	8	10	12	16	20
	Width (mm)	30	60	90	120	150	180	240	300
	Thickness (mm)	12	13	14	14	15	14	15	15
	Weight 3 m (kg)	2,00	4,50	9,20	14,80	20,30	28,00	36,00	48,00
	Weight m/l (kg)	0,40	0,80	1,10	1,60	2,00	2,40	3,40	4,50
	3 m	C30/4/3	C60/4/3	C90/4/3	C120/4/3	C150/4/3	C180/4/3	C240/4/3	C300/4/3
벌	4 m	C30/4/4	C60/4/4	C90/4/4	C120/4/4	C150/4/4	C180/4/4	C240/4/4	C300/4/4
REFERENCE	5 m	C30/4/5	C60/4/5	C90/4/5	C120/4/5	C150/4/5	C180/4/5	C240/4/5	C300/4/5
ä	6 m	C30/4/6	C60/4/6	C90/4/6	C120/4/6	C150/4/6	C180/4/6	C240/4/6	C300/4/6
	7 m	C30/4/7	C60/4/7	C90/4/7	C120/4/7	C150/4/7	C180/4/7	C240/4/7	C300/4/7

Coating and protective sleeve in polyurethane on 1 side only is available, please contact us.







Ref. ENS

SAFETY

- Wide sling to balance and stabilize easily the pipe.
- The hoist keep the webbing perfectly straight all the way across.
- Balanced dividing up of the sling's width.

DESIGN

- Very simple and quick to put up.Polyurethane coating or spraying
- (as option) for a better protection of the pipe and the sling.

SAVING

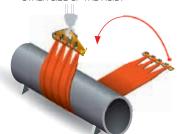
- Possibility to change the different parts separately.
- Polyurethane (as option) to increase the webbing's longevity.

A QUICK AND SIMPLE PUTTING UP

1 HANG ONE END OF THE SLING ON THE HOIST

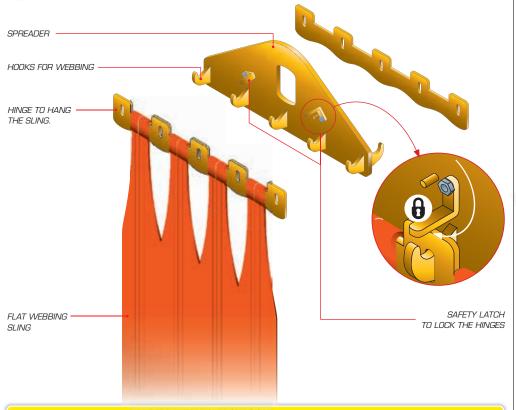


PUT THE SLING UNDER THE PIPE AND HANG THE OTHER EXTREMITY ON THE OTHER SIDE OF THE HOIST



LIFT THE WHOLE SYSTEM THANKS TO ITS WIDTH, THE WEBBING MAKES THE





Polyurethane coating (in option) avoids the repid deterioration of the webbing and increases its durability. Available for webbing width from 150 to 450 mm and any lengths.

CORRESPONDANCES BETWEEN WLL AND DIAMETER OF THE PIPES

DESIGNATION	10 - 20	30 - 40	50 - 60	70 - 80	90 - 100
WLL (ton)	20	40	60	80	100
Number of hooks	2	3	4	5	6
Webbing width (mm)	300	600	900	1200	1500
Ø pipe in inches (= 25,4 mm)	6 to 12	20 to 24	30 to 36	42 to 48	> 50
Standard effective working length (m)	5,20	5,20	5,20	5,20	5,20

Other capacities upon request. Custom length possible, contact-us.

Pipeline building >>>>>> Traceability **CHOKER BELT** on each dismantled part The choker allows to hold strongly the pipe which will not slide, for a safer lifting operation. The choker allows to handle, push and pull the pipe with SPREAD WITTH POLYURETHANE PROTECTION more accuracy. HOOK AND ITS SUPPORT The wire rope slings used for lifting the choker can be replaced with textile round slings in order to ligh-MOVING PART OF ten the lifting device or chain slings THE SPREADER for a more flexible use. EYES FITTED WITH THIMBLE AND REINFORCED FERRULE LOWER WIRE ROPE SLING VITH POLYURETHANE PROTECTION Ref. CHO

SAFETY

- Riskless installation of the lifting system.
- High resisting design without supporting welding.
- Reduction of accident at

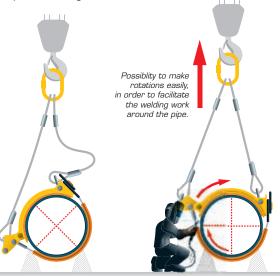




• Easy and quick installation.

for a precise handling.

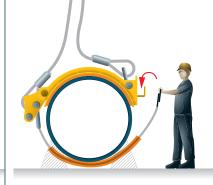
- Automatic tightening, perfect hooping : no damage on the pipe.
- Easy guidance during the handling operation. Allow to make a rotation of the pipe





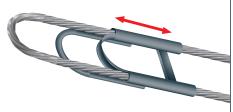
2 - Rotation

- 1 choker, 1 operator, depending on the length of the pipe.
 - Long-term investment :
 - High resisting materials.
 - Possibility to change some components.



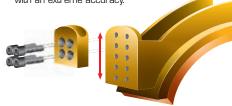
SAFETY CONTROL

• The handle can be opened to allow a visual control of the wire rope (Option).



ADJUSTMENT OF PRECISION

• In order to fit the exact size of the pipe, the locking system can be adjusted with an extreme accuracy.



DOUBLE CONTACT SURFACE

• It is possible to attach together 2 chokers with the same properties in order to increase the contact surface with the pipe.



CORRESPONDANCES RETWEEN WILL AND DIAMETER OF THE PIPES

00::::20: 0::27:::1020 22::112																	
DESIGNATION	12	14	16	18	20	24	28	30	32	34	36	40	42	44	48	56	64
WLL (ton)	4	4	4	4	4	8	8	8	8	8	8	10	10	10	13	13	13
Ø pipe (mm)	305	355	406	457	508	610	711	762	812	864	914	1016	1067	1118	1219	1422	1625
Ø pipe in inches (= 25.4 mm)	12	14	16	18	20	24	28	30	32	34	36	40	42	44	48	56	64

Other capacities upon request.



POLYURETHANE PRODUCTION

100% Made in France

For 25 years, we have invested without limit in all fields related to safety. Undoubtedly, polyurethane is one of the most resistant materials when lifting and lashing slings are used for the handling of sharp and cut edged products.

Today, we are one of the leading companies in our market regarding the quality of our products and our reactivity.

Our stock of two-sided protective sleeves enables PMS to ensure all orders quickly and efficiently within 48 hours.

In the following pages, we would like to highlight the various possibilities PMS offers for load and sling protections made of polyurethane. Our know-how in the field of polyurethane production is recognized worldwide among professionals.



Let our Engineering Department studies your requirements; we commit ourselves to providing answers in a short deadline.



M Production process of a double side POLYSAFE polyurethane sleeve.



REACTIVITY

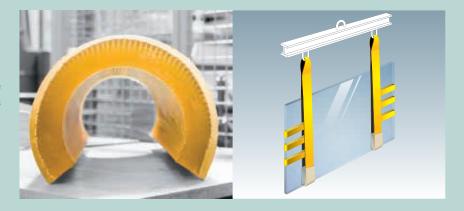
A stock of double side protective polyurethane sleeves ensures orders are delivered promptly. This stock enables us to manufacture very quickly all other products with a polyurethane coating.

M An endless, coated flat webbing sling.



Our research and development team studies the adapted solution for your project, then makes the custom designed polyurethane pieces.

Custom designed mould intended for polyurethane manufacturing.







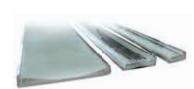


POLYSAFE SLEEVES

1 side (FP1) or double side (FP2) polyurethane protective sleeve Appropriate solutions for arduous handling operations

Ref: FP1

Ref : FP2





The sliding sleeve enables to reach the right position of the sling without surges.

- High structural resistance
- 2 High wear and cut resistance
- 3 Perfect protection for all textile slings
- 4 Appropriate elasticity
- 5 Avoids sliding of loads
- 6 Appropriate in chemical environments

- ▶ POLYSAFE polyurethane sleeves efficiently protect the lifting slings, straps and wire ropes while handling sharp and cut edged loads.
- ▶ POLYSAFE sleeves are made of transparent polyurethane elastomer specifically

resistant to wear and shear when the thickness is equal or above 5 mm. POLYSAFE sleeves are the perfect solutions for the protection of webbing slings. The inner surface is made of a textile sleeve that enables easily introduction and protects the webbing. For even more protection, the

sleeve structure can include steel wires. Thanks to its excellent adherence properties in case of slippery surface, the POLY-SAFE sleeves avoid the sliding of slings. Very efficient in the most extreme operating conditions, using POLYSAFE sleeves will enhance the slings' life.

Ref. FP1 SLEEVE 1 SIDE	Ref. FP2 SLEEVE 2 SIDES	Total width A mm	Inner width B mm	Inner height C mm	Sleeve thickness D mm	For max. sling width mm	1 side weight kg/ml	2 sides weight kg/ ml
30	30	50	35	10	5	30	0,60	1
50	50	70	55	10	5	50	0,80	1,30
60	60	80	65	12	5	60	0,90	1,45
75	75	95	80	12	5	75	1	1,70
90	90	110	100	12	5	90	1,05	1,90
100	100	120	110	12	5	100	1,25	2,05
120	120	145	130	12	5	120	1,45	2,40
150	150	170	160	12	5	150	1,70	2,50
180	180	200	190	12	5	180	1,90	3,20
240	240	270	250	20	8	240	3,80	6,30
300	300	330	320	20	8	300	4,85	8,05

Standard length: 4 or 5 meters. Any other non-standard length available up to 6 meters maximum.

Physical properties: A-shore-hardness: 80 ± 5 (DIN 53505) - Coefficient of elongation: 500% (DIN 53504) - Tear resistance: 75 N/mm (DIN 53515) - Abrasion: 55 mm^3 (DIN 53516). *Values given for indication only, subject to modifications.*





POLYSAFE COATINGS

Perfect protection during the handling of your fragile loads

Slings coated with polyurethane in accordance with EN 1492-1 standard and complying with the amended machine directive 2006/42/CE – Safety factor 7:1

Ref: EP1

Ref: EP2





The POLYSAFE polyurethane coating enhances the slings' life while handling loads that can slip easily such as ducts and pipes.

POLYSAFE polyurethane coating is applied on a single side or both sides of slings up to 300 mm width. POLYSAFE coatings are processed on any kind of sling – with or without rings – on their whole length if required.

A POLYSAFE coating on both sides brings perfect protection against liquids. Thanks to its

adherence properties, the POLYSAFE coating is recommended for the handling of loads which can slip easily, such as ducts and pipes. The POLYSAFE coating increases the protection of fragile loads (stainless steel ducts and pipes, etc.).

Ref. EP1 COATING 1 SIDE	Ref. EP2 COATING 2 SIDES	Sling width mm	Total width A mm	Polyurethane thickness D mm	Polyurethane weight 1 side kg/ml	Polyurethane weight 2 sides kg/ml
30	30	30	40	5	0,75	1,20
50	50	50	60	5	0,90	1,50
60	60	60	70	5	0,95	1,60
75	75	75	85	5	1	1,65
90	90	90	100	5	1,15	1,90
120	120	120	130	6	1,50	2,20
150	150	150	160	6	1,85	2,85
180	180	180	190	8	2,60	3,95
240	240	240	260	8	4,40	5
300	300	300	320	8	5,50	7,80

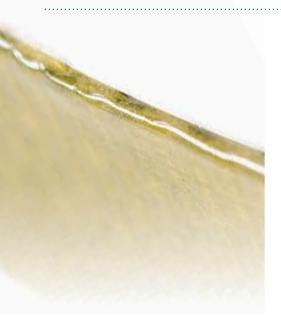
Physical properties: A-shore-hardness: 80 ± 5 (DIN 53505) - Coefficient of elongation: 500% (DIN 53504) - Tear resistance: 75 N/mm (DIN 53515) - Abrasion: 55 mm^3 (DIN 53516). *Values given for indication only, subject to modifications.*

8º IMPORTANT: The coating is usually applied on the whole surface of the sling (except eyes). For any other specific coatings, please contact us.





POLYSPRAY®



POLYURETHANE PROJECTION

The polyurethane spray deposits a thin layer on the surface to protect. When sprayed onto textile straps, this significantly extends the strap's service life while maintaining its flexibility and lightness to use.



Textile with sprayed polyurethane keeps most of its flexibility



In order to maintain maximum textile flexibility, we are now able to apply a coat of clear polyurethane on our products of a thickness varying from a few tenths of a millimetre to

The colour and eventual markings on the strap remain visible.





In order to highlight the enhanced friction resistance, we carried out abrasion tests as per the

We carried out 4000 abrasion cycles using a threaded hexagonal bar on polyurethane coated

Cycle nb	Product appearance	Breakage strength
After 2000 cycles	No alteration	100%
After 3000 cycles	The polyurethane coating whitens	100%
After 4000 cycles	The polyurethane coating starts to separate	96%

Considering that the same strap without polyurethane protection has only 66% remaining

These tests prove that the application of this polyurethane spray significantly increases







POLY-CAL®

Advanced technology combined with original design

Safety factor 5:1

Ref: POLY-CAL

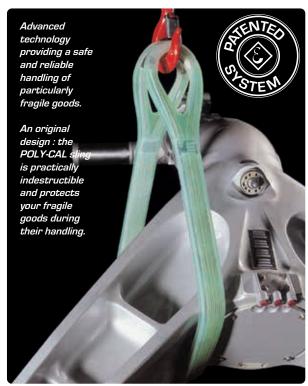


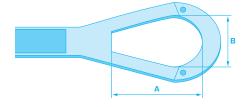
The POLY-CAL sling is made of a single wire rope. Each end includes a thimble loop which protects the wire rope from premature wear. This loop makes the positioning of the sling on the hook easier. The POLY-CAL sling is wholly coated with high quality polyurethane.

A POLY-CAL® sling provides full protection to fragile loads and never damages the loads during their handling.

POLY-CAL SAFETY MEANS:

- Safety factor tested on certified and approved testing facilities
- ► Easy inspection of the sling's condition as polyurethane is transparent
- No risk of jabbing for users
- No failures due to laceration
- Possible alternate use on both sides of the sling





The POLY-CAL® patented slings resist :

- ▶ Cut edged shapes
- ▶ Punching
- ▶ Abrasion
- ▶ Shearing
- ▶ Chemicals
- ▶ Large variations of temperatures

A POLY-CAL[®] sling is :

- ▶ Sea waterproof
- ▶ Insulating
- ▶ Extra flat
- ▶ Slide easily under loads
- ▶ Flexible
- ▶ Easy to handle

Designation	WLL	Length	Width		Size mm		Weight
, in the second second	kg	m	mm	Thickness	А	В	kg
1500/1.5	1 500	1,5	50	15	122	70	2,7
1500/2	1 500	2	50	15	122	70	3,6
1500/2.5	1 500	2,5	50	15	122	70	4,5
1500/3	1 500	3	50	15	122	70	5,4
1500/4	1 500	4	50	15	122	70	7,2
1500/4.5	1 500	4,5	50	15	122	70	8,1
1500/5	1 500	5	50	15	122	70	9
1500/6	1 500	6	50	15	122	70	10,8
1500/6.5	1 500	6,5	50	15	122	70	11,7
1500/7	1 500	7	50	15	122	70	12,6
1500/8	1 500	8	50	15	122	70	14,4
1500/8.5	1 500	8,5	50	15	122	70	15,3
2500/2	2 500	2	60	20	160	72	5,6
2500/2.5	2 500	2,5	60	20	160	72	7,5
2500/3	2 500	3	60	20	160	72	8,9
2500/4	2 500	4	60	20	160	72	11,7
2500/4.5	2 500	4,5	60	20	160	72	13,1
2500/5	2 500	5	60	20	160	72	14,5
2500/6	2 500	6	60	20	160	72	17,3
2500/6.5	2 500	6,5	60	20	160	72	18,7
2500/8	2 500	8	60	20	160	72	22,9
5000/2.5	5 000	2,5	100	20	160	72	12,5
5000/4	5 000	4	100	20	160	72	20
5000/6	5 000	6	100	20	160	72	30
5000/8	5 000	8	100	20	160	72	40
10000/4	10 000	4	130	25	195	90	36
10000/6	10 000	6	130	25	195	90	54
10000/8	10 000	8	130	25	195	90	72

Chemical features

- High resistance to chemicals,
- ▶ High resistance to saline mist and aging (always remains transparent which enables visual control of the wire rope belt),
- ▶ The temperature range is from -30°C up to +70°C.





POLYNAPPE

The appropriate solution for the handling of delicate products

Safety factor 5:1

Ref: POLYNAPPE



PRODUCT INFORMATION: As no mould is necessary for its production, the POLYNAPPE sling can be custom-designed on simple request.

POLYNAPPE sling combines flexibility and resistance and is made of a set of 14 hawsers of steel cable and coated over with polyurethan. Manufactured from one single rope, each end is made of a wire rope loop (steel cable strope type) and coated with polyurethane for its protection.



POLYNAPPE/FP2

Specifically designed for the handling of heavy and sharp edged loads

From 2.5 to 11 tons, different length on request

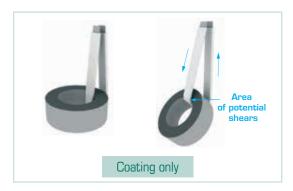
Safety factor 5:1

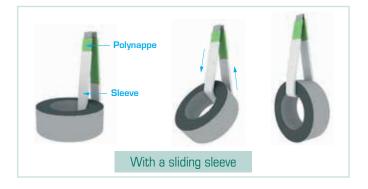
Ref : POLYNAPPE/FP2



THE POLYNAPPE/FP2

sling is highly recommended for the handling of coils.

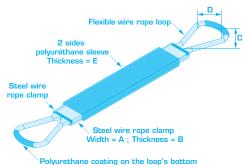




The POLYNAPPE sling is fitted with a sliding sleeve made of polyurethane specifically appropriate for the lifting of coils (see drawing on the right). The risk of shears and damage is almost avoided during the lifting operation: the sliding sleeve enables to

easily position the sling and leads to perfect tensioning. In the case of lifting without a sliding polyurethane sleeve, the risk of shears and damage is higher (see drawing on the left: Area of potential shears).

Designation	WLL	Wire diam.	Dime	Dimensions mm (approximate values)					
Designation	kg	mm	А	В	С	D	E	kg/ml	
01	2 500	4	66	14	190	90	22	2,40	
02	4 000	5	80	15	230	110	25	3,25	
03	6 000	6	94	16	240	115	28	4,10	
04	7 000	7	108	17	290	140	31	5,10	
05	9 000	8	122	18	340	165	34	6,30	
06	11 000	9	136	19	390	190	37	7,40	







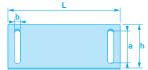
POLYSAFE EDGES PROTECTIONS

- 1 Protection of lashing systems, chains and wire ropes
- 2 Balanced repartition of the load

- Easy handling thanks to the magnets
- Longevity enhancement
- Used both for lifting and lashing purposes

Ref : DF





POLYSAFE protection keepers are used when the edges of goods to be handled have to be protected, as well as to protect the slings themselves. The POLYSAFE protection keeper has been designed to position the sling easily and safely without damaging the loads (the sling slides in the protection keeper, avoiding direct friction with the load). All dimensions are available according to your requirements. To guarantee efficient protection and shear resistance, the minimum thickness of the POLYSAFE protection keeper is 4 mm.

Designation	L mm	h mm	a mm	b mm	For lifting sling width in mm	For lashing sling width in mm	For round sling tons
25	250	55	30	10	25	25	-
35	250	65	35	10	30	30	-
55	225	80	55	10	-	50	-
60	450	90	60	30	50	-	1 to 2
70	450	110	70	30	60	-	-
80	450	120	80	30	65/75	75	3
90	470	130	90	40	80	-	4
130	470	175	135	40	120	-	8
160	470	210	160	40	150	-	-

Ref: CPUF

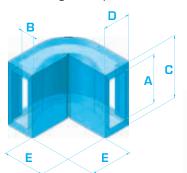
With upper spline.



Ref : CPU

For a bigger opening it is possible to cut the spline.

The width is made to accept polyurethane coated slings or slings with protection sleeves.











Ref.	with spline	with magnets	dimensions	A mm	B mm	C mm	D mm	E mm		ht Kg with magnets	Magnets
CPU	F	A	70	70	30	100	60	90	0,95	1,15	2
CPU	F	A	90	95	30	125	60	90	1,15	1,55	4
CPU	F	A	150	155	30	185	60	90	1,55	1,95	4
CPU	F	A	245	250	30	280	60	90	2,2	2,8	6
CPU	F	A	330	335	30	365	60	90	2,8	3,5	6







LASHING



Standards - Infos - Advices	28 - 29
Chain lashing systems	30
Textile lashing systems	30 - 40
Interior fittings	40 - 41
Towing slings - Special straps for tents	42



EN 12 195-2 STANDARD

The European Committee of Normalization (CEN) have agreed and decided that lashing devices shall be manufactured according to the European Standard for lashing EN-12195-2. This standard provides the user with all information as regards to the products itself and its follow up which is similar to the regulation applied to lifting equipment.

Features :

▶ **WLL or LC:** Working Load Limit (WLL) or Lashing Capacity (LC) = Maximum direct tensile strength which a lashing device can withstand when used.

> Safety factor :

- ≥ 2 times for the complete system,
- ≥ 2 times for fittings,
- ▶ 3 times for non woven webbing.
- ▶ **Test:** hooks and accessories including the lashing devices must not show any signs of deformation likely to affect their performance at a LC of 1,25; they must also withstand a safety factor of at least 2.
- ▶ **Elongation :** The webbing must not elongate more than 7% when subjected to the LC.

Product description and ordering:

The description of lashing systems must include all the following information :

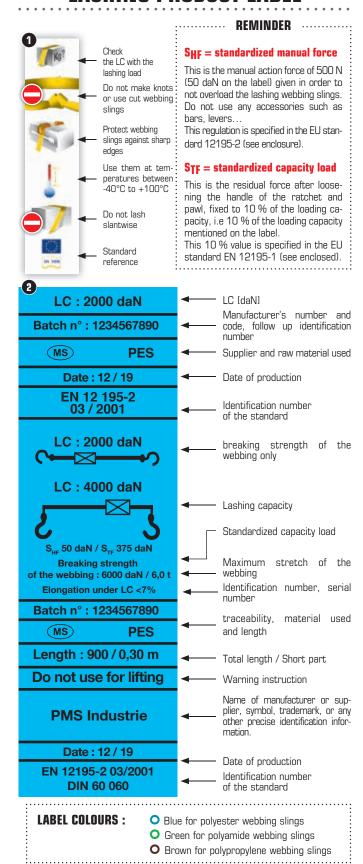
- \blacktriangleright the type of lashing device represented with its reference :
 - Done part system (endless),
 - > Two parts (short part and long part),
- ▶ Reference of type, according to the manufacturer,
- ▶ Working Load Limit (WLL) in daN,
- Length of the short part in meters,
- ▶ Total length (L) in meters,
- ▶ Reference to this standard.

Marking:

End fittings, buckles, tensioning devices and load indicators must at least bear the name or the symbol of their manufacturer or supplier.

Each complete set of products or subset, in case components have to be separated, must bear the following information on a tag.

LASHING PRODUCT LABEL



Design label registred, Reproduction forbidden without authorization.

Lashing systems operation instructions available on request and at www.pms-ind.com



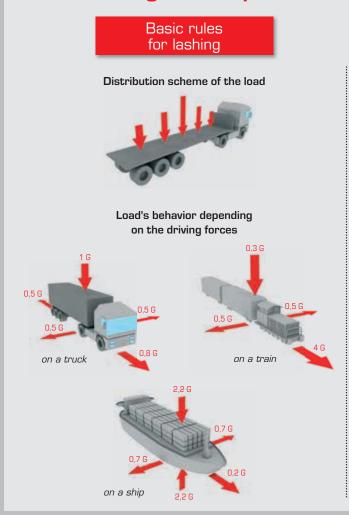


>> Which load capacity (LC) for which lashing systems?

Direct tension (daN)	Webbing width (mm)	LC of the system (daN)	Doubled tension	Breaking strength of the webbing only (daN)	Standard length (m)
LC 5 000 daN	75	5 000	10 000	15 000	9,10
LC 3 500 daN	75	3 500	7 000	11 000	9, 10
LC 2 500 daN	50	2 500	5 000	7 500	8, 9, 10
LC 2 000 daN	50	2 000	4 000	6 000	8, 9, 10
LC 800 daN	45	800	1 600	3 000	4, 5, 6
LC 1000 daN	35	1000	2 000	3 200	6, 7
LC 400 daN	25	400	800	1 200	4, 5, 6

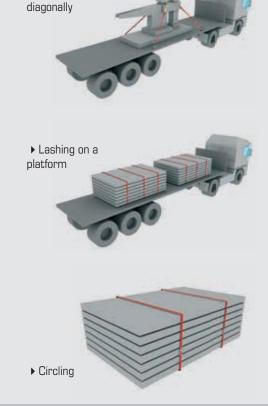
A lashing system is made of a webbing sewed and metallic parts. A lashing strap refers only to the strap itself so not sewn.

Lashing in complete safety





▶ Lashing angled or



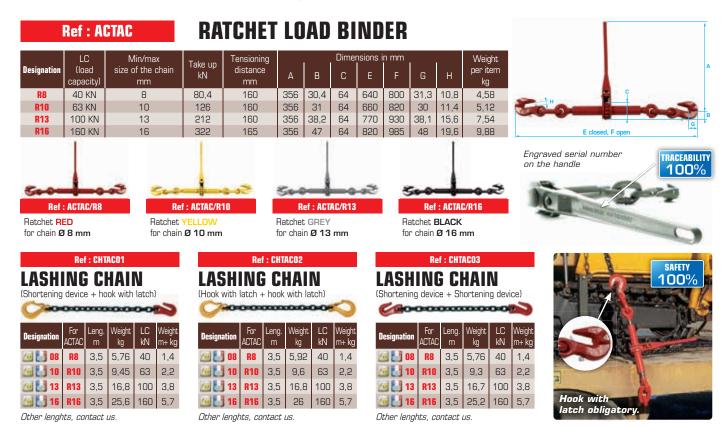






CHAIN LASHING SYSTEM

Complies with EN 12 195-3 standard



LASHING SYSTEMS - LC 5 000 daN - 15 tons* FOR VEHICLE CARRIER - HEAVY DUTY LASHING SYSTEMS

Webbing 75 mm width - Ratchet with secured opening (breaking strength of the webbing only: 15 Tons)

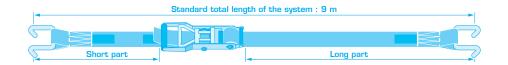
Complying with EN 12195-2 standard





LASHING SYSTEMS - LC 2 500 daN - 7.5 tons* WITH AN ERGONOMIC RATCHET FEATURING A PROGRESSIVE RELEASE

Webbing 50 mm width - Ratchet with secured opening, high performance (*breaking strength of the webbing only: 7.5 tons) - Complying with EN 12195-2 standard





Ref: 811ALL2,5/1065

3 130 q Weight / 9 m Weight / m + 130 g



Ref: 811ALL2,5/1006

Weight / 9 m 3 195 q Weight / m + 130 g



Ref: 811ALL2,5/1014

Weight / 9 m 3 640 q Weight / m + 130 g





NOTICE: A standardized lashing system is a safe lashing system.

TECHNICAL FEATURES

▶ Marking

▶ Customized length upon request

▶ Polyester

▶ Traceability

▶ EAN13 bar code labelling

▶ Colour : Orange, Blue



Ref: 811 ALL

SAFETY

Increasing the safety and enhancing the life of your lashing system is possible thanks to the polyurethane protection keepers we propose at a special price all year. Our offer includes 2 polyurethane protection keepers fitted on the long part for all our lashing systems of 50 mm and 75 mm width. Consult us for more information.



ADVICE: If you have sharp edges, remember to protect your lashing systems. Your safety depends on the correct use of these equipments.

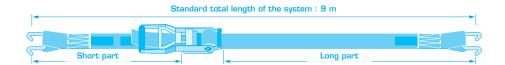
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ERGOTRUCK° LC 2 500 daN WITH ERGONOMICAL RATCHET, LONG HANDLE

Webbing 50 mm width - Ratchet with secured opening, high performance (Breaking strength of the webbing only 7,5 t or 7500 daN) - Complies with the EN 12 195-2 standard





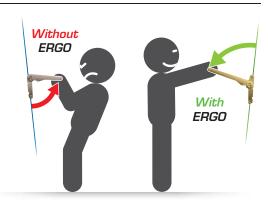


HANDLE +30% The ERGOTRUCK

tensioner handle is 30%

Ideal for loads requiring tight holding: building materials, steel, etc.

INCREASES TIGHTENING and makes



ACCORDANCE

Users no longer need to use a lever to increase the force on the tensioner (prohibited by the EN 12195-2 standard).

HEALTH

The user's back is no longer subject to major stress, they press the handle using their body weight. Limits MSD (Muscular-Skeletal Disorders).



XXL HANDLE

Handle length increased by +30%, ideal to multiply the effortless tightening force tenfold.

CHARACTERISTICS

STRAP WIDTH 50 MM STRAP BREAKAGE 7,5 T LC 2500 daN

- Working length 9 m 2 parts
- Reversed ergonomic tensioner

EN 12195-2 compliant

-> 2500 daN

_ √ 5000 daN









LASHING SYSTEMS - LC 2 500 daN - 7,5 tons* HEAVY TRUCK

Webbing 50 mm width - Ratchet with secured opening (*breaking strength of the webbing only: 7,5 Tons or 7500 daN) - Complying with EN 12195-2 standard

1 / DOUBLE POLYURETHANE SLEEVES



The 2 polyurethane protections preserve the strap and the load during transport.

THE SLEEVES PROTECT the strap and the load, which will not be marked by the textile.



2 / PROGRESSIVE RELEASE



Before removing the bracing to unload, it is essential to check the stability of the load in order to prevent accidents.

UNLOCKING WITH PROGRESSIVE RELEASE



The tensioner's gradual notch by notch release makes it possible to make unloading safer and to adjust its stability when necessary.



Weight / 9 m 2 300 g Weight / m + 130 g



Ref. 8	Ref. 811DP/1006					
Weight / 9 m	2 775 g					
Weight / m +	130 g					



Ref. 811DP/1065	
Weight / 9 m	2 710 g
Weight / m +	130 g

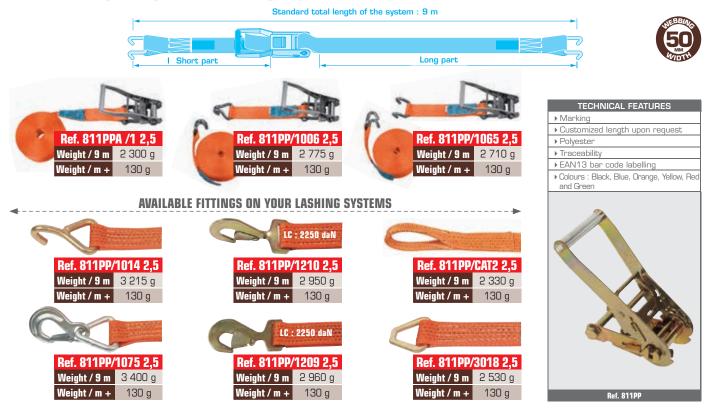
>>>>>>>>>



LASHING SYSTEMS - LC 2 500 daN - 7,5 tons* HEAVY TRUCK

Webbing 50 mm width - Ratchet with secured opening

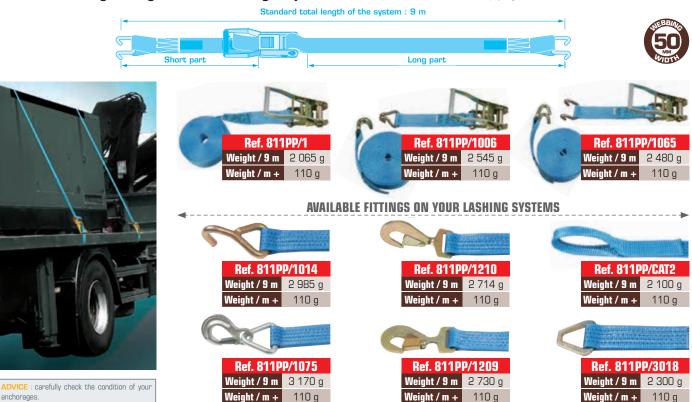
(*breaking strength of the webbing only: 7,5 Tons or 7500 daN) - Complying with EN 12195-2 standard



LASHING SYSTEMS - LC 2 000 daN - 6 tons* HEAVY TRUCK

Webbing 50 mm width - Ratchet with secured opening

(*breaking strength of the webbing only: 6 Tons or 6000 daN) - Complying with EN 12195-2 standard









TENSO" LC 2 000 daN - 6 T* 1ST ANCHORING SYSTEM WITH AUTOMATIC TENSION RECOVERY

Webbing 50 mm width - Ratchet with secured opening, high performance (*breaking strength of the webbing only: 6 t or 6000 daN) - Complies with the EN 12 195-2 standard







PMS Industrie has innovated and developed the **TENSO**®, a patented anchoring system fitted with a tension accumulator.

The **TENSO®** compensates losses in tension due to transport conditions (braking, bends in the road, vibrations caused by deteriorated road surfaces...) that can be the cause of traffic accidents.





TENELOS

The anchoring that keeps tight

With TENSO®, the lashing system is always stretched!



Long part

Ref: TENSO2 90030R DF





Ref: TENSO1 90030R DF

Weight / 9 m

2680 g

Weight / 9 m

2740 g

Length 9 m
2 polyurethane
protections
Opened wire hooks









CHARACTERISTICS



Tension accumulator : 100% polyurethane with "shape memory" effect. Hardness : 80

Shore A



Progressive release tightener.



Two polyurethane protections for maximum safety.



100% Polyester strap with maximum 4% stretch



Tips : fastening systems for all situations.



Traceability label with a unique identification number.



System given for a minimum of 15000 cycles of







SELF RETRACTABLE LASHING SYSTEMS

Webbing 25 to 50 mm width - Complying with EN 12195-2 standard







Packing by 1 pc

any scratches, damages.



AUTOMATIC WINDING to save time







🚗 300 daN 📤 600 daN

Webbing width: 25 mm

Effective working length: 3 m

Hooks coated with PVC for a safe loading without any scratches, damages.

Packing by 2 pcs

Ref. SYA-RETRAC-25-1202-3M



→ 300 daN → 600 daN Webbing width: 25 mm

Effective working length: 3 m

Closed wire hooks or opened wire hooks

Packing by 1 pc

Ref. SYA-RETRAC-25-1002-3M

SAFETY

- Fast and easy donning : avoid the fixing mistakes caused by the ratchet.
- The width of the webbing avoids any risk of knots or torsion.
- Step tightening and releasing.
- The webbing doesn't drag on the ground.
 It is protected so the lifespan is increased.



ERGONOMY

- Just a small press on the red button and the webbing is rolled
- The short and long part are joined so no need to look for the different parts.
- Fast and easy storage.



Optimized storage for saving time on the next using.



EASY AND QUICK SETUP



>>>>>>>>>



STRAP CONTROL - A COMMUNICATING SYSTEM FOR THE MONITORING OF ANCHOR SYSTEMS

Strap Control is a major innovation in securing transported goods. The system immediately warns the driver of any risks of falling loads or lost goods.

PMS Industrie has innovated and developed the patented "Strap Control" system used to monitor anchor systems and immediately warn the driver of any risk relative to strap tightness.





Ref: EWIETTEUR STRAP

Ref: RECEPTEUR STRAP

Sensor, locked on the strap.

Receiver placed in the field of view of the driver

CONTENT OF THE INITIAL KIT

Elements included to monitor 2 anchor systems: 2 emitters, 1 receiver, 1 charger for cigarette lighter, USB cable, instruction manual.





Ref : STRAP CONTROL 2 Case weight

Other possible kits, contact us.



CHARACTERISTICS

- ▶ Controls up to 18 anchor systems simultaneously.
- ▶ Immediate visual and sound alarm in case of any problem on the anchor system tension.
- Identification of the element at risk or having an anomaly.
- The system is fitted to any 50 mm wide anchor strap.
- ▶ Quick and easy to install.
- Possibility to be compatible with the onboard computing system.
- ▶ Possible compatibility with embarked data system.

USEFUL TO KNOW

- Every year over10000 accidents are caused by anchor defects representing a cost of 500 million euros (Source FFSA: Fédération francaise des sociétés d'assurance).
- For transport of less than 3 tonnes the transporter is liable for the anchoring in the event of an accident: in excess of 3 tons the shipper is liable.
- \bullet An average anchor system related fine costs 600 euros.

WORKING PRINCIPLE

Strap Control has two elements :

- ▶ An emitter located on the anchoring monitors its tension.
- ► A receiver immediately informs the driver of any anomaly.
- ▶ These two elements are autonomous and independent of the vehicle (power and electronic systems).



During the transport, the lashing systems lose tension (road degradation, emergency braking).



Immediate warning of the driver in cabin during the transport.



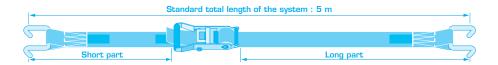
The driver has to stop, check and tight the identified lashing system.

>>>>>>>>>



LASHING SYSTEMS - LC 1000 daN - 3.2 tons* **SMALL BUSINESS**

Webbing 35 mm width - Ratchet with secured opening or tensioning strap buckle (breaking strength of the webbing only: 3.2 tons) - Complying with EN 12195-2 standard















LC: 400 daN

TECHNICAL FEATURES
▶ Marking
▶ Customized length upon request
▶ Polyester
▶ Traceability
▶ EAN13 bar code labelling
▶ Colours : Black, Blue, Orange, Red, Yellow, White, Green or others upon request

ADVICE: Prior to the use of your lashing systems, carefully check their condition.













Ref : 917/1	
Weight / 5 m	720 g
Weight / m +	80 g
2	









LASHING SYSTEMS - LC 400 daN - 1.2 tons* **LEISURE ACTIVITIES - TOURISM**

Webbing 25 mm width - Ratchet or tensioning strap buckle

(breaking strength of the webbing only: 1.2 tons) - Complying with EN 12195-2 standard Colours : Blue, Orange, Red, Green, Yellow or others upon request

















Ref: 906/1002

Ref: 906/1



Ref: 909/1

Weight / 5 m

515 g

Ref : 909/1002	
Weight / 5 m	620 a



LC: 125 daN

Ref: 803/1202

330 g

Weight / 5 m



Weight / 5 m	620 g
Weight / m +	25 g
0	

1	

Ref : 90	6/1017	Ref : 90	19/1017
Weight / 5 m	610 g	Weight / 5 m	790 g
Weight / m +	25 g	Weight / m +	25 g



Webbing 25 mm width

Tensioning strap buckle LC 350 daN

Webbing 35 mm width

LC 800 daN



LC: 125 daN



Plastic coated hooks avoid all the risks



LC: 250 daN



A standardized lashing system is a safe lashing system.

>>>>>>>>>







STAINLESS STEEL LASHING SYSTEMS FOR YACHTING ACTIVITIES

Webbing 50, 35 and 25 mm width - Standard lengths: 9 and 5 meters

Complying with EN 12195-2 standard





Ref : 811PPI-1006I	
Width	50 mm
Weight / 9 m	2 657 g

110 g

Weight / m +











LASHING SYSTEMS FOR CARS CAR AND TRUCK TIE DOWN ON FLAT BED TRAILER

Webbing 50 and 35 mm width - Standard lengths: 2.30 and 2.50 meters - Complying with EN 12195-2 standard



Ref: 811PP/3 1006M

Width	50 mm
Weight / 2,3 m	2 600 g
Weight / m +	110 g







Ref : 908/2 1014/1J

Width	35 mm
Weight / 2,3 m	1 823 g
Weight / m +	85 g



Ref: 910/3J Width 50 mm Weight / 2,3 m 2618 g Weight / m + 110 g



Ref : 908/3J

Width	35 mm
Weight / 2,3 m	1 973 g
Weight / m +	85 q



Ref: 910/3 1006

Width	50 mm
Weight / 2,3 m	2 330 g
Weight / m +	110 g





*** INFORMATION** : As well as our entire product range, we can provide custom designed lashing systems.

TELESCOPIC BARS : CARGO CONTROL TRACKS AND LASHING END FITTINGS

Cargo control tracks used to Ref: 1806

Adjustable system from 2.15 to 2.70 meters to secure the loads inside trucks fitted with specific cargo control tracks.

Ref : 1811							
Length	Length 2.21 to 2.59 m						
Weight	Weight 7 500 g						

3 m Length Thickness 2 mm Weight 5 000 g

Ref: 3009 3 m Length 2 mm

Weight 6 400 g

support telescopic bars and the inner lashing systems fitted with hooks 1005 and 1827.



Universal cargo control tracks, to be used with the hooks 1826.







Ref: 1826









KARGO KEEPER



To be fixed between the walls in case cargo control tracks are not available, for securing your loads vertically or horizontally.

Ref: 1867WS 5 700 g Weight

Stainless steel version Please contact us.

In case cargo control tracks are not available, the tensioning mechanism fitted with a spring enables to secure the loads by adjusting the length of the kargo keeper and holding both walls of the vehicle. The standard length is appropriate for wagon whose inner width is ranging from 2.35 m and 2.70 meters.

SPLITTING HOOPS FOR KARGO KEEPER



Increase the supporting area

Ref : 1867HP					
Length 1 760 mm					
Splitting hoops diameter 25 mm					
Weight	4 100 g				

DECKING / SHORING BEAM AND BRACKETS

For assembling additional loading platforms



Appropriate for wagon whose inner width ranges from 2.31 to 2.53 meters. Frame made of high grade aluminium.

Ref: 1845

Ref: 1804



Brackets



Fit into cargo control tracks Ref.3009 and 1806.

SHORE FOR TAUTLINER



- We recommend the shore for tautliner trailers for the following reasons:
- Trailer loadings are more and more massive,
- Roads with roundabouts can increase the risks of damaging the goods,
- The goods can be strewn due to unloading by the side,
- Safety controls are more and more frequent regarding the securement of the goods.
- Main advantages of the shore for tautliner trailers :
- Very easy to set up,
- Its whole body is in contact with the load,
- Made of aluminium, its weight is very light without compromising its resistance,
- Ideal for bundling the load,
- Adjustable clips for any board thickness,
- Two versions: fixed length (2.48m / 7.5kg) and adjustable length,
- Competitive solution.







TOWING SLING GRIZZLY - EXTREME CAPACITY







Ref : GRIZZLYREM/...

*Canacity above contact us







Ref: EREM **Rated capacity** from 7 to 50 t 4 m Length 12 200 a

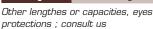
Other lengthes or capacities, eyes protections ; consult us



Available options : other length and available, leather protection, contact us

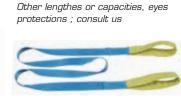
TOWING SLINGS FOR OFFROAD VEHICLES











Ref: 600/1R

from 2 to 15 t

7.5 m

1 370 g

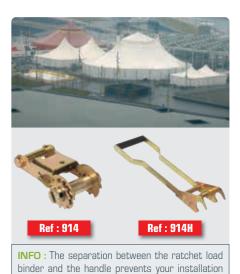
Rated capacity

Length

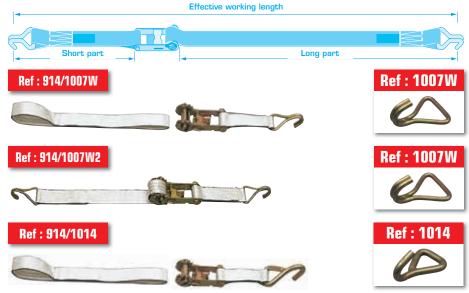


SPECIAL STRAPS FOR TENTS LC 1500 daN

Webbing 50 mm width - Length upon request



from any malicious act.



STEEL LIFTING



Wire rope slings	. 44	- 46
Chain eling		46







WIRE ROPE SLING 1 LEG - BARE EYES - ALUMINIUM FERRULE

Complying with EN 13414-1 standard



WIRE ROPE SLING 1 LEG - EYES FITTED WITH THIMBLE - ALUMINIUM FERRULE

Factor M1 Factor M2

Complying with EN 13414-1 standard

Model	Wire rope diameter mm	WLL in kg Factor M = 1	WLL in kg Factor M = 2	Thimbles passage mm		/ Weight mension kg	Weight m + kg
06	6	380	760	26 x 18	1	0,270	0,125
08	8	700	1 400	32 x 22	1	0,370	0,231
09	9	850	1 700	38 x 27	1	0,480	0,292
10	10	1 050	2 100	38 x 27	1	0,600	0,361
11	11	1 300	2 600	48 x 32	2	1,300	0,437
12	12	1 550	3 100	48 x 32	2	1,500	0,520
13	13	1 800	3 600	63 x 40	2	1,900	0,610
14	14	2 120	4 240	63 x 40	2	2,200	0,708
16	16	2 700	5 400	68 x 45	2	3,000	0,924
18	18	3 400	6 800	75 x 48	2	3,900	1,170
20	20	4 350	8 700	77 x 52	2	4,900	1,444

Galvanized steel - WLL defined on a fiber core basis (to increase the WLL, steel core has to be used : contact us for further details) - Based on the EN 13414-1 standard.

Ref: ECA014A



FLAT BRAIDED WIRE SLING WITH 8 HAWSERS AND SIMPLE BRAIDED EYES



Designation	Cable diameter	Approx. dimensions mm		WLL in kg factor	Eye	Lengi	th / Weight mini.	Weight
Designation	mm	width	thickness	M = 1	opening mm	m	kg	m + kg
04	4	50	10	1 200	200 x 100	2	1,800	0,900
05	5	55	12	1 900	240 x 120	2	2,500	1,250
06	6	75	15	2 800	250 x 125	2	4,400	2,200
07	7	90	17	3 800	300 x 150	3	8,000	2,650
08	8	110	20	5 000	350 x 175	3	10,200	3,400
09	9	120	22	6 300	400 x 200	3	12,400	4,130
10	10	130	25	7 700	450 x 225	3	16,500	5,500
12	12	160	30	11 000	500 x 250	4	31,500	7,870
14	14	185	35	15 000	600 x 300	4	43,000	10,750
16	16	210	40	19 800	700 x 350	5	70,200	14,040
18	18	235	45	24 900	800 x 400	5	88,500	17,700
20	20	260	50	30 800	850 x 425	6	131,300	21,880

Galvanized steel - WLL defined on a fiber core basis (to increase the WLL, steel core has to be used. Contact us for further details)

Other references: ECA014B (Eye with hoop thimble) / ECA014C (Eye with thimble).

ADVICE: for some lifting situations, we advise the use of reinforced pods. Please consult us.





Ref : ECA015A

FLAT BRAIDED WIRE SLING WITH 12 HAWSERS AND SIMPLE EYES





Decignation	Cable diameter		limensions	WLL in kg factor	Eye		n / Weight mini.	Weight
Designation	mm	width	nm thickness	M = 1	opening mm		kg kg	m + kg
04	4	60	10	2 200	200 x 100	2	2,400	1,200
05	5	75	12	3 300	240 x 120	2	3,700	1,850
06	6	90	15	4 900	250 x 125	2	5,400	2,700
07	7	105	17	5 800	300 x 150	3	11,000	3,660
08	8	120	20	7 300	350 x 175	3	14,200	4,730
09	9	135	22	9 300	400 x 200	3	18,000	6,000
10	10	150	25	11 500	450 x 225	3	23,800	7,930
12	12	180	30	16 600	500 x 250	4	45,600	11,400
14	14	210	35	22 600	600 x 300	4	62,000	15,500
16	16	240	40	29 700	700 x 350	5	101,400	20,280
18	18	270	45	37 400	800 x 400	5	127,800	25,560
20	20	300	50	46 200	850 x 425	6	189,600	31,600

Galvanized steel - WLL defined on a fiber core basis (to increase the WLL, steel core has to be used. Contact us for further details).

Other references : ECA015B (Eye with hoop thimble). **ECA015C** (Eye with thimble).

Ref: ECA005A

ENDLESS GROMMET SLINGS

COMPLIES WITH EN 13414-3+A1 STANDARD



Designation	Construction	Hawser diameter mm	Grommet diameter approx.mm	Breaking estrope kg / 2 legs	WLL sling kg	Weight kg/ml
3	7 x 7 x 19	3	9	7 344	1 400	0,90
4	7 x 7 x 19	4	12	12 954	2 500	0,460
5	7 x 7 x 19	5	15	19 176	3 800	0,650
6	7 x 7 x 19	6	18	27 846	5 500	1,230
7	7 x 7 x 19	7	21	33 150	6 600	1,390
8	7 x 7 x 19	8	24	41 900	8 300	1,910
9	7 x 7 x 19	9	27	53 018	10 600	2,410
10	7 x 6 x 36	10	30	65 504	13 100	3,070
12	7 x 6 x 36	12	36	94 298	18 800	4,420
13	7 x 6 x 36	13	39	110 730	22 100	5,180
14	7 x 6 x 36	14	42	128 406	25 600	6,010
16	7 x 6 x 36	16	48	167 708	33 500	7,870
18	7 x 6 x 36	18	54	212 312	42 400	9,970
20	7 x 6 x 36	20	60	262 016	52 400	12,300
22	7 x 6 x 36	22	66	317 118	63 400	14,850
24	7 x 6 x 36	24	72	377 318	75 400	17,700
26	7 x 6 x 36	26	78	442 934	88 500	20,770
28	7 x 6 x 36	28	84	513 630	102 700	24,070
32	7 x 6 x 36	32	96	670 842	134 100	31,420
36	7 x 6 x 36	36	108	849 058	169 800	39,750

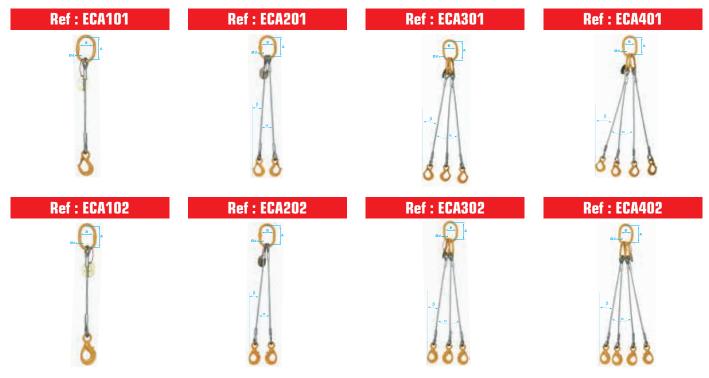
 $\textbf{\textit{Galvanized steel}} \text{ - WLL calculated with metallic core wire rope.}$





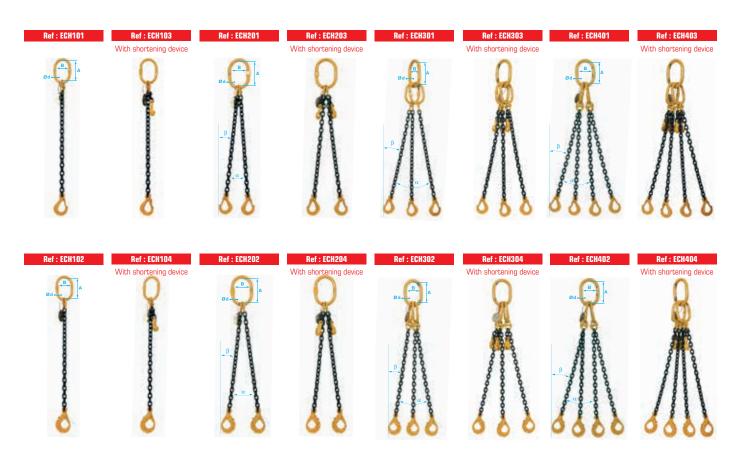
WIRE ROPE SLING MULTI LEGS - EYES FITTED WITH THIMBLE - ALUMINIUM FERRULE

Complying with EN 13414-1 standard

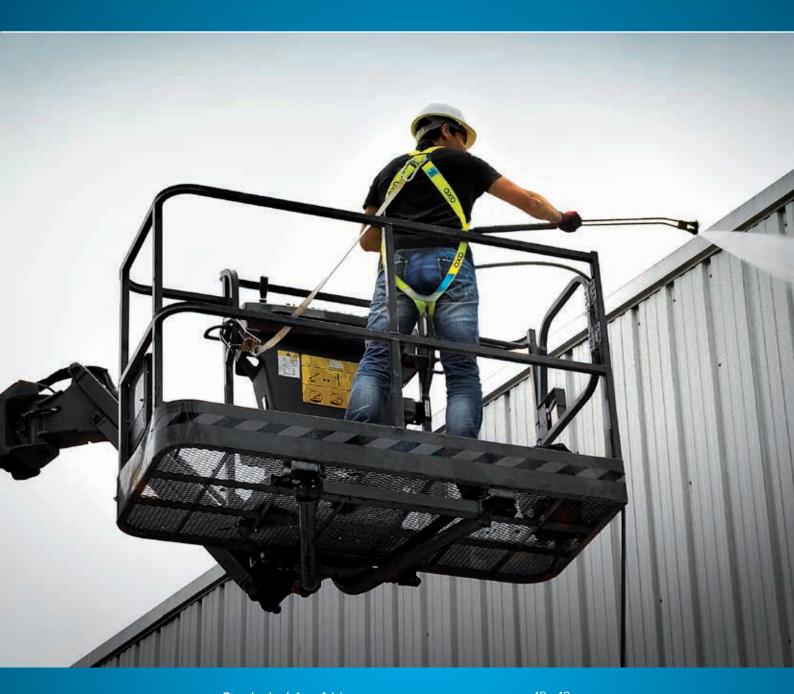


CHAIN SLING MULTI LEGS

HOOK WITH LATCH OR SELF LOCKING HOOKS - **GRADE 120, GRADE 100, GRADE 80 or STAINLESS STEEL** SAFETY FACTOR 4:1 - CONFORMS TO THE EN 818-4 STANDARD



PERSONAL PROTECTIVE EQUIPMENT



Standards - Infos - Advices	48 - 49
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RECOMMENDATIONS

REMINDER OF THE STANDARDS FOR USER Personal protective equipment against fall protection

STANDARDS EN 361 Full body harness FN 355 Energy absorbers EN 354 Lanyards FN 358 Work positioning belts and lanyards EN 362 Connectors EN 353-2 Guided-type fall arresters with flexible anchor line EN 363 Fall arrest systems EN 813 Sit harnesses EN 795-B Provisional and transportable anchoring devices

IMPORTANT RECOMMENDATIONS

- ▶ The user must be in a good physical condition. Medication can cause the risks of drowsiness or loss of alertness and must be prohibited before and during height work.
- The user must be trained for height work and, in particular, for the use of the harness described in this user's guide.
- ▶ Dangerous electrical areas, explosion-risk zones, and acrobatic work require highly-
- It is strongly recommended that the PPE be reserved for one single person.
- > The fall arrest system must be compatible with the hazards encountered on the job. Compare the free space under the user with the space required by the system in case of a fall - taking into consideration the obstacles, the swinging movements, and the possible anchor points (see "Calculating Clearance" diagram p 15).
- ▶ A rescue plan must be provided for a rapid evacuation of the user if necessary
- ▶ The user must weigh less than 100 kg.
- ▶ In a fall arrest system, the only authorized body-equipment device is a full body harness.
- ▶ On a full body harness, only the points marked with an "A" are anchor points.
- > The anchor point with a resistance superior to 10kN must be above the user. The chosen solution must minimize the risk and the height off fall, define the work area and, in the event of a fall, the acceptable swinging movement in a trajectory with no obstacles.
- Absolutely no changes should be made on the harness. Repairs should be made in accordance with the manufacturer's operating procedures.
- ▶ If there are any doubts about the equipment's safety or if it has been used to stop a fall, do not use it anymore. The equipment can only be used again if competent person gives you a written authorisation.
- > Before each use, check visually the sewings, the straps, the buckles and the harness' D-rings. Check each components of the fall arrest system. Everything must be in perfect condition. Any doubt requires immediate replacement of the item (wear, tears, deformation, annual check not done)
- \blacktriangleright Connectors (hooks) must lock properly, be clean, and without any trace of wear or deformation. Manual locking is only suitable when needing to open/close.
- ullet Check the compatibility of the components of the fall arrest system, its relevance to the work situation and the chosen anchor points (connectors (EN 362), lanyards (EN 354), absorbers (EN 355), reels (EN360), etc.).
- ▶ Check compliance with the recommendations for each element. The size of the connectors must be suitable for the maximum allowable length of the absorbing lanyard.
- \blacktriangleright The absorbing lanyard, the retractable fall arresters and the guided-type fall arresters cannot be combined in the same system.
- ➤ Each lifeline has its own recommendations unique to its design : please follow them.
 ➤ The work positioning belt is not part of the fall arrest system. Its design and use comply with the EN 358 standard and are described in the corresponding instructions for use. Nevertheless, all checking recommendations in these instructions must be applied to its
- \blacktriangleright During transport and use, personal protective equipment must be protected from damage due to the contact with sharp edges, mechanical shock during handling, welding and metal projections, chemicals, corrosive atmospheres, and extreme temperatures
- All equipment left on a work site and exposed to inclemency without traceability must be

UPKEEP, DECONTAMINATION AND WAREHOUSING

The harnesses are made of polyester webbing and metal buckles

- 1 Clean the straps and buckles with soapy water to avoid any chemical erosion. Strictly respect this method of cleaning.
- **2** After washing or exposure to inclemency, let it dry naturally in a ventilated place away from heat sources.
- 3 Store the harness in a ventilated area. During transport and storage, pay attention to ultraviolet rays, humidity, corrosive atmospheres, high temperature differences, all mechanical aggressions and mechanical shocks.
- 4 The life expectancy of the harness is 10 years from the manufacturing date : only if all recommendations for use, transport and storage have been respected and if quality checks are achieved.

The harness should be used by a trained and competent person or under the direct supervision of such a person.

Only the points marked with an "A" are anchor points.

IZI-1 / IZI-3 : Only points with a "D" are authorized back anchor points.

IZI-2 / IZI-4 : Only points with a "D" are authorized back anchor points. Or you can use the two front anchor points "A/2" only if they are linked together.

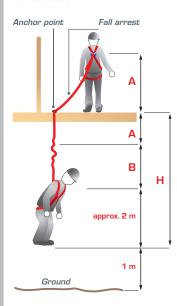
IZI-3 / IZI-4 : The "D" on the belt of the harness if you have one, are only work positioning points. They have no "A" written, so they are not part of the fall arrest system.



Only the points marked with an "A" are anchor points.

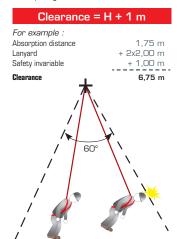
+ CALCUL OF CLEARANCE

Definition: The clearance is the minimum distance required between feet of the user and the first obstacle.



The clearance is calculated as follows

- A Length of fall arrest.
- B Absorption distance
- (refer to the fall arrest guide)
- H Drop height



Check that there is an ample conesafety area under the anchor point for the swinging movements in the event of a fall.

UNDERSTAND THE LABEL



PERIODIC VERIFICATIONS

Periodic verifications must be done by a competent person at least once every 12 months. The safety of the user directly relies on efficient upkeep and resistance of the equipment. Verify periodically the readability of the markings on the equipment.







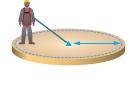




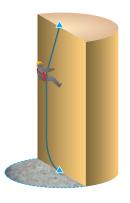
DIFFERENT TYPES OF USE



FALL-ARREST STRAP
Fall-arresting system with absorber for situations where the distance to the ground is sufficient.



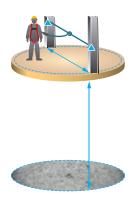
HOLDING STRAP
Single strap limiting
movements to prevent falls
from a height.



ROPE-MOUNTED FALL ARRESTER System designed for work when suspended.



RETRACTABLE FALL
ARRESTERS ON
FLEXIBLE SUPPORTS
Fall arrester system that
immediately stops the fall
(seat belt principle) if the
distance to the ground is
insufficient or to optimise
movements.



LIFE LINE
System used to attach to a fall arrester system or holding strap for horizontal movements

TRADE SYMBOLS



Carpenter, roofer



Antenna, airconditioning



Weatherproofer



Crane operator



Scaffolder



Pylon technician, electrician



Industrial maintenance



Chimney sweep



Metal construction



Mason



Joiner, blind provider



Plumoer



Cherry picker



Bridge maintenance



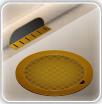
Tree surgeon, landscaper



Facade specialist



Welder, Sewage technician



Water distribution



Platform







N 361 COMPLIANT









The harnesses of the EVO iZi line receives the technological innovations of the iZi line, as the antitourniquet safety, unique size, adjustment to all bodies; and offers in addition an easier and faster adjustment.



ANTITOURNIQUET SAFETY, EXPRESS ADJUSTMENT



EFFICIENCY



Perfect fitting = safety...

A harness perfectly fitted to the operator is a harness that offers an efficient protection. The $iZi\ EVO$ harness allows for simple and quick fitting.





ERGONOMICS

An instantaneous adjustment thanks to a simple action...

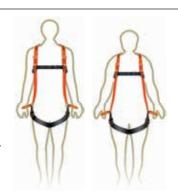
Pull the 2 handles, the harness is ready for use.

- Ultra fast adjustment with 2 tightening handles (Patented system).
- Immediate identification of the harness direction thanks to its color code.
- Fast locking of the sternal buckle.

COMFORT

A unique size for a simplified stock management...

The iZi EVO harness is proposed in unique size adapted for all bodies. The orders and the stock management are simplified.





FEATURES



Back plate: Back anchoring with plate support for more safety and comfort.



Sub-pelvic strap: In case of fall, avoids the spacing and cutting effects around the thighs.



Buckles legs: Steel buckles for adjustment and locking of the leg straps, easy to handle even with aloves.



Sternal anchoring: Sternal buckles adjustable in height for a perfect fitting and an optimum using comfort.



Stitches: only 2 carrying stitches to control. Periodical verifications are simplified and faster.



Traceability: label with unique identification number. Allows to control and follow the harness state.



Strap: 100% polyester high tenacity. Excellent UV light resistance.



Sternal marking: using advices clearly designed to avoid any operating mistakes.



Each iZi EVO harness sold alone is packed in a box.



HELP IN YOUR CHOICE OF A FALL ARREST SYSTEM

The compatibility of the different combinations makes it impossible to include all cases.

The absence or inadequacy of safety on a job involves the use of personal protective equipment against falls.

These equipments must be adapted for the hazards identified by a competent person and intended for use by trained and experienced personnel.

To facilitate your choice, in the following pages we offer a selection of sets according to various professional activities (Note: this selection, given the reality of working conditions, is not a substitute for the proper analysis of your needs).



PPE SET IN A CARDBOARD BOX SPECIAL FOR DEALERS

- Ideal presentation to encourage purchase.
- A barcode makes it easier at the checkout
- The box is sealed and filmed to avoid any theft risks.
- ▶ Each box contains a bag for transportation and protection of the PPE equipment when using it.
- Dimensions
- H = 110 mm / W = 360 mm / D = 260 mm
- Best storage conditions.

All our PPF sets are nacked in cardboard boxes.



HORIZONTAL WORK SET

Ref. KIT1 Weight 3000 g

CONTENT

- EVOiZi 1 harness Ref. EVO IZI-1
- 2 connectors Ref. M-COP
- Security strap lanyard (length: 1,5 m) Ref. LSBB 1,5
- Storage bag





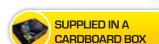
Back

Front

Side

ANCHORING SYSTEM





VERTICAL WORK SET, INCLINED SURFACE

Ref. KIT2 Weight 5000 g

CONTENT

- EVOiZi 2 harness Ref. EVO IZI-2
- 1 connector Ref. M-COP
- Webbing sling (length 1 m) Ref. AN-10
- Guided type fall arrester on a flexible anchor line with a 15 m rope Ref. NOFALL1/15
- Storage bag







ANCHORING SYSTEM

Back

Front Side





INDUSTRIAL MAINTENANCE SET

Ref. KIT3 Weight 4000 g

CONTENT

- EVOiZi 2 harness Ref. EVO IZI-2
- 2 connectors Ref. M-COP
- Fall arrest block Ref. ARA3S
- Webbing sling (length 1 m) Ref. AN-10
- Storage bag Ref. SAC1







M

ANCHORING SYSTEM

Back Front. Side (Keeping)





LIFE LINE SET

Ref. KIT4 Weight 5000 g

CONTENT

- 2 webbing slings (length 1,2 m) Ref. AN-12
- 2 connectors Ref. M-COP
- Webbing lifeline (length 20 m) Ref. LVS-20
- Storage bag Ref. SAC1





Complies with standards EN 362, EN 795/B







STANDARD SET A

Ref. KIT5 Weight 3000 g

CONTENT

- EVOiZi 1 harness Ref. EVO IZI-1
- 1 connector Ref. M-COP
- Webbing absorbing lanyard (length : 2 m) Ref. ABSS BNPN 2
- Storage bag











STANDARD SET B

SUPPLIED IN A CARDBOARD BOX

Ref. KIT6 Weight 3000 g

CONTENT

- EVOiZi 2 harness Ref. EVO IZI-2
- 1 connector Ref. M-COP
- Webbing absorbing lanyard (length: 2 m) Ref. ABSS BNPN 2
- Storage bag



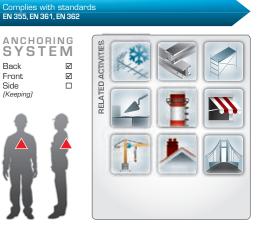




ANCHORING SYSTEM Back \checkmark ☑

Front Side (Keeping)









IZI HARNESS

EN 361 (HARNESS), EN 358 (BELT) COMPLIANT Integrated work positioning belt

Ref. IZI 3 Weight 1800 g

1 anchoring point and 2 work positioning points











Ref. IZI 4 Weight 1900 g

2 anchoring points and 2 work positioning points





ANCHORING SYSTEM

Back \checkmark Front \checkmark Side (Keeping) \checkmark





BASIC HARNESS

EN 361 COMPLIANT



Ref. BASIC 2 Weight 620 g

2 anchoring points: **BACK and FRONT**

ANCHORING

SYSTEM

 \checkmark

Back

Front

Side



ANCHORING SYSTEM

Back Front \checkmark Side



- - → Simple to use : adjusts quickly.
 - → Easy to order : one size fits all.
 - → Back "D" ring for secure anchoring.
 - → Front sewn loop anchoring points (Ref. BASIC 2).
 - → 2 adjustment
 - → Sub pelvic strap : more safety and





TECHNICAL HARNESS

Top-range harness with shoulder straps. Equipped with foam pads for working during extended periods.

EN 358 - EN 361 - EN 813 - 2 anchor points, 3 support points, shoulder straps with foam pads for extended use.







WORKING AT HEIGHTS









KTP HARNESS

H MODEL COMPLIES WITH EUROPEAN STANDARDS

COMPLETE AND NOT DISMOUNTABLE **FALL ARREST SYSTEM**











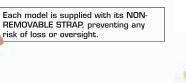
Integrated harness

The bag The harness The lanyard

- Exclusive anti-strangling system.
- · Each elements are attached to the harness : no risk of losing any accessory.
- Easy to order : one size fits all.
- Locking and adjustment of leg straps.
- Sub pelvic strap for safety and comfort.
- Excess strap sorage.



The non-removable bag can be turned inside out to protect the entire fall arrester strap and harness system from UVs, dirt, spray and liquids (water repellent bag).



It is always clean and available for occasional travel to sites or for intensive daily use.





Easy to use, does not tangle : perfect for urgent interventions

KTP MODEL N° 1

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS

- Single webbing lanyard with shock absorber Length: 2 m
- Steel connector 21 mm opening



f. KTP1 Weight 2200 g

RELATED ACTIVITIES

















KTP MODEL N° 2

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS

lanyard with shock

Single webbing

Length: 2 m

absorber

 Aluminium connector 64 mm

opening







KTP MODEL N° 3

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS

- Single ELA lanyard (progressive shock absorber) Relaxed length 1 m Max stretched length 2 m
- Connector 21 mm opening





RELATED ACTIVITIES

















ef. KTP2 Weight 2800 g

Personal Protective Equipment





KTP MODEL N° 4

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS

- Single ELA lanyard (progressive shock absorber) Relaxed length 1 m Max stretched length: 2 m
- Aluminium connector 64 mm opening



f. KTP4 Weight 2100 g

RELATED ACTIVITIES















KTP MODEL N° 5

Double webbing lanyard

with shock absorber

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS

• Connector 21 mm

Length: 2 m

opening

KTP MODEL N° 6

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS

- Double webbing lanyard with shock absorber Length: 2 m
- Connector 64 mm opening



ef. KTP6 Weight 2700 g

Ref. KTP5 Weight 2500 g RELATED ACTIVITIES RELATED ACTIVITIES





KTP MODEL N° 9 Complies with standards

EN 360, EN 361, EN 362

MODEL CONTENTS • Retractable fall

aluminium guard and

arrester with

25mm strap • 64 mm connector

• Deployed length 2 m, 2.5 m and

opening

3.5 m.

KTP MODEL N° 7

Complies with standards EN 355, EN 358, EN 361, EN 362

MODEL CONTENTS

- Single strap with absorber - Strap length: 2 m
- 64 mm connector opening

RELATED ACTIVITIES

Support belt



Ref. KTP7 Weight 3000 g

KTP MODEL N° 8

Complies with standards EN 360, EN 361, EN 362

MODEL CONTENTS

- Retractable fall arrester with 47 mm strap
- 64 mm connector opening
- Deployed length 2.5 m



Ref. KTP8 Weight 2800 g

RELATED ACTIVITIES

















RELATED ACTIVITIES







Ref. KTP9 Weight 3200 g











KTP MODEL N° 10

Complies with standards EN 355, EN 361, EN 362

MODEL CONTENTS Double ELA3 strap fauto-retractable

strapl Extended length 1 m Max. length when

stretched: 2 m • 64 mm connector opening



P10 Weight 2500 g

KTP MODEL N° 11 Complies with standards EN 358, EN 362

MODEL CONTENTS

- Strap length: 1 m Possibility up to 2 m, contact us
- 64 mm steel connector opening
- Caution : arrester set only.



Ref. KTP11 Weight 1500 g

RELATED ACTIVITIES











KTP MODEL N° 12

Complies with standards EN 353/2, EN 361

MODEL CONTENTS

- Harness with fall arrester for ropes
- Only usable with CAM rope (Contact us)



RELATED ACTIVITIES







RELATED ACTIVITIES





























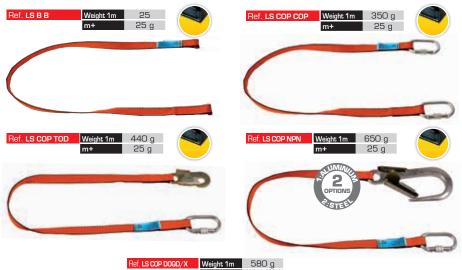


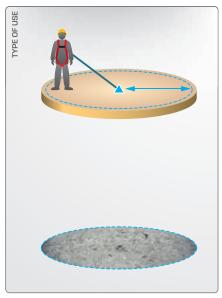
WEBBING LANYARDS

EN354 COMPLIANT • LANYARDS CAN BE INTEGRATED INTO A FALL ARREST SYSTEM INCLUDING A SHOCK ABSORBER. THE LENGTH CAN NOT EXCEED 2 METERS, INCLUDING CONNECTORS.

SINGLE WEBBING LANYARDS

25 mm polyester webbing









DOUBLE WEBBING LANYARDS

25 mm polyester webbing





"ELA" LANYARD ELASTIC LANYARD ABSORBER

EN355 COMPLIANT

"ELA" ADVANTAGES

- ▶ When not in use, the product measures only 1 meter. It extends with movement - up to a maximum of 2
- Light and extendable, it does not interfere with the operator's movements.
- ▶ Reduces the risk of tripping because it is self winding.
- The energy released in case of a fall is absorbed in a linear fashion, therefore, without hard shocks.







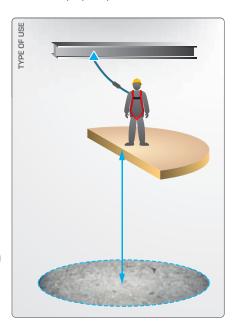
WEBBING LANYARDS WITH SHOCK ABSORBERS

EN355 COMPLIANT • SHOCK ABSORBER INTEGRATED IN THE LANYARD - STANDARD LENGTHES : 1 m, 1,5 m, 2 m

SINGLE WEBBING LANYARDS









Weight 1m 810 g



DOUBLE WEBBING LANYARDS

25 mm polyester webbing









LANYARDS IN A CARDBOARD BOX SPECIAL FOR DEALERS

ALL OUR STRAPS SOLD SINGLY CAN BE PACKED IN CARDBOARD BOXES.

- ▶ Ideal presentation to encourage purchase.
- ▶ A barcode makes it easier at the checkout.
- ▶ The box is sealed and filmed to avoid any theft risks.
- ▶ Best storage conditions.
- * Models identified by a box photo for standard lengths.









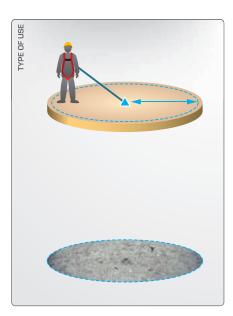
ROPE LANYARDS

EN354 COMPLIANT • LANYARDS CAN BE INTEGRATED INTO A FALL ARREST SYSTEM INCLUDING A SHOCK ABSORBER. THE LENGTH CAN NOT EXCEED 2 METERS, INCLUDING CONNECTORS.

SINGLE ROPE LANYARDS

Polyester rope Ø 11 mm









DOUBLE ROPE LANYARDS

Polyester rope Ø 11 mm





SUPPORT AND HOLDING LANYARDS

EN358 COMPLIANT

HOLDING STRAP: STANDARD LENGTH 2 M
MAX • HOLDING STRAP: LENGTH ON DEMAND
• UNOPENABLE JAW STRAP TENSIONER
POLYESTER ROPE • OPTION: ELASTOMER
ABRASION RESISTANT PROTECTIVE SHEATH







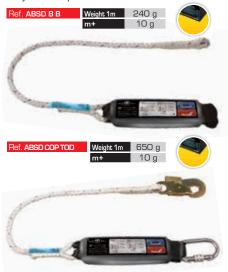


ROPE LANYARDS WITH SHOCK ABSORBERS

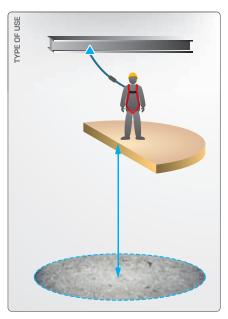
EN355 COMPLIANT • SHOCK ABSORBER INTEGRATED IN THE LANYARD - STANDARD LENGTHES : 1 m, 1,5 m, 2 m

SINGLE ROPE LANYARDS

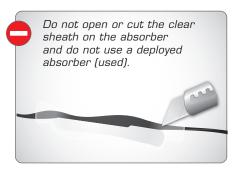
Polyester rope Ø 11 mm











DOUBLE ROPE LANYARDS

Polyester rope Ø 11 mm





Weight 1m 910 g





Weight 1m 1280 g



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FALL ARRESTER





FALL ARRESTER

ON REMOVABLE ROPE

EN353-2 COMPLIANT



Removable fall arrester for ropes.
Can only be used with a CAM rope (Contact us)
Delivered without a rope

FALL ARREST BLOCK

15 m

SELF WINDING

EN360 COMPLIANT

Length





Hef. ARA3S							
Webbing width							
47 mm	47 mm						
Webbing leng	th						
2,50 m							
Webbing material							
Polyester							
Connector							
Delivered without a connector							
Protective casing	Weight						
Composite	1150 a						

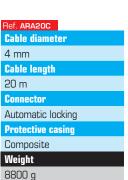


Ref. ARA6S
Webbing width
20 mm
Webbing length
6 m
Connector
Automatic locking
Protective casing
Composite
Weight
1600 g



Cable diameter
4 mm
Cable length
10 m
Connector
Automatic locking
Protective casing
Composite
Weight
4800 g







Cable length

Connector

Automatic locking

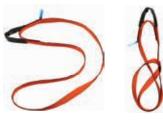
30 m



TEXTILE ANCHORAGES

WEBBING SLINGS





Description	Length m	Weight g
06	0,6	250
08	0,8	300
10	1	350
12	1,2	380
16	1,6	410
20	2	450

 $25\ \mathrm{mm}\ \mathrm{Endless}\ \mathrm{polyester}\ \mathrm{webbing}\ \mathrm{slings}$ - $\mathrm{Breaking}$ strength of the webbing 3000 daN. Protection sleeve $\,$ on the anchoring ring of the snap hook fixation.

ANCHOR SLING



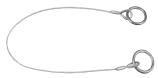
Description	Length m	Weight g	
10	1	325	
15	1,5	340	
20	2	350	

30 mm polyester webbing sling • Breaking strength of webbing : 4500 daNDouble galvanized steel ring and D-ring.

METALLIC ANCHORAGES

WIRE SLINGS

Ref. ELC



Description	Length m	Weight g	
10	1	150	
15	1,5	215	
20	2	257	

 \emptyset 6 mm galvanized wire - Breaking strength of wire 2730 daN • Two rings in forged galvanized steel • Truncated sleeve (no risk of hand damage).

WIRE SLINGS WITH HOOKS

Ref. ELC-M



Description	Length m	Weight g
10	1	400
15	1,5	460
20	2	525

 \emptyset 6 mm galvanized wire - Breaking strength of Wire 2730 daN • Foryed galvaolzed steel rings and hooks • Truncated sleeve (no risk of hand damage)

ANCHORAGE PLATE



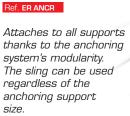
Breaking strength > 4000 daN

TOOLS FALL ARREST

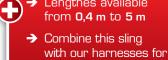


Extendable lanyard sandow based. Stretched length: 1,3 m • 20 mm buckles

ANCHOR SLING

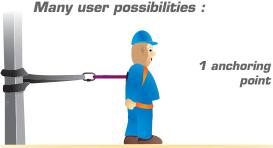


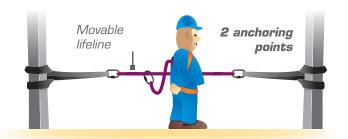




optimal user comfort

Different types of covers on request Example : PVC sleeve





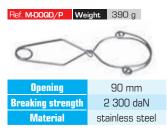


CONNECTORS









Exists with 110 mm. Ref : M-DOQP/M and 130 mm opening, Ref : M-DOQP/G.

WEBBING LIFELINES

ADJUSTABLE FROM 1 TO 20 METERS 30 MM • POLYESTER WEBBING • BREAKING STRENGTH OF WEBBING : 4500 daN **EN795-B COMPLIANT**









Delivered with a carrying bag

When installing a strap life-line, take into account the bend effect on the distance to the ground.

ROPES



Static braided rope. Polyester rope. Breakage at 2200 daN





3 polyamide strand rope. Breakage at 2200 daN



WORK SUPPORT BELT

EN358 COMPLIANT



The work support belt allows to work with hands free. This belt is fitted with Velcro to attach quickly making it easier to lock the buckle.



Closure, opening and Lateral adjustment adjustment using a of the anchoring flat curved buckle

BAGS

TOOL BAG



Tool bag with detachable shoulder strap and adaptable belt loops.

Height: 300 mm - Width: 100 mm

DUFFLE BAG



Canvas duffle bag with carrying strap. Height: 500 mm - Diameter: 300 mm

CARRYING BAG



Soft carrying bag with handle, zip and transparent sleeve. Height: 300 mm - Width: 430 mm

POLYESTER BASIC BAG



Canvas bag with carrying strap. Height: 410 mm - Width: 310 mm



FIREFIGHTER BELT

EN358 AND NIT326 COMPLIANT

Result of a joint effort with the French Fire Department

Safety: Marker for an effective locking up of the belt

Good visibility: thanks to the NF EN469 reflective strips.

A 100% fireproofed polyamide velcro prelocking for a quick clothing

Simplicity of adjustment by pulling handles at the 2 ends.

New buckle with locking guide.

Features

 Upens with 2 manual actions. New locking system anti release. Traceability: each belt can be identified by a unique number. Customization available with barcode and name of your fire station. 100% fireproofed polyester webbing. Treated metallic parts anti corrosion. Edging reinforcement for better positioning and comfort. 				
Blocking of side buckles for connectors quick locking. Ref. CEINP V2				
Ref.	Size (cm)	Weight (kg)		
00	70 - 100	0,85		
01	80 - 125	0,93		
02	120 - 160	1,03		



WORK POSITIONING LANYARDS

LANYARD WITH ALUMINIUM HOOK 25 MM OPENING



LANYARD WITH STEEL HOOK 21 MM OPENING



ACCESSORY HOLDER OPTION

Ref. PACC 01 Weight 15 g





LIFE-SAVING SET ESSENTIAL FOR EVACUATION

ESPECIALLY DESIGNED FOR FIRST RESPONDER VEHICLES

Our life-saver set was developed with the help of the fire & rescue services.

The package meets the requirements of first responders in the field.

The bag sizes are standardised in order to store the life-saving kit in first response vehicles.

CONTENTS

Harness, evacuation triangle, rope, pulleys, carabiners, straps, there is everything that is

The traceability documents for each item in this kit are in a protective pouch in the bag. Intervention documents can also be stored.

For more information, contact us.



Closed and ready-to-use bag. With backpack type handle and straps for easy transport during interventions.



AB STOP: UNDEPLOYED AIRBAG RESTRAINT

In order to protect emergency workers and victims of road accidents from the deployment of airbags, PMS Industrie has developed a restraint system for the driver and passenger airbags.





Ref. ABSTOP VL Weight 550 a







FOR LIGHT VEHICLES

Ø 240 mm







FOR HEAVY VEHICLES Ø 300 mm



Piece to install on the steering wheel

PASSENGER

Ref. ABSTOP PASS Weight 2500 g



FOR LIGHT VEHICLES

Enormous versatility thanks to its large, adjustable strap lengths allowing easy choice of anchoring



COMPLETE PACKAGE

Ref. KIT ABSTOP Weight 4500 a

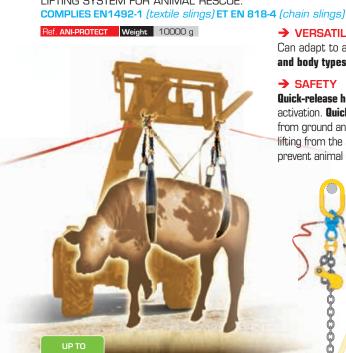


The complete package with the 3 pieces :

Ref. ABSTOP CO TO Ref. ABSTOP CO PL Ref. ABSTOP CO PA



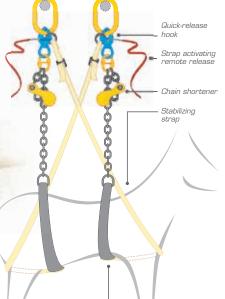
ANIPROTECT: ANIMAL RESCUE LIFTING SYSTEM FOR ANIMAL RESCUE.



Can adapt to a wide variety of animals and body types using chain shorteners.

→ SAFETY

Quick-release hooks with straps for remote activation. Quick release from below when lifting from ground and from above when lifting from the air. Stabilizing straps prevent animal from slipping.







→ COMFORT

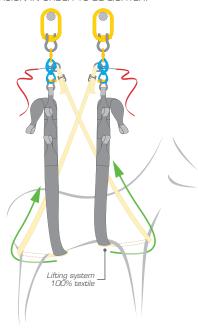
Leather-covered to protect the animal.

→ ERGONOMIC

Velcro helps for easy storage of straps.

TEXTILE VERSION

ANIPROTECT CAN BE DECLINED IN A TEXTILE VERSION IN ORDER TO BE LIGHTER.



BELLY SUPPORT SHEET.

4 strap handles make it possible to slide the sheet along the ropes.

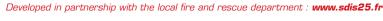
3 adjustable straps with tightening buckles placed under the animal's belly make it possible to adapt to all shapes and sizes



Animal support strap with leather protective cover.

SIDE **VIEWS**





ANISECOURS

SPECIAL LIFTING SYSTEM FOR ANIMAL RESCUE.

COMPLIANT WITH EN1492-1 (textile slings) ET EN 818-4 (chain slings)

THE ANISECOURS is delivered in pairs. One needs to be used for the breast and another for the hind quarters in order to hoist the animal safely.

ALL PURPOSE

Adaptable to a wide variety of species and shapes thanks to the chain shorteners and the textile fixing loops.

SAFETY

Quick removal carabiner with straps for remote operation. Quick removal from the underside for lifting from the ground and from

the top, in the case of airlifting. Stabiliser straps to stop the animal from slipping.

In the event of release, the metal elements remain static, only the textile is released in order not to injure the animal.

TRACEABILITY

Each item in the system is identified using engraving or a traceability label with a unique identification number.

ERGONOMICS

Velcro to make it easier to stow the straps.







- ultra-strong storage and protection bag
- user manual



Developed in partnership with the Seine et Marne fire and rescue department (www.sdis77.fr)





COMPLIANT WITH AFFSAPS REQUIREMENTS

Ref. EASY MOVING 60 Poids 200 g

Polyester belt,

• resistant to chemicals • protection and comfort for the patient's skin

2 colours failsafe for belt installation.





 $extstyle extstyle ag{This belt allows me to make my patients}$ comfortable while protecting my health. It has become a daily help. 99

Marie-France, carer, Besançon University Hospital

Velcro straps easier handling

> The Easy Moving Belt makes it possible to lateralise and support patients effortlessly during care.



- Better workplace health: reduced dorsalgia, cervicodynia, lumbar pain, etc.
- 1 person is enough to handle the patient.
- Simplified logistics: the belt is placed outside the bed, no storage required.

Easy Moving Belt, the solution to carer back pain.

> ving Belt : back dorsal and lumber strain.

With the Easy Moving Belt : the back is



For the health of carers and the comfort of patients.

Many uses: Washing, treatment, bed changes, placing patients on a transfer hammock, all operations requiring the patient to be han







TEMPORARY SCREENING SYSTEMS

Quick and easy installation, compliant with legislation.

Main uses :

Temporary screening of vertical traffic signs. Road traffic signs of all types : directional, three colour, police,

Works: signs, cones (750 mm)... Events: Demonstrations, shows, etc.

Specific furniture: parking meters, SOS call boxes, etc.

SPECIFICATIONS

- ▶ Bespoke production.
- ▶ Possibility of digital printing on the sheet, or marking using adhesive lettering.
- 100 % recyclable for the protection of the environment.



SOS PHONE



PARKING METER



CONE PROTECTOR



TRAFFIC LIGHT



ROUND SIGN



SQUARE SIGN



TRIANGLE SIGN





DIRECTIONAL

NON DIRECTIONAL MARKER SCREENING



TRACKING OF YOUR EQUIPMENTS WITH ELECTRONICAL CHIPS

REWRITABLE

The chips of the Scan & Control system of PMS Industrie are rewritable and offer a real interactivity between the inspector and the product. The inspector has acces to the product history thanks to the informations registred in the chip after each inspection.







OPEN SYSTEM

Scan & Control allows to integrate products out of the PMS Industrie offer range and products you might produce yourself!



Ladders, permanent lifelines, hydraulic presses, welding stations... Any kind of product can be managed by the Scan & Control system.

EFFICIENT CONTROLS

The end of the paper forms (errors...) and the time lost in reporting datas in spreadsheets.



Form step by step adapted to the controlled product.



Results of the controls are generated and stored.





Watch the video demo on >> www.pms-ind.com



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www.pms-ind.com