

BEST OF 2023

Made to measure

Flexibility

Fast
manufacturing

1st French manufacturer
of lifting & lashing products,
polyurethane protection
equipments, PPE.

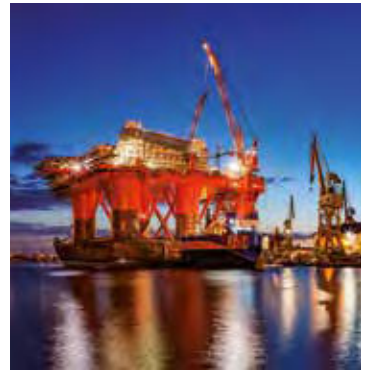


TABLE OF CONTENTS

LIFTING

Roundsling double sleeve side	p. 3	Lil / one way sling patented	p. 11
Roundsling middle stitching	p. 4	Entertainment range	p. 12
Cobra roundsling	p. 5	Cargo net for lifting and lashing	p. 12
Mixed Grizzly	p. 6	Flat braided wire sling	p. 13
Magma	p. 7	Concrete pipe and manhole ring grab	p. 14
Glass slings	p. 7	Aniprotect - patented product	p. 14
Lowering belt	p. 8 & 9	Temporary occultation device	p. 15
chocker Belt	p. 10		

POLYURETHANE PROTECTION

Polysafe polyurethane sleeves	p. 16	Polynappe.....	p. 20
Reinforced polyurethane sleeves.....	p. 17	Edge protection corners.....	p. 21 & 22
Polyspray - Projected polyurethane	p. 17	Polyurethane protection keeper	p. 23
Polysafe - Coating	p. 18	Opening system for load turner.....	p. 23
Honeycomb coating	p. 18	Polyurethane protection at the heart of your company	p. 24 & 25
Full coating.....	p. 19		
Conination of multiple protections	p. 19		
Polycal	p. 19		

LASHING SYSTEM

Powertruck	p. 26	Tenso - patented products.....	p. 27
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OTHER PRODUCTS

Snowcramp XXL	p. 28 & 29	AB stop	p. 30
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PERSONNAL PROTECTION EQUIPMENT

KTP EVO	p. 31	Retractable fall arresters	p. 35 to 37
Pack&Go	p. 32	Asc'o - Mobile fall arrestes on rope.....	p. 38
IZI EVO	p. 33	Load fall arresters - serie big.....	p. 38
arb'o - Tree work equipment.....	p. 34		

TEST BENCHES

p. 39

CORDERIE WEISS & PMS 2600T EXPERTISE

p. 39

LIFTING

ROUNDSLING DOUBLE SLEEVE MIDDLE STITCH SPECIFIC LIFTING

Manufacture from 1 to 10 tons, from 0.2 to 80 meters and more

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

THE ⊕ OF THE RANGE :

The middle stitch provides a better capacity of the fibres; more solid between them, the effort they support is uniformly distributed on each of them. This roundsling is particularly suitable and recommended for lifting steel structures and is very suitable for difficult lifts.

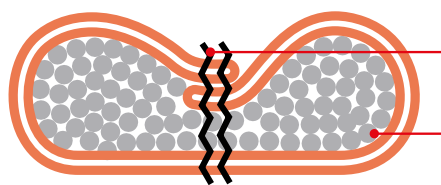


Effective Working Length

Sling color	PURPLE	GREEN	YELLOW	GREY	RED	BROWN	BLUE	ORANGE	
WLL (ton)	1	2	3	4	5	6	8	10	
Ø 1 leg (mm)	20	25	30	37	40	43	45	48	
Weight per m/EWL (g)	370	500	700	950	1 200	1 300	1 700	1 900	
REFERENCE	1 m	ECM 1 1	ECM 2 1	ECM 3 1	ECM 4 1	ECM 5 1	ECM 6 1	ECM 8 1	ECM 10 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	ECM 10 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	ECM 10 2
	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	ECM 10 2,5
	3 m	ECM 1 3	ECM 2 3	ECM 3 3	ECM 4 3	ECM 5 3	ECM 6 3	ECM 8 3	ECM 10 3
	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	ECM 10 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	ECM 10 4
	5 m	ECM 1 5	ECM 2 5	ECM 3 5	ECM 4 5	ECM 5 5	ECM 6 5	ECM 8 5	ECM 10 5
m +	ECM 1 ...	ECM 2 ...	ECM 3 ...	ECM 4 ...	ECM 5 ...	ECM 6 ...	ECM 8 ...	ECM 10 ...	

DESIGN

The middle stitch sling is a special design, based on a lined sleeve, a double central stitch, and compacted yarns inside. This technique is approved by many steelwork professionals.



Double stitching in the middle

Double sleeve



ROUNDSLING DOUBLE SLEEVE SIDE STITCHING FOR EXTREME LENGTHS

Manufacture from 1 to 600 tons, from 1 to 80 meters and more

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

**UP TO
600 T**

THE + OF THE RANGE :

- The side stitching gives a rounder and therefore more homogeneous sling.
- It is particularly suitable for lifting large loads and allows a perfect correlation between the sling and the mass moved.
- The Roundslings with side stitching can be produced in short lengths and can be the solution for handling small loads. All our Roundslings above WLL 100T have a long lifespan label coated with Polyurethan.

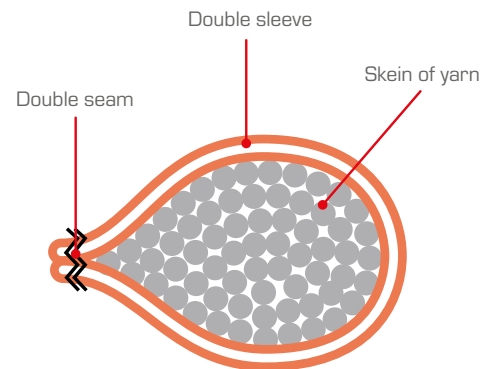


Sling color	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE
WLL (ton)	50	60	80	100	120	140	150	180	200
Ø 1 leg (mm)	90	100	120	140	155	170	175	190	200
Weight per m/EWL (kg)	9	10,5	14	17,5	21	24	26	29	32
REFERENCES	1 m	ECC 50 1	ECC 60 1	ECC 80 1	ECC 100 1	-	-	-	-
	1,5 m	ECC 50 1,5	ECC 60 1,5	ECC 80 1,5	ECC 100 1,5	ECC 120 1,5	ECC 140 1,5	-	-
	2 m	ECC 50 2	ECC 60 2	ECC 80 2	ECC 100 2	ECC 120 2	ECC 140 2	ECC 150 2	ECC 180 2
	2,5 m	ECC 50 2,5	ECC 60 2,5	ECC 80 2,5	ECC 100 2,5	ECC 120 2,5	ECC 140 2,5	ECC 150 2,5	ECC 180 2,5
	3 m	ECC 50 3	ECC 60 3	ECC 80 3	ECC 100 3	ECC 120 3	ECC 140 3	ECC 150 3	ECC 180 3
	3,5 m	ECC 50 3,5	ECC 60 3,5	ECC 80 3,5	ECC 100 3,5	ECC 120 3,5	ECC 140 3,5	ECC 150 3,5	ECC 180 3,5
	4 m	ECC 50 4	ECC 60 4	ECC 80 4	ECC 100 4	ECC 120 4	ECC 140 4	ECC 150 4	ECC 180 4
	5 m	ECC 50 5	ECC 60 5	ECC 80 5	ECC 100 5	ECC 120 5	ECC 140 5	ECC 150 5	ECC 180 5
	Le m +	ECC 50 ...	ECC 60 ...	ECC 80 ...	ECC 100 ...	ECC 120 ...	ECC 140 ...	ECC 150 ...	ECC 180 ...

DESIGN

Due to their design, double-sleeve side-stitching slings allow for greater capacities and lengths.

The skein of threads making up the core of the sling is trapped in the sleeve which is then folded and sewn to provide a double layer of textile sleeve.



ROUNDSLING Cobra®

EXPERT LIFTING



Manufacture from 1 to 5 tons, from 0.4 to 8 meters

Safety factor 7:1 - Operating temperatures from -40°C to +80°C.

This new roundsling is designed to guarantee lifting under the best safety conditions with optimal ergonomics.

THE + OF THE RANGE :

100% ERGONOMIC

Save time: quicker sling application. On a hook, high up or under a load, the sling retains its rigidity for easy handling.

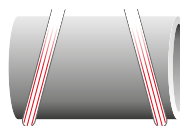


MAXIMUM SAFETY

The force is distributed evenly over all the fibers.



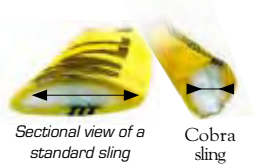
Cobra Sling



Standard sling:
only the outer legs
bear the load.

MORE PRACTICAL

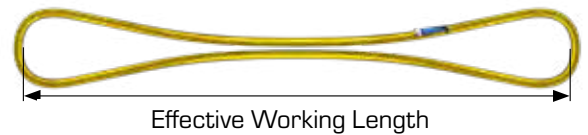
- Thanks to its design, the sling does not get tangled: easy to store and reuse.
- Minimum space requirement: for the same WLL, the diameter of the sling leg is more compact.



Sectional view of a
standard sling

Cobra
sling

Sling color	PURPLE	GREEN	YELLOW	RED
WLL (ton)	1	2	3	5
Ø 1 leg (mm)	16	20	22	29
Sleeve thickness (mm)	1	1	1	1
Weight per m/EWL (kg)	0,25	0,40	0,55	1,10
REFERENCES	1 m	COBRA 1 1	COBRA 2 1	COBRA 3 1
	2 m	COBRA 1 2	COBRA 2 2	COBRA 3 2
	3 m	COBRA 1 3	COBRA 2 3	COBRA 3 3
	m +	COBRA 1 ...	COBRA 2 ...	COBRA 3 ...



Effective Working Length



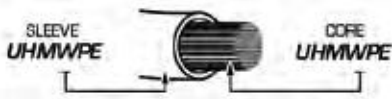
ROUNDSLINGS GRIZZLY MADE WITH UHMWPE FIBERS

EXCEPTIONAL LIFTING

Manufacture from 15 to 300 tons and more, up to 40 meters and more

Safety factor 7:1 - Operating temperatures from -40°C to +80°C.

CONFIGURATION 1: ROUNDSLINGS 100% UHMWPE CORE AND SLEEVE



THE + OF THE RANGE

- Configuration offering optimal strength and lightness.

Sling color	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
Breaking force (MBL in tons)	105	140	350	700	840	1190
WLL (tons)	15	20	50	100	120	170
Ø 1 leg (mm)	49	55	82	114	127	160
Weight per m/EWL (kg)	1,6	1,6	4,6	8,4	10,3	14
Ref.	2 m	GRIZZLY 15 2	GRIZZLY 20 2	GRIZZLY 50 2	-	-
	3 m	GRIZZLY 15 3	GRIZZLY 20 3	GRIZZLY 50 3	GRIZZLY 100 3	GRIZZLY 120 3 GRIZZLY 170 3
	m +	GRIZZLY 15 ...	GRIZZLY 20 ...	GRIZZLY 50 ...	GRIZZLY 100 ...	GRIZZLY 120 ... GRIZZLY 170 ...

We manufacture Grizzly slings up to 2100 tons breaking load (MBL) and a maximum length of 40 metres. Capacities beyond this on request. Values such as weights are indicative and may vary depending on the method of manufacture and our raw material sources.

CONFIGURATION 2: MIXED ROUNDSLINGS UHMWPE SLEEVE AND POLYESTER CORE



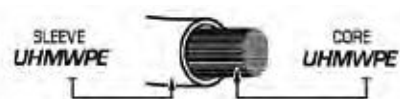
THE + OF THE RANGE

- High strength due to UHMWPE sleeve.
- Lower cost than the 100% Grizzly UHMWPE version.

Sling color	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE	WHITE
Breaking force (MBL in tons)	56	105	140	350	700	840	1190
WLL (tons)	8	15	20	50	100	120	170
Ø 1 leg (mm)	45	60	65	105	140	155	185
Weight per m/EWL (kg)	1,7	3,4	4,3	9	18	20	26
Ref.	2 m	GRIZZER 8 2	GRIZZER 15 2	GRIZZER 20 2	GRIZZER 50 2	-	-
	3 m	GRIZZER 8 3	GRIZZER 15 3	GRIZZER 20 3	GRIZZER 50 3	GRIZZER 100 3	GRIZZER 120 3 GRIZZER 170 3
	m +	GRIZZER 8 ...	GRIZZER 15 ...	GRIZZER 20 ...	GRIZZER 50 ...	GRIZZER 100 ...	GRIZZER 120 ... GRIZZER 170 ...

We manufacture Grizzly slings up to 2100 tons breaking load (MBL) and a maximum length of 40 metres. Capacities beyond this on request. Values such as weights are indicative and may vary depending on the method of manufacture and our raw material sources.

CONFIGURATION 3: MIXED ROUNDSLINGS POLYESTER SLEEVE AND UHMWPE CORE



THE + OF THE RANGE :

- Lightweight sling due to UHMWPE core.
- Lowest cost configuration.

Sling color	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE	ORANGE
Breaking force (MBL in tons)	140	280	350	700	840	1050
WLL (tons)	20	40	50	100	120	150
Ø 1 leg (mm)	55	79	82	114	127	149
Weight per m/EWL (kg)	1,9	3,4	4,1	7,8	9,5	13
Ref.	2 m	ERGRIZZLY 20 2	ERGRIZZLY 40 2	ERGRIZZLY 50 2	-	-
	3 m	ERGRIZZLY 20 3	ERGRIZZLY 40 3	ERGRIZZLY 50 3	ERGRIZZLY 100 3	ERGRIZZLY 120 3 ERGRIZZLY 150 3
	m +	ERGRIZZLY 20 ...	ERGRIZZLY 40 ...	ERGRIZZLY 50 ...	ERGRIZZLY 100 ...	ERGRIZZLY 120 ... ERGRIZZLY 150 ...

We manufacture Grizzly slings up to 2100 tons breaking load (MBL) and a maximum length of 40 metres. Capacities beyond this on request. Values such as weights are indicative and may vary depending on the method of manufacture and our raw material sources.

FLAT WEBBING SLING : MAGMA®

VERY HIGH RESISTANCE TO EXTREME HEAT

Manufacturing from 0.3 to 6 tons, from 1 to 30 meters

Safety factor 7:1 - Can be used up to 300°C

THE ⊕ OF THE RANGE :

- Aramid strap and seam threads: resists to up to 300°C with excellent mechanical properties.
- Good resistance to shocks, cuts, and abrasion.

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.



Aramid can be used for many textile products: lashing systems. (consult us)

Sling color	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	YELLOW	
WLL (ton)	0,3	0,6	1,20	0,75	1,50	3	1,5	3	6	
Type	A	B	C	A	B	C	A	B	C	
Width (mm)	25	25	25	50	50	50	90	90	90	
Thickness (mm)	2	4,5	9	2	4,5	9	2	3,5	7	
Weight 1 ^{er} m (g)	75	150	300	200	400	800	400	500	750	
Weight m/l (g)	35	70	140	70	140	280	125	250	500	
REFERENCES	1 m	AK 25 2 1	BK 25 2 1	CK 25 2 1	AK 50 2 1	BK 50 2 1	CK 50 2 1	AK 90 2 1	BK 90 2 1	CK 90 2 1
	2 m	AK 25 2 2	BK 25 2 2	CK 25 2 2	AK 50 2 2	BK 50 2 2	CK 50 2 2	AK 90 2 2	BK 90 2 2	CK 90 2 2
	3 m	AK 25 2 3	BK 25 2 3	CK 25 2 3	AK 50 2 3	BK 50 2 3	CK 50 2 3	AK 90 2 3	BK 90 2 3	CK 90 2 3
	m +	AK 25 2 ...	BK 25 2 ...	CK 25 2 ...	AK 50 2 ...	BK 50 2 ...	CK 50 2 ...	AK 90 2 ...	BK 90 2 ...	CK 90 2 ...

GLASS-LIFTING SLING



CHARACTERISTICS :

Flat webbing sling with reinforced eyes (category 1), B-type (double ply). Lateral flanges with protections to prevent any lateral sliding of the load. Sleeve to keep the sling in "U" configuration.

The entire length of the sling is protected to prevent damage to both the load and the sling.

Exemples of use : plasterboard, bay windows, marble slabs, advertising boards.

Ref. ELV

Width of the sling (mm)	WLL (ton)	Effective Working Length (m)	length of lifting in U (m)
60	2	6,6	3,3

- 2 webbing side straps with leather protection to prevent the load from slipping sideways.
- Protection along the entire length of the sling to prevent damage to the load and the sling.

A range of protections to choose from depending on your use: coating, projection or polyurethane sleeve, leather sleeve, etc.



Glass-lifting sling with polyurethane and leather protection sleeve.

LOWERING-IN BELT FOR PIPE LINE

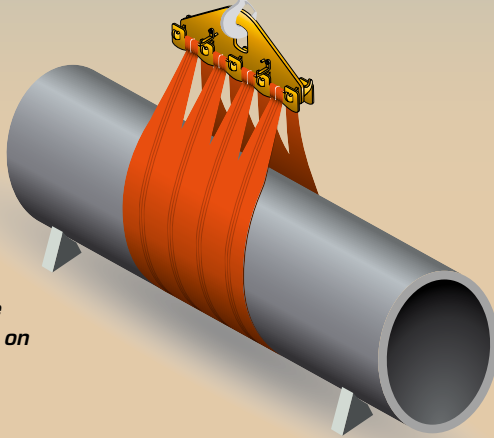
FROM 10 TO 100 TONS



Traceability is guaranteed on each part:

traceability label on the webbing, marking plate on the spreader.

Ref. ENS



THE + OF THE RANGE :

SAFETY

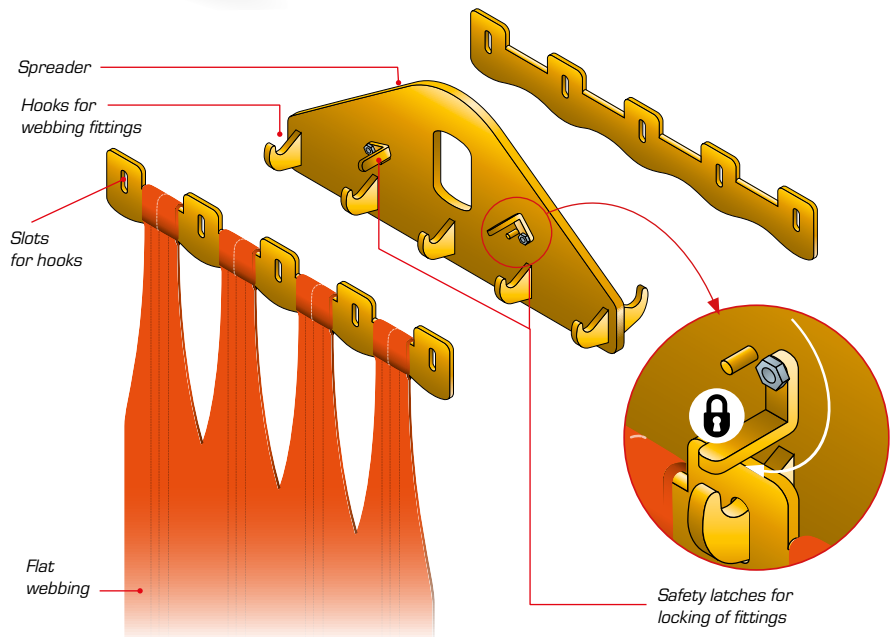
- Wide strap width to easily balance and stabilise the pipe.
- The spreader bar keeps the strap perfectly straight across its entire width
- Even load distribution across the entire strap width.
- Locking latch.

ERGONOMICS

- Simple and quick to use.
- Polyurethane coating or spraying (optional) for optimum protection of the pipe and the strap.

SAVINGS

- Possibility to replace each element separately.
- Polyurethane (optional) to increase the longevity of the webbing

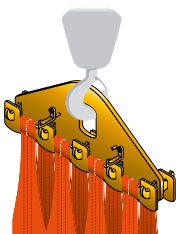


The polyurethane coating (option) prevents rapid deterioration of the webbing and gives it a longer life. Available for webbing widths from 150 to 450 mm, for all lengths.

QUICK AND EASY TO USE

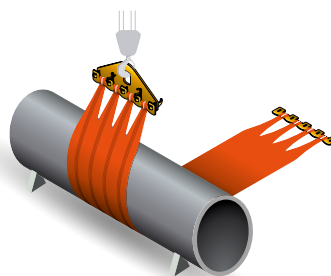
1

Attach one end of the webbing to the spreader.



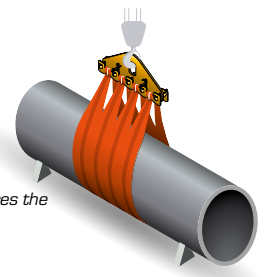
2

Slide the webbing under the pipe and then hang the second ending of the webbing on the spreader.



3

Lift the assembly. The webbing's width ensures the pipe's stability.



CORRESPONDENCE BETWEEN WLL AND PIPE DIAMETER

Designation	10 - 20	30 - 40	50 - 60	70 - 80	90 - 100
WLL (ton)	20	40	60	80	100
Hooks number	2	3	4	5	6
Webbing width (mm)	300	600	900	1200	1500
Ø pipe (inches) (= 25,4 mm)	6 to 12	20 to 24	30 to 36	42 to 48	> 50
Effective Working Length standard (m)	5,20	5,20	5,20	5,20	5,20

Other capacities on request. Possibility of customised lengths, please consult us.

LOWERING-IN BELTS FOR PIPELINE

New Design

THE + OF THE RANGE :

SIMPLIFIED HANDLING

- Thanks to the design of the easy handling pipe spreader with double balance beam :
 - easy to install the sling.
 - quick check of the spreader.

OPTIMAL AND GUARANTEED TRACEABILITY VIA

- The marking plate on the metal part of the system.

ERGONOMICS

- The absence of fittings in this system makes it light.
- Only the strap is handled: the spreader bar remains on the handling hook, and the operators on the ground position the straps without metal accessories.

VERSATILITY AND PROFITABILITY

- If necessary, the strap can be replaced as there is no integrated stitched link to the spreader.

CONFIGURATION :

Double steel spreader bar.

Flat webbing sling 100% polyester multifilament high tenacity.

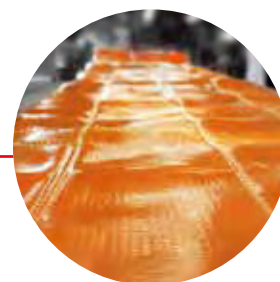
- Type B (2 plies),
- Category 1: single loops with textile reinforcement and sprayed polyurethane protection.
- Webbing width: 580 mm



Ref. ENS EVO



Polyurethane protection on the loop.



Polyurethane sprayed onto the textile reinforcement strip which is sewn onto the inner surface of the sling.



Traceability label sewn plated, protected by polyurethane coating.

VARIOUS POSSIBLE CAPACITIES

Designation	14	28	56
WLL (ton)	14	28	56
Configuration	1 ply	2 plies	4 plies
Ø pipe (inches)	12	20	36
Webbing width (mm)	580	580	580
Effective Working Length standard (m)	3	3	4
Length in use (m)	1,5	1,5	1,5



Tailor-made for your application. Standard version: textile reinforcement on the load-bearing area of the inner surface of the sling. A range of protections to choose based on your usage: coating, projection or polyurethane sleeve, PVC sleeve, etc.

CHOKER BELT



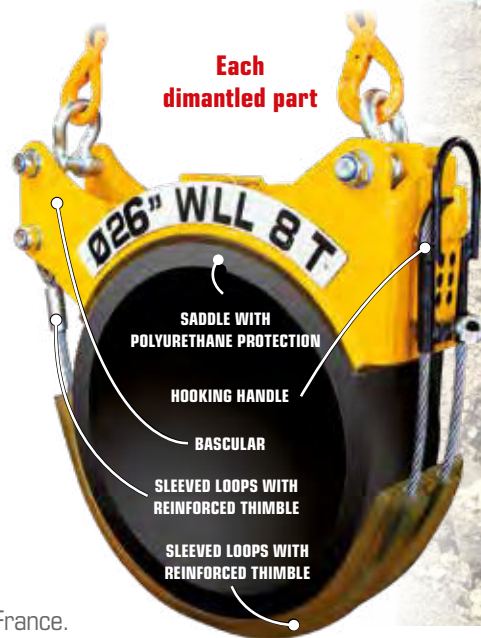
The choker holds the pipe section firmly in place, does not slip and allows the pipe to be handled, pushed, and pulled more accurately and freely than with a sling.

Wire rope slings for the lifting can be replaced by textile slings if it is necessary to lighten the lifting device or by chain slings for a more flexible use.

Ref. CHO

THE OF THE RANGE :

- 100% French choker made in France.



SAFETY

- Safe installation of the lifting device.
- High strength design without load bearing welds.
- Reduced risk of work accidents.

PRACTICAL

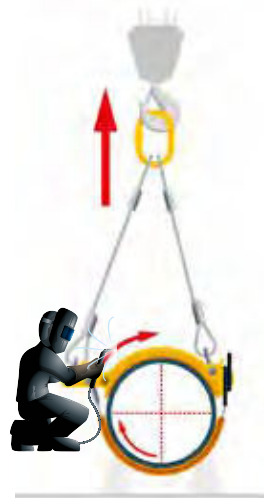
- Quick and easy to install.
- Automatic tightening, perfect strapping: no damage to the pipe to the pipe thanks to the polyurethane coating.
- Easy guidance during handling.
- Allows the pipe to be rotated for precise positioning.

COST SAVING

- 1 choker, 1 operator, depending on the length of the pipe.
- Long term investment:
 - Long service life, highly resistant materials.
 - Possibility of replacing individual components.



1 - Initial position



2 - Rotation

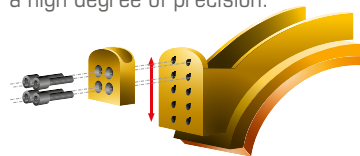


SAFETY CHECK

The handle can be opened to allow a visual check of the cable (option).

PRECISION ADJUSTMENT

High precision adjustment of the pipe, the locking system can be adjusted to a high degree of precision.



DOUBLE CONTACT SURFACE

It is possible to connect 2 chokers of the same diameter to increase the contact surface with the pipe.



READ MORE :



DISCOVER OUR VIDEOS

CORRESPONDENCE BETWEEN WLL AND PIPE DIAMETER

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	118	1219	1422	1625
Ø pipe (inches) (= 25,4 mm)	12	14	16	18	20	24	28	30	32	34	36	40	42	44	48	56	64

Other capacities on request. Possibility of customised lengths, please consult us.

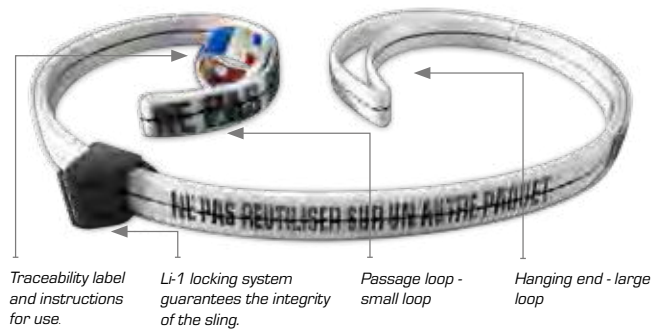


THE ONLY SLING NON-REUSABLE

A PMS EXCLUSIVITY

By offering Li-1, we ensure compliance with regulations and the safety of personnel. The Li-1 sling is for single use only and cannot be reused for further handling... The contractor can be sure of compliance with the regulations.

Simple and secure use...



1 Pass the sling through the mesh of the welded mesh. Pass the hook end of the sling through the loop. Thread the sling into the Li-1 plastic part, observing the direction of the arrow on the housing.



2 Slide the assembly as close as possible to the lattice pack. Lock the Li-1 system by pressing on the upper part of the part. Press the push-button until it clicks.



3 The system is in place and operational.



4 It is impossible to remove the sling without destroying it, making it unusable.



Gloves must be worn

Gloves must be worn

Secure, cost-effective, compliant with legislation Only advantages...

Safe handling



Eradication of «wild» slings on the site



- No management of lifting equipment,
- Automatic destruction of the sling after use,
- No more use of twistlers.

The only guaranteed single-use sling



- Single use guaranteed and in compliance with European standards,
- Each sling has a maximum working load (MWL) set at the time of manufacture. The reuse of a sling by the recipient implies a strict control of its use (respect of the MUC in particular),
- SAFETY FACTOR 7:1 and conform to the European directive 2006/42/CE.



Loading time reduced by 30 to 50%.

- Substantial labour savings,
- The crane's workload is reduced.



CARACTERISTICS

- Flexible sling consisting of a sewn webbing element with an injected plastic part with a blade.
- Uniformly woven textile fibres. 100% high tenacity multi-filament polyester.
- Colour: white + 1 black line. Inscription in black ink on the strap: «DO NOT REUSE».
- CE Compliant instructions.

Ref. Li1

Safety factor 7:1

References	WLL (ton)	Width (mm)	Thickness (mm)	Effective Working Length (m)
Li1 120CO.9W	0,9 (tie)	30	2,8	1,20
Li1 150CO.9W	0,9 (tie)	30	2,8	1,50

Length upon request.

ENTERTAINMENT RANGE

We support your customers in all their projects with our range of black slings, ideal for the entertainment and event industry.

THE ⊕ OF THE RANGE :

- Our entertainment slings are designed to secure your installations while maintaining the esthetic integrity of your equipment.

100% TEXTILE BLACK ROUND SLING

Manufacturing from 0.25 to 3 tons

Safety factor 7:1



Color	Black	Black	Black
WLL (ton)	1	2	2
1 m	ER 1 1 NO	ER 2 1 NO	ER 3 1 NO
2 m	ER 1 2 NO	ER 2 2 NO	ER 3 2 NO
m+	ER 1 ... NO	ER 2 ... NO	ER 3 ... NO

BLACK ENDLESS GROMMET SLING

Manufacturing from 1 to 2 tons

Safety factor 5:1



Control window for checking the wire and ID.

Color	Black	Black
WLL (ton)	1	2
1 m	ERCA 1 1 NO	ERCA 2 1 NO
2 m	ERCA 1 2 NO	ERCA 2 2 NO
m+	ERCA 1 ... NO	ERCA 2 ... NO

CARGO NET FOR LIFTING

Made of 100% Polyester webbing

Ref : FIL

Depending on the load you wish to lift, we study your project to provide you with the appropriate solution.

100% CUSTOM-MADE :

- Net surface and shape.
- Number of strips.
- Band widths: 25 mm / 35 mm / 50 mm / 75 mm.
- Mesh size.
- Colour of the net.
- Breakage, strength of the system.
- Choice of ends : loops, etc.

OPTIONS:

- Net protections: polyurethane projection, sleeves, reinforcements...
- Adding Velcro



FLAT BRAIDED WIRE SLING

Ref : ECA014A



8 HAWSERS WITH TWO BARE EYES

Factor M1



Designation	Wire rope diameter mm	Dimensions mm		WLL - kg factor M = 1	Loop opening dimensions mm	Length / Weight minimum achievable		Weight m + kg
		width	thickness			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

TIP: For certain loads, we recommend the use of extra-reinforced lugs, please consult us.

Galvanised steel - WLL established on a textile core basis (possibility of metal core for higher WLL range: please consult us).

Other references : ECA014B (Loops with arch lugs) / ECA014C (Loops with heart lugs).

Ref : ECA015A

12 HAWSERS WITH TWO BARE EYES

Factor M1



Designation	Wire rope diameter mm	Dimensions mm		WLL - kg factor M = 1	Buckle passage mm	Length / Weight minimum achievable		Weight m + kg
		width	thickness			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

Galvanised steel - The WLL is established on the basis of a textile core. You can have a metal core to reach higher capacities.

Other references : ECA015B (buckles with arch thimbles). ECA015C (Heart-thimble buckles).

CONCRETE CULVERTS AND MANHOLE CLAMP

Ref : AALBTC



Designation	WLL kg	Number of clamps	Length chain m	Spacing mm	Ø inside pipes m	Weight kg
15	1 500	3	1,5	from 40 to 120	de 0,4 to 2,2	26
30	3 000	3	2	from 100 to 140	de 0,4 to 2,2	45

3 self-closing CLAMPS

100% TRACEABILITY

Traceability marking engraved on the part

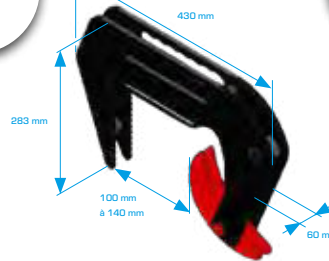


→ These Class 8 (Grade 80) chain slings are designed and manufactured in such a way that unintentional removal of any component cannot occur.

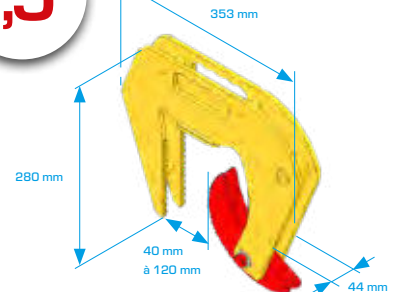
→ In this type of chain sling assembly, the mechanically assembled linking components have a Working Load Limit higher or equivalent (never lower) than that of the chain to which they are connected.

→ These clamps are made of welded steel and are self-closing, without adjustment, for an ideal fit.

3^t



1,5^t



ANIPROTECT - LIFTING SYSTEM FOR ANIMAL RESCUE

PMS INDUSTRIE

JUSQU'À **4** TONNES

Conform to EN1492-1 + A1 (textile slings) et en 818-4+ A1 (chain slings)

Poids 10000 g

Ref. ANIPROTECT

VERSATILITY

Adaptation to a wide variety of species and morphologies thanks to chain shorteners.

COMFORT

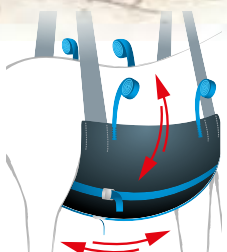
Leather reinforcements to protect the animal.

ERGONOMIC

Velcro straps for easy storage.

SAFETY

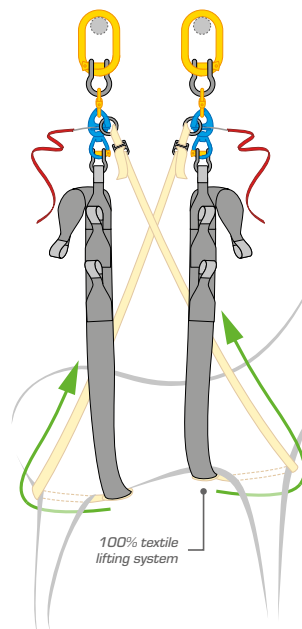
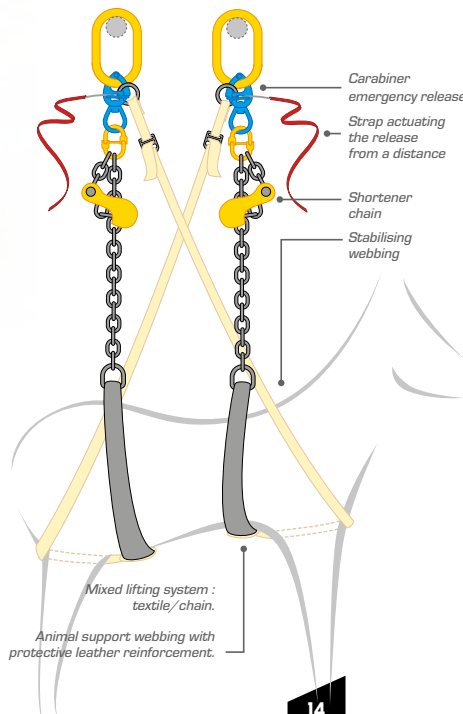
- Emergency release carabiner with straps for remote operation.
- Emergency release from below when lifting from the ground and from above, in case of aerial lifting.
- Stabilising straps to prevent the animal from slipping.



OPTIONAL BELLY SUPPORT SHEET.

4 webbing handles to slide the carrier sheet along the strands.

3 straps, adjustable with buckles, placed under the animal's belly, allowing to adapt to all morphologies.



TEXTILE VERSION

A VARIATION OF THE STANDARD ANIPROTECT FOR A LIGHTER SYSTEM.

- Delivered with :
- ultra-resistant and protective storage bag
 - instructions for use.



TEMPORARY OCCULTATION DEVICE

Quick and easy to install, compliant legislation.

Main uses :

Temporary masking of vertical road signs.

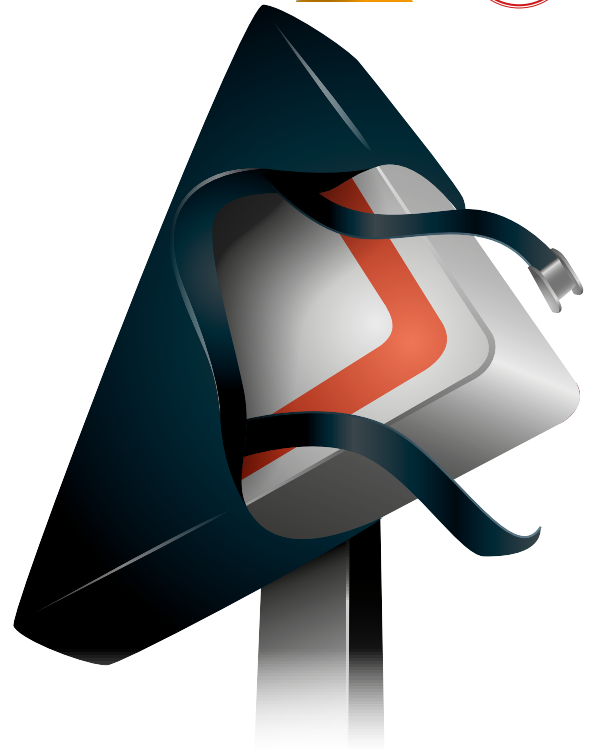
Road signs of all types:

directional, traffic lights, police

Works : signs, cones (750 mm)...

EVENTS : manifestations, fairs...

Specific furniture : parking meters, R.A.U. bollards...



CHARACTERISTIC

- Made to measure.
- Possibility of digital printing on the tarpaulin, or marking with adhesive letters.
- 100% recyclable for the respect of the environment.



SOS PORTAL (RAU)



PARKING METER



CONE PROTECTION



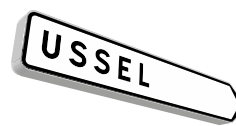
TRAFFIC LIGHTS



ROUND, SQUARE, TRIANGULAR PANELS..



DIRECTIONAL AND NON-DIRECTIONAL STAKING



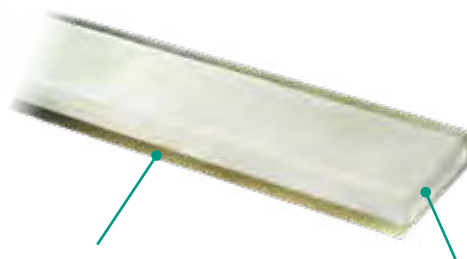
POLYURETHANE PROTECTION

POLYSAFE POLYURETHANE SLEEVES

Protection for lifting straps, hoists, and cables when handling objects with sharp edges.

THE OF THE RANGE :

- Thanks to their excellent adhesion to smooth surfaces, they prevent loads from slipping.
- High structural strength.
- Very good elasticity.
- They considerably extend the life of textile slings.
- The sliding sleeve allows a perfect and smooth positioning of the sling.

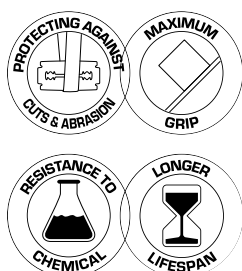


Polyurethane elastomer with a minimum thickness of 5 mm for wear and tear resistance.

Textile sheath to facilitate the introduction of the sling to be protected



- Standard length: 4 or 5 meters.
- All other non-standard lengths possible up to a maximum of 6 meters.
- Physical properties:
 - Shore A hardness: 80 ± 5 (DIN 53505)
 - Elongation coefficient: 500 % (DIN 53504)
 - Tear strength: 75 N/mm (DIN 53515)
 - Abrasion: 55 mm³ (DIN 53516).



1 side sleeve



2 sides sleeve

SLEEVES FOR DOUBLE PLY WEBBINGS

1 side sleeve : **Ref : FP1**

2 sides sleeve : **Ref : FP2**

Ref. FP1 1 side sleeve	Ref. FP2 2 sides sleeve	Total width A mm	Internal width B mm	Internal height C mm	Thickness sleeve D mm	For webbing of maximum width mm	1 side weight kg/ml	2 sides weight kg/ml
30	30	48	35	10	5	30	0,60	1
50	50	74	55	10	5	50	0,80	1,30
60	60	81	65	12	5	60	0,90	1,45
75	75	93	80	12	5	75	1	1,70
90	90	123	110	12	5	90	1,05	1,90
120	120	163	150	12	5	120	1,45	2,40
150	150	184	165	12	5	150	1,70	2,50
180	180	223	210	20	5	180	1,90	3,20
240	240	270	250	20	8	240	3,80	6,30
300	300	340	320	20	8	300	4,85	8,05
480	-	510	485	25	10	480	7,12	-

Indicative values subject to change without notice.

NEW SLEEVES FOR FOUR-PLY WEBBINGS

1 side sleeve **Ref : FP3**

2 sides sleeve

Ref : FP4

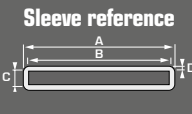
Ref. FP3 1 side sleeve	Ref. FP4 2 sides sleeve	Total width A mm	Internal width B mm	Internal height C mm	Thickness sleeve D mm	For webbing of maximum width mm	1 side weight kg/ml	2 sides weight kg/ml
90	90	123	110	20	5	90	1,15	2,09
120	120	163	150	20	5	120	1,60	2,64
150	150	184	165	19	5	150	1,87	2,75
180	180	223	210	30	5	180	2,09	3,52
240	240	270	250	30	8	240	4,18	6,93
300	300	340	320	30	8	300	5,34	8,86

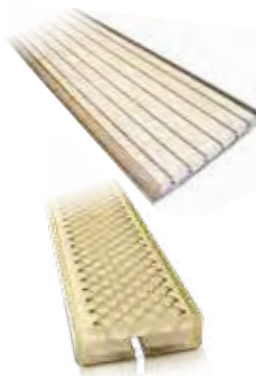
REINFORCED POLYURETHANE SLEEVES

Reinforced polyurethane sleeve for better cut resistance

THE ⊕ OF THE RANGE :

- Thanks to their excellent adhesion to smooth surfaces, they prevent loads from slipping.
- High structural resistance.

Sleeve reference 	Total width A mm	Internal width B mm	Internal height C mm	Sleeve thickness D mm	For webbing of maximum width mm	weight kg/ml
FP2AR/50	74	60	10	5	50	1,50
FP2AR/60	81	70	12	5	60	1,70
FP2AR/75	93	80	12	5	75	2
FP2AR/90	123	110	12	5	90	2,20
FP2AR/100	120	110	12	5	100	2,40
FP2AR/120	163	150	12	5	120	2,80
FP2AR/150	184	165	20	5	150	2,95
FP2AR/180	223	210	20	5	180	3,70
FP2AR/240	270	250	20	8	240	6,85
FP2AR/300	340	320	20	8	300	9,05



Ref : FP2AR

Sleeve on 2 sides with wire rope cable reinforcement on one face.

Ref : FP6

Sleeve on 2 sides mesh reinforcement on one face. From 60 mm.

ARTICULATED POLYURETHANE SLEEVE

LE ⊕ OF THE RANGE :

For optimum sling flexibility.

Ref : FP8



POLYSPRAY – PROJECTED POLYURETHANE

When protection rhymes with flexibility !

CHARACTERISTICS

Spraying of a translucent polyurethane layer with a thickness varying from a few tenths of a mm to 1 mm on our products.

It can be applied on one or both sides, on made-up webbing or on fabric in rolls (50 m maximum).

THE ⊕ OF THE RANGE :

- Applied directly to the webbing fabric, it guarantees excellent penetration of the elastomer into the fabric.
- Low thickness (0.5 to 1 mm).
- The textile retains most of its flexibility and lightness.
- The color and any markings on the webbing remain visible.
- Can protect against the aggression of certain chemicals (consult us).

PMS
INDUSTRIE



» For optimal protection of your loops, we can apply a textile reinforcement along their entire length. For more information, please contact us.



» Projection on round sling



» Projection on lashing webbing



» Projection on flat strap, all dimensions possible



Ref : PP1

1 side sleeve

Ref : PP2

2 sides sleeve

POLYSAFE - COATING



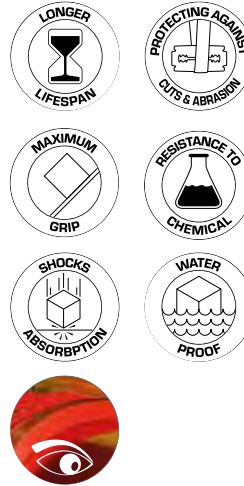
Polyurethane coating poured directly onto textile or steel equipment. Complies with European Directive 2006/42/EC

THE + OF THE RANGE :

- Excellent adhesion to smooth surfaces which prevents loads from slipping.
- Ideal protection when handling objects made of fragile materials (stainless steel tubes, etc...).

The polyurethane coating can be applied on one or both sides, on straps up to 300 mm wide. The coating can be applied to all types of belts with or without rings and over their entire length.

IMPORTANT : The coating is normally applied to the entire surface of the sling, excluding the eye. For all other coatings, please contact us.



Ref : EP1 1 side coating

Ref : EP2 2 sides coating

Ref. EP1	Ref. EP2	Webbing width mm	Total width A mm	Polyurethane thickness D mm	1 side polyurethane weight kg/ml	2 sides polyurethane weight 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 : Shore A hardness: 80 ± 5 (DIN 53505) - Elongation coefficient: 500 % (DIN 53504) - Tear strength: 75 N/ mm (DIN 53515) - Abrasion: 55 mm³ (DIN 53516). Indicative values, subject to change

HONEYCOMB COATING



THE + OF THE RANGE :

- Increased flexibility compared to a standard coating.
- Maximum adhesion.
- The configuration of the coating allows to reduce the surface in contact with the part.
- Protects the load.



This type of product requires a customized study of the project. Please contact us for more information.



FULL COATING

CONFIGURATION :

- 25 mm lifting webbing fully coated with PU.
- With cables trapped in the coating on the body of the strap.

THE + OF THE RANGE :

- Complete protection of the sling: load bearing surface and eyes.
- Reinforced coating with cables for to increase resistance.



COMBINATION OF MULTIPLE PROTECTIONS

CONFIGURATION :

- Lifting sling with a 10T WLL.
- With polyurethane coating centered on the load bearing surface.
- Complete protection of the ends with eyes sprayed reinforcement .

THE + OF THE RANGE :

- Made 100% suitable for use.
- Reduced wear and tear of the sling thanks to the combination of several protection methods.



POLY-CAL®



State-of-the-art technology and original design - Coefficient of use 1: 5

State-of-the-art technology for particularly delicate handling tasks, for ever greater reliability and safety. An original design: the POLY-CAL® sling is practically indestructible and protects your fragile parts during handling.



POLY-CAL® SAFETY MEANS :

- A safety coefficient tested on an approved test bench.
- No risk of pitting for users.
- No risk of breakage by laceration.
- Alternative use on both sides.
- Fully protects parts made of fragile materials. Does not damage parts during handling.

PROPERTIES OF POLYURETHANE ELASTOMER

Chemical characteristics

- Very good resistance to chemical agents,
- Also resistant to salt spray and aging (always remains transparent, allowing visual inspection of the cables),
- Temperature resistance from - 30 °C to + 70 °C.



POLYNAPPE

Solution for handling delicate products - Coefficient of use 1: 5



Ref : POLYNAPPE

THE + OF THE RANGE :

- Flexibility and resistance

The Polynappe is made up of a sheet of 14 steel cable hawsers coated with polyurethane over the length of the span. Manufactured from a single cable, each end is made up of a cabled loop, coated with polyurethane to protect the cable.

POLYNAPPE WITH POLYURETHANE SLEEVE



Special handling of heavy and sharp products - Manufacture from 2,5 to 11 tons

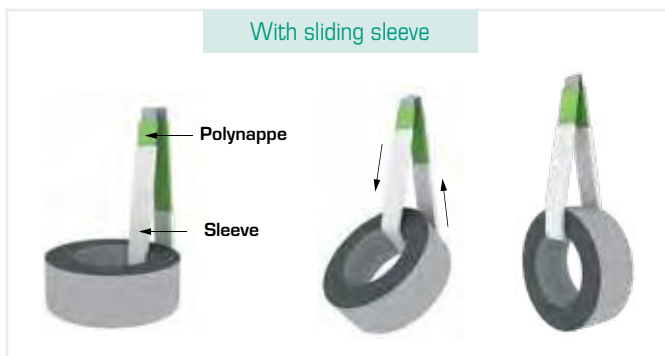
Coefficient of use 1:5

THE + OF THE RANGE :

- The 2-sided sliding polyurethane sleeve enables the sling to slide and thus ensures perfect tensioning..
- Almost no tearing or damage.



Ref : POLYNAPPE/FP2

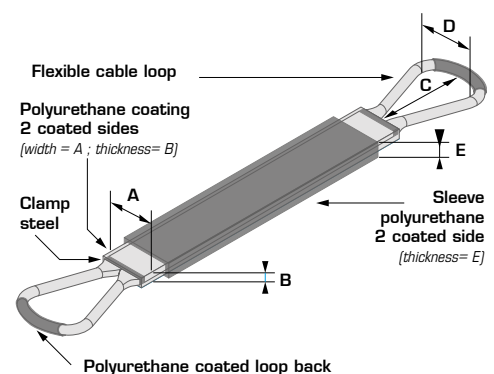


The POLYNAPPE sling is suitable for lifting coils (see diagram above).



In the case of lifting without a sliding polyurethane sleeve, the risk of tearing and damage is much greater (see tear zone, diagram above left).

Designation	CMU kg	Ø cable mm	Dimensions - mm (approximate values)					Weight kg/ml
			A	B	C	D	E	
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



EDGE PROTECTION CORNERS



THE **+** OF THE RANGE :

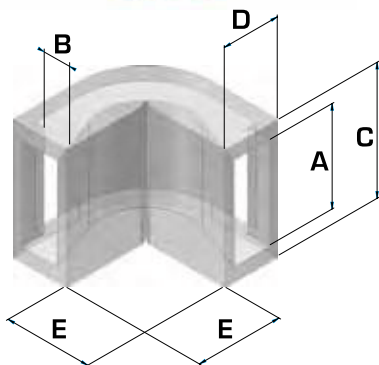
- Protection of textile lashing and lifting systems and lifting systems, chains, and cables.
- Balanced load weight distribution.

- Polyurethane edge protections secure lifting operations for loads with very sharp edges, such as strapping.
- Suitable for lifting with ropes (up to 40 mm diameter) or flat straps (from 65 mm width).
- Corners can be custom molded to fit a specific angle, contact us for a study.
- To be used in pairs.

STANDARD POLYURETHANE CORNERS :

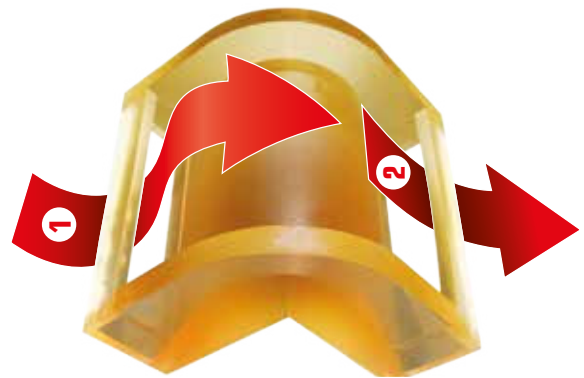
Ref : CPUF

With spline



Ref : CPU

No spline makes it possible to increase the passage area.



IDEAL FOR FLAT AND LASHING WEBBINGS

Ref. with spline	Ref. without spline	Dimensions	A mm	B mm	C mm	D mm	E mm	Weight kg
CPUF 70	CPU 70	70	70	30	100	60	90	0,95
CPUF 90	CPU 90	90	95	30	125	60	90	1,15
CPUF 150	CPU 150	150	155	30	185	60	90	1,55
CPUF 245	CPU 245	245	250	30	280	60	90	2,20
CPUF 330	CPU 330	330	335	30	365	60	90	2,80

Indicative values, subject to change.

IDEAL FOR ROUND SLINGS AND CABLES

Ref : CPUC 50

Ref. with spline	Dimensions	A mm	B mm	C mm	D mm	E mm	Weight kg
CPUCA 50	50	50	80	70	701	90	0,95

Indicative values, subject to change.

MAGNETIZED POLYURETHANE CORNERS :

THE ⊕ OF THE RANGE :

- Easy handling thanks to the magnets.
- Easier positioning on metal corners.



Ref : **CPUA**



Ref : **CPUFA**

Ref. with spline	Ref. without spline	Dimensions	Number of magnets	A mm	B mm	C mm	D mm	E mm	Weight kg
CPUFA 70	CPUA 70	70	2	70	30	100	60	90	1,15
CPUFA 90	CPUA 90	90	2	95	30	125	60	90	1,55
CPUFA 150	CPUA 150	150	4	155	30	185	60	90	1,95
CPUFA 245	CPUA 245	245	6	250	30	280	60	90	2,80
CPUFA 330	CPUA 330	330	6	335	30	365	60	90	3,50

The **CPUC** also exists in a version with magnets (ref **CPUCA**) *Indicative values, subject to change.*

NEW

FLEXIBLE POLYURETHANE CORNERS

The flexible wedge is designed to provide a wider range of uses to protect your equipment.

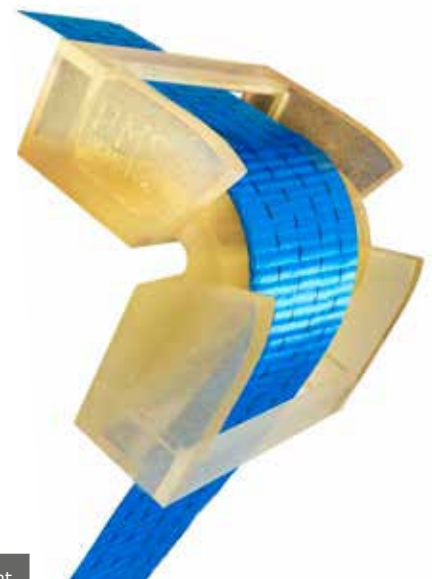
THE ⊕ OF THE RANGE :

- Adapts completely to the surface on which it is positioned thanks to the possibility to increase or reduce the opening of its angle.

Ref. with spline	Ref. without spline	Dimensions	A mm	B mm	C mm	D mm	E mm	Weight kg
CPUFX 70	CPUX 70	70	70	30	100	60	90	0,95
CPUFX 90	CPUX 90	90	95	30	125	60	90	1,15
CPUFX 150	CPUX 150	150	155	30	185	60	90	1,55
CPUFX 245	CPUX 245	245	250	30	280	60	90	2,20
CPUFX 330	CPUX 330	330	335	30	365	60	90	2,80

Indicative values, subject to change.

Ref : **CPUFX**



For maximum adaptability and comfort of use, choose the magnetic flexible corner. Manufactured to order, please contact us.

Ref : **CPUFXA**

With spline

Ref : **CPUXA**

Without spline

POLYURETHANE PROTECTION KEEPER

THE + OF THE RANGE :

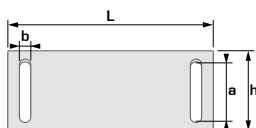


- Allows the strap to slide while avoiding contact and therefore damage to the object itself on the edge.
- Resistant to shearing.
- Protection of the material that you are carrying.

POLYSAFE belt loops are used whenever edges, objects to be handled or the belts themselves are to be protected. To guarantee good protection, the minimum thickness is 4 mm. The loops can be made in any desired size for lashing or lifting equipment.



Ref : DF



Designation	L - mm	h - mm	a - mm	b - mm	For lift webbing of width - mm	For lash webbing of width - mm	For round sling ton
25	250	55	30	10	25	25	-
35	250	65	35	10	30	35	-
55	225	80	55	10	-	50	-
60	450	90	60	30	50	-	1 à 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	-	-

Indicative values, subject to change.

OPENING SYSTEM FOR LOAD TURNER

The opening system allows the webbing to be used as an endless sling

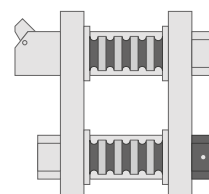
THE + OF THE RANGE :

- Opening system designed to pass easily over the turner pulleys.
- Easy to install.

Can be used for other applications.

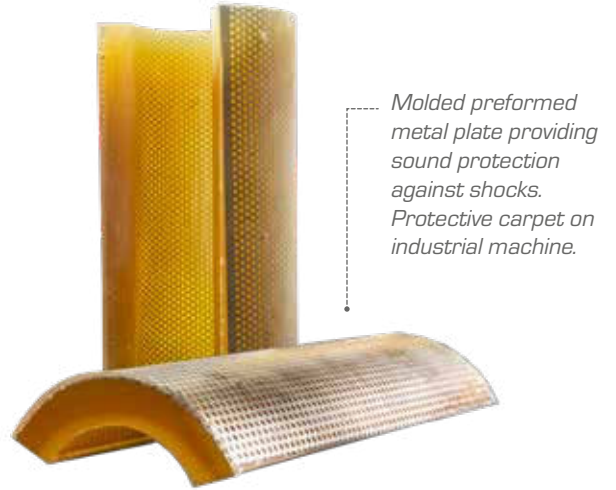
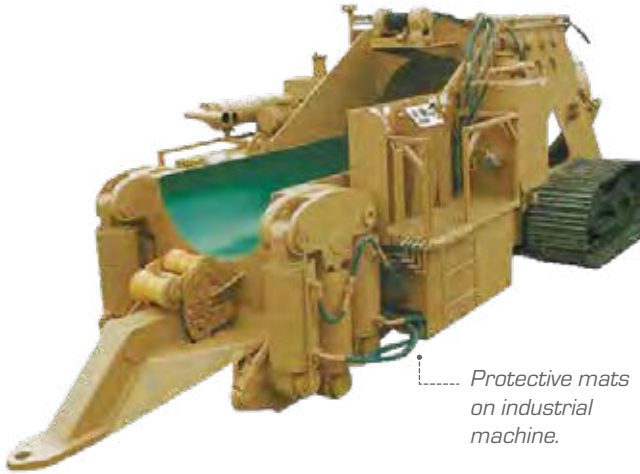
Ref : S0/

Designation	Webbing width mm	WLL ton
30	30	1
60	60	2
90	90	3
120	120	4
120/8T	120	8



POLYURETHANE PROTECTION AT THE HEART OF YOUR COMPANY - Special production

SOUND INSULATION



HANDLING EQUIPMENT PROTECTIONS



Ref : PFPU

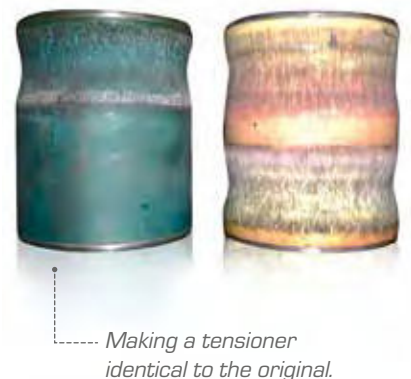
Our manufacturing tooling allows us to adapt to all requests.



Ref : PVPU

Ideal protection against all shocks due to a forklift truck.

EXTENSION OF THE LIFESPAN OF THE EQUIPMENT





Anti-slip mat for slippery environments.

Ref.: TPAD



Flat webbing sling coated with polyurethane blocks fabric-covered polyurethane blocks for aircraft handling for perfect protection of the fuselage.

CUSTOMISED PRODUCTION



Rings for making ALPU beaded cable slings.



POLYCAL - 30 centimeters.



Polyurethane coating on sheet metal for machine cushioning.

LASHING SYSTEM

POWERTRUCK® LC : 5 000 daN - 7,5T* ERGO RATCHET WITH MULTIPLIED TENSIONING FORCE

Polyester webbing width 50 mm (*breaking strength of the webbing only 7,5t or 7500 daN)

Compliant with the standard EN 12 195-2 standard. Traceability - Gencod labelling

THE ADVANTAGE OF AN 800 daN DOUBLE STF: ULTRA POWERFUL AND ECONOMIC TIGHTENING

Thanks to its 800 daN STF, divide your overlap lashing systems by at least 2*

With **POWERTRUCK®**, optimise your lashing process, the safety of the load, the operator and third parties.

STF = Residual strap tension, this is the force that holds the load in place.

Example*

Load, concrete block = 7000 kg

Wooden floor

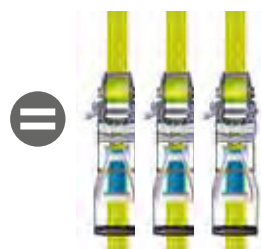
Lashing angle $\beta = 60^\circ$ T

Coefficient of friction $\mu = 0,55$

*The number of lashings is given as a guide for this example. Always perform the calculation to determine the number of lashings needed for your lashing. We also remind you that the minimum number of lashings is 2 for overlapping lashing and 4 for direct lashing.



7 lashing systems required*
Standard (LC 2500 daN) - S_{Tr} 350 daN

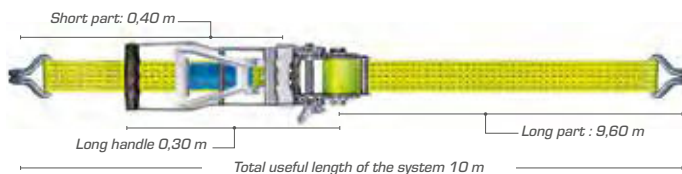


3 lashing systems required*
POWERTRUCK (LC 2500 daN)
 S_{Tr} 800 daN



Ref : 6PT22 1000 40 JAX POWER

With tight finger hooks



THE + OF THE RANGE:

INCREASED TENSIONING FORCE

- The gearing system composed of 3 cogwheels ensures a higher tensioning force for less manual effort.



ERGONOMIC REVERSE TENSIONER

- The reverse tensioning system relieves the user's back. This reduces the risk of musculoskeletal disorders

TIME SAVING

- In frictional lashing, the POWERTRUCK® with its high STF allows high STF allows for fewer lashing systems to be used, while ensuring safe transport.

EASY HANDLING

- A knob on the side of the tensioner makes it easy to wind and unwind the strap around the tensioner axis.



EASIER CLAMPING

- A longer and wider handle for handle for greater comfort of use and reduced operator effort.



OPTIMAL TRACEABILITY

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



PACKAGING

6 pieces per box.
Plastic film per unit.
Instructions supplied with each tensioner.



READ MORE:

DISCOVER OUR SITE
www.powertruck.fr

Roadside checks to verify lashing systems will increase. Directive 2014/47/EU of the European Parliament and of the Council of 3 April 2014, entered into force in May 2018).



TENSO

The lashing that stays tense

1ST LASHING SYSTEM WITH AUTOMATIC TENSION RECOVERY

Strap width 50 mm - High performance progressive ratchet

STF: 400 daN. Compliant with the standard EN 12 195-2

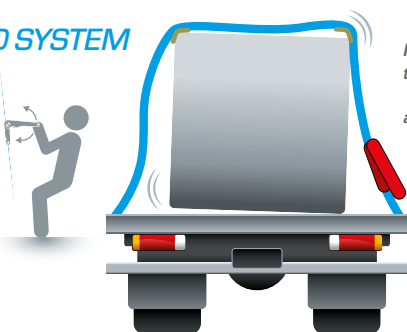
PMS Industrie innovates and develops the **TENSO**® lashing system, a patented lashing system equipped with a tension accumulator. The **TENSO**® compensates for the loss of tension due to transport conditions (braking, bends, vibrations caused by the deterioration of the road surface, etc.) which can be the cause of road accidents.

Innovation rewarded...



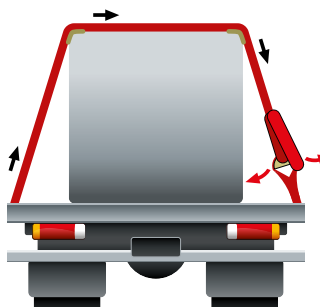
STANDARD SYSTEM

Obligation for the driver to stop to tighten the straps: waste of time.



Faced with road conditions, the webbing floats; the strap slackens: risk of imbalance and loss of the load.

With **TENSO**®, the webbing remains taut, the load is secured.



TENSO

"**TENSO**®": effect: the tension accumulator returns to its original shape and keeps the strap taut.

With 2 polyurethane protection for maximum safety

Standard working length of the lashing system : 9 m

TENSO	LC	Breaking strength of the webbing only		Weight /9 m 2680 g	Ref. TENS01 90030R DF
	4 000 daN				
TENSO+	LC	Breaking strength of the webbing only		Weight /9 m 2860 g	Ref. TENS0+1 90030R DF
	5 000 daN				
TENSO+	LC	Breaking strength of the webbing only		Weight /9 m 2920 g	Ref. TENS0+2 90030R DF
	2 000 daN	6 T			
TENSO+	LC	Breaking strength of the webbing only		Weight /9 m 2860 g	Ref. TENS0+1 90030R DF
	2 500 daN	7,5 T			



READ MORE:
DISCOVER OUR VIDEO
www.powertruck.fr

OTHER PRODUCTS



THE + OF THE RANGE:

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

**According to the order of 4 September 1985, relating to the mountain law*

COMPATIBLE WITH THE MOUNTAIN LAW

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

Removable anti-skid device :

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

TWISTED CHAIN LINKS

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

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



MULTI-FUNCTIONALITY

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

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

2 possible uses :

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

The SnowCramp XXL® is functional on all types of terrain.



Release device



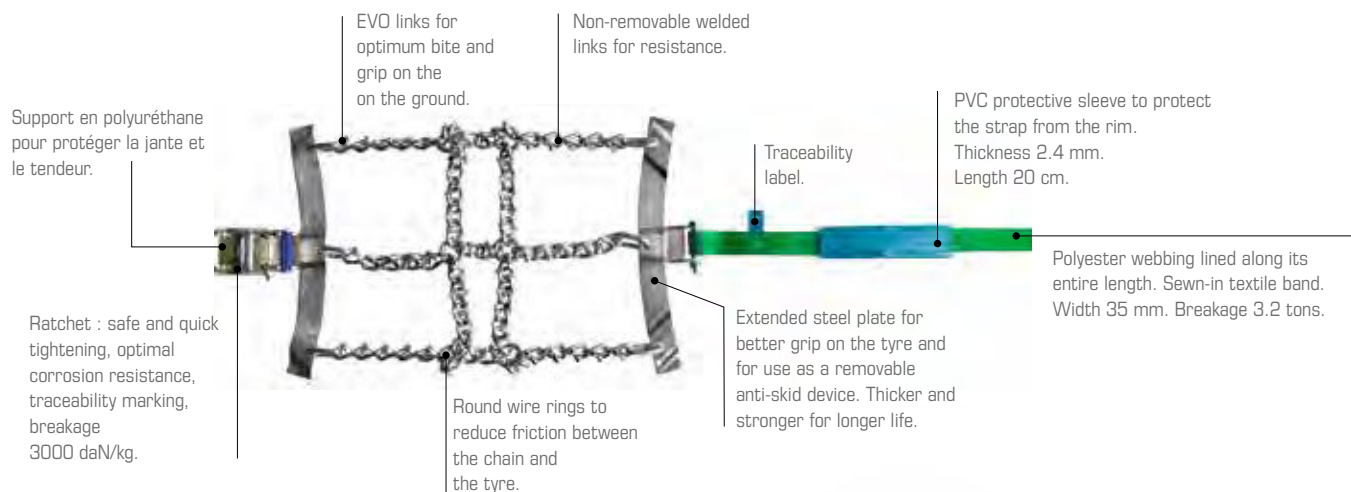
*Removable anti-slip device

YOUR SNOWCRAMP XXL® IN BAG

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



ASSEMBLY IN ONLY 10 MINUTES



YOUR SNOWCRAMP XXL® IN BAG

3 elements per bag

The storage bag is ideal for easy transport and storage, and your chains are also better protected.

On the back of the bag :

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

On the side of the bag :

- A QR code to download the instruction manual.



Your box as an option

For all your showroom presentations, box of 14 bags.

CORRESPONDENCE WITH WHEEL DIMENSIONS

Pneus compatibles	Bord de jante à bord de jante (cm)
9 x R x 16	77,5
9 x R x 20	79
10 x R x 15	83,5
10 x R x 20	84,5
11 x R x 20	88,5
11 x R x 22	88,5
11 x R x 22,5	78
12 x R x 20	95
12 x R x 22,5	84
13 x R x 22,5	89,5
14 x R x 20	113
275 x 80 x 22,5	75
295 x 75 x 22,5	-

Pneus compatibles	Bord de jante à bord de jante (cm)
295 x 80 x 22,5	80,5
305 x 70 x 19,5	76,5
315 x 60 x 22,5	77
315 x 70 x 22,5	75,6
315 x 75 x 22,5	-
315 x 80 x 22,5	84
335 x 80 x 20	90
365 x 80 x 20	99
385 x R x 22,5	93
400 x 70 x 20	-
425 x 65 x 22,5	102,7
445 x 65 x 19,5	108
445 x 65 x 22,5	108

Reference 1 bag for 3 elements : SNOWXXL SAC

Gencod : 3663143704739

Weight for 1 bag : 16,43 kg

Reference 1 élément : SNOWXXL

Gencod : 3663143704760

Weight for 1 élément : 5,37 kg

AB STOP : RETENUE DES AIRBAGS NON DÉCLENCHÉS

Afin de protéger les secours et les victimes d'accidents routiers des déclenchements différés d'airbags, PMS Industrie a développé un système retenant les airbags conducteur et passager.

SYSTÈME CONDUCTEUR

Ref. AB STOP VL Poids 550 g



POUR VÉHICULES LÉGERS
Ø 240 mm

Ref. AB STOP PL Poids 600 g



POUR POIDS LOURDS
Ø 300 mm



Élément à installer sur l'airbag du volant.

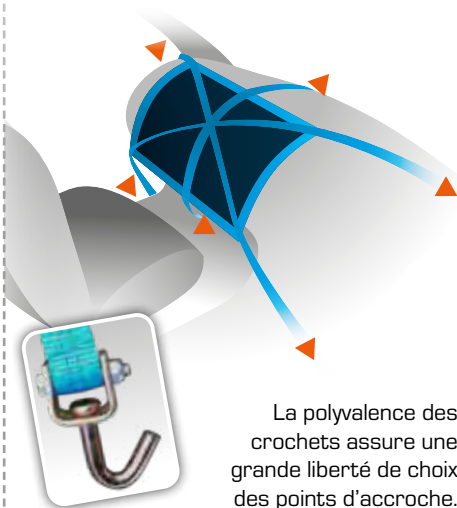
SYSTÈME PASSAGER

Ref. AB STOP PASS Poids 2500 g



POUR VÉHICULES LÉGERS

Grande souplesse d'utilisation grâce à ses grandes longueurs ajustables de sangle pour choisir facilement ses points d'ancrages.



La polyvalence des crochets assure une grande liberté de choix des points d'accroche.

KIT COMPLET

Ref. KIT AB STOP Poids 4500 g



Le kit complet incluant les 3 éléments :

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

PERSONAL PROTECTIVE EQUIPMENT

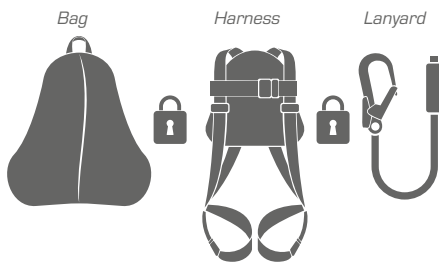
KTP EVO

FALL ARREST AND RESCUE HARNESS



A UNIQUE
CONCEPT

IN 1 **3**



The KTP EVO harnesses are unique on the market: the bag, the harness and the lanyard cannot be dismantled. They provide a complete personal protective system, usable instantly.

PMS industrie is improving this model with the new KTP EVO range and its automatic locking loops with security indicator, improved user comfort...

THE + OF THE RANGE :

- A reversible bag.
- Anti-tourniquet safety.

THE REVERSIBLE BAG ?

- The KTP EVO is usable instantly: the harness is ready to be put on right after the bag is turned over.
- The bag is easy to store and transport. Made of flexible elastane fabric, it protects the equipment.

5 DESIGNS SUITABLE FOR ANY ACTIVITIES



FALL ARREST

KTP EVO 2

COMPLIES WITH STANDARDS
EN361:2002, EN355:2002

Single webbing lanyard (length
2 m).

Shock absorber.

Aluminium connector big opening (64 mm).

Ref. KTP EVO 2



FALL ARREST

KTP EVO 4

COMPLIES WITH STANDARDS
EN361:2002, EN355:2002

Single ELA lanyard with **shock absorber** (length 1 m, max stretched length 2 m).

The "ELA" lanyard is very handy, compact and adapts itself perfectly to the operator's movements. Linear absorption of energy in case of fall to reduce the violence of the shock.

Aluminium connector big opening (64 mm).

Ref. KTP EVO 4



FALL ARREST

KTP EVO 6

COMPLIES WITH STANDARDS
EN361:2002, EN355:2002

Double webbing lanyard (length
2 m).

Shock absorber.

Aluminium connector big opening (64 mm).

Ref. KTP EVO 6



FALL ARREST

KTP EVO 9

COMPLIES WITH STANDARDS
EN361:2002, EN360:2002

Retractable fall arrester:
25mm webbing deployed length
2 m.

The retractable fall arrester with aluminium guard is designed for a minimal clutter.

Aluminium connector big opening (64 mm).

Ref. KTP EVO 9



HOLDING ONLY

KTP EVO 11

COMPLIES WITH STANDARDS
EN361:2002, EN354:2010

Single webbing lanyard. (Regular length 1 m, max 1,5 m).

Aluminium connector big opening (64 mm).

Holding system only.

Ref. KTP EVO 11

FALL ARREST WITH INTEGRATED TRANSPORT BAG

Standard EN 361



Ref : NUS57P

Pack&G'O is a fall arrest harness with an integrated transport bag. It offers to the user a better comfort and allows its quick storage. this harness includes 2 fall arrest attachment points: 1 in the front with textile loop and 1 in the back with metallic D ring.

Pack&G'O is an innovative harness with its anti trauma buckles on legs which reduces the arrest force in case of a fall. It is fitted with automatic buckles on chest and legs straps. Available in 3 sizes it can be easily adjusted by pulling downwards the shoulder straps through the quick buckles .

THE + OF THE RANGE :

- A reversible bag.
- Patented anti-trauma buckles.

S | M - L | XL | XXL*

*On request

THE REVERSIBLE BAG

- The Pack&G'O is ready to use instantly: the harness is ready to be put on right after the bag is turned over.
- The bag is easy to store and transport. Made of flexible elastane fabric, it protects the equipment.



- 1 - Front fall arrest attachment point
- 2 - Back fall arrest attachment point D ring
- 3 - Reversible bag made of fluo neoprene fitted with a comfort back pad
- 4 - Patented anti-trauma buckles
- 5 - removable lanyard-holder
- 6 - Drop indicators (x2)

¹As far as it is associated with fall arrest device tested to 140 kg.

IZI EVO

FALL ARREST HARNESS



—
**MAX
140 KG**
—



Ref : EVOIZI2 2 Points fall arrest harness

Ref : EVOIZI1 1 Points fall arrest harness

Ultra-fast adjustment with 2 clamping handles.

Safety : Side loops eliminate the suspension trauma effect.

Simplified periodic checking : design with only 2 load-bearing seams

for enhanced resistance.

One size fits all : the harness is completely adjustable, allowing all parts to adjust to every shape.

Vertically adjustable sternal attachment point (IZI EVO 2 only).

THE OF THE RANGE :

- Ultra fast adjustment : with 2 clamping handles.
- One size fits all.



1

Put the harness on



2

Pull on both lateral loops for a quick adjustment



3

Ready to use

¹As far as it is associated with fall arrest device tested to 140 kg.

arb'o

TREE CLIMBING BELT

Standard EN 358 / EN 813

—
MAX
140 KG
—



Ref : NELUS152



Ref : NELUS126

Ref : NELUS150

Seat belt for work positioning especially designed for tree climbing. The belt and legs straps integrate a semi-rigid large and breathable pad, made of 3D fabric which improve its comforts. ARB'O is easy to adjust to fit the user with its quick adjustment systems and aluminum automatic buckles. The adjustable elastic webbing connecting the leg straps to the belt facilitates the user ascent on rope.

The double bridge in polyamide rope equipped with aluminum rings, can be easily adjusted and replace through specific knots. The side anchor plate allows not only to connect the double bridge but to connect the work positioning lanyard fitted associated with an ERG'O type rope adjuster. The ARB'O tree climbing belt is also equipped with many loops and tool-holders to carry your working tools and accessories.

THE + OF THE RANGE :

- Legs height adjustment to user's moves with elastic straps.
- Identification label hidden on the back.
- Double bridge in aramid included - Replacement by double fisherman's knots.

S | M-L | XL | XXL*

* On request

- 1 - Lateral attachment points for work positioning
- 2 - Double suspension bridge with anodized aluminum rings
- 3 - Work positioning attachment point on offset plate
- 4 - Large legs and positioning belt with breathable 3D fabric

ACCESSORIES

- 5 - Shoulder straps designed to take the load from the belt to the shoulders for increased comfort
- 6 - Comfortable seat for suspension works

RETRACTABLE FALL ARRESTERS

NEO EDGE / EVO

The NEO EDGE EVO is a fall arrester fitted with a 12 m retractable steel wire rope. User-friendly, it is equipped with a textile carrying handle to facilitate its transport. It is recommended for both vertical and horizontal use for any user up to 140 kg. The shock absorber on the cable termination is protected by a polyester cover.



TECHNICAL SPECIFICATIONS

- Vertical and horizontal use
- Maxi user weight 140 kg
- Lanyard in galvanized steel cable, 12 m Ø 4,8 mm
- Composite housing PA Polyamid + fiber glass
- Static resistance >12 kN
- Arrest force < 600 daN
- Minimum clearance when use in vertical : 2,6 m
- Minimum clearance when use in horizontal : 5,1 m
- Swivel anchor hook on top fitted with automatic twist lock connector in aluminum, opening 22 mm
- Automatic swivel connector on cable with fall indicator opening 28 mm in anodized aluminum
- Carry handle in textile and elastomer (not intended for anchorage)
- Temperature of use : -30°C to +50°C
- Weight : 5,4 kg

Ref : **NEO120EVO**

EAGLE EDGE

The Eagle Edge is a fall arrester equipped with a 6 m webbing line retracting automatically and fitted with 2 pawls braking immediately in case of fall and with an internal energy dissipating element. Lightweight and compact, it is recommended for both vertical and horizontal use for all users weighing up to 140 kg.



TECHNICAL SPECIFICATIONS

- Vertical and horizontal use
- Maxi user weight 140 kg
- Dyneema webbing wide 25 mm (R>22 kN)
- Composite housing PA Polyamid + fiber glass
- Static resistance >15 kN
- Arrest force < 600 daN
- Vertical minimum clearance : 2,6 m
- Horizontal minimum clearance : 4,0 m
- Swivel anchor hook on top fitted with automatic twist lock connector in aluminum, opening 22 mm
- Automatic swivel connector on cable with fall indicator opening 28 mm in anodized aluminum
- Temperature of use : -30°C to +50°C
- Weight : 1,8 kg

Ref : **NEO060**

NEO035 - EDGE

Lightweight and compact fall arrester fitted with a self-retracting high density polyethylene webbing lanyard. Compatible in a horizontal use for a maximum load up to 140 kg. The shock absorber is packaged in a polyester bag.



TECHNICAL SPECIFICATIONS

- Vertical and horizontal use
- Total length 3,5 m
- Maxi user weight 140 kg
- High density polyethylene webbing, wide 25mm (R>22kN)
- Aluminum housing
- Static resistance >15 kN
- Arrest force < 600 daN
- Vertical minimum clearance : 2,6 m
- Horizontal minimum clearance : 5,0 m
- Swivel anchor hook on top fitted with screw gate connector, opening 18 mm
- Automatic swivel connector with fall indicator in anodized aluminum
- Temperature of use : -30°C à +50°C
- Weight : 1,7 kg (NEO035AK) - 2,1 kg (NEO035AX)

Ref : **NEO035**

NEO020 - EDGE

Lightweight and compact fall arrester fitted with a self-retracting high density polyethylene webbing lanyard. Compatible in a horizontal use for a maximum load up to 140 kg. Compatible for a fall factor 2 use. The shock absorber is packaged in a polyester bag.



TECHNICAL SPECIFICATIONS

- Vertical / horizontal use and fall factor 2
- Total length 2 m
- Maxi user weight 140 kg
- High density polyethylene webbing, wide 25mm (R>22kN)
- Aluminum housing
- Static resistance >15 kN
- Arrest force < 600 daN
- Vertical minimum clearance : 2,5 m - in factor 2 : 5,30 m
- Horizontal minimum clearance : 4,5 m
- Swivel anchor hook on top fitted with screw gate connector, opening 18 mm
- Automatic swivel connector with fall indicator in anodized aluminum
- Temperature of use : -30°C à +50°C
- Weight : 1,35 kg (NEO020AK) - 1,70 kg (NEO020AX)

Ref : **NEO020**

NEO020EVO

Lightweight and compact fall arrester fitted with a self-retracting high tenacity polyethylene webbing lanyard. Housing made of clear polycarbonate. Tested to fall factor 2. The shock absorber is protected by a polyester cover.



TECHNICAL SPECIFICATIONS

- Total length 2 m
- Tested to fall factor 2
- Maxi user weight 140 kg
- High tenacity polyethylene webbing, width 20mm (R>22kN)
- Polycarbonate housing
- Static resistance >15 kN
- Arrest force < 600 daN
- Vertical minimum clearance : 2,4 m - in factor 2 : 5,2 m
- Swivel anchor hook on top fitted with screw gate connector, opening 18 mm
- Automatic swivel connector with fall indicator in anodized aluminum
- Temperature of use : -30°C à +50°C
- Weight : 1,1 kg (NEO020EVOAK) - 1,4 kg (NEO020EVOAX)

Ref : NEO020EVO

NCS7HO

Fall arrester fitted with retractable cable lanyard and with a braking system with two pawls for immediate locking in case of a fall . It includes an integrated kinetic energy dissipating element. Its design allows to use it in vertical and horizontal use.



TECHNICAL SPECIFICATIONS

- Lanyard in galvanized steel cable Ø 5mm, length 7 m
- High resistance synthetic housing with fiber glass
- Corrosion treated components
- Static resistance > 1200 daN
- Arrest force < 600 daN
- Necessary minimum clearance in vertical application : 2,7 m
- Necessary minimum clearance in horizontal application : 4 m
- Anchor connector with manual locking, opening 18 mm
- Swivel hook connector on cable end, with fall indicator and automatic locking, opening 20 mm
- Temperature of use : from -30° to +50°C
- Weight : 5,0 kg

Ref : NCS7HO

NCS

Fall arrester fitted with retractable cable lanyard and with a braking system with two pawls for immediate locking in case of fall. It includes an integrated kinetic energy dissipating element.



TECHNICAL SPECIFICATIONS

- Max user weight 140 kg
- Lanyard in galvanized steel cable Ø 4 mm for lengths 5 and 10 m, Ø 5 mm for lengths 15 and 20 m
- High resistance synthetic housing (NCS15/NCS20)
- High resistance synthetic housing with fiber glass (NCS5/NCS10)
- Corrosion treated components
- Static resistance ≥ 1200 daN
- Arrest force < 600 daN
- Minimum clearance : 2,6 m (NCS5 /10) and 2,7 m (NCS15 /20)
- Temperature of use : -30° C to +50° C
- Anchor connector with manual locking, opening 18 mm
- Swivel hook connector with automatic locking on cable end, opening 20 mm with fall indicator

Ref : NCS10

NS TS

Fall arrester fitted with a self retracting steel wire rope line and a braking system with 2 pawls for immediate locking in case of fall. It includes an internal kinetics energy dissipating element. A rescue winch can be activated after a fall to lift a worker for a safe rescue



TECHNICAL SPECIFICATIONS

- Maxi user weight 140 kg
- Galvanized cable Ø 4,5 mm (R > 12 kN)
- Epoxy painted steel housing
- Locking speed : 20 m/mn
- Static resistance : > 12 kN
- Arrest force : < 600 daN
- Vertical minimum clearance : 2,5 m
- Recovery function is activated by 1/4 turn knurled knob
- Recovery indicator
- Swivel snap hook opening 20 mm ref. : NM18LFT
- Temperature of use : -30° C to +50° C

Ref : NS15TS /20TS /30TS

NS

Fall arrester fitted with retractable cable and with a braking system with two pawls for immediate locking in case of a fall. It includes an integrated kinetic energy dissipating element.



Ref : NS30/ 40

TECHNICAL SPECIFICATIONS

- Galvanized steel wire rope Ø 4 mm, lengths 30 or 40 m (R > 12 kN)
- Maximum user weight 140 kg
- Epoxy painted steel housing
- Vertical minimum clearance = 2,4 m
- Locking speed : 20 m/mn
- Static resistance > 12 kN
- Arrest force ≤ 600 daN
- Swivel hook connector with automatic locking and fall indicator, opening 20 mm ref. : NM18LFT
- Temperature of use : -30° C to +50° C

NMINABS5

Lightweight and compact fall arrester fitted with a self-retracting webbing lanyard. A tear webbing shock absorber under heat shrunk sleeve limits the impact due to the sudden arrest of a fall.



Ref : NMINABS5

TECHNICAL SPECIFICATIONS

- Total length 2,5 m
- Maxi user weight 140 kg
- Polyamide webbing lanyard wide 46 mm (R > 18 kN)
- Steel structure
- Static resistance > 15 kN
- Arrest force < 600 daN
- Vertical minimum clearance : 2,5 m
- Screw gate connector fitted on top anchorage, opening 18mm
- On webbing side : automatic swivel connector with fall indicator, opening 28 mm in anodized aluminum
- Temperature of use : -30°C to +50°C
- Weight : 1,1 kg

NEO025AK - AX

Lightweight and compact fall arrester fitted with a self-retracting high density polyethylene webbing lanyard. Protect housing made of transparent polycarbonate.



Ref : NEO025AK - AX

TECHNICAL SPECIFICATIONS

- Total length 2,5 m
- Maxi user weight 140 kg
- High density polyethylene webbing, wide 19mm (R>18kN)
- Polycarbonate housing
- Static resistance >15 kN
- Arrest force < 600 daN
- Vertical minimum clearance : 2,2 m
- Swivel anchor hook on top fitted with screw gate connector, opening 18 mm
- Automatic swivel connector with fall indicator in anodized aluminum
- Temperature of use : -30°C à +50°C
- Weight : 0,95 kg (NEO025AK) - 1,25 kg (NEO025AX)

ASC'O - MOBILE FALL ARRESTES ON ROPE

ASC'O® is a mobile fall arrester in aluminum to use on TWIST 11® rope to secure your works at height. In normal use, the device slides hands free on the rope up and down automatically. Should a fall occur or in case of unexpected descent, the ASC'O® locks instantly and secures the user.

With its unique patented opening system, ASC'O® mobile fall arrester associates comfort of use and maximum safety. It can be locked on the rope with a locking button to allow the user to remain hands free at any level of the rope.

TECHNICAL SPECIFICATIONS

- Maxi user weight 140 kg
- Mobile fall arrester in aluminum
- Locking button
- Aluminum twist lock connector opening 18mm for connexion to the full body harness
- Static resistance on rope >15 kN
- Arrest force < 6kN
- Weight : 320g (without connector)

Available options :

- NEX.35 : extension webbing lanyard with automatic aluminum connector
- ABS'O® 40 : shock absorber with automatic aluminum connectors for an horizontal use
- TWIST 11® - NTWISTC : Ø11mm high density polyamide rope with sewn termination and stopper



LOAD FALL ARRESTER

neofeu)

BIG SERIES 300 KG TO 5000 KG SERIE BIG

Neofeu load arresters consist in an efficient solution in many fields of applications to automatically arrest the fall of a load. They offer an additional protection in case of failure of the primary system intended to restraint or transport the loads. In such case, the brake activates and locks the load on a short distance (few centimeters).

TECHNICAL SPECIFICATIONS

- Steel casing epoxy treated
- Zinc plated screws and bolts
- Quick locking brake with two pawls
- Galvanized steel cable
- Standard locking speed : 20 m/min (Factory setting on request)



TEST BENCHES



30 TONS

Measure a product's tensile strength by applying balanced forces outward.

100 TONS

Measures the compressive strength of a product by applying balanced inward forces.

120 TONS

Measure a product's tensile strength by applying balanced forces outward.

300 TONS

Measure a product's tensile strength by applying balanced forces outward.

2600 TONS

Measure the resistance of a product to traction by applying balanced forces towards the outside, or to compression by applying balanced forces towards the inside.



80 TONS

Measure a product's tensile strength by applying balanced forces outward.

TEST TOWER (PPE)

10 meters high.



TEST TOWER (PPE)

6,30 meters high.





by **PMS** GROUP



FRENCH MANUFACTURER



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