

POLYSAFE SLEEVES

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

Ref : FP1

Ref : FP2



According to your requirements, the POLYSAFE sleeves can be dyed in several visible colours in order to maximize the safety of your personnel. Contact us for details.



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

- 1 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 trans-

parent 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 POLYSAFE sleeves avoid the sliding of slings.

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 mm³ (DIN 53516). Values given for indication only, subject to modifications.



POLYURETHANE SPRAYING

When protection means flexibility!



- 1 Webbing protection against abrasion and humidity
- 2 Enhances the life of the slings
- 3 High flexibility

Polyurethane spraying – applied directly on the webbing – ensures optimal penetration of the elastomer into the webbing.

A thin layer (0.5 to 1 mm) is enough to protect the webbing against abrasion and humidity, but it is not appropriate against chemicals attacks (use a POLYSAFE coating in that case).

A polyurethane spraying is applied on single side or both sides of webbing slings and 50 meters (maximum) webbing rolls.

Example of use: *lifting of loads with a rough surface such as concrete pipes, marble blocks, flat steel bars, and any use on road work sites.*

The polyurethane spraying provides some resistance properties to the slings in contact with some specific chemicals. Please contact us for further information.

EXAMPLES OF POLYURETHANE SPRAYING FINISHES



» Spraying on eye (category 2)



» Spraying on lashing sling



» Spraying on round sling



» Spraying on flat webbing sling, any dimension available

POLY-CAL®

Advanced technology combined with original design

Safety factor 5:1

Ref : POLY-CAL



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

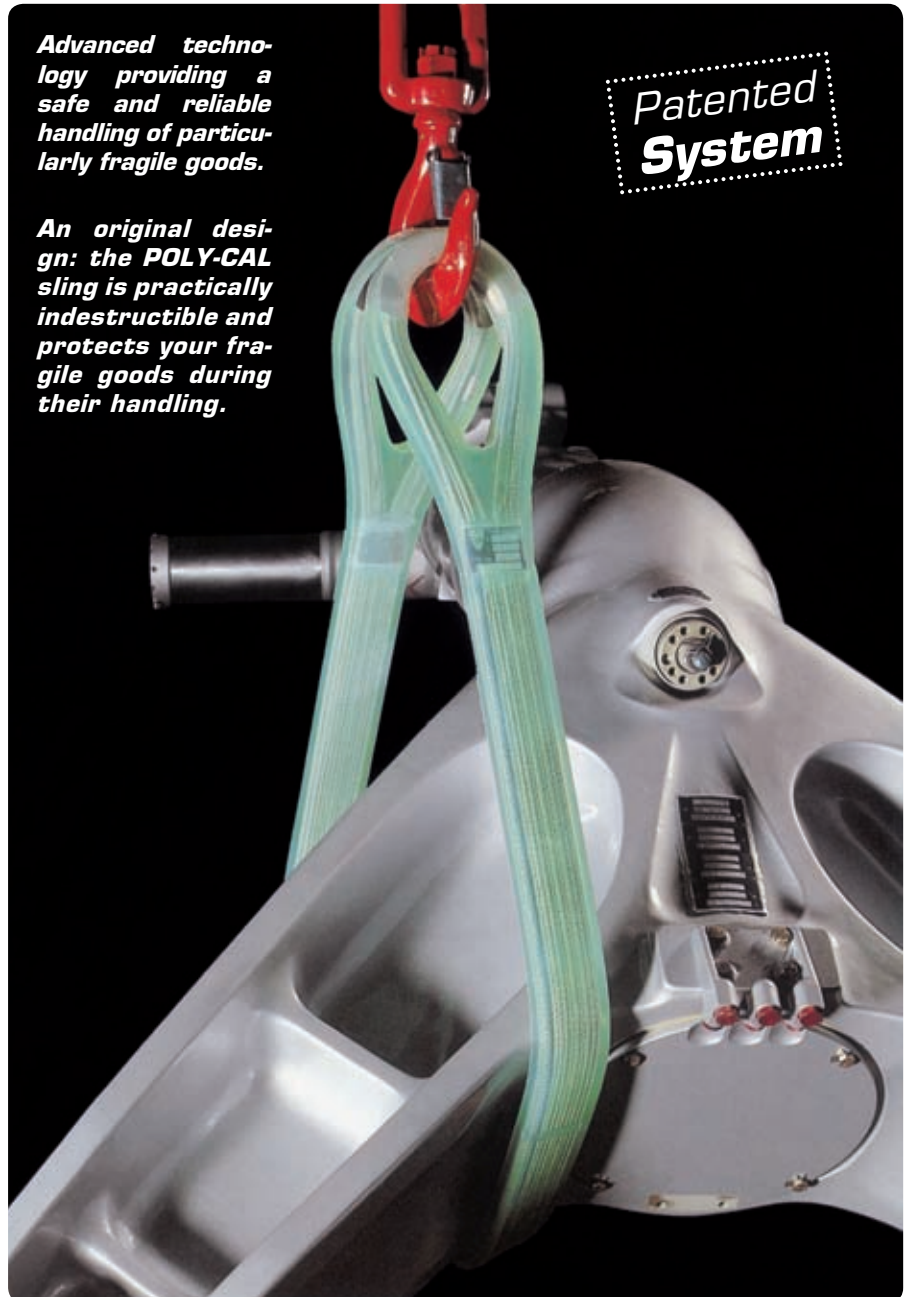
A POLY-CAL® sling:

- ▶ Provides full protection to fragile loads
- ▶ Never damages the loads during their handling

Advanced technology providing a safe and reliable handling of particularly fragile goods.

An original design: the POLY-CAL sling is practically indestructible and protects your fragile goods during their handling.

Patented System

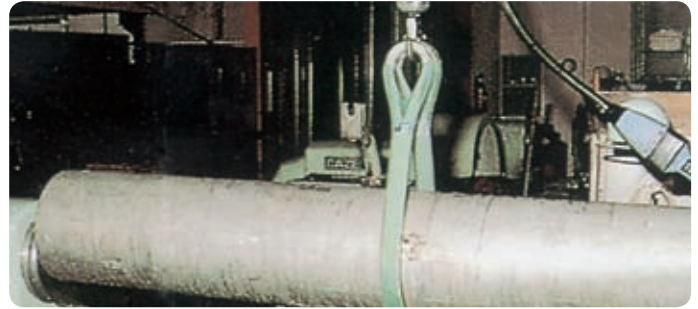
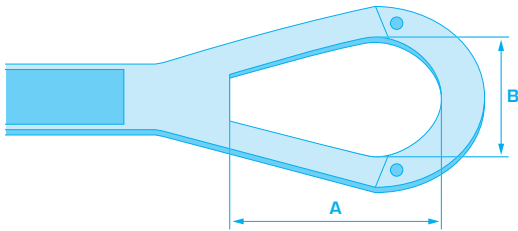


POLY-CAL® SAFETY MEANS:

- ▶ 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 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.

Ref : POLY-CAL



Designation	WLL kg	Length m	Width m	Dimensions mm			Weight kg
				Thickness	A	B	
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

Physical properties: A-shore-hardness: 80 ± 5 (DIN 53505) - Breaking load: 30 MPa (DIN 53504) - Coefficient of elongation: 500% (DIN 53504) - Tear resistance: 75 N/mm (DIN 53515) - Abrasion: 55 mm³ (DIN 53516) - Dielectrical. *Values given for indication only, subject to modifications.*

PROPERTIES OF POLYURETHANE ELASTOMER

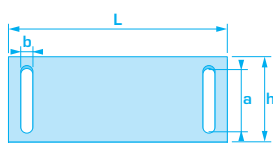
Chemical features

- ▶ 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.

POLYSAFE EDGES PROTECTIONS

- 1 Protection of lashing systems, chains and wire ropes
- 2 Balanced repartition of the load
- 3 Easy handling thanks to the magnets
- 4 Longevity enhancement
- 5 Used both for lifting and lashing purposes

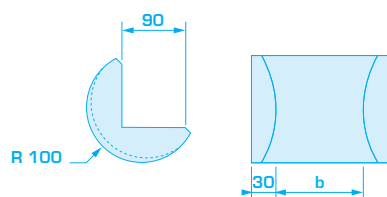
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POLYSAFE protection keepers are used when the edges of goods to be handled have to be protected, as well as to protect the slings themselves. The POLYSAFE protection keeper has been designed to position the sling easily and safely without damaging 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 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	-	-

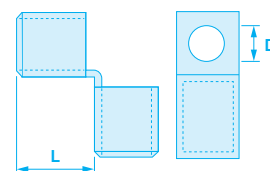
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Designation	b mm	Quantity of magnets (up to)
25	30	2
40	45	2
65	75	2
75	85	4
100	110	4
125	135	4
150	165	4
200	220	8
300	320	10

POLYSAFE corner protections are mainly used for the lifting of sharp edge loads (such as coils) with wire rope slings (up to 40 mm diameter) or flat webbing slings (from 65 mm width). To make the use of POLYSAFE corner protections easier, we can add some magnets. We also provide custom-designed POLYSAFE corner protections moulded according to your requirements for specific lifting.

Ref : KWS



Designation	D mm	L mm	For slings tons
25	30	80	1-2
40	50	125	3-6

Wire rope slings and round slings can slide into POLYSAFE corner protections (Ref. KWS).