

LASHING SYSTEMS AND TRUCK BODY BUILDING EQUIPMENT



- Towing slings »
- Lashing chains / binders »
- Lashing tracks & connectors »
- Truck body building »
- Crane lifting bases »

All lashing systems available as 1- or 2-part models, also in dimensions and with end fittings (page 11-26) of customer's choice. Manufactured in our own sewing shop in Finland. **All Haklift lashing systems are in accordance with the new EU standard EN 12195-2 including their LC values!**

STRUCTURE OF RATCHET TIE DOWNS AND LASHING CAPACITY (LC)

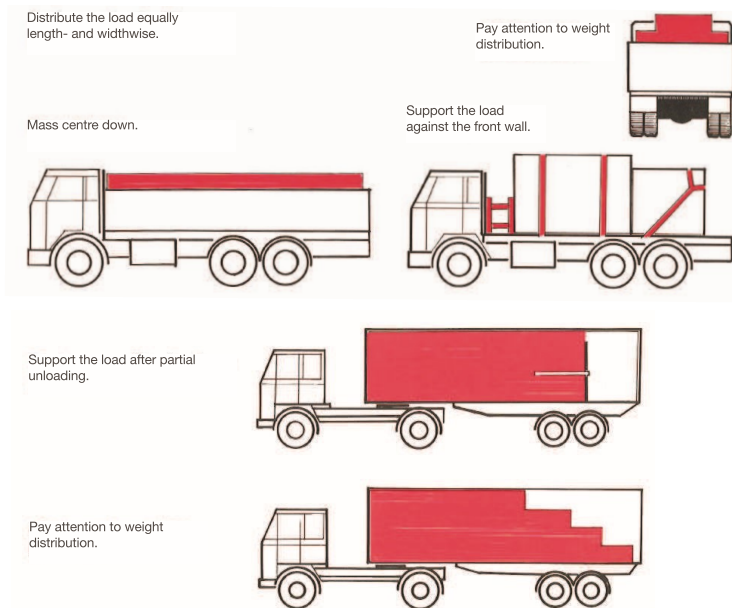


The regulations regarding the lashing of cargo in road transport in Finland differ from those in the rest of the EU region. In Finland the regulation is Decree 940/82 of the Finnish Transport Agency.

In the EU region a term LASHING CAPACITY (LC) is in effect.

Webbing material 100 % polyester.

PLACING THE LOAD



FRICTION AND LASHING FORCE

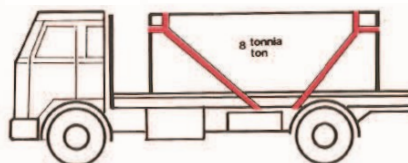
The amount of friction force depends on the roughness of contact surfaces and the weight of the load. It is weakened significantly by ice, impurities and dampness. The size of contact surface areas do not affect the friction force.

pallet	friction coefficient
dry	0,3
damp	0,2
snowy	0,1

Example:

Vehicle load weight = 8 t
 Friction between load and pallet = 0,2
 Friction force $(0,2 \times 8 \text{ t}) \approx 1,6 \text{ t}$ (16 kN)
 In addition to friction the following securing requirements should be met:

- forward $8 \text{ t} - 1,6 \text{ t} = 6,4 \text{ t}$ (64 kN)
- sideways $4 \text{ t} - 1,6 \text{ t} = 2,4 \text{ t}$ (24 kN)
- backward $4 \text{ t} - 1,6 \text{ t} = 2,4 \text{ t}$ (24 kN)



LASHING FORCES

Direction	Sling t	Friction coefficient = 0,2 $0,2 \times 16 \text{ t} \approx 3 \text{ t}$	Total t	Requirement t (kN)
Forward $\leq 60^\circ$ 4 x 3,5 t	14	3	17	16 tn (160 kN)
Sideways $= 90^\circ$ 0,25 x 6 x 3,5 t	5,3	3	8,3	8 tn (80 kN)
Backward $\leq 60^\circ$ 2 x 3,5 t	7	3	10	8 tn (80 kN)

SECURING THE LOAD

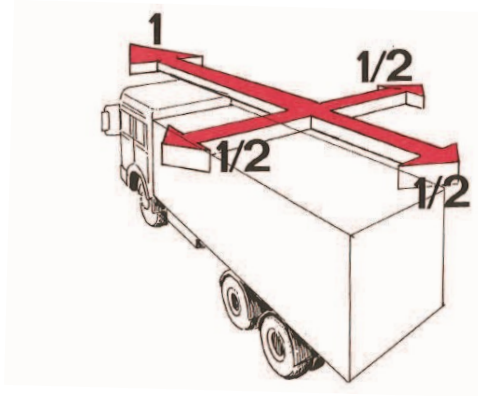
Decree 940/82 of the Finnish Transport Agency FTA

APPLIES TO

- trucks
- truck trailers, when the total weight is over 3,5 t

The load must be secured in a way that it will endure

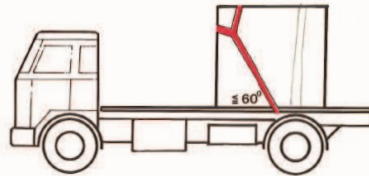
- weight of the entire load forward
- half of the load weight sideways and backwards



LASHING ANGLE

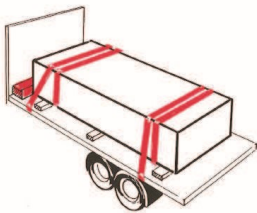
Greatest lashing force is achieved when the lashing device is in a horizontal position. The lashing force can be calculated according to the table below.

Angle of the lashing device	Lashing force % from the nominal capacity
0–60°	100
70°	70
80°	35
90°	25



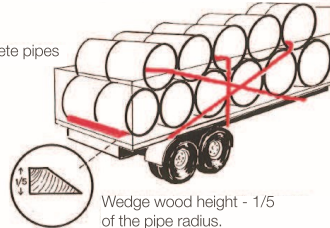
EXAMPLES OF CARGO SECURING

Heavy plate stacks



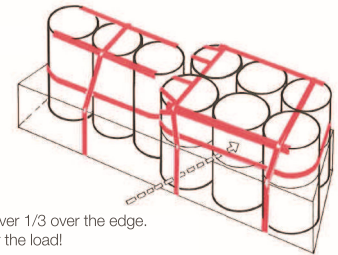
Tempered chain \varnothing 10mm (3/8").
If lashing webbings are used, corner protectors must also be used.

Concrete pipes



Wedge wood height - 1/5 of the pipe radius.

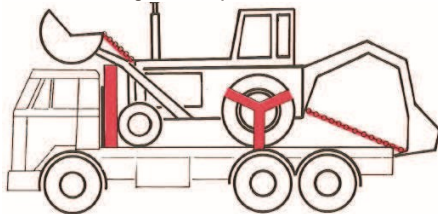
Paper rolls



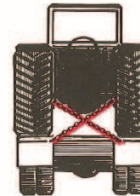
Roll stands over 1/3 over the edge.
Always cover the load!

TRANSPORTATION OF CONSTRUCTION MACHINES

1. Switch to the parking brake and to a small gear.
2. No machine part should rely merely on hydraulics. Dislocation during the journey must be prevented with a cylinder lock or other appropriate mechanic device.
3. Bind from a rigid or heavy axle.

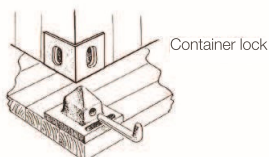


Prevent the device from moving sideways!

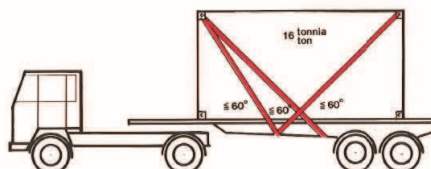


TRANSPORTATION OF CONTAINERS

In the transportation of containers a vehicle equipped with container locks must primarily be used.



If a container cannot be locked with container locks it must be bound with at least four separate bindings.



LASHING SYSTEMS - WIDTH 25 MM



LC 400 KG, 5 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bag	400	800	0,4 + 4,6	25	50	SV100052EC
Bulk	400	800	0,4 + 4,6	25	50	SV100052ECI



LC 500 KG, 5 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bulk	500	1000	0,4 + 4,6	25	45	SV100052I
Cardboard	500	1000	0,4 + 4,6	25	40	SV100052



LC 500 KG, 5 M STAINLESS AISI 304

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	400	800	0,4 + 4,6	25	1	SV100052R

LASHING SYSTEMS - WIDTH 25 MM



LC 400 KG, 5 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bulk	400	800	0,3 + 4,7	25	50	SV100052SS



2 pcs/box

PREMIUM LC 750 KG, 5 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Box	750	1500	0,3 + 4,7	25	2	SV100052PRE



LC 500 KG, 5 M 1-PART

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	400	800	5	25	60	SV100051

LASHING SYSTEMS - WIDTH 35 MM



LC 1000 KG, 6 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bulk	1000	2500	0,5 + 5,5	35	18	SV150062I
Cardboard	1000	2500	0,5 + 5,5	35	18	SV150062



LC 1000 KG, 6 M STAINLESS AISI 304

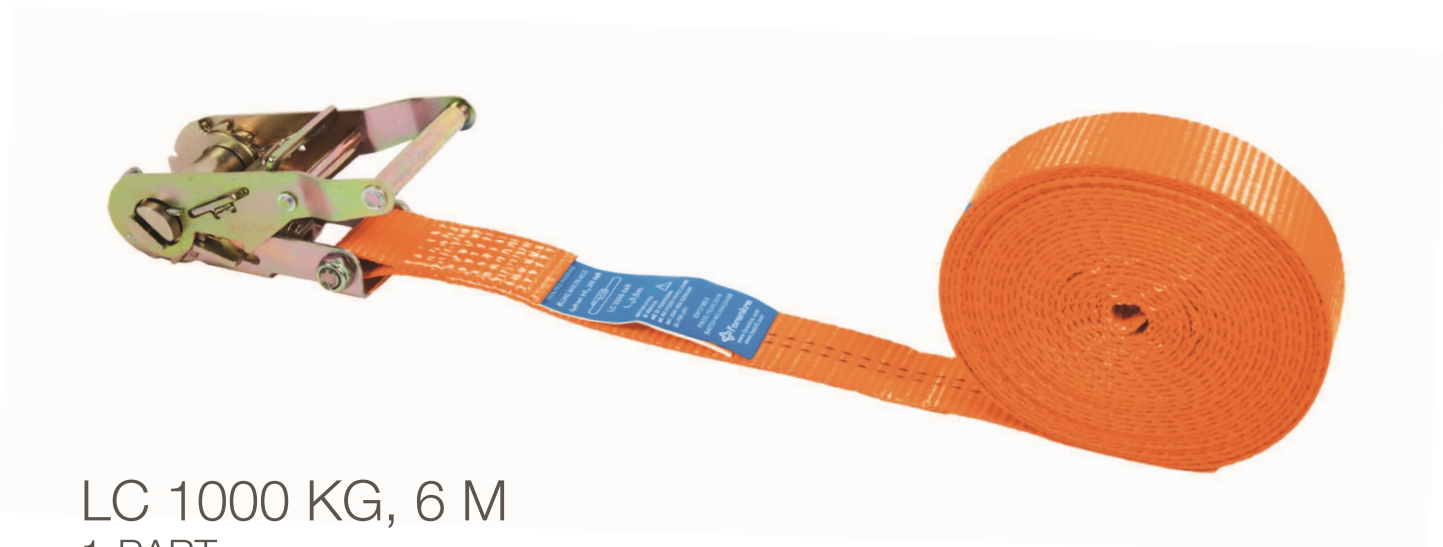
Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	1000	2500	0,5 + 5,5	35	1	SV150062R

LASHING SYSTEMS - WIDTH 35 MM



PREMIUM LC 1000 KG, 6 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Box	1000	2500	0,4 + 5,6	35	1	SV150062PRE



LC 1000 KG, 6 M 1-PART

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bulk	1000	2500	6	35	18	SV150061

LASHING SYSTEMS - WIDTH 50 MM



LC 1700 KG, 10 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bulk	1700	4000	0,5 + 9,5	50	10	SV2000102H
Cardboard	1700	4000	0,5 + 9,5	50	10	SV2000102P



LC 1500 KG, 10 M STAINLESS AISI 304

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	1500	3000	0,5 + 9,5	50	1	SV2000102R

LASHING SYSTEMS - WIDTH 50 MM



PREMIUM LC 2000 KG, 10 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Box	2000	5000	0,4 + 9,6	50	1	SV2500102PRE



LC 1700 KG, 10 M 1-PART

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	1700	5000	10	50	1	SV2000101

LASHING SYSTEMS - WIDTH 50 MM



LC 2000 KG, 10 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Bulk	2000	5000	0,5 + 9,5	50	10	SV2500102



LC 2000 KG, 10 M DOWNWARD TIGHTENING ERGO-MODEL



With long handle

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size kpl	Product code
Bulk	2000	5000	0,5 + 9,5	50	8	SV2500102E

LASHING SYSTEMS - WIDTH 50 MM



LC 2000 KG, 10 M 1-PART

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size kpl	Product code
Bulk	2000	5000	10	50	1	SV2500101



LC 2500 KG, 10 M

Color	Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs / box	Product code
Orange	Bulk	2500	5000	0,5 + 9,5	50	10	SV3500102
Green	Bulk	2500	5000	0,5 + 9,5	50	10	SV3500102NATO

LASHING SYSTEMS - WIDTH 50 MM



With long handle

LC 2500 KG, 10 M DOWNWARD TIGHTENING ERGO-MODEL

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	2500	5000	0,5 + 9,5	50	1	SV3500102E



LC 2500 KG, 10 M 1-PART

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	2500	5000	10	50	1	SV3500101

LASHING SYSTEM - WIDTH 50 MM

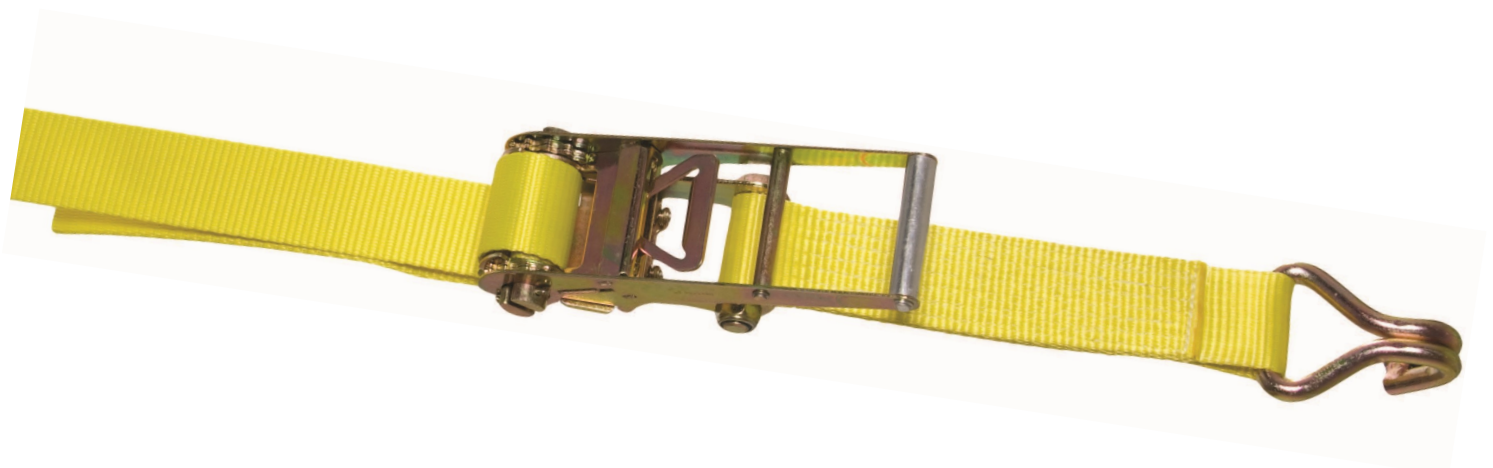


LC 3000 KG, 10 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	3000	6000	0,5 + 9,5	50	1	SV4300102

LASHING SYSTEMS - WIDTH 75 MM

- for lashing extremely heavy items on ships and carriages etc.



LC 4300 KG / MBL 10000 KG, 6 M / 10 M

Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	4300	10000	0,5 + 5,5	75	1	SV700062
Bulk	4300	10000	0,5 + 9,5	75	1	SV7000102

LASHING SYSTEM FOR TRAILERS - WIDTH 50 MM

- for lashing trailers on ships
- standard end fittings forged hook and elephant hook
- webbing material 100 % polyester



MBL 10000 KG, 3 M

Package	Breaking strength straight kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	10000	0,5 + 2,5	50	1	SV10032

LASHING SYSTEM FOR TRAILERS - WIDTH 75 MM

- for lashing trailers on ships
- standard end fittings forged hook and elephant hook
- webbing material 100 % polyester



MBL 20000 KG, 2,5 M

Package	Breaking strength straight kg	Length m	Band width mm	Packing size pcs	Product code
Bulk	20000	0,5 + 2,0	75	1	SV200252L

LASHING CHAINS FOR LOAD BINDERS

- for lashing extremely heavy items on ships and carriages etc.
- latch hooks as standard end fittings
- short link chain black or shiny electro galvanized chain
- also available with grade 100 components, ask more from our sales



Chains are packed in retail bags



Chain size	LC	Breaking strength	Standard length	Weight	Product code	Product code
mm	kg	kg	m	kg	Electro galvanized	Black
6	2250	4500	5	4,6	SIK0605K	SIK0605
8	4000	8000	5	8,4	SIK0805K	SIK0805
10	6300	12600	5	12,7	SIK1005K	SIK1005
13	10600	21200	5	21,9	SIK1305K	SIK1305
16	16000	32000	5	34,6	-	SIK1605

LOAD BINDERS FOR LASHING - RATCHET TYPE

- for short link lashing chains
- binders with direction switch and grab hook ends
- paint coated



EN-load binders' hooks are equipped with locking and vanes for holding the chain in place.



Chain size	Breaking strength	LC	Tensioning reserve approx.	Weight	Product code
mm	kg	kg	mm	kg	
6	4000	2000	150	1,6	VA6
8 - 10	8600	4300	150	4,8	VA8
10 - 13	15000	7500	150	5,8	VA1013
13 - 16	21000	10500	150	6,5	VA16

EN 12195-3 - standard load binders

8	8000	4000	200	4,8	VA8EN
10	12600	6300	200	5,6	VA10EN
13	20000	10000	200	6,6	VA13EN
16	32000	16000	300	10,5	VA16EN

Load Binder - POWERTEX

General: Safety, reliable design for easy operation. No requirement for locking of handle than lever type loadbinders.

Standard: With hooks.

Material: High quality drop forged construction. Heat treated for extra strength.

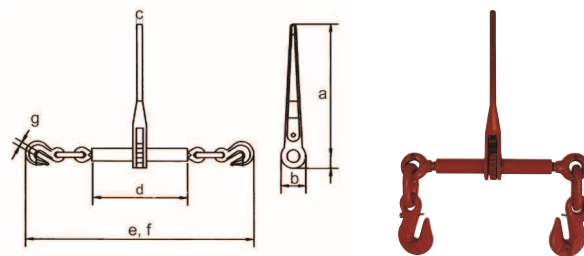
Design: With safety latches and prevent dislodging.

Features: Short treach hooks provide optimum take-up.

Finish: Painted.

Note: Each binder individually proof tested.

Standard: EN 12195-3.



POWERTEX

Art No	Chain size	a	b	c	d	e	f	g	Take-up	Lashing cap.	Proof load	Min. breaking load	Weight each
	mm	mm							mm	kN	tons	tons	kg
14.10PLB08L	8	355	66	16	252	742	573	11	169	39,2	5	8	4,5
14.10PLB10L	10	355	66	16	252	789	620	13	169	61,8	7,9	12,6	5,4
14.10PLB13L	13	355	66	16	252	866	703	17	163	98,2	12,5	21,2	7,7
14.10PLB16L	16	355	66	16	252	892	733	20	159	157,1	20	32,2	10,2

Chain Lashing System

General: Round steel chain for use as a lashing chain.

Material: High strength chain in Grade 8.

Working temperature: -40°C up to + 200°C.

Labeling: Marking plate according to EN 12195-3.

Surface: Black chain and yellow hooks.

Safety factor: 2:1.

Standard: EN 12195-3.

POWERTEX



Note: Not approved for lifting.



LONG LINK LASHING CHAIN, GRADE 100

Grade 100 chain. For lashing extremely heavy cargo on ships and timber trucks' automatic lashing devices. Sold by the meter or specific size with various hook etc. end fittings. Paint coated.



Chain size (inner width x inner length) mm	LC kg	Breaking strength kg	Weight kg /m	Product code
6 (10x35)	2800	5600	0,65	SIK1006P

CHOKER CHAIN

- paint coated



Chain mm	Breaking strength kg	Chain length m	Spike length mm	Weight kg	Packing size pcs / box	Product code
7	6800	2,3	250	2,85	5	JKE23

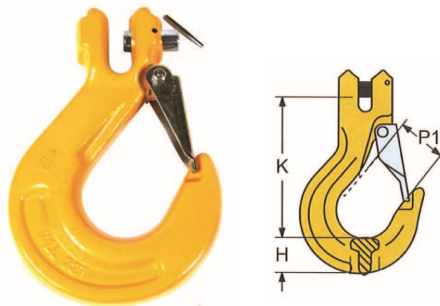
LASHING WIRES

- operates with a similarity to an iron wire
- for lashing e.g. construction scaffolds

Size mm	No. of wires	Length on the reel m	Product code
3	1 x 19	3000	SIVAI0319
2,4	1 x 7	1000	SIVAI024

CLEVIS SLING HOOKS WITH LATCH FOR LASHING CHAINS

- hook is attached directly to the chain without a connecting link
- grade 80



For chain mm	LC t	Breaking strength t	K mm	H mm	P1 mm	Weight kg	Product code
6	2,25	4,5	75	20	18	0,35	SALKH6
8	4,0	8,0	83	26	22	0,60	SALKH78
10	6,3	12,6	105	37	30	1,06	SALKH10
13	10,6	21,2	127	48	40	1,80	SALKH13
16	16,0	32,0	150	60	54	3,40	SALKH16

CLEVIS GRAB HOOK FOR LASHING CHAINS

- for shortening of short link lashing chains
- the hook is attached directly to the chain without a connecting link



For chain mm	LC t	Breaking strength t	Weight kg	Product code
10/13	6,3	12,6	0,3	AKOH1/2

CLEVIS HOOKS FOR LASHING CHAINS

- hook is attached directly to the chain
- for long link chains



For chain mm	Breaking strength t	Weight kg	Product code
9	10	0,5	AKOHS09
11	15	0,9	AKOHS11
13	21	1,1	AKOHS13

CLEVIS ELEPHANT HOOK

- hook is attached directly to the chain
- for long link chain



For chain mm	Breaking strength t	Weight kg	Product code
9/11/13	20	0,8	ELH20

Delivery time 1-2 weeks.

PELICAN HOOK

- hook opens / triggers quickly by hitting
- for chain or steel rope



Breaking strength t	Weight kg	Product code
17	1,6	PELISH16

CONTAINER HOOK



Breaking strength t	Attachment method	Weight kg	Product code
20	Bolting	2,6	SILVKOU

Container chains can be found on page 13-3.

TRAILER WHEEL CHOCKS

- full rubber wedge that can also be equipped with spikes



Measurements (l x w x h)	Color	Weight kg	Product code
170 x 100 x 95	Red	0,60	PYKMINI
243 x 230 x 127	Black	3,80	PYKPIENI
290 x 190 x 150	Black	5,30	PYKISO
240 x 190 x 165	Black	6,10	PYKSUURI

PVC CARGO TARPAULINS

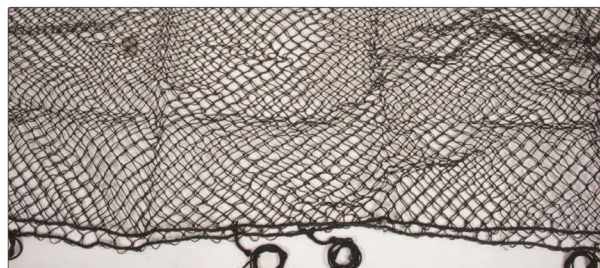
- holes reinforced with metal approx. every 1 metre on the edges
- approx. 1,5 m lashing ropes are included in the delivery (detached)
- lashing rubbers can also be used with the tarpaulin
- other sizes also available



Net size m	Eye size approx. mm	Weight kg	Product code
3,5 x 6	2	7,4	KUV356PVC
3,5 x 7	2	8,6	KUV357PVC

CARGO NETS

- for lashing trash, construction waste loads etc.
- approx. 1,0 m lashing ropes
- other sizes also available



Net size m	Net rope mm	Eye size mm	Weight kg	Product code
3,5 x 5	3,0	40	2,4	KUV35540
3,5 x 6	3,0	40	2,8	KUV35640
3,5 x 7	3,0	40	3,3	KUV35740

PULLING AND TOWING WEBBINGS / SLINGS

- durable for all kinds of pulling and towing
- material 100 % polyester
- 2000 – 28000 kg sizes from strap
- 35000 – 70000 kg sizes from a round sling
- with eye / eye ends
- 2000 kg model with eye / hook ends
- available with different hook, shackle, etc. ends and different lengths



Warning flag for over-long loads, 30 x 30 cm
Product code: VARLIP

Type	Tensile breaking strength t	Width or diameter mm	Length m	Weight kg	Product code
Polyester strap	5,0	50	6	0,90	VEH050
Polyester strap	7,0	50	6	1,10	VEH070
Polyester strap	14,0	60	6	2,00	VEH140
Polyester strap	21,0	75	6	3,30	VEH240
Polyester strap	28,0	100	6	4,40	VEH280
Fiber bundle sling	35,0	60	6	6,80	VER3506
Fiber bundle sling	56,0	80	6	12,00	VER5606
Fiber bundle sling	70,0	100	6	15,60	VER7006



KIPH10

Weldable lashing points

Product code	s	l	d	LC, daN	Weight, g
KIPH10	74	63	18	5000	800
KIPH20	85	75	20	10000	1200
KIPH36	132	66	23	18000	2900
KIPH67	130	77	35	33500	5300



KIPH20



KIPH36



KIPH67



KIPH15T

The shoulder structure stops the ring from reaching the floor.



KIPH10T

Weldable lashing points

Product code	Height	Width	A	Ring Ø	LC, daN	Weight, g
KIPH10T	91	60	24	12,5	5000	300
KIPH15T	136	90	25	22	7500	1900



Flat/recessable load lashing points

Product code	Height	Width	Depth	Ring Ø	LC, daN	Weight, g
KIP800U	15	100	145	10	400	410
KIP350U	12	70	104	6	175	180



Load lashing point

Product code	Height	Width	Depth	LC, daN	Weight, g
KIP50	8,5	45	43	250	42



KIP1000

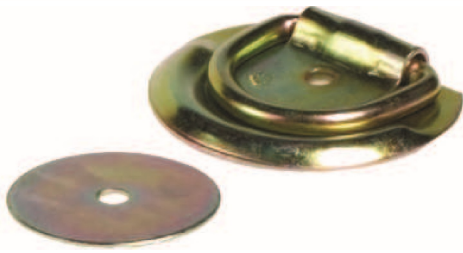


KIP4000U



Flat/recessable load lashing points

Product code	Height	Width	Depth	Ring Ø	LC, daN	Weight, g
KIP1000	16,5	104	92	10	1000	370
KIP4000U	23	Ø 90	-	15	2000	445



Load lashing point

Product code	Height	Width	Depth	Ring Ø	LC, daN	Weight, g
KIP1500	15	90	90	8	750	190



Anchor plate

Product code	Height	Width	Depth	LC, daN	Weight, g
KIP1800	10,2	44,5	44,5	400	20



Double anchor plate

Product code	Height	Width	Depth	LC, daN	Weight, g
KIP2000	10	76	45,5	1000	60



Weldable lashing point

Product code	Height	Width	Depth	LC, daN	Weight, g
KIP8000N	114	123	66	4000	990



Weldable lashing points

Product code	Height	Width	Depth	LC, daN	Weight, g
KIP4000N	45	80	40	2000	300
KIP8000P	110	Ø 64	–	2000	960



Weldable lashing point

Product code	Height	Width	Depth	LC, daN	Weight, g
KIP7500	29	95	90	3500	900

CRANE LIFTING BASES

- super strong lifting bases to be used under truck crane and car crane support legs
- special material endures all conditions
- in winter conditions skidding can be prevented by installing overlong bolts through the lifting base

Size cm	Carrying capacity t	Weight kg	Product code
40 x 40 x 4	10	6,0	TALLA404
60 x 60 x 4	15	13,6	TALLA604
50 x 50 x 6	25	14,0	TALLA506
60 x 60 x 6	30	20,0	TALLA606



CONTAINER HOOK

Breaking strength t	Attachment method	Weight kg	Product code
20	Bolting	2,6	SILVKOU

Steel wire ropes for interchangeable platforms can be found on page 13-4.



PACKING EQUIPMENT / ONE WAY LASHING



One way lashing system »
Lashing tools »
Eco strap »
WG strap »

PET plastic strap »
Steel strap »
Steel strap tools »

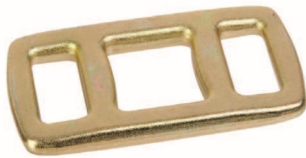
CERTLASH ONE WAY LASHING WEBBING


Certlash W450



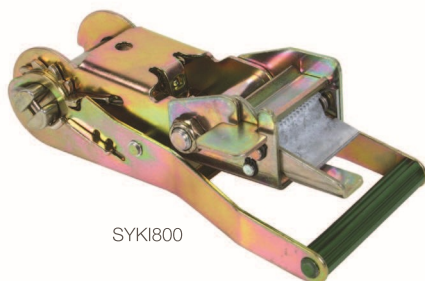
PTENS 50 - pneumatic tensioner

Product	Strap width mm	Tensile breaking strength kg	Packing size m / bag	Product code
Certlash W323	32	2300	250	W323
Certlash W435	40	3500	200	W435
Certlash W450	40	5000	200	W450
Certlash W575	50	7500	150	W575

CERTLASH BUCKLES


Certlash buckle B3030, B4040, B5050

Product	Strap width mm	Tensile breaking strength daN	Packing size pcs./ box	Product code
Certlash buckle B3030	32	3000	100	B3030
Certlash buckle B4040	40	5000	50	B4040
Certlash buckle B5050	50	5000	50	B5050

LASHING TOOLS


SYKI800



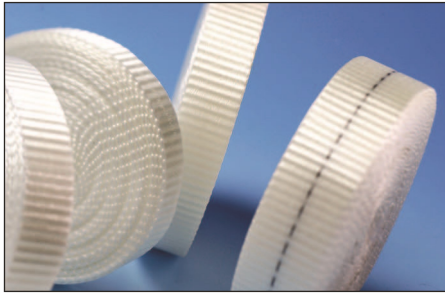
SYKI1000

Product	Product code
Ecostrap and WG tightener with cutter for 13-25mm webbing	MVKIR25
Ecostrap and WG tightener with cutter for 19-40mm webbing	SYKI1000
Certlash ratchet tightener for 30-50 mm webbing	SYKI800



MVKIR25

CERTLASH AND ECOSTRAP ONE WAY LASHING SYSTEM



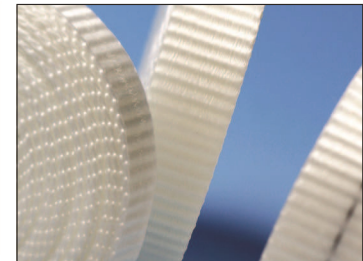
Ecostrap and Certlash one way lashing and strapping systems are easy to use in demanding cargo securing operations.

- one way lashing systems are suitable for cargo securing, bundling or coupling
- systems are used in different industrial fields and in ports for tying down goods inside containers
- systems are safe as well as easy to use
- woven structure of the Ecostrap and Certlash webbings guarantee durability and a tight load
- one way straps are easy to dispose after use
- one way lashing systems are available in several different strengths (370 - 7500 kg)
- tested metal buckles maximise the system strength

ECOSTRAP WEBBINGS

- webbing material polyester

Product	Strap width mm	Tensile breaking strength kg	Packing size box	Product code
Ecostrap 13 mm	13	370	2 x 1000 m/roll	ES13
Ecostrap 16 mm	16	460	2 x 760 m/roll	ES16
Ecostrap 19 mm	19	725	2 x 480 m/roll	ES19
Ecostrap 25 mm	25	1000	2 x 350 m/roll	ES25



ECOSTRAP BUCKLES

Product	Packing size box	Product code
Ecostrap buckle 13 mm, fosfated	1000	ESL13
Ecostrap buckle 16 mm, fosfated	1000	ESL16
Ecostrap buckle 19 mm, fosfated	1000	ESL19
Ecostrap buckle 25 mm, fosfated	500	ESL25



Instructions for lock buckle on page 20-10.

WG STRAP

WG plastic strap is a soft and flexible strap made from PET plastic. WG plastic strap is significantly more durable and stronger than PP plastic strap. WG plastic strap is closed and locked with steel wire locks. WG plastic strap is tightened either by hand or with a plastic strap tightener.

Strap width / Inner diam. (mm)	Tensile strength (kg)	Meters/roll	Packing size		Product code
			rolls/box	rolls/pallet	
13 / 76	375	1100	2	64	WG13
16 / 76	450	900	2	64	WG16
19 / 76	550	700	2	64	WG19
16 / 76	600	600	2	80	* WG55
19 / 76	725	500	2	80	* WG65
25 / 76	950	500	2	60	* WG85



*Items marked with an asterisk delivery time 1-2 weeks

PET PLASTIC STRAP, POLYESTER

PET PLASTIC STRAP, POLYESTER

Strap size / roll inner diam. (mm)	Tensile strength (kg)	Meters/roll	Color	Packing size roll/box	Rolls/pallet	Product code
12,0 x 0,55 - 406	270	2500	Green	1	48	PET1260406
15,5 x 0,60 - 406	400	2000	Green	1	48	PET15560406
16,0 x 0,80 - 406	500	1200	Green	1	48	PET16080406



Operating temperature
-30 - (+)80 °C.

TOOLS FOR PET STRAPS

Description	For strap widths (mm)	Product code
Locks the strap with friction welding and cuts	13-16	PAKITA20
For inner diam. (mm)	For strap widths (mm)	Product code
406	12-19	TVKEVA



*PAKITA20
Runner length 88 mm

STEEL STRAPS

Product	Strap width mm	Strap thickness mm	Tensile breaking strength daN	Unit mass m/kg
HT Steel Strapping	13	0,5	550	20
HT Steel Strapping	16	0,5	700	16
HT Steel Strapping	19	0,5	820	13
HT Steel Strapping	32	0,8	2000	5
USLM Strapping	32	1,27	4560	3,1



STEEL STRAP TOOLS

Description	For strap widths (mm)	Product code
Manual Combination Tool	13-19	SCL
Manual Steel Feedwheel Tensioner	9,5-19	ST
Manual Steel Feedwheel Tensioner	19-32	TH
Manual Steel Push-type Feedwheel Tensioner	9,5-19	PF, PFH
Series Manual Steel Sealer	19-32	C, SRC
Manual Steel Side-action Sealer	9,5-19	RCD-1431
Pneumatic Feedwheel Tensioner	19-32	HN-1-114
Pneumatic Diaphragm Sealer	9,5-19	N-1444-50LSH



Pneumatic
Diaphragm
Sealer



Manual
Combination Tool
SCL



Manual Steel
Tensioner
ST



Manual Steel
Tensioner
PFH



Manual Steel
Tensioner
TH



Manual Steel
Sealer
C

STEVEDORE BAGS

Stevedore bags are used to loading containers, trucks and ships as well as in the luggage compartments of trains and busses, when goods have to be loaded tightly and immobile. Stevedore bag material is strong 100 % recycled material. Stevedore bag is easy to empty after use and therefore each bag can be used multiple times. Stevedore bag is simple and quick to fill with an inflator gun fitting to a compressor.



Size (cm)	Max. pressure PSI	Layers	Product code
90 x 120	2,5	2	53305

Also other sizes available, ask for more!

INFLATOR GUNS FOR STEVEDORE BAGS

Inflator guns have a special made nozzle which inserts open air to the compressed air thus making it significantly faster to fill up the stevedore bags. Due to this the compressor will be less strained.



MATRG-P6



MATRG-P6ALU

Type	Product code
Plastic nozzle	MATRG-P6
Aluminum nozzle	MATRG-P6ALU
Spare part, aluminum nozzle	MATRG-P603ALU



MATRG-P603ALU

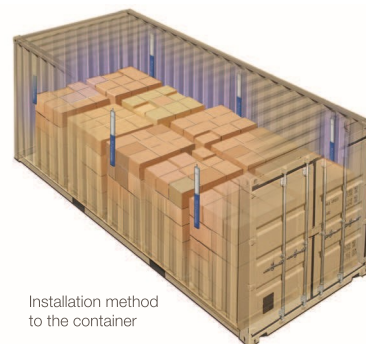


MATRG-P603

DESICCANT FOR CONTAINERS

Absorpole is designed for sea containers to remove moisture. The power of the dryer is based on the ability of calcium chloride to effectively remove moisture from the air. Absorpole is easy to use and is designed to work with any type of cargo on long journeys. There must be only 5 cm of empty space between the dryer and the product so that the dryer works as planned, so it is well suited also for tightly packed containers. Absorpole's protective shell is strong impact-resistant plastic.

Free from DMF and complies with RoHS and REACH directives.



Installation method
to the container



Dimensions (activated) mm	Dimensions (packed) mm	Operating temperature C°	Capacity l	Weight kg	Product code
1180x116x35	640x116x35	-20 - (+) 80	2	1,5	ABSORPOLE