

CHINGI
EXPERT
IUBEȘTE SIGURANȚA



CATALOGUE



**MANUFACTURER
OF LASHING AND
LIFTING
SOLUTION**

www.chingiexpert.ro



 SWISS QUALITY MANAGEMENT
 MADE IN ROMANIA



Love Safety is our
promise to our
customers. It defines
what we are and how
we act in order to
create ideal lifting
solutions,
avoid accidents and
maintain high
customer satisfaction.

love
SAFETY

office@chingi-expert.ro



**YOUR
CHALLENGE
OUR
SOLUTION**

**THE LEADING
SUPPLIER OF
LASHING, LIFTING
PRODUCTS, AND
SERVICES.
BY CHOOSING US AS
YOUR PARTNER YOU
ACHIEVE:**



CERTIFIED

ISO 9001/14001/18001
certified



TEAM

Experienced and well educated
service engineers



TESTING

Access to our extensive
testing facilities



ABOUT US CHINGI EXPERT

Your specialist in lashing and lifting solutions

- We produce personalized products with our company logo that will allow an control of their use.
- The production, assisted by an integrated soft, is treated immediately after the order is placed.
- The straps are controlled in every phase of production, and traceability implemented in the process, allows tracking of products throughout their life cycle.
- As a manufacturer we can produce any type of strap to any size and load.





SERVICES & PRODUCTS

- Tests & inspection services
- Load tests
- Inspection & certification
- Maintenance & repair

- Installation- & rigging service
- Rental
- Engineering services
- Training including LEEA, IOSH, ITSSAR accreditations

This is an overview of our main services and products – some times we find ourselves called upon for other specialised jobs where Lifting SAFE is vital.

1. Webbing slings and roundslings

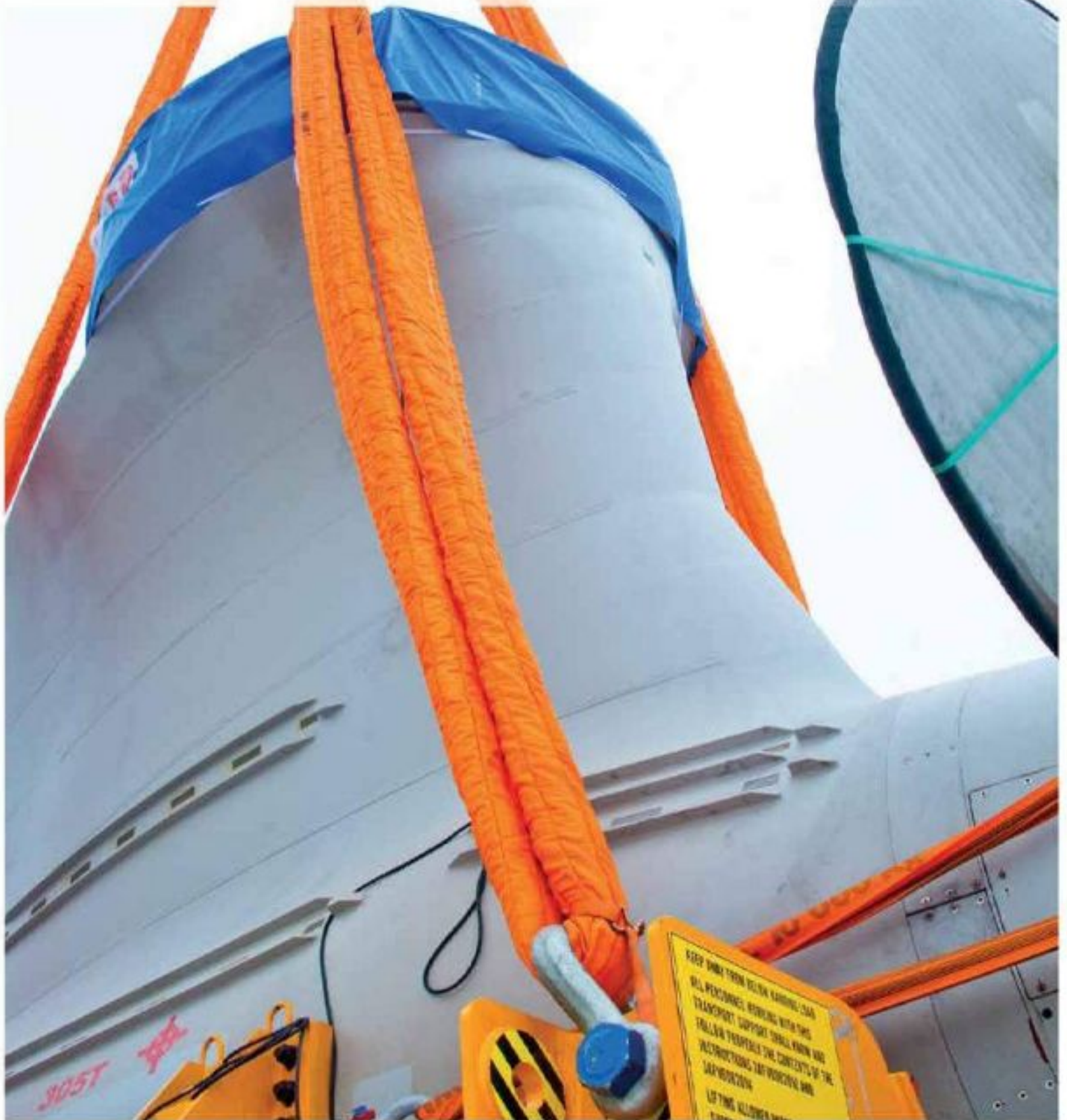
Eye webbing slings

Webbing sling endless

Extra-wide webbing slings

Roundslings

Roundslings with self-locking hooks



EYE WEBBING SLINGS DUPLEX 500 - 30000 KG

- double layer Duplex webbing slings
- folded reinforced eyes as standard
- also available with flat eye
- material 100% polyester
- material 100% polyester
- safety factor 7: 1
- EN 1492

WLL	500 KG	1000 KG	2000 KG	3000 KG	4000 KG	5000 KG	6000 KG	8000 KG	10000 KG	12000 KG
Colour	white	violet	green	yellow	grey	red	brown	blue	orange	orange
Sling width	25 mm	30 mm*	60 mm	90mm	120mm	150 mm	180 mm	240 mm	300 mm	300 mm

Length (L)	Product code									
1 m	SNV0501	SNV101	SNV201	SNV301	SNV401					
2 m	SNV0502	SNV102	SNV202	SNV302	SNV402	SNV502	SNV602	SNV802	SNV1002	
3 m	SNV0503	SNV103	SNV203	SNV303	SNV403	SNV503	SNV603	SNV803	SNV1003	
4 m	SNV0504	SNV104	SNV204	SNV304	SNV404	SNV504	SNV604	SNV804	SNV1004	SNV1204
5 m	SNV0505	SNV105	SNV205	SNV305	SNV405	SNV505	SNV605	SNV805	SNV1005	SNV1205
6 m	SNV0506	SNV106	SNV206	SNV306	SNV406	SNV506	SNV606	SNV806	SNV1006	SNV1206
8 m	SNV0508	SNV108	SNV208	SNV308	SNV408	SNV508	SNV608	SNV808	SNV1008	SNV1208
10 m	SNV0510	SNV110	SNV210	SNV310	SNV410	SNV510	SNV610	SNV810	SNV1010	SNV1210

*50mm width available on demand

Package sizes 500 - 6000 kg

Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size
SNV0501	100	SNV101	40	SNV201	24	SNV301	15	SNV401					
SNV0502	50	SNV102	30	SNV202	20	SNV302	14	SNV402	8	SNV502	6	SNV602	5
SNV0503	40	SNV103	24	SNV203	16	SNV303	11	SNV403	7	SNV503	5	SNV603	4
SNV0504	35	SNV104	20	SNV204	12	SNV304	9	SNV404	5	SNV504	4	SNV604	3
SNV0505	25	SNV105	18	SNV205	12	SNV305	8	SNV405	4	SNV505	3	SNV605	2
SNV0506	-	SNV106	15	SNV206	10	SNV306	7	SNV406	4	SNV506	3	SNV606	2
SNV0508	-	SNV108	15	SNV208	8	SNV308	5	SNV408	3	SNV508	2	SNV608	2
SNV0510	-	SNV110	10	SNV210	6	SNV310	4	SNV410	2	SNV510	2	SNV610	1



Note! Standard dimensional tolerance is $\pm 3\%$. Lengths can vary within the tolerance range!

Last number(s) is/are the length code. When ordering, for example, an endless webbing sling 3000 kg, length 12m, the product code is SNV312.



See Corner Protectors in Product group 12, and web sling hooks on page 2-5.

Thanks to our own production unit, we can also make quick deliveries of special types and lengths as well as lifting slings with higher WLL UP TO 30t.



WEBBING SLINGS ENDLESS 500 - 10000 KG

- single-layered endless webbing slings are also available with a double layer, which doubles the workload capacity for the same sling width
- material 100 % polyester
- safety factor 7 : 1
- colour coded
- EN 1492

WLL	500 KG	1000 KG	2000 KG	3000 KG	4000 KG	5000 KG	6000 KG	8000 KG	10000 KG
Colour	white	violet	green	yellow	grey	red	brown	blue	orange
Sling width	25 mm	30 mm*	60 mm	90 mm	120 mm	150 mm	180 mm	240 mm	300 mm

Circumference	Product code								
1 m	UNV0501	UNV101	UNV201	UNV301					
2 m	UNV0502	UNV102	UNV202	UNV302	UNV402	UNV502	UNV602	UNV802	UNV1002
3 m	UNV0503	UNV103	UNV203	UNV303	UNV403	UNV503	UNV603	UNV803	UNV1003
4 m	UNV0504	UNV104	UNV204	UNV304	UNV404	UNV504	UNV604	UNV804	UNV1004
5 m	UNV0505	UNV105	UNV205	UNV305	UNV405	UNV505	UNV605	UNV805	UNV1005
6 m	UNV0506	UNV106	UNV206	UNV306	UNV406	UNV506	UNV606	UNV806	UNV1006
8 m	UNV0508	UNV108	UNV208	UNV308	UNV408	UNV508	UNV608	UNV808	UNV1008
10 m	UNV0510	UNV110	UNV210	UNV310	UNV410	UNV510	UNV610	UNV810	UNV1010

Package sizes 500 and 1000 kg

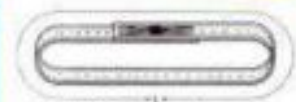
Product code	Package size	Product code	Package size
UNV0501	250	UNV101	100
UNV0502	250	UNV102	-
UNV0503	160	UNV103	80
UNV0504	100	UNV104	60
UNV0505	-	UNV105	-
UNV0506	50	UNV106	40
UNV0508	-	UNV108	-
UNV0510	-	UNV110	-

Delivery 3-5 days
*50mm width available on demand



Note! Standard dimensional tolerance is $\pm 3\%$. Lengths can vary within the tolerance range!

Last number(s) is/are the circumference code. When ordering, for example, an endless webbing sling 3000 kg, circumfer. 12m, the product code is UNV312.



Note! Circumference

See Corner Protectors in Product group 12.

Thanks to our own production unit, we can also make quick deliveries of special types and lengths as well as lifting slings with higher WLL.

A BROAD RANGE OF SINGLE USE ENDLESS WEBBING SLINGS STRAIGHT FROM THE WAREHOUSE WITH QUICK DELIVERY!

Safety factor 4 : 1 / 5:1

Ask more from our Sales .



EYE WEBBING SLINGS SECUTEX 1000 - 10000 kg



- double layered Duplex lifting slings, which are covered with special plastic
- extreme cut and abrasion resistance
- these slings can be used to lift sharp-edged items without special corner protectors
- folded reinforced eyes as standard
- also available with one-sided and partial plastic coating
- material 100 % polyester
- safety factor 7 : 1
- EN 1492

WLL	2000 KG	3000 KG	4000 KG
Colour	green	yellow	grey
Sling width	80 mm	100 mm	130 mm

Length	Product code		
1 m	SNVS201	SNVS301	SNVS401
2 m	SNVS202	SNVS302	SNVS402
3 m	SNVS203	SNVS303	SNVS403
4 m	SNVS204	SNVS304	SNVS404
5 m	SNVS205	SNVS305	SNVS405
6 m	SNVS206	SNVS306	SNVS406
8 m	SNVS208	SNVS308	SNVS408
10 m	SNVS210	SNVS310	SNVS410

Delivery 4-5 weeks

Note! Standard dimensional tolerance is $\pm 3\%$. Lengths can vary within the tolerance range!

Also available with higher WLL.

Last number(s) is/are the length code. When ordering, for example, an endless webbing sling 3000 kg, length 12m, the product code is SNVS312.

TIGHTENING WEBBING SLING WITH HOOK 1600 - 2200



- A webbing sling with a special hook, which tightens easily and securely around the item or bundle to be lifted
- material 100 % polyester
- safety factor 4 : 1
- EN 1492

WLL	1600 KG	2200 KG
Colour	green	yellow
Sling width	60 mm	75 mm

Length	Product code	
1 m	NVK1601	NVK2201
2 m	NVK1602	NVK2202
3 m	NVK1603	NVK2203
4 m	NVK1604	NVK2204
5 m	NVK1605	NVK2205
6 m	NVK1606	NVK2206
8 m	NVK1608	NVK2208
10 m	NVK1610	NVK2210

Delivery 3-5 days

Thanks to our own production unit, we can also make quick deliveries of special types and lengths as well as lifting slings with higher WLL.

Last number(s) is/are the length code. When ordering, for example, webbing sling 1600 kg, length 12m Product code is NKV1612.



EYE WEBBING SLINGS SINGLE 1000 - 5000 KG

- single layer lifting slings
- the width of the sling is high with respect to the workload
- perfect for places, where minimal surface pressure on the load to be lifted is needed, for example when lifting boats
- folded reinforced eyes as standard
- also available with flat eyes
- material 100 % polyester
- safety factor 7 : 1
- EN 1492

WLL	1000 KG	2000 KG	3000 KG	4000 KG	5000 KG
Colour	green	grey	brown	blue	orange
Sling width mm	60	120	180	240	300

Length (L)	Product code				
1 m	SNVY101	SNVY201			
2 m	SNVY102	SNVY202	SNVY302	SNVY402	
3 m	SNVY103	SNVY203	SNVY303	SNVY403	SNVY503
4 m	SNVY104	SNVY204	SNVY304	SNVY404	SNVY504
5 m	SNVY105	SNVY205	SNVY305	SNVY405	SNVY505
6 m	SNVY106	SNVY206	SNVY306	SNVY406	SNVY506
8 m	SNVY108	SNVY208	SNVY308	SNVY408	SNVY508
10 m	SNVY110	SNVY210	SNVY310	SNVY410	SNVY510

Delivery 3-5 days

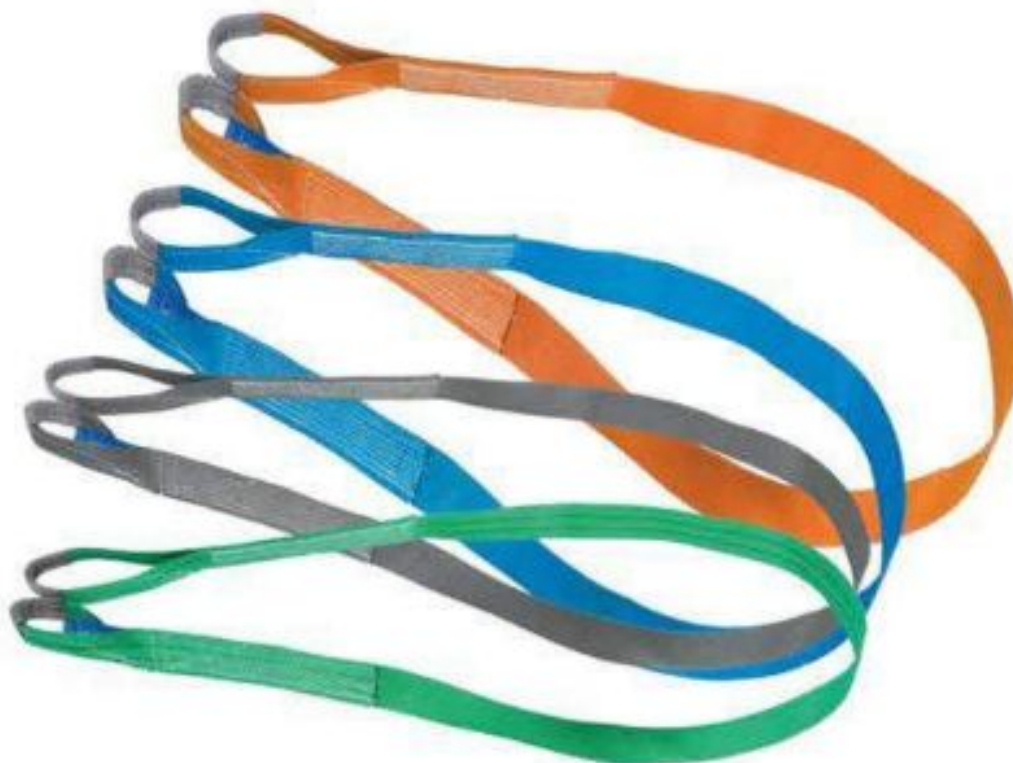
Thanks to our own production unit, we can also make quick deliveries of special types and lengths as well as lifting slings with higher WLL.

Last number(s) is/are the length code. When ordering, for example, eye webbing sling 3000 kg, length 12 m the Product code is SNVY312.



Note! Standard dimensional tolerance is $\pm 3\%$. Lengths can vary within the tolerance range!

See Corner Protectors in Product group 12, and web sling hooks on page 2-5.



EXTRA WIDE WEBBING SLINGS 7000 - 22500 KG

- extra wide webbing slings for paper machine reels and other extra heavy loads
- perfect for when the surface pressure on the load to be lifted should be as low as possible
- folded reinforced eyes as standard
- elongation with maximum workload approx. 5%
- material 100 % polyester
- safety factor 7 : 1



Thanks to our own production unit, we can also make quick deliveries of special types and lengths as well as lifting slings with higher WLL.

Note! Standard dimensional tolerance is $\pm 3\%$. Lengths can vary within the tolerance range!

Last number(s) is/are the length code. When ordering, for example webbing sling 22000 kg, length 12 m Product code is **NOM2212** (In the code WLL is on U-shape)

WLL (straight)	7000 KG	11000 KG	16000 KG	22500 KG
Sling width B	360 mm	600 mm	480 mm	600 mm
Sling width A	100 mm	160 mm	130 mm	160 mm

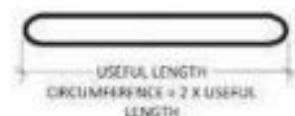
Length	Product code			
	2 m	NOM1402	NOM2202	-
3 m	NOM1403	NOM2203	NOM3203	NOM4503
4 m	NOM1404	NOM2204	NOM3204	NOM4504
5 m	NOM1405	NOM2205	NOM3205	NOM4505
6 m	NOM1406	NOM2206	NOM3206	NOM4506
8 m	NOM1408	NOM2208	NOM3208	NOM4508
10 m	NOM1410	NOM2210	NOM3210	NOM4510

Delivery 3-5 days



ROUNDSLINGS 1000 - 500.000 KG

- fibres covered with a single layer sleeve as a standard
 - for any lifting
 - material 100 % polyester
 - safety factor 7 : 1
 - EN 1492-2
 - Colour coded
- Special lengths and roundslings with higher WLL are also available up to 500t.



WLL	1000 KG	2000 KG	3000 KG	4000 KG	5000 KG	6000 KG	8000 KG	10000 KG	12000KG	15000 KG
Colour	violet	green	yellow	grey	red	brown	blue	orange	orange	orange

Circumfer. Product code

1 m	PAR101S	PAR201S	PAR301S	PAR401S	PAR501S	PAR601S				
2 m	PAR102S	PAR202S	PAR302S	PAR402S	PAR502S	PAR602S	PAR802S	PAR1002S	PAR1202S	
3 m	PAR103S	PAR203S	PAR303S	PAR403S	PAR503S	PAR603S	PAR803S	PAR1003S	PAR1203S	PAR1503S
4 m	PAR104S	PAR204S	PAR304S	PAR404S	PAR504S	PAR604S	PAR804S	PAR1004S	PAR1204S	PAR1504S
5 m	PAR105S	PAR205S	PAR305S	PAR405S	PAR505S	PAR605S	PAR805S	PAR1005S	PAR1205S	PAR1505S
6 m	PAR106S	PAR206S	PAR306S	PAR406S	PAR506S	PAR606S	PAR806S	PAR1006S	PAR1206S	PAR1506S
8 m	PAR108S	PAR208S	PAR308S	PAR408S	PAR508S	PAR608S	PAR808S	PAR1008S	PAR1208S	PAR1508S
10 m	PAR110S	PAR210S	PAR310S	PAR410S	PAR510S	PAR610S	PAR810S	PAR1010S	PAR1210S	PAR1510S
12 m	PAR112S	PAR212S	PAR312S	PAR412S	PAR512S	PAR612S	PAR812S	PAR1012S	PAR1212S	PAR1512S

Package sizes 1000 - 6000 kg

Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size	Product code	Package size
PAR101S	75	PAR201S	60	PAR301S	40	PAR401S	50	PAR501S	-	PAR601S	
PAR102S	50	PAR202S	40	PAR302S	30	PAR402S	20	PAR502S	15	PAR602S	-
PAR103S	40	PAR203S	25	PAR303S	20	PAR403S	14	PAR503S	10	PAR603S	8
PAR104S	30	PAR204S	40	PAR304S	12	PAR404S	12	PAR504S	8	PAR604S	6
PAR105S	25	PAR205S	15	PAR305S	12	PAR405S	8	PAR505S	7	PAR605S	6
PAR106S	15	PAR206S	12	PAR306S	10	PAR406S	8	PAR506S	6	PAR606S	4
PAR108S	15	PAR208S	8	PAR308S	8	PAR408S	6	PAR508S	4	PAR608S	4
PAR110S	10	PAR210S	7	PAR310S	6	PAR410S	5	PAR510S	4	PAR610S	3
PAR112S	10	PAR212S	6	PAR312S	5	PAR412S	4	PAR512S	3	PAR612S	2

Thanks to our own production unit, we can also make quick deliveries of roundslings with useful length of 30 m and workloads up to 500t.

Note! Standard dimensional tolerance is ± 3%. Lengths can vary within the tolerance range!

Last number(s) is/are the circumference code. When ordering, for example, a roundsling 3000 kg, circumference 12m, the product code is PAR312

Double sleeve roundslings available on demand. To order it erase the "S" suffix from product code, for example PAR312.

See Corner Protectors in Product group 12, and web sling hooks on page 2-5.

We deliver also GB Extreema® roundslings, manufactured from the world's strongest fiber, Dyneema®, ask more from our Sales.



Picture: Lifting of a 30St Azipod unit with Forankra 100t roundslings.



ROUNDSLINGS WITH SELF-LOCKING HOOKS

- 1-, 2-, 3- and 4-leg combinations are suitable for lifting anything
- a lighter alternative to a chain combination in, for example, transformer lifting
- no risk of insulator damage
- material 100 % polyester
- safety factor 4 : 1
- total lengths from approx. 1m, the largest type approx. 2m
- lengths are provided in steps of 0.5m
- also available with self-locking hooks, rotating swivel hooks, shackles etc.



WLL Lifting angle 0 - 90°	WLL Lifting angle 90 - 120°	Product code
1-leg		
1000 KG		PRK1101
2000 KG		PRK2101
3000 KG		PRK3101
5000 KG		PRK5101
8000 KG		PRK8102
2-leg		
1400 KG	1000 KG	PRK1201
2800 KG	2000 KG	PRK2201
4200 KG	3000 KG	PRK3201
7000 KG	5000 KG	PRK5201
11200 KG	8000 KG	PRK8202
3-leg		
2100 KG	1500 KG	PRK1301
4200 KG	3000 KG	PRK2301
6300 KG	4500 KG	PRK3301
10500 KG	7500 KG	PRK5301
17000 KG	11800 KG	PRK8302
4-leg		
2100 KG	1500 KG	PRK1401
4200 KG	3000 KG	PRK2401
6300 KG	4500 KG	PRK3401
10500 KG	7500 KG	PRK5401
17000 KG	11800 KG	PRK8402

Delivery 3-5 days

When ordering, for example, a 1-leg PAR/Hook combination 3000 kg, length 1,5 m, the product code is PRK3101,5.

PERMITTED WORKLOADS

ROUND SLINGS



Lifting method	Direct lift WLL M = 1,0	Tightening lift WLL M = 0,8	Open lift WLL M = 2,0	Angle lift WLL β = 0°-45° M = 1,4	Angle lift WLL β = 45°-60° M = 1,0	Angle lift WLL β = 0°-45° M = 0,7	Angle lift WLL β = 45°-60° M = 0,5
Form factor							
WLL - ROUND SLINGS							
Diameter/color	WLL kg	WLL kg	WLL kg	WLL kg	WLL kg	WLL kg	WLL kg
15 mm violet	1000	800	2000	1400	1000	700	500
20 mm green	2000	1600	4000	2800	2000	1400	1000
25 mm yellow	3000	2400	6000	4200	3000	2100	1500
30 mm grey	4000	3200	8000	5600	4000	2800	2000
33 mm red	5000	4000	10000	7000	5000	3500	2500
36 mm brown	6000	4800	12000	8400	6000	4200	3000
40 mm blue	8000	6400	16000	11200	8000	5600	4000
45 mm orange	10000	8000	20000	14000	10000	7000	5000
50 mm orange	12000	9600	24000	16800	12000	8400	6000
60 mm orange	15000	12000	30000	21000	15000	10500	7500
80 mm orange	20000	16000	40000	28000	20000	14000	10000
100 mm orange	25000	20000	50000	35000	25000	17500	12500
120 mm orange	30000	24000	60000	42000	30000	21000	15000

WEBBING SLINGS

- WEBBING SLING WITH EYES (SNV)
- ENDLESS WEBBING SLING (UNV)



Lifting method	Direct lift WLL M = 1,0	Tightening lift WLL M = 0,8	Open lift WLL M = 2,0	Angle lift WLL β = 0°-45° M = 1,4	Angle lift WLL β = 45°-60° M = 1,0	Angle lift WLL β = 0°-45° M = 0,7	Angle lift WLL β = 45°-60° M = 0,5
Form factor							
SNV - WEBBING SLINGS							
UNV - ENDLESS WEBBING SLINGS							
Diameter/color	WLL kg	WLL kg	WLL kg	WLL kg	WLL kg	WLL kg	WLL kg
25 mm white	500	400	1000	700	500	350	250
30 mm violet	1000	800	2000	1400	1000	700	500
60 mm green	2000	1600	4000	2800	2000	1400	1000
90 mm yellow	3000	2400	6000	4200	3000	2100	1500
120 mm grey	4000	3200	8000	5600	4000	2800	2000
150 mm red	5000	4000	10000	7000	5000	3500	2500
190 mm brown	6000	4800	12000	8400	6000	4200	3000
240 mm blue	8000	6400	16000	11200	8000	5600	4000
300 mm orange	10000	8000	20000	14000	10000	7000	5000
300 mm orange	12000	9600	24000	16800	12000	8400	6000

LIFTING INSTRUCTIONS



CHECK THE LOAD WEIGHT



PAY ATTENTION TO THE LIFTING ANGLE



β = LIFTING ANGLE



USE CORNER PROTECTORS ON SHARP EDGES



DO NOT USE BROKEN SLINGS



✓ CHECK LIFTING TOOLS REGULARLY ✓

SEE CORNER PROTECTORS IN PRODUCT GROUP 12!

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LOVES SAFETY



2. Lifting chains, Components and steel cable loops

Lifting chains grade 8, 10 and 12 and stainless

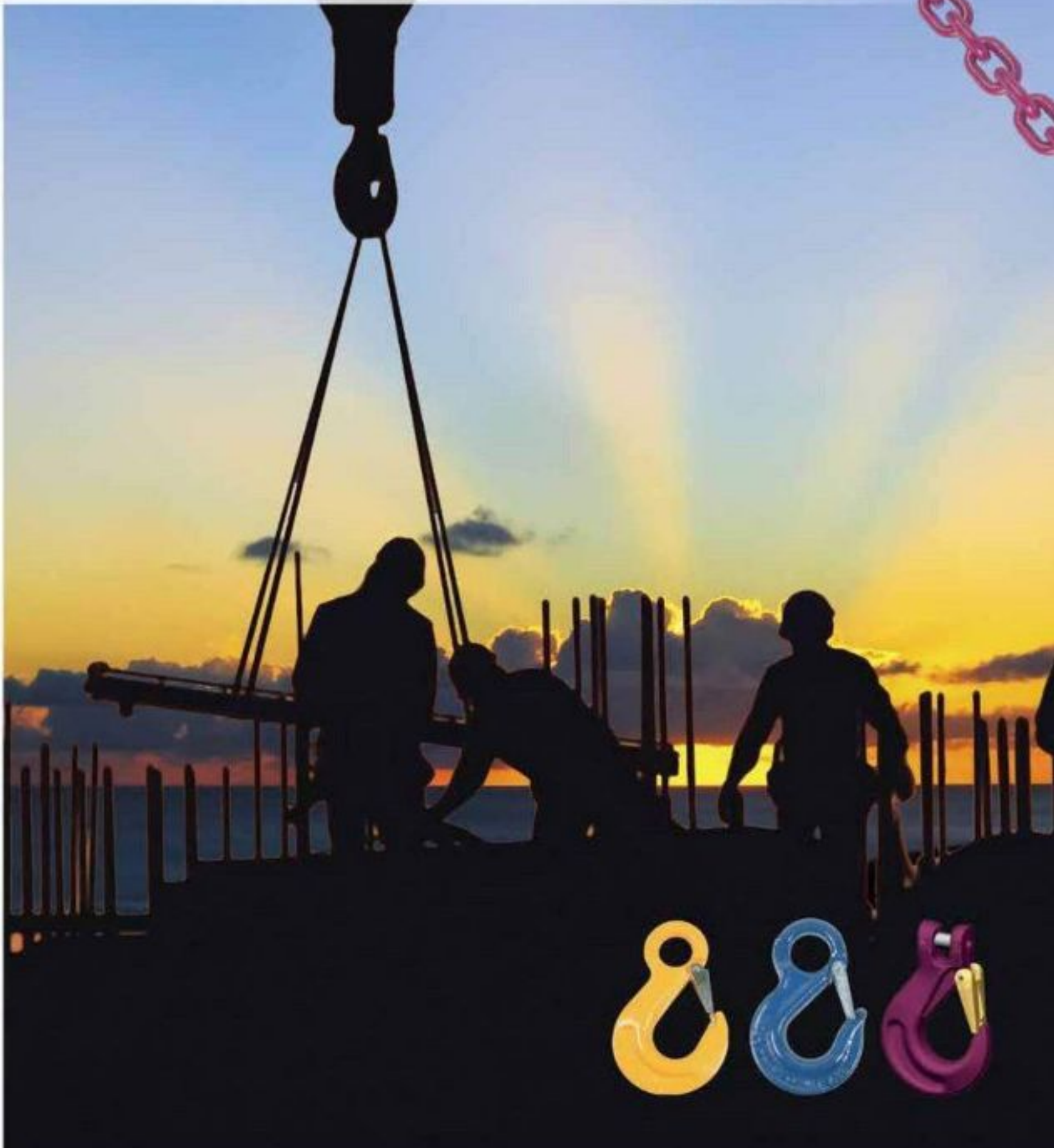
Chain Components grade 8, 10 and 12 and stainless

Lifting chain combinations grade 8, 10 and 12 and stainless

Steel cable ropes

NEW
GRADE 12

Pages 2-21->



LIFTING CHAINS GRADE 8

- short link grade 8 chains
- paint coated
- safety factor 4 : 1
- FS/EN 818-2



Operating temperature

WLL as percentage of the nominal load

Temperature, t, °C

-40 < t ≤ 200	200 < t ≤ 300	300 < t ≤ 400	400 < t
100	90	75	not allowed



Chain size	WLL	A	B	Weight	Product code
D mm	t	mm	mm	kg/m	
6	1,12	18	9	0,80	NK6
7	1,50	22	10	1,10	NK7
8	2,00	24	12	1,35	NK8
10	3,15	30	14	2,15	NK10
13	5,30	39	19	3,50	NK13
16	8,00	48	23	5,50	NK16
20	12,50	60	25	8,40	NK20
22	15,00	66	28	10,35	NK22
26	21,20	78	35	15,80	NK26
32	31,50	96	54	21,65	NK32
36	40,00	108	49	29,00	*NK36
40	50,00	120	54	36,00	*NK40

FIXED LENGTH IN BARRELS

* Items marked with an asterisk only available as a factory order

Chain size	WLL	Length	Weight	Product code
mm	t	m	kg	
6	1,12	50	41,00	NK6VP
8	2,00	40	55,00	NK8VP
10	3,15	30	66,00	NK10VP
13	5,30	20	71,00	NK13VP

LIFTING CHAINS GRADE 10 **KWB**

- short link grade 10 chains
- the same chain size as grade 8, but a 30% higher workload capacity
- Operating temperature -29 - (+)205°C
- paint coated
- safety factor 4 : 1



The chain is also available for operating temperatures -30- (+)380°C, ask for more!

Chain size	WLL	A	B	Weight	Product code
D mm	t	mm	mm	kg/	
6	1,40	18	9	0,96	NK106
8	2,50	24	11	1,57	NK108
10	4,00	30	14	2,46	NK1010
13	6,70	39	18	4,18	NK1013
16	10,00	48	22	6,28	NK1016
20	16,00	62	25,6	10,10	NK1020
22	19,00	66	30	11,88	NK1022
26	26,50	78	35	16,18	NK1026

LIFTING CHAINS GRADE 12 **KWB**

- the same chain size as grade 8, but approx. 50% higher WLL
- Operating temperature -40 - (+)200°C
- paint coated
- safety factor 4 : 1



STAINLESS LIFTING CHAINS

- short link chains
- material AISI 316 special alloy
- safety factor 4 : 1



Chain size	WLL	A	B	Weight	Product code
D mm	t	mm	mm	kg/m	
7	2,36	21	9,8	1,33	NK127
8	3,00	24	11,0	1,69	NK128
10	5,00	30	14,3	2,66	NK1210
13	8,00	39	18,0	4,43	NK1213
16	12,20	48	21,5	6,73	NK1216

Chain size	WLL	A	B	Weight	Product code
D mm	t	mm	mm	kg/m	
6	0,90	18,0	8	0,8	NKHK6
8	1,55	24,0	10	1,4	NKHK8
10	2,00	30,0	13	2,2	NKHK10
13	3,20	39,0	17	3,8	NKHK13

EYE SELF-LOCKING HOOK

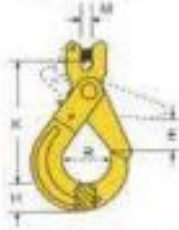
- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	K mm	H mm	E mm	F mm	R mm	A mm	Weight kg	Product code
6	1,12	110	19	28	10	34	22	0,50	VAK6
7/8	2,00	136	24	34	12	46	25	0,80	VAK78
10	3,15	171	30	44	15	56	32	1,43	VAK10
13	5,30	208	30	52	19,5	69	40	2,86	VAK13
16	8,00	257	50	60	22	86	56	5,64	VAK16
20	12,50	275	55	81	27	100	64	7,60	VAK20
22	15,00	320	67	82	30	98	70	13,00	VAK22
26	21,20	363	75	110	34	110	80	18,00	VAK26
32	31,50	472	97	168	45	166	105	44,50	VAK32

CLEVIS SELF-LOCKING HOOK

- the lifting chain is attached directly to the hook without a connection link
- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1 / EN-1677



For chain mm	WLL t	K mm	H mm	E mm	M mm	R mm	Weight kg	Product code
6	1,12	95	19	29	8	34	0,5	VAKH6
7/8	2,00	121	24	34	9	46	0,8	VAKH78
10	3,15	146	30	44	12	56	1,5	VAKH10
13	5,30	182	40	52	15	69	2,8	VAKH13
16	8,00	218	50	60	18	86	5,6	VAKH16
20	12,50	240	55	83	25	100	7,5	VAKH20
22	15,00	276	67	88	25	98	11,5	VAKH22

EYE SELF-LOCKING HOOK WITH GRIP

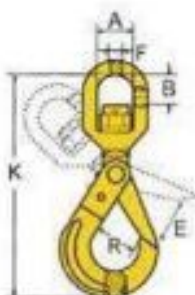
- a support structure against twisting on the tip of the hook
- the hook locks automatically when lifting starts
- paint coated
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	K mm	H mm	E mm	R mm	A mm	Weight kg	Product code
7/8	2,00	163	21	34	40	25	0,75	VAKKT78
10	3,15	201	26	42	50	32	1,20	VAKKT10
13	5,30	243	31	50	60	40	2,00	VAKKT13
16	8,00	298	39	60	70	50	4,10	VAKKT16

EYE SELF-LOCKING HOOK WITH SWIVEL

- the hook locks automatically when lifting starts
- structure
- paint coated
- safety factor 4 : 1
- EN-1677

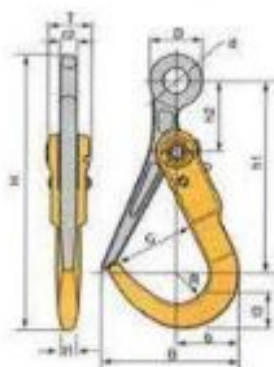


For chain mm	WLL t	K mm	E mm	B mm	F mm	R mm	A mm	Weight kg	Product code
6	1,12	170	29	22	11	34	32	0,71	VAKL6
7/8	2,00	210	34	26	12	46	35	1,10	VAKL78
10	3,15	247	44	34	15	56	42	2,00	VAKL10
13	5,30	302	52	38	16	69	50	4,00	VAKL13
16	8,00	383	60	55	21	86	61	7,30	VAKL16
20	12,50	418	83	61	26	100	72	11,60	VAKL20

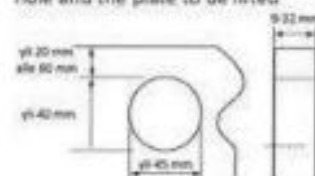
SUPER SELF-LOCKING HOOK

- wide self-locking safety hooks
- two workloads
- normal and swivel hook
- perfect for, among other things, handling large bags as well as lifting items and equipment, which can be lifted directly from their holes.
- safety factor 4 : 1

WLL kg	C mm	B mm	b mm	D mm	d mm	H mm	h1 mm	h2 mm	R mm	T mm	t1 mm	t2 mm	t3 mm	Weight kg	Product code
2000	96	166	75	64	32	339	236	89	38	54	29	18	30	3,2	VAK2SUPER
3000	96	169	78	64	32	339	236	89	38	54	31	18	33	3,4	VAK3SUPER

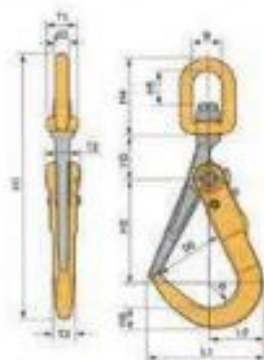


The minimum and maximum dimensions of the hole and the plate to be lifted



WITH SWIVEL

WLL kg	H1 mm	H2 mm	H3 mm	H4 mm	H5 mm	H6 mm	L1 mm	L2 mm	T1 mm	T2 mm	T3 mm	B mm	D mm	R mm	Weight kg	Product code
2000	402	147	70	117	50	30	168	75	46	54	29	47	19	38	4,0	VAK2LSUPER
3000	405	147	70	117	50	33	169	78	46	54	31	47	19	38	4,2	VAK3LSUPER

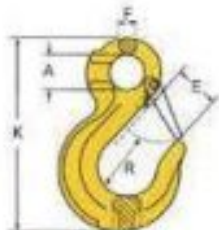


The minimum and maximum dimensions of the hole and the plate to be lifted



EYE SLING HOOK WITH LATCH

- hooks with spring-loaded safety latch
- paint coated
- safety factor 4 : 1
- EN-1677

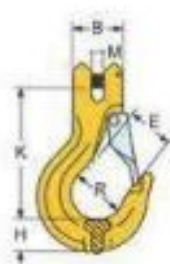


For chain mm	WLL t	K mm	E mm	F mm	R mm	A mm	Weight kg	Product code
6	1,12	108	24	9	21	20	0,30	SALK6
7/8	2,00	133	30	11	26	25	0,40	SALK78
10	3,15	167	34	15	39	38	0,90	SALK10
13	5,30	213	39	19	54	43	1,70	SALK13
16	8,00	255	46	23	64	50	3,20	SALK16
20	12,50	305	40	24	80	62	5,80	SALK20
22	15,00	348	71	32	80	62	8,50	SALK22
26	21,20	394	81	35	82	64	13,00	SALK26
32	31,50	480	102	37	112	68	17,00	SALK32
36	40,00	n.530	109	-	-	72	32,30	*SALK36
40	50,00	n.580	124	-	-	84	47,00	*SALK40

* Items marked with asterisk delivery in 4 - 5 weeks

CLEVIS SLING HOOK WITH LATCH

- the lifting chain is attached directly to the hook without a connection link
- paint coated
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	K mm	H mm	E mm	M mm	R mm	B mm	Weight kg	Product code
6	1,12	76	23	26	8	35	32	0,32	SALKH6
7/8	2,00	85	32	29	9,5	37	37	0,48	SALKH78
10	3,15	104	35	39	13	46	49	0,95	SALKH10
13	5,30	128	42	27	16	56	56	1,80	SALKH13
16	8,00	150	54	55	21	60	70	3,40	SALKH16
20	12,50	180	58	61	24	79	77	6,00	SALKH20

LATCH HOOK WITH SWIVEL

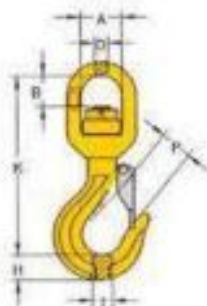
- swivel structure that enables the hook to rotate
- paint coated
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	K mm	H mm	E mm	A mm	B mm	Weight kg	Product code
6	1,12	137	-	22	32	17	0,34	SALKL6
7/8	2,00	190	23	27	36	88	0,85	SALKL78
10	3,15	233	29	32	42	104	1,54	SALKL10
13	5,30	291	38	40	49	135	3,40	SALKL13
16	8,00	352	45	45	61	161	5,36	SALKL16
20	12,50	363	-	49	68	51	7,40	SALKL20
22	15,00	431	-	54	79	65	10,60	SALKL22
26	21,20	545	-	81	105	114	21,40	SALKL26

EYE SLING HOOK WITH BALL BEARING SWIVEL

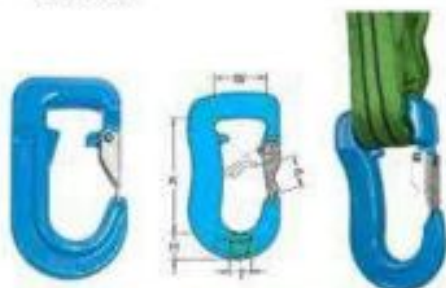
- hook swivels easily with full load
- powder paint coated
- safety factor 4 : 1
- EN-1677



Chain size mm	Työkuorma t	K mm	P mm	B mm	A mm	D mm	T mm	H mm	Weight kg	Product code
6	1,12	149	29	22	31	12	15	19	0,70	SALKL6KL
8	2,00	186	34	29	36	14	20	24	1,20	SALKL78KL
10	3,15	220	44	34	40	16	26	30	2,00	SALKL10KL
13	5,30	267	52	43	46	22	30	39	4,20	SALKL13KL
16	8,00	328	60	50	60	24	36	49	7,30	SALKL16KL
20	12,50	388	90	82	75	26	48	62	11,70	SALKL20KL

WEB SLING HOOK

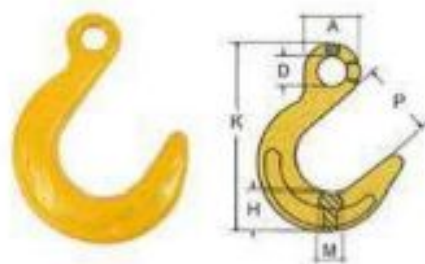
- sling hook for webbing- and roundslings
- hook is slid on a belt or on a sling as described below
- paint coated
- safety factor 4 : 1
- EN 1677



WLL kg	K mm	P mm	W mm	T mm	H mm	Weight kg	Product code
1000	88	25	43	14	20	0,7	JOKERKOU1
2000	115	30	52	20	26	1,5	JOKERKOU2
3000	118	32	63	26	32	2,3	JOKERKOU3
4000	147	43	70	36	40	4,5	JOKERKOU4
5000	154	43	73	26	38	3,3	JOKERKOU5
6000	147	43	70	36	40	4,5	JOKERKOU6
8000	200	65	105	40	60	9,7	JOKERKOU8
10000	200	65	105	40	60	9,7	JOKERKOU10

FOUNDRY EYE HOOK

- wide mouth open hooks for foundry use
- paint coated
- safety factor 4 : 1
- EN-1677

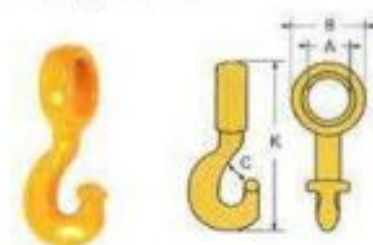


For chain mm	WLL t	P mm	H mm	K mm	D mm	A mm	M mm	Weight kg	Product code
6	1,12	62	29	163	17	39	26	1,00	VAL6
7/8	2,00	63	31	163	18	39	25	1,09	VAL78
10	3,15	76	38	200	22	50	32	2,04	VAL10
13	5,30	89	44	238	27	63	38	3,22	VAL13
16	8,00	102	52	278	32	76	46	5,53	VAL16
20	12,50	114	65	325	38	89	55	8,75	VAL20
22	15,00	127	69	361	45	102	57	11,93	VAL22
26	21,20	140	77	402	67	126	66	16,80	* VAL26
32	31,50	153	97	461	81	151	80	26,60	* VAL32

* Items marked with an asterisk delivery in 3 - 4 weeks

EYE CHOKE HOOK

- used for loop lifting in automatic choker slings
- manufactured in compliance with EU Directive EN-167
- paint coated
- safety factor 4 : 1



For chain mm	WLL t	A mm	B mm	C mm	K mm	Weight kg	Product code
7/8	2,00	30	52	16	123	0,4	LIUA78
10	3,15	39	68	20	156	0,8	LIUA10
13	5,30	52	85	26	195	1,9	LIUA13
16	8,00	64	108	30	246	3,0	LIUA16

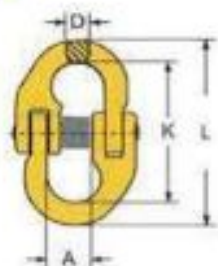
BARREL HOOK

- used in e.g. barrel lifting slings (see page 7-1)
- paint coated
- safety factor 4 : 1
- EN-1677



WLL t	Length mm	Width mm	Loop diameter mm	Weight kg	Product code
1,00	120	60	37	0,4	TYNKOU

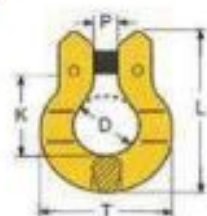
CONNECTING LINK



- for connecting short link grade 8 chains to different kinds of lifting links and hooks
- paint coated
- safety factor 4 : 1
- EN-1677

For chain mm	WLL t	L mm	K mm	A mm	D mm	Weight kg	Product code
6	1,12	58	42	15	7	0,08	LL6
7/8	2,00	79	60	18	8	0,146	LL78
10	3,15	90	68	25	11	0,30	LL10
13	5,30	117	87	29	15	0,65	LL13
16	8,00	148	108	34	19	1,15	LL16
20	12,50	154	121	41	24	2,10	LL20
22	15,00	193	141	48	26	2,87	LL22
26	21,20	220	158	57	30	4,50	LL26
32	31,50	281	205	67	37	8,21	LL32

OMEGA LINK



- used on roundslings or instead of a connection link
- paint coated
- safety factor 4 : 1
- EN-1677

For chain mm	WLL t	T mm	L mm	D mm	K mm	P mm	Weight kg	Product code
7/8	2,00	8	68	23	35	10	0,22	OMEA78
10	3,15	12	81	31	40	12	0,36	OMEA10
13	5,30	21	108	41	54	15	0,71	OMEA13
16	8,00	32	126	49	64	19	1,30	OMEA16

ROUNDING AND WEBBING SLING CONNECTOR



- for connecting short link grade – 8 chains to roundslings
- paint coated
- safety factor 4 : 1
- EN-1677

For chain mm	WLL t	W mm	B mm	A mm	K mm	E mm	Weight kg	Product code
7/8	2,00	40	61	20	63	9	0,30	PRL78
10	3,15	39	66	24	83	11	0,68	PRL10
13	5,30	55	68	28	93	16	1,47	PRL13
16	8,00	65	88	34	120	19	2,30	PRL16
20	12,50	80	108	41	138	23	3,30	PRL20

EYE GRAB HOOK

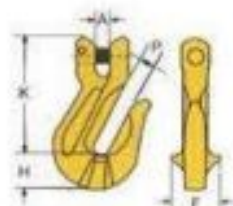
- to be attached to the lifting link with the same connection link as the chain
- used for shortening chain legs
- paint coated
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	A mm	K mm	P mm	Weight kg	Product code
6	1,12	13	51	8	0,14	LYK6
7/8	2,00	18	61,5	10	0,245	LYK78
10	3,15	20	80	13	0,65	LYK10
13	5,30	26	99	16	1,39	LYK13
16	8,00	30	104	20	2,20	LYK16
20	12,50	37	140	25	4,60	LYK20
22	15,00	44	165	28	8,20	LYK22
26	21,20	41	188	30	9,80	LYK26
32	31,50	57	228	38	19,40	LYK32

CLEVIS GRAB HOOK

- attached to the lifting link with a separate connection link and chain
- other features are the same as those of the above listed hooks
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	A mm	K mm	P mm	F mm	H mm	Weight kg	Product code
7/8	2,00	9	70	11	33	18	0,32	LYKH78
10	3,15	12	97	13	46	29	0,73	LYKH10
13	5,30	15	121	16	57	42	1,60	LYKH13
16	8,00	18	141	19	74	42	2,80	LYKH16
20	12,50	23	163	24	74	56	5,00	LYKH20

SHORTENING CLUTCH

- separate shortening clutch, which can be attached to any part of the chain without tools
- paint coated
- safety factor 4 : 1
- EN-1677



For chain mm	WLL t	t mm	l mm	Weight kg	Product code
6	1,00	79	100	0,3	LYKT16
8	2,00	91	142	0,9	LYKT18
10	3,20	121	162	1,3	LYKT110
13	5,30	160	210	2,4	LYKT113

SHORTENING CLUTCH, FIXED VK

- attachment to a lifting link with a separate chain, to which the hook is attached with a pin
- can be used for normal shortening or for making a loop around the piece to be lifted
- paint coated
- safety factor 4 : 1
- EN-1677

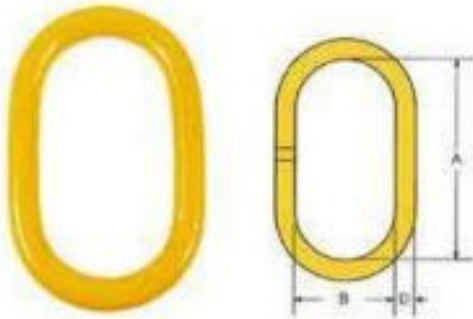


For chain mm	WLL t	d mm	t mm	Weight kg	Product code
6	1,00	8	45	0,2	LYKTK6
8	2,00	10	54	0,5	LYKTK8
10	3,20	12	74	0,9	LYKTK10
13	5,30	16	77	1,5	LYKTK13
16	8,00	20	92	2,6	LYKTK16

MASTER LINK FOR 1- AND 2-LEG LIFTING CHAIN ASSEMBLIES DIN 5688

- standard size master links for chain assemblies
- paint coated
- safety factor 4 : 1
- EN-1677

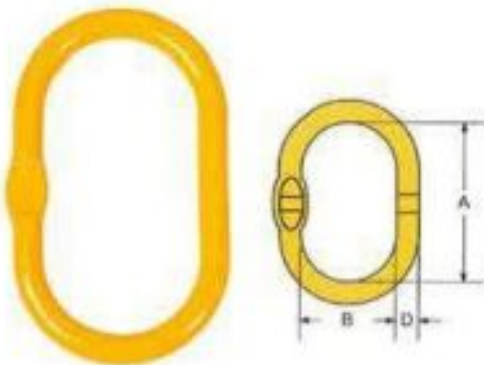
1-leg for chain mm	2-leg for chain mm	WLL t	A mm	B mm	D mm	Weight kg	Product code
6/7	6	1,6	110	60	13	0,34	NOR76
8	7	2,12	110	60	16	0,53	NOR87
10	8	3,15	135	75	18	0,80	NOR108
13	10	5,3	160	90	22	1,50	NOR1310
16	13	8,0	180	100	26	2,30	NOR1613
18	16	11,2	200	110	32	3,90	NOR1816
20	18	14,0	260	140	36	6,35	NOR2218
22	20	17,0	300	160	40	9,00	NOR2220
26	22	21,2	340	180	45	12,80	NOR2622
32	26	31,5	350	190	50	17,20	NOR3226
36	32	45,0	400	200	56	24,20	NOR3632



MASTER LINK, EXTRA LARGE

- larger than normal master links for chain assemblies
- paint coated
- safety factor 4 : 1
- EN-1677

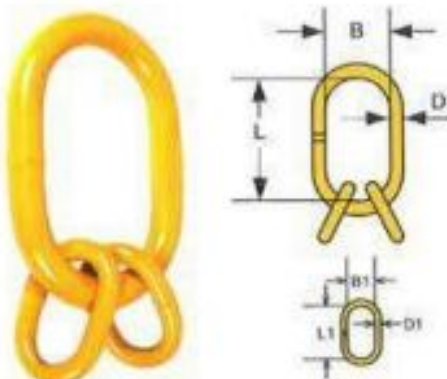
1-leg for chain mm	2-leg for chain mm	WLL t	A mm	B mm	D mm	Weight kg	Product code
10	7/8	3,2	190	100	16	0,86	NOR16B7
13	10	6,4	300	210	25	5,53	NORY025
13	10	7,0	210	110	22	1,83	NOR22B7
16	13	11,0	300	210	32	5,94	NORY032
16	13/16	11,5	270	140	28	3,80	NOR28B7
20	16	14,2	210	110	28	3,06	NOR28B6
22	20	17,0	270	140	32	5,05	NOR32B6
22	20	19,0	420	220	38	10,78	NOR38B7
26	22	28,0	270	140	38	7,29	NOR38B6
26	22	27,0	470	250	45	17,06	NOR45B7
36	32	45,0	380	200	50	17,65	NOR50B6
36	32	65,0	430	220	60	28,85	NOR60B6



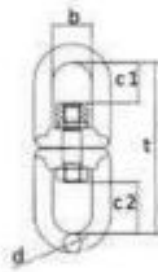
MASTER LINK ASSEMBLY FOR 3- AND 4-LEG ASSEMBLIES DIN 5688

- used for 3- and 4-leg lifting chain assemblies
- paint coated safety factor 4 : 1
- EN-1677

3/4-leg for chain mm	WLL t	L mm	B mm	D mm	B1 mm	D1 mm	L1 mm	Weight kg	Product code
6	2,4	135	75	18	25	14	54	1,2	NRLI6
7/8	4,3	160	90	22	34	16	70	2,2	NRLI78
10	6,7	180	100	26	40	18	85	3,4	NRLI10
13	11,2	200	110	32	50	22	115	6,0	NRLI13
16	17,0	260	140	36	65	26	140	10,0	NRLI16
20	26,5	350	190	51	70	32	150	23,3	NRLI20
22	32,0	350	190	51	75	36	170	25,9	NRLI22
26	45,0	400	200	57	80	40	170	35,2	NRLI26
32	67,0	460	250	72				67,6	NRLI32



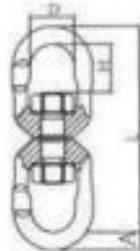
LIFTING SWIVEL WITH BEARING, EYE/EYE



- small, duration lubricated, easily rotating swivels for using with lifting chains
- large eye / eye ends
- paint coated
- safety factor 4 : 1 / EN-1677

For chain mm	WLL t	b mm	c1 mm	c2 mm	d mm	t mm	Weight kg	Product code
7/8	2,0	37	40	40	14	153	1,07	LEIK78SS
10	3,2	39	35	65	19	168	1,50	LEIK10SS
13	5,0	61	65	100	28	258	3,40	LEIK13SS

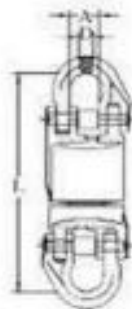
LIFTING SWIVEL, EYE/EYE



- rotating sliding surface swivels for using with lifting chains
- large eye / eye end
- paint coated
- safety factor 4 : 1 / EN-1677

For chain mm	WLL t	A mm	D mm	H mm	L mm	Weight kg	Product code
7/8	2,0	12	35	28	164	0,60	LEILIU78SS
10	3,2	15	42	34	194	1,50	LEILIU10SS
13	5,0	18	50	43	216	1,75	LEILIU13SS
16	8,0	21	61	56	289	4,52	LEILIU16SS

BEARING SWIVEL, EYE/EYE, ELECTRICALLY ISOLATED

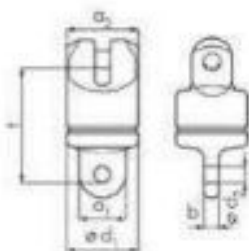


- small, duration lubricated, easily rotating swivels for using with lifting chains
- connection link / connection link ends
- paint coated
- safety factor 4 : 1 / EN-1677

For chain mm	WLL t	A mm	D mm	L mm	Weight kg	Product code
7/8	2,0	18	9	131	0,7	LEIK78LL
10	3,15	25	11	162	1,5	LEIK10LL
13	5,3	30	16	214	3,2	LEIK13LL
16	8,0	36	19	243	5,4	LEIK16LL
20	12,5	42	22	285	9,0	*LEIK20LL

* Items marked with an asterisk delivery in 3 - 4 weeks

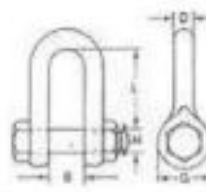
BEARING SWIVEL, CLEVIS/EYE GRADE 10



- small, duration lubricated, easily rotating swivels for using with lifting chains, GRADE 10
- fork / eye ends
- paint coated/yellow passivated
- safety factor 4 : 1

For chain mm	WLL t	a1 mm	a2 mm	b mm	Ød1 mm	Ød2 mm	t mm	Weight kg	Product code
6	1,40	20	36	6	36	8	51	0,26	LEIK6SH
8	2,50	26	43	8	41	10	56	0,41	LEIK8SH
10	4,00	35	52	10	51	13	73	0,86	LEIK10SH
13	6,70	43	65	13	59	17	88	1,51	LEIK13SH

CHAIN SHACKLE



- can be attached to the chain directly without a connection link
- paint coated
- safety factor 4 : 1 / EN-1677

For chain mm	WLL t	B mm	D mm	G mm	L mm	M mm	Weight kg	Product code
7/8	2,00	15	8	20	30	10	0,15	SAKSA78
10	3,15	20	11	35	39	12	0,34	SAKSA10
13	5,30	24	13	42	52	16	0,66	SAKSA13
16	8,00	33	16	51	65	20	1,14	SAKSA16

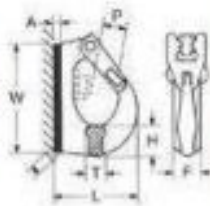
RELEASE-A-MATIC HOOK GRADE 8



- hooks that can be launched / opened by using a rope
- useful when the item to be lifted must be released or dropped at a long distance from the item
- surface treatment electric galvanizing
- two sizes available
- safety factor 4 : 1 / EN-1677

WLL t	Weight kg	A circ. mm	Product code
1,6	0,9	23	LAUK16
6,4	5,3	37	LAUK64
8,1	5,0	38	LAUK8

EXCAVATOR HOOK, WELDABLE



- weld-on hooks for excavator dippers, work machines and vehicles
- paint coated
- safety factor 4 : 1 / EN-1677

WLL t	A mm	W mm	P mm	T mm	L mm	H mm	F mm	Weight kg	Product code
2,0	5	80	25	20	94	24	34	0,80	KAKO02
3,0	6	115	30	24	105	30	36	1,20	KAKO03
5,0	10	155	34	28	132	43	44	2,50	KAKO05
8,0	12	160	34	38	135	51	51	3,30	KAKO08
10,0	15	200	50	39	167	55	53	5,20	KAKO10

SPARE PART KITS FOR EXCAVATOR HOOK



Product	Product code
latch kit 1-3 t for excavator hook	KAKOKOR02
latch kit 5-8 t for excavator hook	KAKOKOR05
latch kit 10 t for excavator hook	KAKOKOR10

FARM HOOK



- for lifting e.g. large sacks
- paint coated
- safety factor 4 : 1 / EN-1677

WLL t	Ø1 mm	B mm	Ø2 mm	L mm	H mm	Weight kg	Product code
2,0	35	170	33	254	49	3,1	MKOU2

S-HOOK, EN-1677



- grade 8 for lifting
- paint coated
- safety factor 4 : 1 / EN-1677

WLL t	a mm	b mm	c mm	Weight kg	Product code
0,3	13	100	30	0,2	SKOU803
0,5	16	130	40	0,5	SKOU805
1,0	20	180	55	1,0	SKOU810
1,5	26	220	65	2,0	SKOU815
2,0	32	260	80	3,6	SKOU820
3,0	36	320	95	5,6	SKOU830
4,0	40	360	110	7,9	*SKOU840
5,0	45	400	120	11,0	*SKOU850
6,0	50	450	135	15,3	*SKOU860

* Items marked with an asterisk delivery in 1-2 weeks.

1- AND 2-LEG CHAIN SLINGS

- self-locking safety hooks or latch hooks as standard ends
 - alternative ends are also available, e.g. weld-on hooks, shackles etc.
 - the assemblies include a load plate a CE marking
 - paint coated
 - safety factor 4 : 1
 - EN 818-4
- The last two numbers of the product code refer to the length, when ordering, e.g. a 3m 2-leg assembly with a 10mm chain and a safety hook, the product code is **NKV10203**. If you want to include shortening hooks in the assembly, the product code is **NKV10203L**.
- Note! The leg length of the chain assembly, unless specifically ordered, is as presented in the image L1.



1-LEG



Chain size	WLL	Safety hooks	Safety hooks + Shortening hooks	Latch hooks	Latch hooks + Shortening hooks
mm	t	Product code	Product code	Product code	Product code
6	1,12	NKV06101	NKV06101L	NKS06101	NKS06101L
7	1,50	NKV07101	NKV07101L	NKS07101	NKS07101L
8	2,00	NKV08101	NKV08101L	NKS08101	NKS08101L
10	3,15	NKV10101	NKV10101L	NKS10101	NKS10101L
13	5,30	NKV13101	NKV13101L	NKS13101	NKS13101L
16	8,00	NKV16101	NKV16101L	NKS16101	NKS16101L
20	12,50	NKV20101	NKV20101L	NKS20101	NKS20101L
22	15,00	NKV22101	NKV22101L	NKS22101	NKS22101L
26	21,20	NKV26101	NKV26101L	NKS26101	NKS26101L
32	31,50	-	-	NKS32101	NKS32101L

2-LEG



Chain size	WLL t	WLL t	Safety hooks	Safety hooks + Shortening hooks	Latch hooks	Latch hooks + Shortening hooks
mm	0 - 45° chain angle	45 - 60° chain angle	Product code	Product code	Product code	Product code
6	1,60	1,12	NKV06201	NKV06201L	NKS06201	NKS06201L
7	2,12	1,50	NKV07201	NKV07201L	NKS07201	NKS07201L
8	2,80	2,00	NKV08201	NKV08201L	NKS08201	NKS08201L
10	4,25	3,15	NKV10201	NKV10201L	NKS10201	NKS10201L
13	7,50	5,30	NKV13201	NKV13201L	NKS13201	NKS13201L
16	11,20	8,00	NKV16201	NKV16201L	NKS16201	NKS16201L
20	17,00	12,50	NKV20201	NKV20201L	NKS20201	NKS20201L
22	21,20	15,00	NKV22201	NKV22201L	NKS22201	NKS22201L
26	30,00	21,20	NKV26201	NKV26201L	NKS26201	NKS26201L
32	45,00	31,50	-	-	NKS32201	NKS32201L

3- AND 4-LEG CHAIN SLINGS

- self-locking safety hooks or latch hooks as standard ends
- alternative ends are also available, e.g. weld-on hooks, shackles etc.
- the assemblies include a load plate a CE marking
- paint coated
- safety factor 4 : 1
- EN 818-4



- The last two numbers of the product code refer to the length, when ordering, e.g. a 3m 4-leg assem with a 10mm chain and a safety hook, the product code is **NKV10403**. If you want to include shortening hooks in the assembly, the product code is **NKV10403L**
- Note! The leg length of the chain assembly, unless specifically ordered, is as presented in the image L1

3-LEG



Chain size mm	WLL t 0 - 45° chain angle	WLL t 45 - 60° chain angle	Safety hooks Product code	Safety hooks + Shortening hooks Product code	Latch hooks Product code	Latch hooks + Shortening hooks Product code
6	2,36	1,70	NKV06301	NKV06301L	NKS06301	NKS06301L
7	3,15	2,24	NKV07301	NKV07301L	NKS07301	NKS07301L
8	4,25	3,00	NKV08301	NKV08301L	NKS08301	NKS08301L
10	6,70	4,75	NKV10301	NKV10301L	NKS10301	NKS10301L
13	11,20	8,00	NKV13301	NKV13301L	NKS13301	NKS13301L
16	17,00	11,80	NKV16301	NKV16301L	NKS16301	NKS16301L
20	26,50	19,00	NKV20301	NKV20301L	NKS20301	NKS20301L
22	31,50	22,40	NKV22301	NKV22301L	NKS22301	NKS22301L
26	45,00	31,50	NKV26301	NKV26301L	NKS26301	NKS26301L
32	67,00	47,50	-	-	NKS32301	NKS32301L

4-LEG



Chain size mm	WLL t 0 - 45° chain angle	WLL t 45 - 60° chain angle	Safety hooks Product code	Safety hooks + Shortening hooks Product code	Latch hooks Product code	Latch hooks + Shortening hooks Product code
6	2,36	1,70	NKV06401	NKV06401L	NKS06401	NKS06401L
7	3,15	2,24	NKV07401	NKV07401L	NKS07401	NKS07401L
8	4,25	3,00	NKV08401	NKV08401L	NKS08401	NKS08401L
10	6,70	4,75	NKV10401	NKV10401L	NKS10401	NKS10401L
13	11,20	8,00	NKV13401	NKV13401L	NKS13401	NKS13401L
16	17,00	11,80	NKV16401	NKV16401L	NKS16401	NKS16401L
20	26,50	19,00	NKV20401	NKV20401L	NKS20401	NKS20401L
22	31,50	22,40	NKV22401	NKV22401L	NKS22401	NKS22401L
26	45,00	31,50	NKV26401	NKV26401L	NKS26401	NKS26401L
32	67,00	47,50	-	-	NKS32401	NKS32401L

CHOKER CHAIN SLING

- used for tightening loop lift
 - perfect for lifting, among others, pipe bundles, lumber bundles and reinforcement steel
 - the assemblies include a load plate a CE marking
 - paint coated
 - safety factor 4 : 1
- The last two numbers of the product code refer to the length, when ordering, e.g. a 3m 2-leg assembly with a 10mm chain and a safety hook, the product code is **NKLI10203**. If you want to include shortening hooks in the assembly, the product code is **NKLI10203L**.
- **Note!** The leg length of the chain assembly, unless specifically ordered, is as presented in the image **L1**.



1-LEG

Chain size	WLL	Sliding hooks	Sliding hooks + Shortening hooks
mm	t	Product code	Product code
7	1,2	NKLI07101	NKLI07101L
8	1,6	NKLI08101	NKLI08101L
10	2,5	NKLI10101	NKLI10101L
13	4,2	NKLI13101	NKLI13101L
16	6,3	NKLI16101	NKLI16101L

2-LEG

Chain size	WLL	WLL	Sliding hooks	Sliding hooks + Shortening hooks
mm	t	t	Product code	Product code
	0 - 45°	45 - 60°		
	chain angle	chain angle		
7	1,7	1,2	NKLI07201	NKLI07201L
8	2,2	1,6	NKLI08201	NKLI08201L
10	3,5	2,5	NKLI10201	NKLI10201L
13	6,0	4,2	NKLI13201	NKLI13201L
16	8,9	6,3	NKLI16201	NKLI16201L



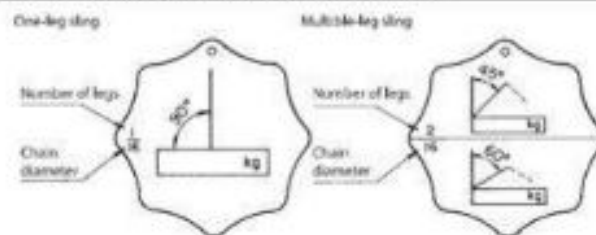
PERMITTED WORKLOADS CHAIN SLING ASSEMBLY 8-GRADE



CHAIN SIZE MM	INCLINATION		45°		60°	
	OPENING		(90°)		(120°)	
	ONE-LEG	TWO-LEG		THREE- AND FOUR LEG		
6	1120	1600	1120	2360	1700	
7	1500	2120	1500	3150	2240	
8	2000	2800	2000	4250	3000	
10	3150	4250	3150	6700	4750	
13	5300	7500	5300	11200	8000	
16	8000	11200	8000	17000	11800	
19	11200	16000	11200	23600	17000	
20	12500	17000	12500	26500	19000	
22	15000	21200	15000	31500	22400	
26	21200	30000	21200	45000	31500	
32	31500	45000	31500	67000	47500	
36	40000	56000	40000	84000	60000	
40	50000	70000	50000	105000	75000	
45	63000	88200	63000	132300	94500	
COEFFICIENTS USED IN CALCULATING ALLOWABLE						
	1	1,4	1	2,1	1,5	
FOR A TIGHTENING LIFT, THE TABLE VALUES ARE MULTIPLIED BY 0.8.						

WLL PLATES FOR LIFTING CHAINS

CE MARKING ON THE REVERSE OF LOAD PLATES



ALWAYS CHECK LIFTING CHAIN ASSEMBLIES VISUALLY BEFORE USE AND THOROUGHLY AT LEAST ONCE A YEAR

LIFTING INSTRUCTIONS

MAX 200°C



CHECK THE LOAD'S WEIGHT



NOTE THE LIFTING ANGLE AND MASS CENTRE OF THE LOAD



DO NOT LIFT WITH THE HOOK TIP



THE CHAIN MUST NOT BE TWISTED

DO NOT USE FAULTY LIFTING CHAIN

Operating temperature

WLL stated as percentage of nominal load			
Temperature, t, °C			
-40 ≤ t ≤ 200	200 ≤ t ≤ 300	300 ≤ t ≤ 400	400 ≤ t
100	90	75	not allowed

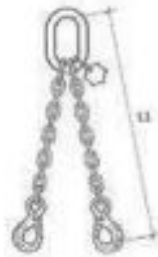
CHAIN SLING ASSEMBLY IN CARRY CASES GRADE 8 AND 10

- complete 2-leg lifting chain assemblies in plastic cases with lifting handle
- three chain sizes: 6, 8 and 10mm
- all assemblies include self-locking safety hooks and shortening hooks
- include a load plate
- barcode labels on cases



GRADE 8 EN 818-4

Chain size mm	Chain leg Length (L1) m	WLL 0- 45° t	WLL 45 - 60° t	Weight kg	Product code
6	2	1,60	1,12	4,8	NKV06202LVP
8	2	2,80	2,00	7,9	NKV08202LVP
10	3	4,25	3,15	18,0	NKV10203LVP



GRADE 10 (HIGHER WORKLOAD WITH SAME CHAIN SIZE!)

Chain size mm	Chain leg Length (L1) m	WLL 0- 45° t	WLL 45 - 60° t	Weight kg	Product code
6	2	1,96	1,4	4,8	NKVE06202LVP
8	2	3,5	2,5	7,9	NKVE08202LVP
10	3	5,6	4,0	20,2	NKVE10203LVP

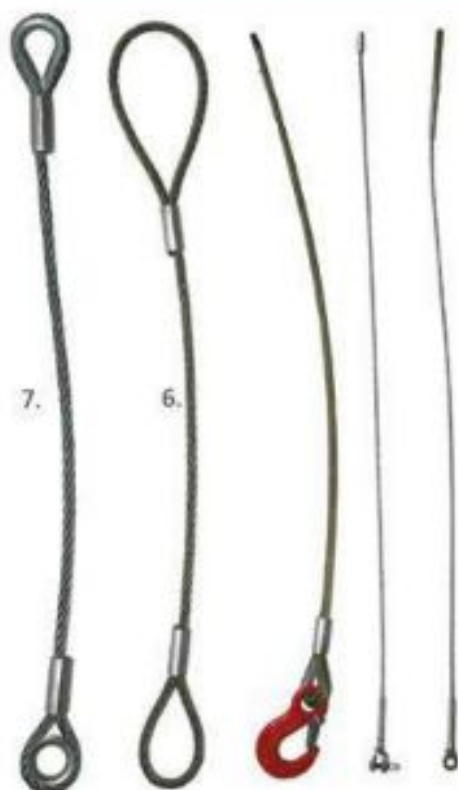




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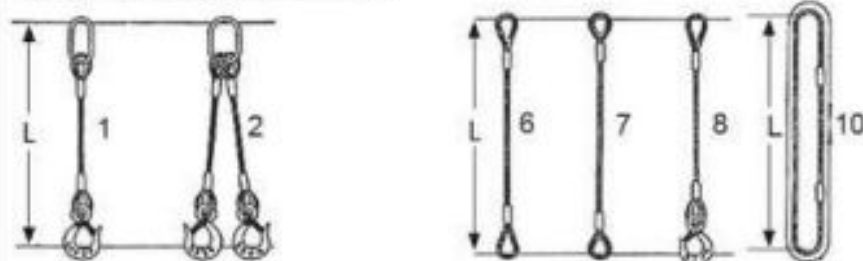
STEEL WIRE ROPE SLINGS



- slings with eyes (type 6) and slings with eyes and thimbles (type 7) as standard types. 7
- made from galvanized 216-wire rope with pressing buckles
- also available with spliced connections
- also higher workloads and special types with thread ends, turnbuckle ends etc.
- safety factor 5:1

When ordering, for example, a 16mm Steel wire rope roundsling type 8, length 9m, the product code is **TER81609**

Other sling types are listed below



WLL t	Rope size mm	Standard eye length mm	Product code type no. 6	Product code type no. 7
0,35	6	100	TER60601	TER70601
0,70	8	150	TER60801	TER70801
1,05	10	150	TER61001	TER71001
1,55	12	200	TER61201	TER71201
2,12	14	200	TER61401	TER71401
2,70	16	250	TER61601	TER71601
3,40	18	250	TER61801	TER71801
4,35	20	300	TER62002	TER72002
5,20	22	300	TER62202	TER72202
6,30	24	350	TER62402	TER72402
7,20	26	350	TER62602	TER72602
8,40	28	400	TER62802	TER72802
9,70	30	400	TER63002	TER73002
11,00	32	400	TER63202	TER73202
14,00	36	-	TER63603	TER73603
17,00	40	-	TER64003	TER74003
21,00	44	-	TER64403	TER74403
25,00	48	-	TER64803	TER74803
29,00	52	-	TER65203	TER75203
33,50	56	-	TER65603	TER75603
39,00	60	-	TER66003	TER76003

Delivery 5-7 days.

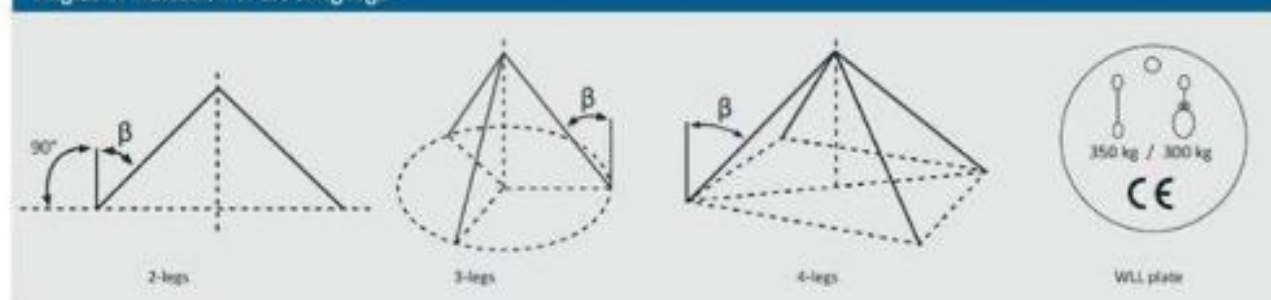
WORKLOADS FOR STEEL WIRE ROPE SLINGS

Rope Diam. mm	1-leg kg		2-legs kg				3- and 4- legs kg	
	Direct lift	Tightening lift	$0^\circ < \beta < 45^\circ$		$45^\circ < \beta < 60^\circ$		Direct lift	Tightening lift
			Direct lift	Tightening lift	Direct lift	Tightening lift		
6	380	300	530	420	380	300	800	570
8	700	560	950	780	700	560	1500	1050
10	1050	840	1500	1170	1050	840	2250	1600
11	1300	1040	1800	1450	1300	1040	2700	1950
12	1550	1240	2120	1730	1550	1240	3300	2300
13	1800	1440	2500	2010	1800	1440	3850	2700
14	2120	1700	3000	2370	2120	1700	4350	3150
16	2700	2160	3850	3020	2700	2160	5650	4200
18	3400	2720	4800	3800	3400	2720	7200	5200
20	4350	3480	6000	4870	4350	3480	9000	6500
22	5200	4160	7200	5820	5200	4160	11000	7800
24	6300	5040	8800	7050	6300	5040	13500	9400
26	7200	5760	10000	8060	7200	5760	15000	11000
28	8400	6720	11800	9400	8400	6720	18000	12500
30	9700	7760	13580	10860	9700	7760	20370	14550
32	11000	8800	15000	12320	11000	8800	23500	16500
36	14000	11200	19000	15680	14000	11200	29000	21000
40	17000	13600	23500	19040	17000	13600	36000	26000
44	21000	16800	29000	23520	21000	16800	44000	31500
48	25000	20000	35000	28000	25000	20000	52000	37000
52	29000	23200	40000	32480	29000	23200	62000	44000
56	33500	26800	47000	37520	33500	26800	71000	50000
60	39000	31200	54000	43680	39000	31200	81000	58000
	1,00	0,80	1,40	1,12	1,00	0,80	2,10	1,50

COEFFICIENTS USED IN CALCULATING WLL

The values of the allowable loads show in the table only apply when the load is equally distributed between the different legs.

Angles of indication of the sling legs



Factors affecting the load of slings

When lifting, factors that affect the load of slings include, in addition to the weight of the load, the angle between the legs of the sling and the size of possible bending radius. It is strictly forbidden to use angles of over 120°. The effect of the lifting angle on the carrying capacity of the sling is presented in image 1. Small bending radius lead to a local increase in the load of the rope. If, for example, a rope is wrapped around an axle that is equal to the rope's diameter, the carrying capacity will decrease to approx. 50% of the origin (see image 2.). In addition, the rope will have a permanent distortion. For these reasons, the eyes should always be equipped with thimbles and corner protectors should be used on the sharp corners of the load as well as the ropes's point of contact.

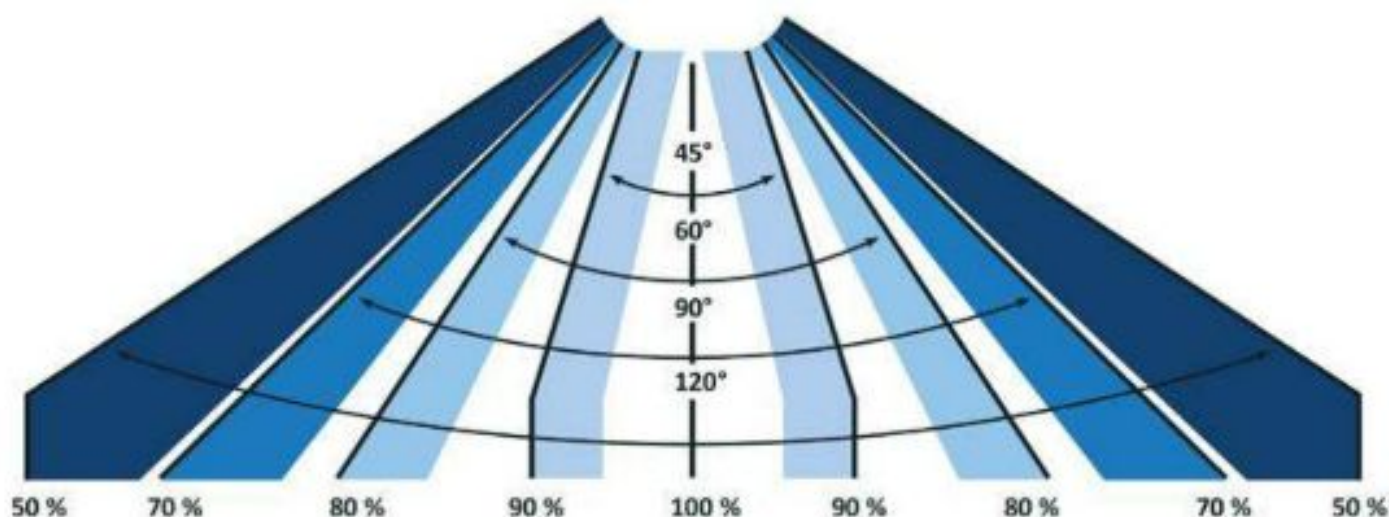


Image 1. The carrying capacity of the sling decreases as the lifting angle increases so that it will be only 50% of the original with a 120° mounting angle.

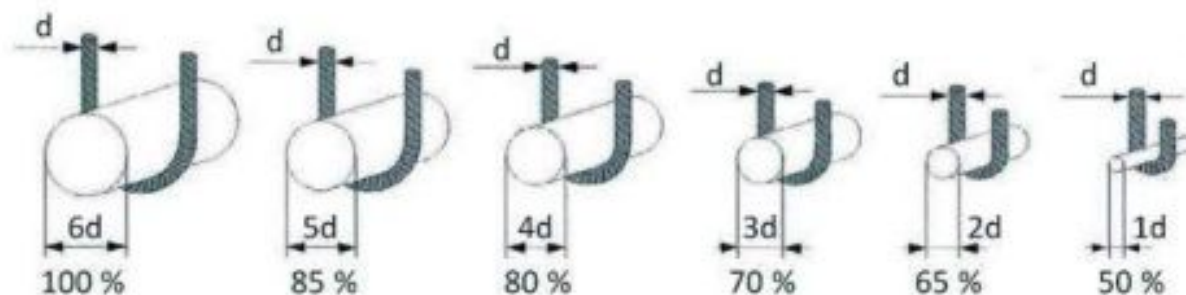


Image 2. The carrying capacity of the sling decreases, as the bending radius decreases. The carrying capacity of a sling that is wrapped around a rod equal to the diameter of the rope is only 50% of the origin.

3. Chain Hoists, Wire Rope Hoists, Lever Hoists and Trolleys

Electric Chain Hoists

Compressed Air Hoists and Winches ^{NEW}

Trolleys

Lever Hoists

Hand Chain Hoists

Wire Rope Hoists / Hand Strap Pullers

Electric Wire Hoists

Wire Rope Pulling Hoists



LIFTKET ELECTRIC CHAIN HOISTS 400 V / 50 Hz



- lifting capacity 125 kg - 25000 kg
- available with a hook suspension or an integrated motor trolley
- 2-lifting speeds
- standard lifting height 6 m, other heights available for individual order
- if the lifting height is over 20m, it may lower the hoist WLL
- control cable standard length 4.5m, other lengths for individual order
- the control switch is equipped with an emergency stop
- normal lifting heights are always equipped with a chain bag
- protection class IP55
- made in Germany

Haklift push trolleys can also be used with hoists that are equipped with a hook suspension.

Check the hoist schematics on the next page.

WLL kg	no. of chains	Chain size mm	1. speed m/min	2. speed m/min	ED %	Engine power kW	Weight kg	With hook suspension Product code	With motor trolley Product code
125	1	4x12	8,00	2,00	50/40/240	0,32	16	SKT125KV2	*SKT125MV2
250	1	4x12	8,00	2,00	40/25/240	0,32	17	SKT250KV2	*SKT250MV2
500	2	7,2x21	4,00	1,00	40/25/240	0,32	18	SKT500KV2	*SKT500MV2
1000	2	7,2x21	5,00	1,25	60/25/240	1,10	47	SKT1000KV2	*SKT1000MV2
2000	2	7,2x21	3,00	0,75	60/25/240	1,10	47	SKT2000KV2	*SKT2000MV2
3200	2	9x27	5,00	1,25	60/25/240	3,00	88	*SKT3200KV2	*SKT3200MV2
5000	2	11,3x31	5,00	1,25	40/24/240	4,40	125	*SKT5000KV2	*SKT5000MV2
6300	2	11,3x31	4,00	1,00	25/25/150	4,40	125	-	*SKT6300MV2
8000	2	16x45	2,80	0,70	60/40/240	6,00	199	-	*SKT8000MV2
10000	2	16x45	2,80	0,70	60/40/180	6,40	199	-	*SKT10000MV2
12500	2	16x45	2,80	0,70	60/40/150	6,40	199	-	*SKT12500MV2
25000	2	23,5x66	3,20	0,80	25/10/150	12,50	531	-	*SKT25000MV2

* Items marked with an asterisk approx. 5 weeks delivery.

LIFTKET ELECTRIC CHAIN HOISTS 230 V / 50 Hz



- lifting capacity 250 kg - 2000 kg
- available with a hook suspension or an integrated motor trolley
- 1-lifting speed
- standard lifting height 6 m, other heights available for individual order
- if the lifting height is over 20m, it may lower the hoist WLL
- control cable standard length 4.5m, other lengths for individual order
- the control switch is equipped with an emergency stop
- normal lifting heights are always equipped with a chain bag
- protection class IP55
- made in Germany

Haklift push trolleys can also be used with hoists that are equipped with a hook suspension.

Check the hoist schematics on the next page.

WLL kg	No. of chains	Chain size mm	Speed m/min	ED %	Engine power kW	Weight kg	With hook suspension Product code
250	1	4x12	8	40/240	0,25	17	SKT250KVVR
500	2	4x12	4	40/240	0,25	18	SKT500KVVR
1000	2	7,2x21	5	40/240	1,10	42	SKT1000KVVR
2000	2	7,2x21	3	40/240	1,10	43	SKT2000KV

Items have approx. 5 weeks delivery time.

CHAIN OIL

It is important to take care of the lubrication of the hoist chain. Correctly lubricated chain has a longer life span, ensuring the safe and silent operation of the product

LIFTING HOIST CHAIN OIL

- Practical spray for lubrication of chains, ropes and winches
- Prevents wearing, hits, moisture, dust and corrosive gases to harm the product
- High quality product regarding anti-corrosiveness and oxidation prevention
- Excellent lubrication film ability to attach the metal also in high temperatures. Elastic also in low temperatures
- Decreases the noise and trembling of the hoist
- Package 400 ml

Product code: KETSPRAY



LIFTKET ELECTRIC CHAIN HOIST MEASURES CHART

Hoist dimensions	A mm	B mm	C mm	G mm	G2 mm	J mm	F mm *See note!
125 kg	212	192	220	359	406	20	N 50 - 106 S1 110 - 200 S2 210 - 300
250 kg	212	192	220	359	406	20	N 50 - 106 S1 110 - 200 S2 210 - 300
500 kg	212	192	220	407	454	22	N 50 - 106 S1 110 - 200 S2 210 - 300
1000 kg	266	232	274	505	561	28	N 66 - 135 S1 137 - 215 S2 220 - 300
2000 kg	266	232	274	505	561	28	N 66 - 135 S1 137 - 215 S2 220 - 300
3200 kg	359	283	259	596	655	30	N 82 - 155 S1 137 - 215 S2 220 - 300
5000 kg	359	291	410	740	807	42	N 90 - 155 S1 160 - 226 S2 240 - 310
6300 kg	359	291	410	740	807	42	N 90 - 155 S1 160 - 226 S2 240 - 310
8000 kg	567	183	434	916	994	50	N 140 - 230 S1 220 - 310
10000 kg	567	183	434	916	994	50	N 140 - 230 S1 220 - 310
12500 kg	567	183	434	916	994	50	N 140 - 230 S1 220 - 310
25000 kg	700	423	556	1456	1703	67	N 140 - 230 S1 220 - 310

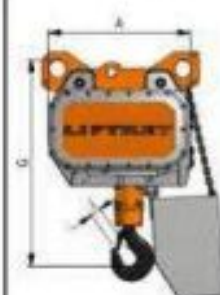
HUOM!

- The "F" value refers to the dimension range of the I beam, which can be equipped with a trolley. The trolley is available in different sizes. Contact our sales for more information!
- The manufacturer reserves the right to change the measures.

125 - 6300 kg

8000 - 12500 kg

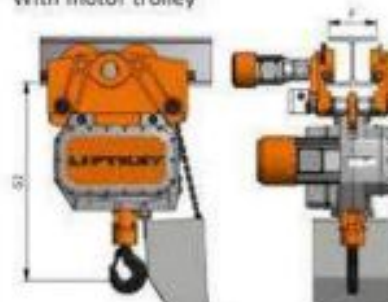
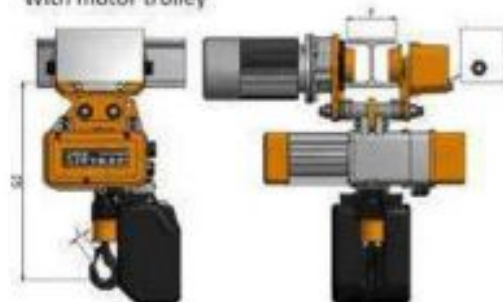
25000 kg



With motor trolley

With motor trolley

With motor trolley



ELECTRIC CHAIN HOISTS, BATTERY OPERATED

NEW

- packed in practical box, small sized and efficient electric chain hoist
- equipped with remote control with load / overload indicator and stepless speed control
- length of the remote control cable 2,0 m
- lifting height 3,0 m
- protection class IP54
- 2 pcs 18V 3,0 Ah batteries
- NI-MH battery operationable 15 min and Li-ion battery 20 min, with continuous full load
- package includes: hoist, wire bag, remote control, 2 batteries and charger

WLL kg	Lift height m	Chain mm	No. of chains	Speed m/min	Battery	Body Measures S x L x K	Weight kg	Product code
250	3,0	4,0	1	4,0	18V NI-MH 3.0 Ah	173 x 257 x 355	6,70	SKTH25018V
500	3,0	4,0	2	2,0	18V Li-ion 3.0 Ah	173 x 257 x 375	8,80	SKTH50018V



ELECTRIC CHAIN HOISTS 230 V / 50 Hz



- small and compact aluminium body ed electric chain hoist
- equipped with a chain bag and both upper and lower limit switches
- protection class IP54
- longer control and power cables and chains available for individual order
- operating temperature -10 - (+)50°C

WLL kg	Lifting height m	No. of chains	Lifting chain mm	Speed m/min	ED %	Engine power kW	Product code
250	3	1	6,3	10	35	1,30	SKTH250MINI
500	6	1	6,3	5	35	1,30	SKTH500MINI
1000	6	2	6,3	2,5	35	1,30	SKTH1000MINI

MEASUREMENTS

Product code	Control cable Length m	Power cable Length m	Body width mm	Body depth mm	Body + chain min. height mm	Weight kg
SKTH250MINI	3	5	420	160	480	18,5
SKTH500MINI	6	5	420	160	480	21,0
SKTH1000MINI	6	5	420	160	500	26,0



Lubrication of the hoist chains is important. Look for the lubrication oil on page 3-2.

ELECTRIC CHAIN HOIST 380V 50 Hz



- robust, steel body ed electric chain hoist
- induction engine
- 48V low voltage control
- equipped with a chain bag and both upper and lower limit switches
- thermal protection switch and over loading protection
- protection class IP65 (trolley IP54)
- longer control and power cables and chains available for individual order
- **can be equipped with an electric trolley. The hoist has reserved slots for the connections and both hoist and trolley function with the same control.**
- operating temperature -10 - (+)50°C

WLL	Lifting height	No. of chains	Lifting chain	Speed	ED %	Engine power kW	Product code
kg	m		mm	m/min			
1000	6	1	7,1	6	40	1,47	SKTH1000
2000	6	2	7,1	3	40	1,47	SKTH2000

MEASUREMENTS

Product code	Control cable Length	Power cable Length	Body width	Body depth	Body + chain min. height	Weight
	m	m	mm	mm	mm	kg
SKTH1000	6	1,5	430	290	600	53,0
SKTH2000	6	1,5	430	290	600	61,0



Lubrication of the hoist chains is important. Look for the lubrication oil on page 3-2.

ELECTRIC TROLLEY 380 V / 50 Hz

ELECTRIC TROLLEY (fits to models SKTH1000 and SKTH2000)



WLL	Speed	Engine power kW	I-beam	Dimensions width x depth x height	Weight	Product code
kg	m/min		mm	mm	kg	
2000	18	0,37	100 - 125	470x295x241	39,0	SKTH2000MSIV

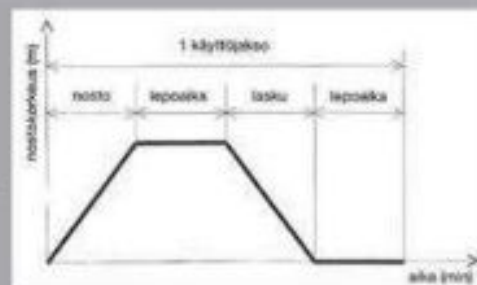
ELECTRIC CHAIN HOIST UTILISATION RATE (ED %)

The utilisation rate and number of operating cycles per hour should not be higher than what is marked on the type plate or specifications chart. (FEM 9.682)

Utilisation rate, expressed as durability factor:
$$\frac{\text{operating time}}{\text{operating time} + \text{break time}}$$

Equation:

The utilisation rate is limited in order to prevent the engine from overheating. The operating time depends on the lifting height, lifting speed and the amount of lifting movements. As it is difficult to observe the operating time, the instructions are below.



First operational period:

(chart 2.)

Operational period that is allowable without a break for cooling down the engine, when the motor temperature at start-up is about 20 °C.

This operating time is not allowable for low-speed engines. When the maximum operating time is reached, the operation of the hoist must be stopped.

First use after the operational period:

(chart 3.)

The operation must be stopped when the maximum allowable operating time is reached. The following breaks are mandatory, depending on the utilisation rate of the hoist.

Example:

Electric chain hoist type 500/1-10 is for 500kg loads and 5m lifting height.

Performance figures: Lifting load 500 kg
 Lifting speed 10m / min
 Continuous operation 40% (utilisation rate)

When operation is started, the hoist temperature is about 20 °C.

Operating for approximately 40 minutes without breaks is allowable.

This covers:

40 lifting/lowering movements * 500kg lifting load = 20,000kg of goods can be lifted

After 40 minutes, a break of 1.5 minutes per each operating minute must be taken approx.

This break normally takes place when attaching or unloading a load.

Note! An engine thermal protection device is available separately (it is standard in 24V low voltage control systems).

Chart 2.

Utilisation rate %	Running gear group DIN 5084	Operation period min
20	1 Bm	15
25	1 Bm	20
40	2 Bm	40

Chart 3.

Utilisation rate %	Break min
15	5 times operating time
20	4 times operating time
25	3 times operating time
30	2,5 times operating time
40	1,5 times operating time
50	1 times operating time
60	0,66 times operating time

RED ROOSTER AIR COMPRESSED HOISTS AND WINCHES



NEW

RED ROOSTER compressed air hoists and winches offer wide selection for industrial and maritime use. All Red Rooster winches and hoists are according to ATEX 94/9/EC directive and may be used in areas and surroundings with danger of fire or explosion due to gases, chemicals or dust. Red Rooster winches and hoists operate mechanically with compressed air hence causing no sparks unlike electric winches and hoists. Red Rooster winches and hoists have been used and developed for 25 years and they are safe, easy to use and they function reliably even in difficult circumstances.

Red Rooster Hoists

- WLL 0,25 - 50,0 t
- no sparks
- strong molded steel case
- steepless speed control
- safe automatic brake, load cannot fall with loss of pressure
- low noise level (80 dB)
- low consumption of air
- operational pressure for all products 4,5 - 6 bar (7 bar max.)
- operationable in demanding circumstances
- operating temperature -10 - (+) 70°C, also -20°C possible
- spare parts easy and fast to acquire
- Wide selection of accessories, incl. radio-operated remote control



Also available special low models

Hoists with hooks

WLL t	No. of chains	Amount of air when lifting l/sec	Amount of air when lowering l/sec	lifting speed with full load m/min	Weight 3 m lift kg
0.25	1	13	15	9.3	7,0
0.25/0.5	1	25	27	12 / 10.5	9,0
0.5	2	13	15	4.6	19,0
0.5	1	28	33	17	31,1
0.98	2	28	33	8.5	23,5
1.0	2	25	27	5.3	35,2
1.0	1	25	28	6.0	34,0
2.0	2	25	30	3.0	39,7
3.0	1	33	43	2.8	69,0
6.0	2	33	43	1.4	91,0
9.0	3	33	43	0.9	150,0
10.0	2	90	100	1.5	210,0
12.0	4	33	43	0.6	170,0
15.0	5	33	43	0.5	210,0
15.0	3	90	100	1.0	320,0
20.0	4	90	100	0.75	470,0
25.0	2	90	100	0.6	490,0
37.5	3	90	100	0.35	870,0
50.0	4	90	100	0.3	1100,0

Lifting height to be defined according to needs of the client.

Trolleys

For hoist t	Amount of wheels pcs	Amount of driving wheels pcs	Min. radius of the curve	Amount of air l/sec	Speed m/min
0.25 - 2.0	4	2	1.5	25	9, 6, 12
3.0	4	2	2	25	6
6.0	4	2	2.5	25	6
9 / 10 / 12	4	2	2.5	50	8
15.0	4	2	3	50	6
20.0	4	2	3	50	4
25.0 x 4	4	2	3	50	4
25.0 x 8	8	4	straight	100	6
35.0 x 8	8	4	straight	100	4
50.0 x 8	8	4	straight	100	4

Note! In order to operate properly air compressed air, trolleys and winches need high quality air compression net equipped with moisture remover and lubrication system.

Components required can be delivered with the product

Red Rooster winches



FD-series, 8 models
Max WLL
800 - 5250 kg



SB-series for lifting, 14 models
Max WLL
1200 - 20000 kg



PFW-L-series for lifting, 6 models
Max WLL
500 - 3000 kg



LV-series, 6 models
Max WLL
250 - 2000 kg



RRI-series, 4 models
Max WLL
500 - 2000 kg



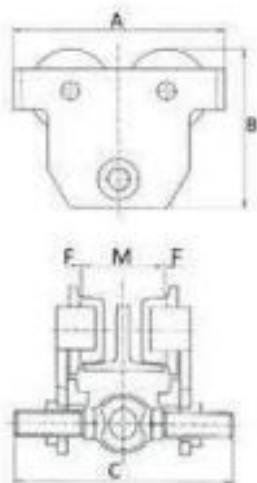
OAW offshore-series, 14 models
Max WLL
1955 - 14980 kg

Ask for more information on the products from our sales! Each product tailored individually to meet the needs of the client.

PUSH TROLLEYS



- suitable for IPE and T beams
- sizes 500 - 5000 kg
- the hoist/lifter is attached directly to the trolley eye with a hook or a shackle
- the wheels are equipped with duration lubricated ball bearings
- break supports
- paint coated
- EN 13157

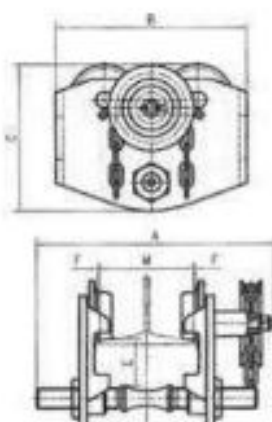


WLL kg	I/T-beam width mm	A mm	B mm	C mm	Min. radius of circle m	Weight kg	Product code
500	50-220	225	176,5	292	0,9	5,20	SIVA05ABT
1000	50-220	252	188	300	1,0	9,00	SIVA10ABT
1000	160-305	252	188	385	1,0	12,00	SIVA10LABT
2000	66-220	300	226	310	1,2	14,00	SIVA20ABT
2000	160-305	300	226	395	1,2	19,00	SIVA20LABT
3000	74-220	360	290	324	1,3	24,00	SIVA30ABT
3000	160-305	360	290	409	1,3	35,00	SIVA30LABT
5000	90-220	492	313	329	1,4	40,00	SIVA50ABT
5000	160-305	492	313	414	1,4	47,00	SIVA50LABT

CHAIN TROLLEYS



- the trolley moves on the beam by pulling the chain
- the standard length of a hand chain is appr. 2 m, allowing for mounting the trolley at about 3 m
- also available with a longer chain
- suitable for I and T beams
- sizes 1000 - 30000 kg
- the hoist/lifter is attached directly to the trolley eye with a hook or a shackle
- all trolleys are tested with a load that is 1.5 times the WLL
- the wheels are equipped with duration lubricated ball bearings
- break supports are included
- paint coated
- EN 13157

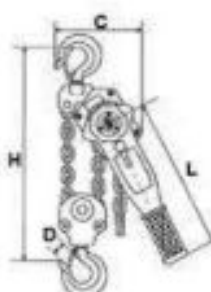
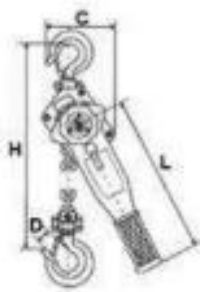
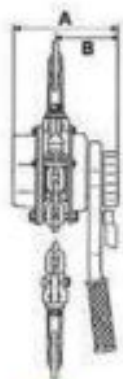


WLL kg	IPE beam width M mm	A mm	B mm	C mm	E mm	Min. radius of circle m	Weight kg	Product code
1000	50-220	302,5	252	188	60	1,0	12,40	SIVA10ABTKS
2000	74-220	319,5	300	226	70	1,2	17,20	SIVA20ABTKS
3000	90-220	354	360	290	80	1,3	27,30	SIVA30ABTKS
5000	114-220	365	400	313	-	1,4	40,40	SIVA50ABTKS
10000	124-305	510	424	396	-	2,0	84,00	SIVA100LABT
20000	136-305	604	555	498	-	3,5	190,0	SIVA200LABT
30000	175-305	674	710	608	-	6,0	257,0	SIVA300LABT

LEVER HOIST

- high quality hoists for professional use
- sizes 250 - 9000 kg
- standard lifting height 3m
- other lifting heights also available with short delivery times
- can also be used as a pulling hoist
- paint coated

WLL kg	No. of chains	Weight with 3m lift kg	Chain mm	A mm	B mm	C mm	D mm	H min mm	L mm	Product code
250	1	2,7	4x12	116	75	75	25	215	157	VTA250SU
500	1	4,3	5x15	135	83,5	90	32	255	180	VTAS00SU
800	1	8,3	6x18	148	90	136	40	320	250	VTA800
1600	1	12,4	8x24	172	98	160	52	380	300	VTA1600
3200	1	21,1	10x30	200	115	180	60	480	375	VTA3200
6000	2	37,5	10x30	200	115	235	68	600	375	VTA6000S
9000	3	54,9	10x30	200	115	320	85	740	375	VTA9000S



Lubrication of the hoist chains is important. Look for the lubrication oil on page 3-2.



250 - 500 kg



800 kg



1600 kg



3200 kg



6000 kg



9000 kg

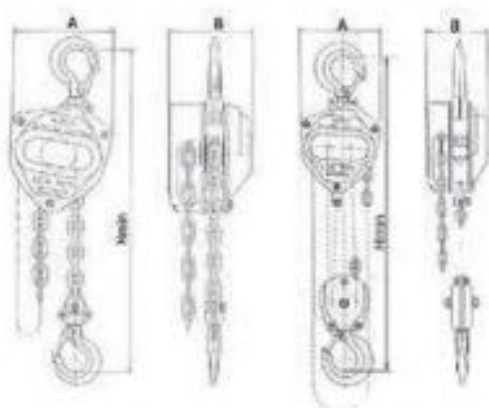
HAND CHAIN HOISTS



- made for heavy duty professional use
- sizes 250 - 20000 kg
- the maximum workload is achieved with fairly low handpower
- hand chain lenght 1.5m with 3m lift and 4.5m with 6m lift
- paint coated

250 - 5000 KG

WLL kg	No. of chains	Weight with 3m lift kg	Chain mm	A mm	B mm	H min mm	Product code	
							With 3 m lift	With 6 m lift
250	1	4	4x12	100	110	230	KTABT250	KTABT2506M
500	1	10	5x15	146	138	350	KTABT500	KTABT5006M
1000	1	12	6x18	161	154	383	KTABT1000	KTABT10006M
2000	1	24	8x24	202	177	485	KTABT2000	KTABT20006M
3000	2	32	7,1x21	230	176	565	KTABT3000	KTABT30006M
5000	2	46	10x30	250	189	688	KTABT5000	KTABT50006M



250 - 1000 kg

2000 - 5000 kg

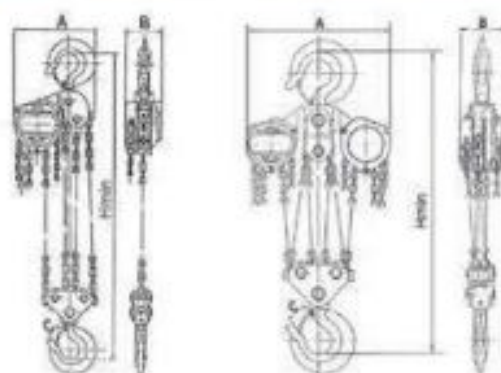


Lubrication of the hoist chains is important. Look for the lubrication oil on page 3-2.



10000 and 20000 KG

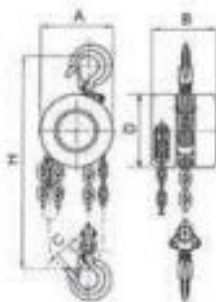
WLL kg	No. of chains	Weight kg	Lifting height m	Chain mm	A mm	B mm	C mm	H min mm	Product code
10000	4	68	6 tai 8	10x30	356	162	64	700	KTA10000
20000	8	245	8	10x30	580	189	82	1000	KTA20000



10 000 kg

20 000 kg

KTA CHAIN BLOCK



- affordable hand chain hoist
- sizes 1000 - 5000 kg
- standard lifting height 2.5-3 m, other heights available for individual order
- the maximum workload is achieved with fairly low handpower

WLL kg	No. of chains	Lifting height m	Chain mm	A mm	B mm	C mm	D mm	Weight kg	Product code
1000	1	3,0	6x18	142	126	28	142	10	KTA1000
2000	2	3,0	6x18	142	126	34	142	15	KTA2000
3000	2	3,0	8x24	178	142	38	178	24	KTA3000
5000	2	3,0	10x30	210	165	48	210	36	KTA5000

NGK WIRE ROPE PULLERS



- high quality pulling hoist for professional use
- hoists are equipped with friction brake, as chain hoists
- maximum pulling capacity 1500 kg (with a double wire rope/strap)
- springs and pins from stainless steel
- not to be used as a lifting device

Maximum load when pulling with single hoist kg	Maximum load when pulling with double hoist/ strap kg	Weight kg	Wire rope diam. mm	Wire rope/ strap Length (with single/ double hoist) m	Min. setup height mm	Product code
750	1500	4,6	5,0	1,4/2,8	460	NAG1500C

POWER PULLER WITH WIRE ROPE



- inexpensive, but strong pulling hoist with wire rope
- maximum pulling capacity 1000 kg
- not to be used as a lifting device

Maximum load when pulling kg	Weight kg	Wire rope mm	Wire rope Length m	Min. setup height mm	Product code
1000	3,6	5	1,75	550	RVT900

POWER PULLER WITH STRAP



RHT900



RHT1800

- inexpensive pulling hoist with strap
- strap width 25mm
- maximum workload 900 or 1800 kg
- not to be used as a lifting device

Maximum load when pulling kg	Weight kg	Strap Length m	Min. setup height mm	Product code
900	3,5	3,6	700	RHT900
900	3,5	7,6	700	RHT900P
1800	3,8	1,8	700	RHT1800

WIRE ROPE HOIST (ALUMINIUM BODY)



- high quality pulling/lifting hoist
- the hoist does not have a wiredrum, as the wire goes through the hoist
- lifting and pulling speed appr. 3 m/min
- housing body material is powder coated cast aluminium
- 20 m wire rope with latch hook as standard
- other wire rope lengths also available
- all hoists are tested with a load that is 1.25 times the WLL
- the maximum workload is achieved with fairly low handpower
- EN 13157

Maximum load when lifting kg	Maximum load when pulling kg	Weight lever/wire rope and lever kg	Wire rope mm	Lever Length mm	Product code
800	1200	6,5/14,5	8,3	800	LOABT800
1600	2400	12,7/27,3	11,0	1200	LOABT1600
3200	4000	22,1/48,6	16,0	1200	LOABT3200
5400	8000	28,7/110	20,0	1120	LOABT5400

WIRE ROPE HOIST (STEEL BODY)



- high quality pulling/lifting hoist
- the hoist does not have a wiredrum, as the wire goes through the hoist
- lifting and pulling speed appr. 3 m/min
- housing body material is powder coated steel
- 20 m wire rope with latch hook as standard
- other wire rope lengths also available
- all hoists are tested with a load that is 1.25 times the WLL
- the highest workload is achieved with fairly low handpower

Maximum load when lifting kg	Maximum load when pulling kg	Weight lever/wire rope and lever kg	Wire rope mm	Lever Length mm	Product code
800	1250	8,7/17,1	8,3	645	LOST800ABT
3200	5000	28,7/56,0	16,0	1055	LOST3200ABT

REPLACE WIRES FOR ABT WIRE ROPE HOISTS



WLL kg	Length m	Wire rope mm	Product code
800	20	8,3	LO80VAI20
800	30	8,3	LO80VAI30
800	40	8,3	LO80VAI40
1600	20	11,0	LO16VAI20
1600	30	11,0	LO16VAI30
1600	40	11,0	LO16VAI40
3200	20	16,0	LO32VAI20
3200	30	16,0	LO32VAI30
3200	40	16,0	LO32VAI40
3200	50	16,0	LO32VAI50

ELECTRIC WIRE HOISTS FOR LIFTING AND PULLING 230V / 50Hz

- light and easy-to-use electric wire hoist for lifting and pulling
- two models 250 ja 450 kg
- remote control
- equipped with a hook with latch and an overload detector



WLL	Voltage	Engine	Wire rope Length	Weight	Product code
kg		kW	m	kg	
250	230V	1,2	8,0	7,0	VANOS250
450	230V	1,2	4,6	7,0	VANOS450



Wire hoists are packed to a cardboard box

ELECTRIC WIRE HOIST 230V 50Hz



- LIGHT WEIGHT and efficient wire hoist
- equipped with upper- and lower limit switches
- hook operates 360°
- available with longer cable
- protection class IP54

WLL	Lifting height	Wire rope	Speed	ED %	Engine power	Product code
kg	m	mm	m/min		kW	
230	30	5	19	35	1,3	VAINOSH230
300	60	5	12	35	1,3	VAINOSH300
500	30	7	12	35	1,8	VAINOSH500

MEASUREMENTS

Product code	Control cable Length	Power cable Length	Body width	Body depth	Body+hook approx. height	Weight
	m	m	mm	mm	mm	kg
VAINOSH230	7	5	240	180	660	21,5
VAINOSH300	7	5	240	210	670	28,0
VAINOSH500	7	5	240	210	670	28,0

10 m continuation part of the control cable
 Product code: VAINOSHKAAP

4. Lifting clamps

Terrier lifting clamps

Other lifting clamps

Permanent magnetic lifters

Wire rope / cable pulling clamps



TERRIER CLAMPS FOR VERTICAL LIFTING

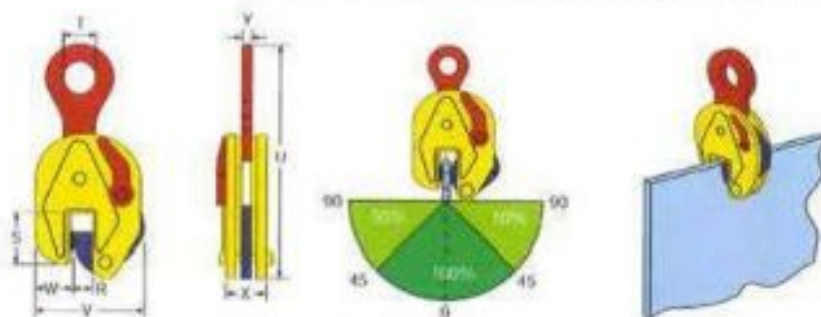
- for vertical lifting of steel plates
- paint coated
- safety factor 4: 1
- available also in other sizes
- Note! Lifting pieces weight must be minimum of 10% of maximum WLL (250 kg terrier has no minimum)
- special materials have dedicated terrier clamps, for more information contact our sales!

WLL kg	Grip area mm	S mm	T mm	U mm	V mm	W mm	X mm	Y mm	Weight kg	Product code
250	0 - 13	53	30	196	109	30	37	10	1,9	LTTJP025
750	0 - 13	47	30	205	100	35	37	10	1,7	LTTS075
1000	0 - 25	55	45	265	142	38	47	15	3,5	LTTSE1
2000	0 - 35	80	65	335	185	55	56	17	7,0	LTTSE2
3000	0 - 35	80	65	335	185	55	56	17	7,0	LTTSE3
4000	0 - 45	85	70	430	230	60	77	20	16,0	LTTSE45
6000	0 - 32	114	75	490	255	78	78	20	21,0	*LTTSE6
7500	0 - 55	112	75	530	267	70	86	20	26,0	*LTTSE75
9000	0 - 55	112	75	530	267	70	86	20	27,0	*LTTSE9
12000	0 - 52	148	85	617	270	100	94	44	37,0	*LTTSE120
15000	0 - 76	209	86	760	373	135	105	50	70,0	*LTTSE150
25000	5 - 85	248	100	880	465	145	140	66	149,0	*LTTSE250

250 kg terrier clamp has no minimum WLL due to a tightable opposing pin



*Items marked with an asterisk approx. 3 weeks delivery



TERRIER CLAMPS FOR VERTICAL LIFTING AND TURNING

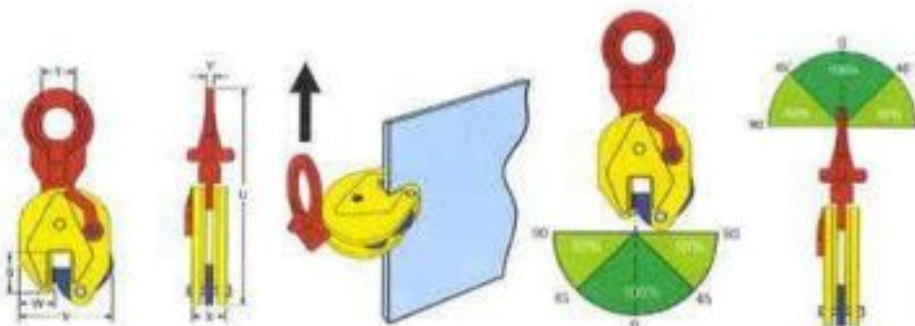
- for vertical lifting and turning of steel plates
- paint coated
- safety factor 4: 1
- available also in other sizes
- Note! Lifting pieces weight must be minimum of 10% of maximum WLL (250 kg terrier has no minimum)
- special materials have dedicated terrier clamps, for more information contact our sales!

WLL kg	Grip area mm	S mm	T mm	U mm	V mm	W mm	X mm	Y mm	Weight kg	Product code
250	0 - 13	53	30	196	109	30	37	10	2,0	LTTJPU025
750	0 - 13	47	30	230	100	25	37	10	1,8	LTTSU075
1000	0 - 25	55	48	295	142	38	47	14	3,8	LTTSEU1
2000	0 - 35	80	70	370	180	55	56	16	8,0	LTTSEU2
3000	0 - 35	80	70	370	185	55	56	16	8,0	LTTSEU3
4500	0 - 45	85	70	430	230	60	77	20	16,5	LTTSEU45
7500	0 - 55	112	78	565	267	70	86	32	28,0	*LTTSEU75

250 kg terrier clamp has no minimum WLL due to a tightable opposing pin



*Items marked with an asterisk approx. 3 weeks delivery



TERRIER CLAMPS FOR VERTICAL LIFTING AND TURNING OF PAIRS OF PLATES

- for vertical lifting and turning of steel plates and horizontal lifting of pairs of plates
- paint coated
- safety factor 4: 1
- available also in other sizes
- Note! Lifting pieces weight must be minimum of 10% of maximum WLL!
- special materials have dedicated terrier clamps, for more information contact our sales!

WLL kg	Grip area mm	S mm	T mm	U mm	V mm	W mm	X mm	Y mm	Weight kg	Product code
750	0 - 13	47	30	310	100	33	37	10	2,0	LTTSMPO75
1000	0 - 25	55	45	405	142	38	47	15	4,5	LTTSEMP1
2000	0 - 35	80	65	515	165	55	56	17	8,0	LTTSEMP2
3000	0 - 35	80	65	515	165	55	56	17	8,0	LTTSEMP3
4500	0 - 45	85	70	655	230	60	77	20	19,0	LTTSEMP45
6000	0 - 32	114	75	760	225	78	78	20	24,0	* LTTSMPO6
7500	0 - 55	112	75	800	267	70	86	20	30,5	* LTTSEMP75
9000	0 - 55	112	75	800	267	70	86	20	31,0	* LTTSMPO9
12000	0 - 52	120	148	850	295	100	94	26	46,0	* LTTSMPO120

*Items marked with an asterisk approx. 3 weeks delivery

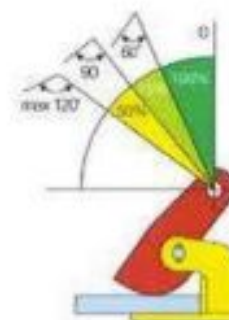
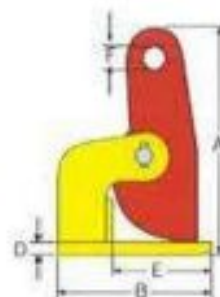
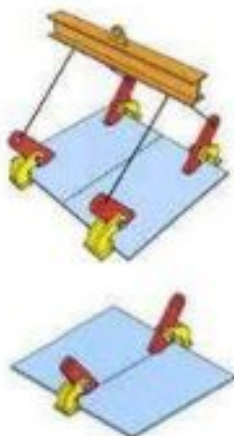


TERRIER CLAMPS FOR HORIZONTAL LIFTING

- for horizontal lifting of steel plates (only one plate at a time)
- paint coated
- safety factor 4: 1
- available also in other sizes

WLL kg/ pari	Grip area mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight kg	Product code
1000	0 - 35	188	140	65	10	100	25	15	2,6	LTFHX1
2000	0 - 60	290	180	90	15	115	30,5	16	7,0	LTFHX2
4000	0 - 60	306	220	105	25	145	30,5	20	13,0	LTFHX4
6000	0 - 60	306	220	110	25	145	30,5	20	14,0	LTFHX6
2000	0 - 100	380	180	90	15	120	30,5	15	9,2	LTFHSX2
4000	0 - 100	415	220	105	25	145	30,5	20	15,0	LTFHSX4
6000	0 - 100	415	220	120	25	145	30,5	20	16,5	LTFHSX6
8000	0 - 100	430	225	120	35	135	30,5	30	21,0	*LTFHSX8
10000	0 - 100	430	225	120	35	135	30,5	30	22,0	*LTFHSX100

*Items marked with an asterisk approx. 3 weeks delivery

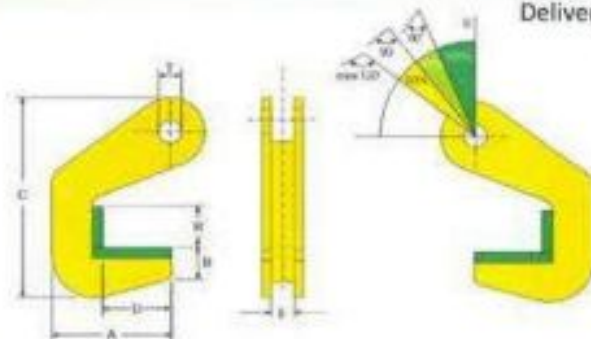
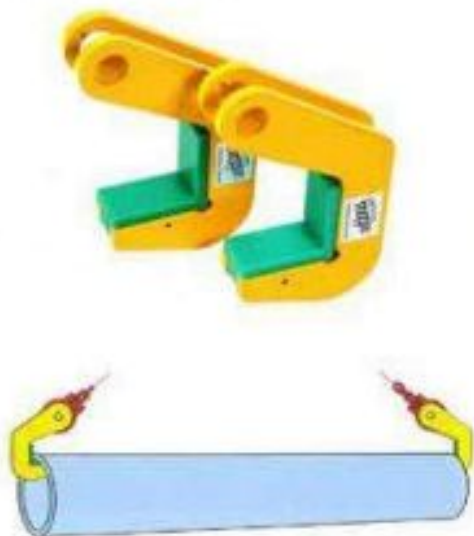


TERRIER CLAMPS FOR PIPES

- suitable for all kinds of pipes
- paint coated
- covered with polyurethane to protect the pipe heads
- safety factor 4 : 1

WLL kg/pair	Max. wall of pipe R mm	A mm	B mm	C mm	D mm	E mm	T mm	Weight kg	Product code
1500	40	120	32	185	70	41	15	1,6	PTTPH15
3000	40	120	32	185	70	41	15	1,6	PTTPH30
4000	50	120	32	195	70	41	26	3,0	PTTPH40
6000	50	120	32	195	70	41	26	3,3	PTTPH60
8000	70	120	32	215	70	45	26	3,6	PTTPH80
10000	70	120	32	215	70	85	26	5,0	PTTPH100

Delivery approx. 3 weeks.



TERRIER CLAMPS FOR VERTICAL LIFTING AND TURNING OF STAINLESS STEEL PLATES

- for stainless steel plates and e.g. marble plates
- leaves no marks on the lifted plate
- automatic locking to safety position, when clamp is lowered to the side of the plate
- paint coated
- safety factor 4 : 1
- Note! Lifting pieces weight must be minimum of 10% of maximum WLL!

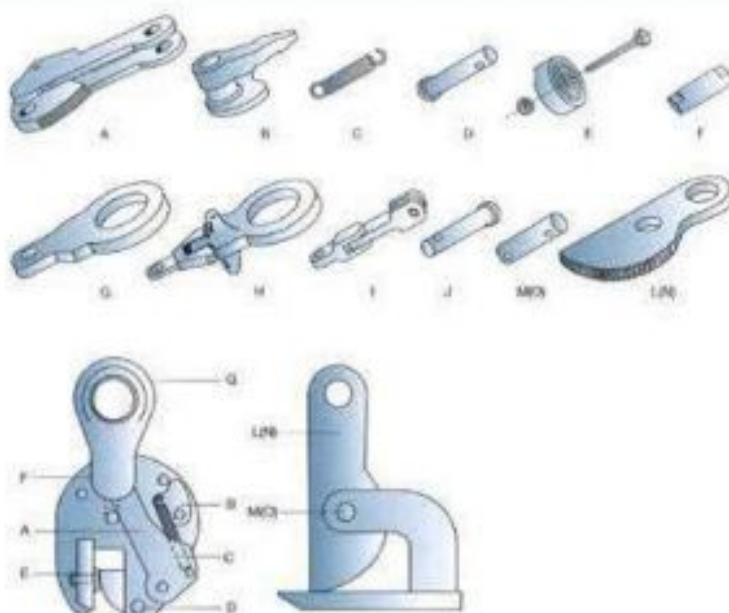


WLL kg	Grip area mm	Weight kg	Product code
500	0 - 20	5,3	LTNMK05
500	17 - 37	5,5	LTNMKE05
1000	0 - 30	6,5	LTNMK1
1500	0 - 40	7,2	LTNMK15
2000	0 - 50	14,0	LTNMK2
3000	0 - 60	15,0	LTNMK3

Delivery approx. 3 weeks.

TERRIES SPARE PARTS

- A Moving jaw
- B Locking lever
- C Spring
- D Jaw pin
- E Counter pin
- F Lifting eye pin
- G Lifting eye TS, STS, MPX
- H Lifting eye TSU, STEU
- I Pivot arm TSMP, STSMPX
- J Pin for pivot arm, type MP
- L Jaw FHX
- M Jaw pin FHX
- N Jaw FHSX
- O Jaw pin FHSX



CLAMPS FOR VERTICAL LIFTING AND TURNING

- for vertical lifting and turning of steel plates (8,000kg model only for vertical lifting)
- paint coated
- safety factor 4 : 1
- Note! Lifting pieces weight must be minimum of 10% of maximum WLL!
- special materials have dedicated clamps

WLL kg	Grip area D mm	A mm	B mm	C mm	E mm	F mm	G mm	H mm	Weight kg	Product code
500	0 - 15	30	43	34,5	103	10	212	36	2,0	LTABT05
1000	0 - 20	48	63	51	138	12	294	50	4,8	LTABT10
2000	0 - 25	68	76	59	164	16	370	52	6,5	LTABT20
3000	0 - 30	74	85	56	196	20	418	78	15,0	LTABT30
5000	0 - 50	80	90	65	240	22	450	88	16,8	LTABT45
8000	0 - 45	80	175	80	345	25	568	100	33,0	LTABT80



SPARE PARTS



- | | | |
|--|--|---|
| 1. Lifting eye
-LTABT05VO1 (500 kg)
-LTABT10VO1 (1000 kg)
-LTABT20VO1 (2000 kg)
-LTABT30VO1 (3000 kg)
-LTABT45VO1 (5000 kg) | 4. Jaw + pin
-LTABT05VO4 (500 kg)
-LTABT10VO4 (1000 kg)
-LTABT20VO4 (2000 kg)
-LTABT30VO4 (3000 kg)
-LTABT45VO4 (5000 kg) | 7. Spring
-LTABT05VO7 (500 kg)
-LTABT10VO7 (1000 kg)
-LTABT20VO7 (2000 kg)
-LTABT30VO7 (3000 kg)
-LTABT45VO7 (5000 kg) |
| 2. Joint + axle + pin
-LTABT05VO2 (500 kg)
-LTABT10VO2 (1000 kg)
-LTABT20VO2 (2000 kg)
-LTABT30VO2 (3000 kg)
-LTABT45VO2 (5000 kg) | 5. Jaw + axle
-LTABT05VO5 (500 kg)
-LTABT10VO5 (1000 kg)
-LTABT20VO5 (2000 kg)
-LTABT30VO5 (3000 kg)
-LTABT45VO5 (5000 kg) | 8. Locking lever
-LTABT05VO8 (500 kg)
-LTABT10VO8 (1000 kg)
-LTABT20VO8 (2000 kg)
-LTABT30VO8 (3000 kg)
-LTABT45VO8 (5000 kg) |
| 3. Counter pin + bolt
-LTABT05VO3 (500 kg)
-LTABT10VO3 (1000 kg)
-LTABT20VO3 (2000 kg)
-LTABT30VO3 (3000 kg)
-LTABT45VO3 (5000 kg) | 6. Jaw pin
-LTABT05VO6 (500 kg)
-LTABT10VO6 (1000 kg)
-LTABT20VO6 (2000 kg)
-LTABT30VO6 (3000 kg)
-LTABT45VO6 (5000 kg) | |

CLAMPS FOR VERTICAL LIFTING

- for vertical lifting of steel plates
- locking by pulling the ring
- paint coated
- safety factor 4 : 1
- Note! Lifting pieces weight must be minimum of 10% of maximum WLL!
- special materials have dedicated clamps

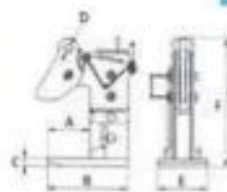
WLL kg	Grip area mm	A mm	B mm	Q mm	D mm	Weight kg	Product code
1000	0 - 20	320	140	60	50	4,4	LTABT10RE
2000	0 - 25	320	150	60	50	4,7	LTABT20RE
3000	0 - 30	340	180	70	40	10,7	LTABT30RE
5000	0 - 50	450	225	85	40	16,6	LTABT50RE



CLAMPS FOR HORIZONTAL LIFTING OF PAIRS OF PLATES

- for horizontal lifting of steel plate
- adjustable grip area
- paint coated
- safety factor 4 : 1

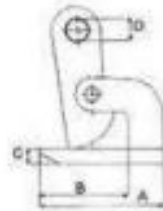
WLL kg / pair	Grip area mm	A mm	B mm	C mm	D mm	E mm	F mm	Weight kg	Product code
8000	40 - 240	180	300	60	40	200	520	40	LTABT60N
15000	40 - 240	180	300	75	50	235	530	60	LTABT150N



CLAMPS FOR VERTICAL LIFTING IN PAIRS

- for horizontal lifting of steel plates (only one plate at a time)
- paint coated
- safety factor 4 : 1

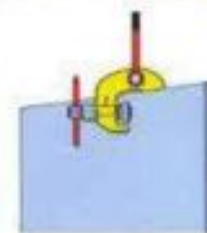
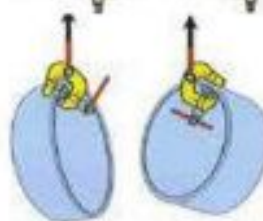
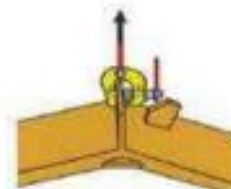
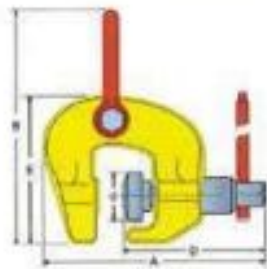
WLL /pair kg	Grip area mm	A mm	B mm	C mm	D mm	Weight kg	Product code
1500	0 - 50	127	90	15	30	4,3	LTVABT1500
2000	0 - 100	178	114	15	30	5,5	LTVABT2000
3000	0 - 50	220	120	30	36	7,7	LTVABT3000



SCREW CLAMPS FOR LIFTING IN DIFFERENT POSITIONS

- suitable for steel plates and items of various shape
- paint coated
- safety factor 4 : 1

WLL kg	Grip area mm	A mm	B mm	D mm	d mm	E mm	F mm	G mm	Weight kg	Product code
500	0 - 28	127	116	89	26	75	30	17	0,8	LTTSCC05
750	0 - 22	167	201	120	42	125	46	38	3,0	LTTSCC075
1000	50-100	258	273	155	42	190	46	45	6,0	LTTSCC10WD
1500	0 - 32	187	226	135	42	142	46	45	4,0	LTTSCC15
3000	0 - 50	223	268	165	49	165	55	50	7,0	LTTSCC3
6000	0 - 75	285	364	215	63	210	70	80	18,0	LTTSCC6



ROUND PIPE CLAMPS

- suitable for pipes, bars, etc. that are made of different kinds of materials
- for short pieces individually, for long pieces in pairs with a lifting beam
- paint coated
- safety factor 4 : 1

WLL	Grip area diameter	Weight	Product code
kg	mm	kg	
1000	50 - 100	5,0	TARPA10
2000	80 - 130	16,0	TARPA20
3000	120 - 220	32,0	TARPA30
5000	200 - 320	104,0	TARPA50
1000	50 - 150	7,0	TARP01
3000	80 - 300	49,0	TARP30
4000	200 - 600	200,0	TARP40



TARPA



TARP

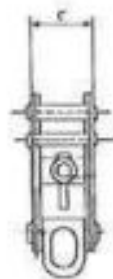
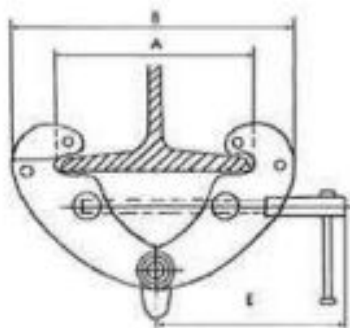
Larger diameters also available for round grab clamps.

BEAM CLAMPS



- the clamp can be used, for example, to attach a hoist to an I or T beam
- the clamp can also be used for lifting
- paint coated
- safety factor 4 : 1

WLL	A	B	C	E	Weight	Product code
kg	mm	mm	mm	mm	kg	
1000	75-230	180-375	85	220	4,0	TARPAL10
2000	75-230	180-375	93	220	5,0	TARPAL20
3000	80-320	220-498	120	271	9,5	TARPAL30
5000	90-355	240-520	111	258	11,0	TARPAL50
10000	80-350	250-520	120	280	16,0	TARPAL100



CONCRETE PIPE CLAMPS

- 2- or 3-leg
- two models:
 - standard models I and P for pipes without rubber packing
 - model K for pipes with rubber packing, with high jaws
- paint coated
- chain leg length 1.5m
- safety factor 4 : 1

WLL kg	Grip area mm	L size mm	Model	Number of legs	Suitable	Weight approx. kg	Product code
2000	60-120	245	norm. jaw (P)	2-leg	normal ring	25	KRT2P
2000	80-170	235	broad jaw (I)	2-leg	normal ring	35	KRT2I
2000	60-120	345	high jaw (K)	2-leg	pipe with rubber packing	35	KRT2K
3000	60-120	245	norm. jaw (P)	3-leg	normal ring	37	KRT3P
3000	80-170	235	broad jaw (I)	3-leg	normal ring	46	KRT3I
3000	60-120	345	high jaw (K)	3-leg	pipe with rubber packing	45	KRT3K

Other sizes available for individual order!



JAW MODELS



Normal
P-Model, 60-120mm
Product code: KRTLS



Broad
I-Model, 80-170mm
Product code: KRTLL



High
K-Model, 60-120mm
Product code: KRTLK

EK-PIPE LIFTER ALSO AVAILABLE

Used for e.g. lifting concrete EK-pipes. Seven different sizes between 500 - 8000 kg and lengths 1 - 3 m. Ask more from our Sales.



CONCRETE PIPE CLAMP IN A CARRY-ON-BAG

WLL kg	Grip area mm	L size mm	Model	Number of legs	Suitable	Weight approx. kg	Product code
2000	60-120	245	norm. jaw (P)	2-leg	normal ring	25	KRT2KVAL



CABLE REEL CLAMPS

without swivel



with swivel



- for lifting and handling cable reels
- by using the reel hole, a clamp equipped with a ball bearing swivel can also be used for pulling a cable
- paint coated
- safety factor 4 : 1

WLL Kg	Reel hole diameter min / max mm	Type	A mm	Weight kg	Product code
1500	40 / 90	without swivel	190	1,5	VITAR15
1500	40 / 90	with swivel	190	2,0	VITAR15L
3000	50 / 130	without swivel	225	3,6	VITAR3
3000	50 / 130	with swivel	225	4,7	VITAR3L

CABLE REEL SCISSOR CLAMPS



clamp in picture
without swivel

- for lifting and handling cable reels
- by using the reel hole, a clamp equipped with a ball bearing swivel can also be used for pulling a cable
- paint coated
- safety factor 4 : 1

WLL kg	Reel hole diameter min / max mm	Type	Weight kg	Product code
3000	50 / 130	without swivel	9,0	SATAR3
3000	50 / 130	with swivel	10,0	SATAR3L

CLAMP FOR PULLING PALLETES

- for pulling pallets from, for example, a container
- paint coated
- **not for lifting!**

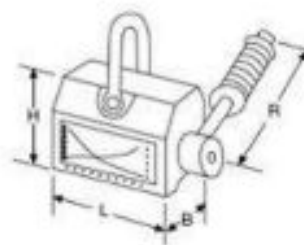
WLL kg	Grip area mm	Weight approx. kg	Product code
1000	30 - 100	8	TARLAVA1



MAGNETIC LIFTING CLAMPS 100 - 2000 KG

- durable magnet clamps for lifting plates, pipes and round steel bars
- small and easy to use
- five sizes
- due to the joint lifting eye, improved durability and stability of the item to be lifted
- rubber coated handle is comfortable to use
- operating temperature - 40 °C - (+) 80 °C
- safety factor of 100-300kg lifters 3,5 : 1 and of 600-2000kg lifters 3 : 1
- EN 13155

WLL with plates kg	WLL with round objects kg	B mm	H mm	L mm	R mm	Weight kg	Product code
100	30	62	67	92	126	3,0	MAGPML100
300	90	92	88	158	150	10,0	MAGPML300
600	180	122	113	228	186	24,0	MAGPML600
1000	300	176	158	258	282	50,0	MAGPML1000
2000	600	234	206	378	374	85,0	MAGPML2000



PERMANENT MAGNETIC LIFTER WITH HANDLE



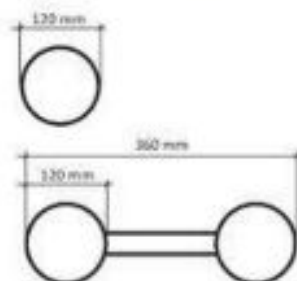
- handy permanent magnet clamp
- there is a release pin in the centre of the clamp, which is used by pressing the handle to the other direction
- perfect for carrying and transferring steel plates and pieces

WLL kg	Width mm	Depth mm	Hight mm	Weight kg	Product code
50	100	125	270	2,0	MAG50

SUCTION LIFTERS

- two models
- the grip is dependend on the cleanliness and smoothness of the surface puhtaudesta ja sileydestä
- aluminium body
- suitable for glass, aluminium, plastic, acryl etc. plates

WLL kg	Type	Product code
40	1 suction	IMUTAR140
80	2 suction	IMUTAR280



WIRE ROPE / CABLE CLAMPS



- for pulling steel ropes and cables
- models - L, LY and P are suited for steel ropes, coated wires, carrying cables and uncoated copper cables
- yellow chromized

Breaking load kg	Grip area mm	Gripping jaw Length mm	Weight kg	Product code
750	1 - 10	20	0,4	TARVAIP
1500	3 - 15	35	0,7	TARVAILY
3000	4 - 22	60	1,6	TARVAIL

Larger sizes available for individual order!

WIRE ROPE- / CABLE PULLING SOCKS

- for pulling steel wire ropes and cables
- galvanized
- with one pulling eye

Breaking load kg	Grip area mm	Length mm	Weight kg	Product code
1200	7 - 12	415	0,12	VESUK12
1600	13 - 18	415	0,17	VESUK18
4400	19 - 35	810	0,37	VESUK35
8000	25 - 50	960	0,90	VESUK50



WIRE ROPE / CABLE SWIVELS



- prevent the cable or steel rope from twisting during pulling
- extra small
- with needle bearings

Breaking load kg	A diam. mm	B Length mm	Weight kg	Product code
2000	24	90	0,25	LEIKHGS1
4000	28	110	0,40	LEIKHGS2

CHINGI
EXPERT
LOVES SAFETY



5. Lifting Beams, Lift Scales, Construction Accessories, Forklift Accessories

Lifting Beams

Beam Lifts

Lifting scales

Lifting Equipment for Construction Industry

Forklift Accessories

Snow Chains



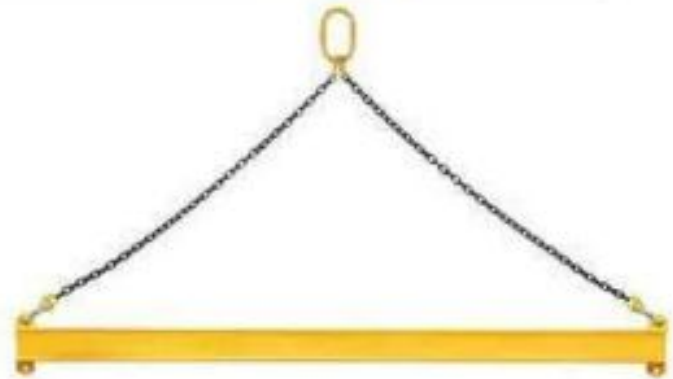
LIFTING BEAMS

- available in multiple different types according to customers wishes
- as standard lifting beams A and B
- can be equipped with shackle and different types of hooks
- powder coated surface, standard colour yellow
- all beams for 3-5 weeks delivery time

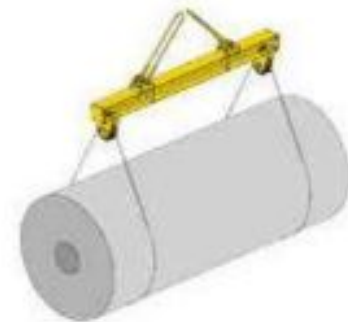
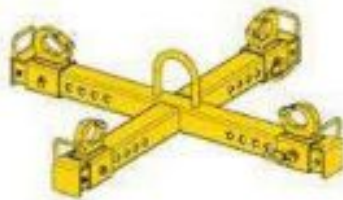
MODEL A



MODEL B



SPECIAL MAKE LIFTING BEAMS



LIFTING FRAMES, ALUMINIUM

- Collapsible aluminium lifting frame
- can be stored in small spaces when collapsed
- easy and quick to assemble
- perfect for, for example, lifting boats
- the beam is also available without hooks and roundsling

Size m	WLL kg	Lifting angle	Height m	Sling Length m	Weight kg	Product code
3,0 x 3,0	7000	110	1,5	2,5	42	NOKE733AL
3,0 x 2,4	7000	98	1,7	2,5	38	NOKE7324AL
2,4 x 2,4	7000	82	2,0	2,5	35	NOKE72424AL

1-2 weeks delivery



FOLDABLE BEAM LIFTS

- two sizes, capacities 1000 and 2000kg
- lifting bar can be adjusted longitudinally
- chrome coated cylinders
- equipped with overload protection
- both are foldable, so that they can be transported, for example, in a van
- paint coated

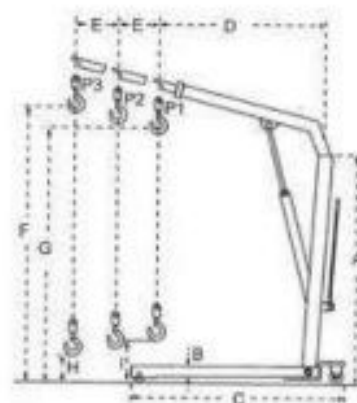
Max loads			Measurements								Weight	Product code
kg			mm									
P1	P2	P3	A	B	C	D	E	F	G	I	kg	
1000	800	700	1675	90	1630	1230	150	2445	2330	245	115	PUNOS1000PROKT
2000	1700	1500	1690	205	1900	1290	150	2705	2505	230	165	PUNOS2000PROKT



Lowering clutch equipped with function that automatically stops lowering if user lifts ones hand off the lowering clutch.



Lifting bar can be adjusted longitudinally

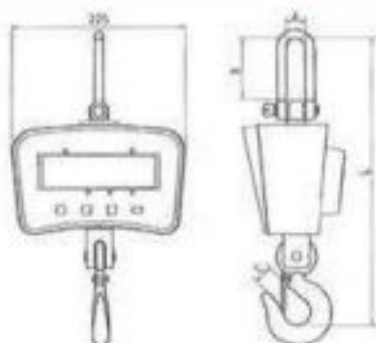


SMALL CRANE SCALES



- in-built rechargeable batteries with an operation time of appr. 100 hours at one charge
- equipped with wireless remote control with reset, hold, tare, unit change and switch off
- clear LCD screen
- precision class OIML III and protection class IP54
- delivery does not contain an individual calibration certificate

Max load kg	Display accuracy kg	A mm	B mm	C mm	L mm	Weight approx. kg	Product code
500	0,20	25	75	20	335	4,2	KV05ABT
1000	0,50	25	75	20	335	4,2	KV1ABT

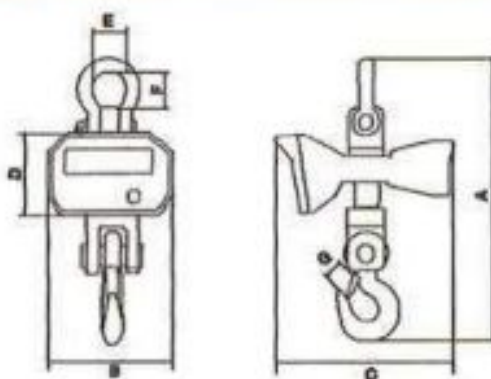


CRANE SCALES

- also available for bigger loads
- battery charger is included
- operating time at one charge is appr. 100 hours
- equipped with wireless remote control with reset, hold, tare, unit change and switch off
- precision class OIML III and protection class IP54
- delivery does not contain an individual calibration certificate



Max load kg	Display accuracy kg	A mm	B mm	C mm	D mm	E mm	F mm	G mm	Weight approx. kg	Product code
3000	1,00	550	230	340	150	60	80	40	17,0	KV3ABT
5000	2,00	690	230	340	150	100	120	50	25,0	KV5ABT
10000	5,00	820	230	340	150	100	120	55	34,0	KV10ABT
20000	10,00	1120	230	360	155	140	220	90	67,0	KV20ABT



DIGITAL LOAD INDICATOR



- can be used normally as a crane scale or for example to measure pulling power
- LCD screen
- uses AA batteries, operating time at one charge is over 200 h
- functions: reset, taring, hold, automatic power off, battery life display, overload warning, switching measurement unit
- can be equipped with shackles, hook etc.
- delivery does not contain an individual calibration certificate
- safety factor 4 : 1

Max load kg	Accuracy kg	Material	Width mm	Height mm	Depth mm	Hole diam. mm	Weight kg	Product code
3000	1,00	Aluminium	90	230	30	25	1,7	KV3KI
5000	2,00	Stainless steel	90	230	30	32	3,4	KV5KI
10000	5,00	Stainless steel	90	280	48	32	6,7	KV10KI
20000	10,00	Steel alloy	90	350	60	50	9,0	KV20KI

Can be equipped with shackles and different types of hooks.
(Ordered separately)



LOAD INDICATOR

NEW



- affordable load indicator
- to be used as a hook scale or to indicate pulling strength, for example
- lighted LCD-display
- operationable with three AA-batteries for approx. 150 h
- can be equipped with shackle, hook etc.
- delivery does not include certificate for individual calibration
- IP31, operationable outdoors only for short periods

Max load kg	Accuracy kg	Width mm	Height mm	Depth mm	A mm	Weight kg	Product code
1000	1,00	105	320	75	28	2,1	KV1
2000	1,00	120	390	80	36	3,2	KV2



Packed in store package

CRANE FORKS WITH AUTOMATIC ADJUSTMENT

- equipped with automatic adjustment, keeping the load in balance
- surface powder coated
- safety factor 4 : 1

WLL kg	Fork-type	A mm	B mm	C mm	D mm	Weight approx. kg	Product code
1500	foldable / adjustable	1300	1000	340-1600	30	130	NOH15001B
1500	foldable / adjustable	1300	1000	340-1600	30	130	NOH15001C
1500	adjustable forged	1300-2000	1000	350-900	40	165	NOH1500S
2000	adjustable forged	1300-2000	1000	400-900	40	220	NOH2000S
3000	adjustable forged	1300-2000	1000	450-900	50	280	NOH3000S

NOTE!

- Lifting from the long side of the pallet!
- Dimension tolerance approx. \pm 20 mm



NOH15001B

The width of the forks can be adjusted with the crank, also when folded for transportation
EN 13155



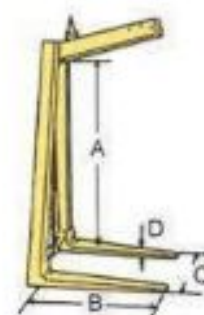
NOH15001C

Articulated crane forks hold the optimal position. The width of the forks can be adjusted with the crank, also when folded for transportation
EN 13155



NOH1500S / NOH2000S / NOH3000S

The width of the crane forks can be adjusted

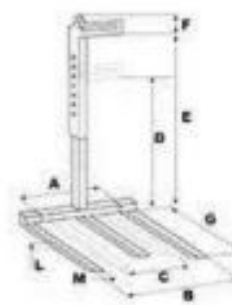


CRANE FORKS WITH MANUAL ADJUSTMENT

- two models, powder coated and hot dip galvanized
- The width and length of the forks can be adjusted
- manual balancing of the load
- safety factor 4 : 1
- EN 13155

WLL kg	Model / Forktype	A mm	B mm	C mm	D mm	E mm	F mm	G mm	L mm	M mm	Weight approx. kg	Product code
1500	adjustable forged fork	1000	1000	300	1000	1600	450	1000	30	90	140	NOH1500SK
1500	hot dip galvanized / adjustable forged fork	1000	1000	300	1000	1600	450	1000	30	90	148	NOH1500SKKS
2000	adjustable forged fork	1000	1000	300	1200	1800	450	1000	35	100	160	NOH200SK
2000	hot dip galvanized / adjustable forged haer.	1000	1000	300	1200	1800	450	1000	35	100	165	NOH2000SKKS

2-3 weeks delivery for all products



LIFTABLE TIPPING CONTAINERS WITH AUTOMATIC TIP

NEW

- practical tool for waste handling in construction industry
- equipped with automatic tip
- two models, powder coated yellow or hot dip galvanized

Outer Measures L x S x K (container + lift point) mm	Volume l	WLL kg	Weight kg	Product code	Product code hot dip galvanized
780 x 1000 x 480+320	200	400	74	KKNOS200	KKNOS200K
880 x 1180 x 540+440	350	700	89	KKNOS350	KKNOS350K
980 x 1280 x 600+480	500	1000	105	KKNOS500	KKNOS500K
1080 x 1520 x 760+480	800	1600	160	KKNOS800	KKNOS800K
1340 x 1700 x 860+510	1500	3000	310	KKNOS1500	KKNOS1500K
1762 x 2146 x 1006+619	3000	6000	680	KKNOS3000	KKNOS3000K

2-3 weeks delivery for all products

Available also several other models, ask more from our sales department



Ask our sales for lifting chain assemblies that fit the containers. Assemblies are found at the catalogue in product group 2

Tipping containers for forklifts and pallet trucks are found at product group 5.

PERSON LIFTING CAGE

NEW



1-person



2-persons

- two models, for 1- and 2 persons
- two person cage has a removable roof and rolls on the sides of the cage allowing it to be moved
- both cages equipped with four lifting points
- powder coated surface

Model	WLL kg	Measures of the base x height mm	Weight kg	Product code
1-person	200	1000ø x K2340	188	HNKOR1
2-person	300	1400 x 1000 x K2320	300	HNKOR2

Ask our sales for the lifting chain assemblies for cages, found at the product group 2. Safety equipment and ropes for working inside the cage, found at the group 21.

2-3 weeks delivery for all products

Also available cages for more than 2 persons

LIFTING AND SAFETY CAGES

NEW



NOSKOR

- NOSKOR is a safety cage for crane forks and lifted load
- * Lifting fork defines the weight of the load to be carried
- NOSKOR2000 can be used either with lift chain assemblies or crane forks
- NOSKOR2000: max. width of the crane fork 186 and max height 96 mm
- powder coated surface

WLL kg	Weight kg	Product code
*	135	NOSKOR
2000	200	NOSKOR2000



NOSKOR2000

2-3 weeks delivery for all products

Also othe models available, ask for more

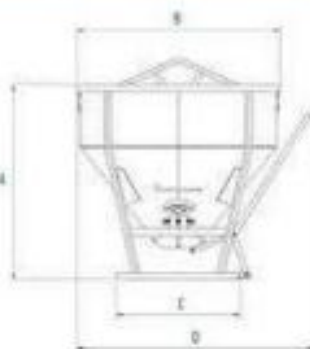


CONTAINERS FOR LIFTING CONCRETE

NEW

- two models, powder coated and hot dip galvanized
- intended for lifting and precise measuring of the concrete mass
- Dosing and measuring mechanism functions with leverage

Volume l	WLL kg	A mm	B mm	C mm	D mm	Weight kg	Product code	Product code hot dip galvanized
200	520	620	920	750	1050	50	BETNOS200	BETNOS200KS
300	780	780	920	750	1050	60	BETNOS300	BETNOS300KS
500	1300	950	1050	880	1200	82	BETNOS500	BETNOS500KS
1000	2600	1300	1250	750	1450	160	BETNOS1000	BETNOS1000KS



2-3 weeks delivery for all products

Also other sizes available, also with molding funnel and- sock. Ask more!



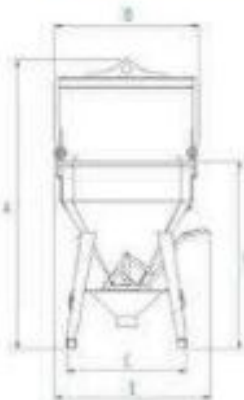
Ask our sales for lifting chain assemblies that fit the containers. Assemblies are found at the catalogue in product group 2

CONTAINER FOR LIFTING CONCRETE WITH MOULDING SOCK

NEW

- intended for lifting and precise measuring of the concrete mass
- dosing and measuring mechanism functions with leverage
- powder coated

Volume l	WLL kg	A mm	B mm	C mm	D mm	E mm	Weight kg	Product code
500	1300	2373	1081	1000	1505	1370	225	BETNOS500SUK
1000	2600	2807	1360	1200	1712	1530	340	BETNOS1000SUK
1500	3900	3048	1560	1300	1925	1625	420	BETNOS1500SUK
2500	6500	2008	1780	1780	1927	1776	546	BETNOS2500SUK



Also other sizes available, also ones with wheel function. Ask for more!

2-3 weeks delivery for all products

Ask our sales for lifting chain assemblies that fit the containers. Assemblies are found at the catalogue in product group 2

OTHER CONSTRUCTION PRODUCTS

NEW

LIFTING EQUIPMENT FOR EK-PIPE

Used in lifting concrete pipes. Seven sizes, 500 - 8000 kg and 1 - 3 m of length.



STACKABLE CONTAINER

Containers can be piled on top of each other or inside each other. Intended for storing construction production. Measures: P2500xL1100xK1200 mm, WLL 1000 kg, weight 210 kg.



CONTAINER WITH BOTTOM EMP-TYING

Practical tool for waste handling and transporting. Equipped with automatic emptying mechanism. Five sizes 800 - 3000 l (2080-7800 kg).



LIFTABLE BARREL

Practical tool for transporting and handling of small waste. Three sizes 60, 80, 100 l (156, 208, 260 kg).



ADJUSTABLE CRANE FOR FORKLIFTS

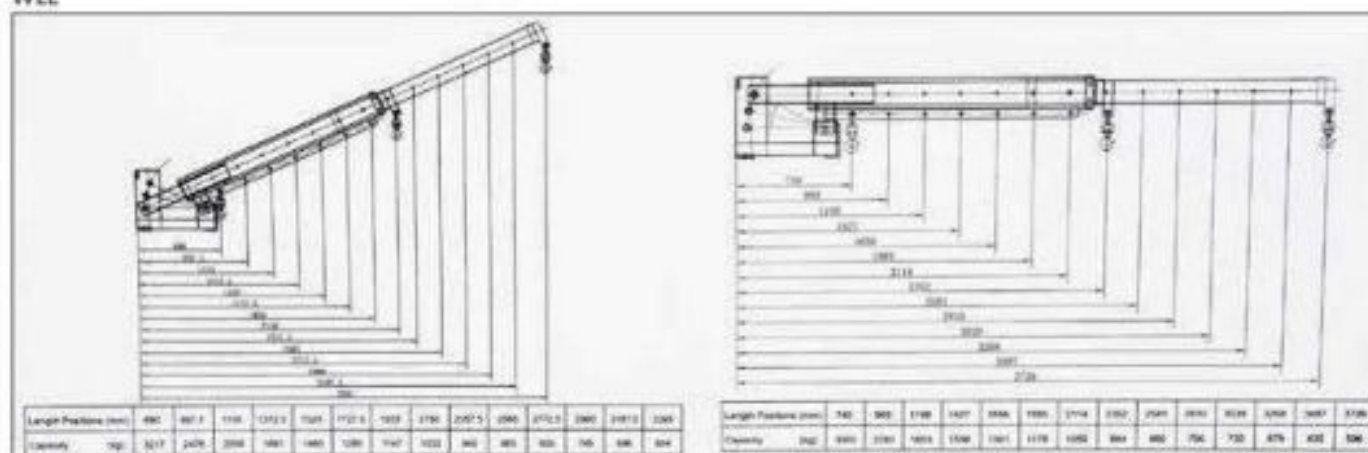


- enables the use of a forklift as a crane
- three different lift angles
- rapid attachment to forklift's forks
- the location of the hook is adjustable between 980 – 3700 mm
- two rotating latch hooks as a standard

WLL kg	The max size of forklift's forks mm	Product code
596-3000kg	80 x 160	TRUKPU3000

Note the forklift's maximum lifting capacity, when using the handler!

WLL



LIFTING ADAPTERS



TRUNP2 ja TRUNP2.52

- vakiovarusteena pyörivä salpakoukku



TRUNP15SS

The lifting adapters enable the use of a forklift as a crane. All models can be rapidly attached to the forklift's forks.

WLL kg	The max width x height of forklift's forks mm	Weight kg	Product code
1000	145 x 55	20	TRUNP2
2500	145 x 55	28	TRUNP2.52
1500	100 x 50	-	TRUNP15SS

PERSON LIFTING CAGE



- rapid attachment to forklift's forks
- size of the platform 1100 x 1000 mm
- springloaded locking of the door

WLL kg	Alustan koko mm	Weight kg	Product code
400	1100 x 1000	140	TRUHEKO



Safety equipment and ropes for lifting cage working can be found in product group 21.

The forklift's maximum lifting capacity has to be inspected prior to use!

EXTENDED FORKS



- easy and rapid way to increase the length of the forklift's forks
- extremely strong, solid structure

Length mm	The max size of forklift's forks mm	Product code (1 pc)
1800	40x100	TRUJA401001800
1800	45X120	TRUJA451201800
1800	50X150	TRUJA501501800
2000	40X100	TRUJA401002000
2000	45X120	TRUJA451202000
2000	50X150	TRUJA501502000
2200	40X100	TRUJA401002200
2200	50X125	TRUJA501252200
2200	60X150	TRUJA601502200
2400	50X125	TRUJA501252400

NOTE!

The original forks of the forklift have to be at least 60 % of the length of the extended forks!

Delivery 3-5 days.

SNOW CHAINS FOR FORKLIFTS

- due to the compactness of the chain, driving is smooth
- the chain is easy and quick to assemble
- the chains on the tract are square-shaped without spikes, thus making possible to drive also indoors



ASK ALSO OTHER SIZES AND SNOW CHAINS FOR TRUCKS, TRACTORS AND FARMING MACHINES!

MODEL 1

Size of the wheel	Strenght of the material mm	Weight kg/pair	Product code (1 pc)
12.00-20	7,0	56,0	EOTRUCK1200207
250-15	5,7	23,0	EOTRUCK25015
250/70 -12, 27x10 -12, 28x9 -15, 8.15 -15	5,7	20,0	EOTRUCK28915
250/70 -12, 27x10 -12, 28x9 -15, 8.15 -15	7,0	26,0	EOTRUCK289157
300-15,32X12.1-15,12-16.5, 33/12.5-16	5,7	26,0	EOTRUCK30015
300-15,32X12.1-15,12-16.5	7,0	38,0	EOTRUCK300157
6.50-10	5,7	15,0	EOTRUCK65010
7.00-12	5,7	17,0	EOTRUCK70012
7.00-12	7,0	23,0	EOTRUCK700127
7.00-15,205-16,215/80-16	5,7	20,0	EOTRUCK70016
8.25-15	5,7	20,0	EOTRUCK82515
8.25-15, 245/70-19.5	7,0	35,0	EOTRUCK825157

Delivery 3-5 days.

MODEL 2

Width	Rim	Weight kg/pair	Product code (1 pc)
7.00-	12"	28,0	OL93587011
8.25-	15"	39,0	OL93588216
28X9-	15"	32,0	OL93582890
27x10-	12"	31,0	OL93580271
7.00-	15"	33,0	OL93580516
235/75-	17,5"	39,0	OL93582317
10-	16,5"	37,0	OL93581015
23x9	10"	24,0	OL93580231
28x12.5-	15"	37,0	OL93582815
31x15.50-	15"	44,0	OL93580316
23x10.5-	12"	25,0	OL93580222

Delivery 3-5 days.

6. JACKS

Bottle jack

Floor jacks

Mechanical jacks

Toe jacks

Farm jacks

Low height lifting cylinders



BOTTLE JACKS

- safety factor 4 : 1
- also a low 10t model available (TUNKKI10PM)
- 5 - 20 t jacks have an rotatable adjustment piece, does not apply to the lowest model
- can also be used horizontally
- paint coated

WLL t	Min height mm	Lifting height mm	Säätö- height mm	Max height mm	Weight approx. kg	Product code
5,0	216	127	70	413	4,8	TUNKKI50P
10,0	230	150	80	460	6,6	TUNKKI100P
10,0	124	96	-	220	7,7	TUNKKI10PM
15,0	230	150	80	460	8,4	TUNKKI160P
20,0	242	150	60	452	10,8	TUNKKI200P
32,0	285	180	-	465	22,3	TUNKKI300P
50,0	300	180	-	480	32,2	TUNKKI500P



The jacks are packed to cardboard boxes



HYDRAULIC AIR BOTTLE JACK

- hydraulic jack operating with pressured air
- quick to use
- equipped with Xinch connector, which is changeable
- can also be operated normally with a lever
- paint coated

WLL t	Min height mm	Lifting height mm	Adjustment height mm	Max height mm	Weight kg	Product code
5	210	140	60	430	6,0	TUNKKI05AIR
12	265	165	80	510	13,5	TUNKKI12AIR
20	265	165	80	510	17,7	TUNKKI20AIR



HYDRAULIC TOE JACKS

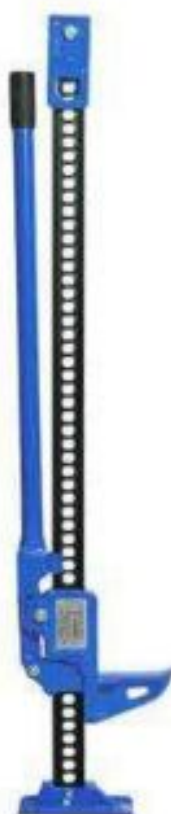
- lifting from extremely low at the tip of the jack or from above the jack
- unbeatable tool for lifting and moving heavy machines and pieces etc
- surface coated with yellow paint

WLL kg	Max height from tip mm	Max height from top mm	Alin height from tip mm	Alin height from top mm	Weight kg	Product code
5000	230	573	20	370	20	TUNKKI5H
10000	265	650	30	420	35	TUNKKI10H
25000	273	720	58	505	100	TUNKKI25H



FARM JACK

- for farms, off road equipment, garages etc.
- light and efficient
- surface coated with blue paint



WLL 130 - 300 mm 300 - 500 mm over 500 mm kg	Lifting point min height mm	Lifting point max height mm	Weight kg	Product code
2000 1600 500	130	1060	13,0	TUNKHATA3548
2000 1600 500	130	1325	14,5	TUNKHATA3560

MECHANICAL JACKS FOR LIFTING FROM THE SIDE OR TOP

- lifting with a fixed crank
- two different lifting points, side or top
- surface coated
- safety factor 4 : 1

WLL	Min. height	Minimum side lifting point height	Lifting height	Base size	Weight	Product code
t	mm	mm	mm	mm	approx. kg	
3	730	75	350	130x 138	20	TUNKKI03S
5	730	70	300	140x170	28	TUNKKI05S
10	800	90	300	140x170	46	TUNKKI10S
20	800	95	340	140x170	63	TUNKKI20S



TRUCK JACK

- two sizes 22t and 35t
- pressured air - hydraulic heavy weight jack
- required operating pressure 5-8,5 bar
- adjustment block of different size affecting the lifting height are included
- surface coated with blue paint



WLL	Min height	Max height	Lifting height	Weight	Product code
kg	mm	mm	mm	kg	
22000	230	430	200	45,0	TUNKKI22AIR
35000	245	490	245	46,0	TUNKKI35AIR

FLOOR JACK WITH AN ALUMINIUM BODY

- high class light metal jack
- lifting capacity 1,5 t
- equipped with double cylinders



WLL	Min height	Max height	Lifting height	Weight	Product code
kg	mm	mm	mm	kg	
1500	90	358	268	14,3	TUNKHA15AL



The jacks are packed to cardboard boxes

FLOOR JACK 2.5T

- low-profile floor jack
- durable steel body
- surface coated with blue paint



WLL	Min height	Max height	Lifting height	Weight	Product code
kg	mm	mm	mm	kg	
2500	85	455	370	34,8	TUNKHA25MA



The jacks are packed to cardboard boxes

FLOOR JACK 5T AND 10T

- long steel body
- lifting with either handle or with pedal
- lowering with handle
- surface coated with blue paint

WLL	Min height	Max height	Lifting height	Weight	Product code
kg	mm	mm	mm	kg	
5000	150	560	410	87,0	TUNKHA5PRO
10000	160	560	400	146,0	TUNKHA10PRO



FORKLIFT JACK

- suunniteltu trukkikäyttöön
- paint coated

WLL lifting point A kg	WLL lifting point B kg	Max height A mm	Max height B mm	Min height A mm	Min height B mm	Weight kg	Product code
5000	4000	725	413	415	65	45,0	TUNKTRU45



LOW HEIGHT HYDRAULIC CYLINDERS

- in a lifting cylinder the lifting is performed hydraulically
- lifting cylinders always require an external pump
- WLL 5 - 150 t
- lifting heights 9 - 30 mm
- paint coated

WLL t	Min height mm	Lifting height mm	Size mm	Oper. press. bar	Oil volume lit.	Weight approx. kg	Product codes
5	40	9	63x44x40	500	0,012	0,75	TUNKKI5SYL
10	45	11	78x56x45	520	0,022	1,3	TUNKKI10SYL
15	50	13	92x68x50	600	0,04	2,0	TUNKKI15SYL
20	60	17	104x80x60	590	0,07	3,1	TUNKKI20SYL
30	65	17	125x100x65	585	0,11	5,0	TUNKKI30SYL
50	75	19	153x125x75	625	0,18	8,8	TUNKKI50SYL
75	85	21	186x155x85	600	0,13	15,3	TUNKKI75SYL
100	95	25	206x175x95	640	0,45	21,0	TUNKKI100SYL
150	118	30	247x215x118	610	0,82	40,0	TUNKKI150SYL



HAND PUMPS FOR HYDRAULIC SYLINDERS

- hand operated hydraulic pumps for lifting cylinders
- three differend sizes



Oper. press. bar	Oil flow rate with high pressure ml	Oil flow rate with low pressure ml	Oil volume l	Applicable to cylinders	Weight approx. kg	Product codes
63	2,6	11,5	0,6	5-50t	6,0	TUNKKIPUMP1
63	3,0	20,0	1,0	30-100t	9,0	TUNKKIPUMP2
63	3,0	20,0	1,9	100-150t	13,4	TUNKKIPUMP3

8. Winches

Electric winches 230/380v

Direct current winches 12/24v

Electric wire winches

Trailer winches

Wire rope winches



ELECTRIC WINCHES 230 V AND 380 V / 50 Hz

- quality winches for professional use
- max. lifting/pulling capacities 300, 500, 1000 and 2000 kg
- equipped with steel wire rope and rotating latch hook
- protection class IP54 / IP51 (VAVINTH300EL and VAVINTH500EL)
- VAVIN500MINI
 - extremely light structured, but powerful winch
 - equipped with an overload protection and an attachment hook
 - coal brush engine

Maximum lifting and pulling capacity kg	Voltage	Steel wire diam. (mm) x length (m)	Engine kW	Speed m/min	Remote control cable m	Power cable m	ED%	Measurem. l x s x k mm	Weight kg	Product code
300	230V	7 x 30	0,74	15	2	0,5	40	250x201x233	39	VAVINTH300EL
500	230V	6 x 30	1,30	7	2	0,5	40	500x250x330	21	VAVIN500MINI
500	380V	8 x 45	1,47	21	2	0,5	40	710x310x285	76	VAVINTH500EL
1000	380V	10 x 45	2,20	12	2	0,5	40	1120x385x340	145	VAVINTH1000EL
2000	380V	12 x 70	3,67	12	10	1,5	40	1290x590x520	392	VAVINTH2000EL



ELECTRIC WINCH FOR THE VEHICLES 12V / 24V

- quality winches for professional use
- permanent magnet motor
- max. pulling capacities 1500 kg, 2000 kg and 4300 kg
- equipped with steel rope or latch hook
- roll guide for steel rope
- to be used with removable cable remote control
- wire rope roll control

Maximum pulling capacity kg	Voltage	Steel wire diam. (mm) x Length (m)	Engine power kW	Pulling speed 0kg-max m/min	Measurements L x S x K mm	Remote control cable length m	Weight kg	Product code
2000	12V	6,0 x 18,0	1,30	3,6-1,5	341 x 142 x 152	3,0	16,0	VIKEW450012
4500	12V	9,2 x 28,0	2,70	4,2-1,6	571 x 186 x 224	3,0	48,0	VINEW1000012
4500	24V	9,2 x 28,0	3,00	5,0-1,8	571 x 186 x 224	3,0	48,0	VINEW1000024



Includes a roll guide for steel rope

ELECTRIC WINCHES (DC) FOR VEHICLES 12V

NEW

- permanent magnetic motors
- equipped with steel rope and latch hook
- 1133 kg -model with roll guide for steel rope and separate attachment plate
- to be used with removable cable remote control
- wire free pull

Maximum pulling capacity kg	Voltage	Steel wire diam.(mm) x Length (m)	Engine power kW	Pulling speed 0kg-max m/min	Measurements L x S x K mm	Remote control cable length m	Weight kg	Product code
900	12V	4,0 x 15,0	0,63	3,2-0,9	275 x 102 x 105	1,1	5,5	VIATV900
1133	12V	4,8 x 12,0	0,75	3,2-1,0	283 x 99 x 105	2,8	6,5	VIATV1133



VIATV900



VIATV1133

ELECTRIC WIRE HOISTS FOR LIFTING AND PULLING 230V / 50Hz

- light and easy-to-use electric wire hoist for lifting and pulling
- two models 250 ja 450 kg
- remote control
- equipped with a hook with latch and an overload detector

WLL kg	Voltage	Engine kW	Wire rope length m	Weight kg	Product code
250	230V	1,2	8,0	7,0	VANOS250
450	230V	1,2	4,6	7,0	VANOS450



Packed to a cardboard box

ELECTRIC WIRE HOIST 230V 50Hz



- light structured, but powerful wire hoist
- equipped with upper and lower limit switches
- the hook rotates 360°
- available also with an extended control cable
- protection class IP54

WLL kg	Lifting height m	Wire rope mm	Speed m/min	ED %	Engine power kW	Product code
230	30	5	19	35	1,3	VAINOSH230
300	60	5	12	35	1,3	VAINOSH300
500	30	7	12	35	1,8	VAINOSH500

DIMENSIONS

Product code	Control cable length m	Power cable length m	Body width mm	Body depth mm	Body + hook min height mm	Weight kg
VAINOSH230	7	5	240	180	660	22,0
VAINOSH300	7	5	240	210	670	29,5
VAINOSH500	7	5	240	210	670	29,5

Control cable 10 m extension
Product code: VAINOSHKAAP

RED ROOSTER COMPRESSED AIR WINCHES



NEW

RED ROOSTER compressed air winches come with a wide selection of products to meet the needs of industrial users and seafaring. All Red Rooster winches are in accordance with ATEX 94/9/EC -directive so they fit perfectly with surroundings and areas with potential danger of fire and/or explosion due to dust, gas or chemicals. Red Rooster Winches are powered mechanically via compressed air, hence free of sparks when operated, unlike electric winches.

Red Rooster winches have been operated and developed for the past 25 years and have been proved safe, easy to use and workable also in difficult circumstances.

Note! In order to function correctly, winches require quality net of compressed air equipped with moist remover and lubrication system. Required components may be delivered with the product.

Red Rooster winches



FD-series, 8 models
Max WLL
800 - 5250 kg



SB-series for lifting, 14 models
Max WLL
1200 - 20000 kg



PFW-L-series for lifting, 6 models
Max WLL
500 - 3000 kg



LV-series, 6 models
Max WLL
250 - 2000 kg



RRI-series 4 models
Max WLL
500 - 2000 kg



OAW offshore-series, 14 models
Max WLL
1955 - 14980 kg

Ask for more information
about the winches from
our sales department! Each
product will be tailored to
meet the needs of the client.

TRAILER WINCHES

- high quality pulling winches for boat and car trailers
- six models
- 800kg winch with two traction gears, "super heavy" model with mechanic lever brake
- 600kg and 900kg painted steel winches, stainless steel models with encased automatic brake
- includes an 8m polyester webbing with latch hook
- stainless steel model with a 10m webbing

Material	Maximum pulling capacity	Strap width	Strap length	Weight	Product code
	kg	mm	m	kg	
steel, painted	600	50	8.0	4,4	VINT600AT
steel, painted	825	50	8.0	8,0	VINT900AT
steel, galvanized	800	50	8.0	4,9	VINT800H
AISI 316	900	50	10.0	8,0	VINT900RUAT



SPARE STRAP TO WINCHES



- equipped with a hook
- strap width 50 mm
- material polyester
- packed in a plastic bag with a barcode

Length	Product code
m	
4,5	VV20004,5
8,0	VV20008

STEEL WIRE ROPE WINCHES

- high class pulling/lifting winches for professional use
- two models, one with handle on the side of the winch and other with handle on the top
- equipped with automatic friction brake that operates in both directions
- workloads when lifting 250kg, 500kg, 1,000kg and 2000kg
- can be mounted in various ways, for example on floor or wall
- **delivered without wire, which has to be ordered separately**

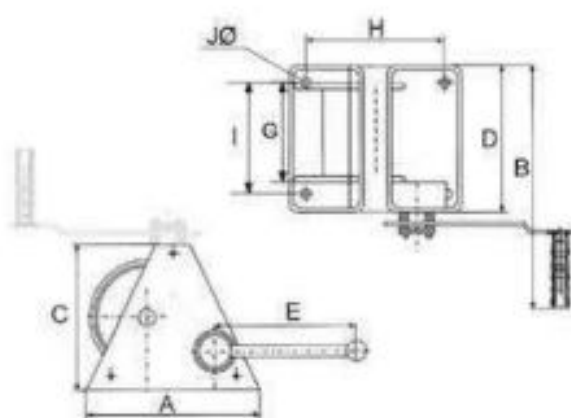
Model	WLL kg	Max wire diam. mm	Max wire length with drum m	Weight (without wire) kg	Product code
Side handle	150	4	22	5,5	VAVIN150
Side handle	300	4/5	40	16,9	VAVIN250
Side handle	500	6/8	20	18,8	VAVIN500
Side handle	1000	10	30	38,0	VAVIN1000
Side handle	2000	13	30	64,0	VAVIN2000
Top handle	250	4/5	20	10,0	VAVIN250Y
Top handle	500	6/8	25	17,0	VAVIN500Y
Top handle	1000	10	30	35,0	VAVIN1000Y



Side handle



Top handle



Product code	A mm	B mm	C mm	D mm	E mm	G mm	H mm	I mm	J∅ mm
VAVIN150	180	325	150	150	350	102	152	112.5	8.5
VAVIN250	240	385	200	200	250	122	196	143	12
VAVIN500	240	385	200	200	250	122	200	145	12
VAVIN1000	412	485	300	300	350	195	367	235	17
VAVIN2000	500	585	325	350	350	285	436	326	20
VAVIN250Y	150	-	150+170	200	240	128	136/100	114	10.5
VAVIN500Y	180	-	180+180	260	240	182	183/130	141	12
VAVIN1000Y	300	-	300+190	300	340	198	247	186	17

WIRE ROPES FOR WINCHES WITH EYE SLING HOOK WITH SWIVEL



Fits to winch kg	Length m	Wire size mm	Product code
150/250/300	12	4	VAVIN250VA412
500	14	6	VAVIN500VA614
1000	30	10	VAVIN1000VA1030

9. Lifting points

Grade 8

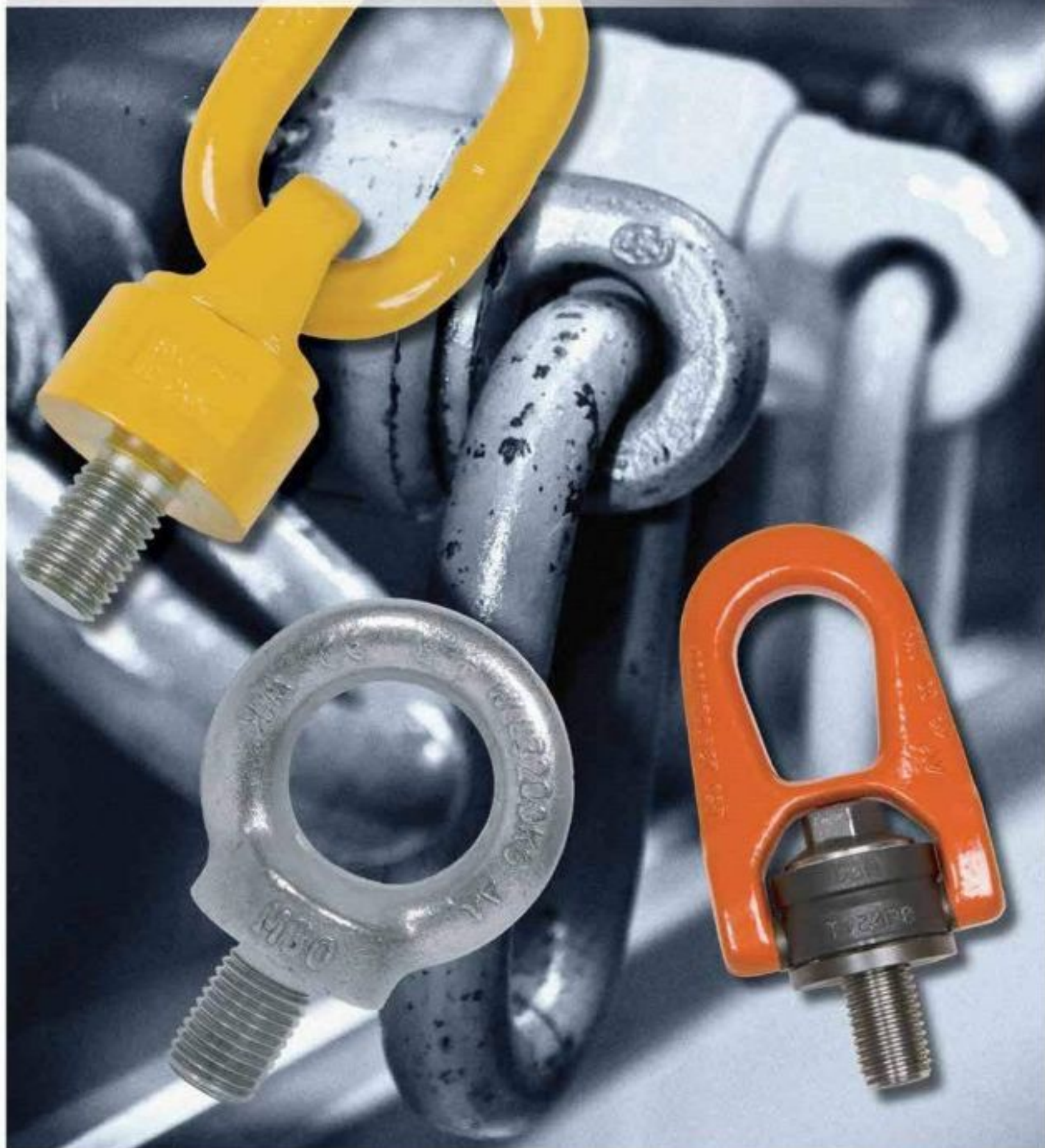
Stainless steel

Grade 10

For sea containers

With ball bearings

With bolt / weld-on



Instructions for using lifting points

In multiple leg lifting, the angles are side angles, the angles between slings are correspondingly $0 - 90^\circ$ ($0-45^\circ$) and $90 - 120^\circ$ ($45-90^\circ$).

Lifting eyes with thread must always be tightened with a tool onto the piece to be lifted. Avoid making it too tight, however.

If the lifter hook is attached directly to the lifting eye, it must fit in a way that the load is directed towards the hook bottom, not the tip.

If a lifting eye with a long thread is used in a hole with not thread and on the other end, a nut, you must ensure that the hole diameter is max. 10% bigger than that of the lifting eye and that the nut is tightened carefully and min. strength category 8.8. The screw must be so long that the entire length of the nut can be screwed to it.

DIN 580 and DIN 582 lifting points the operating temperature is $-20 - (+)200^\circ\text{C}$

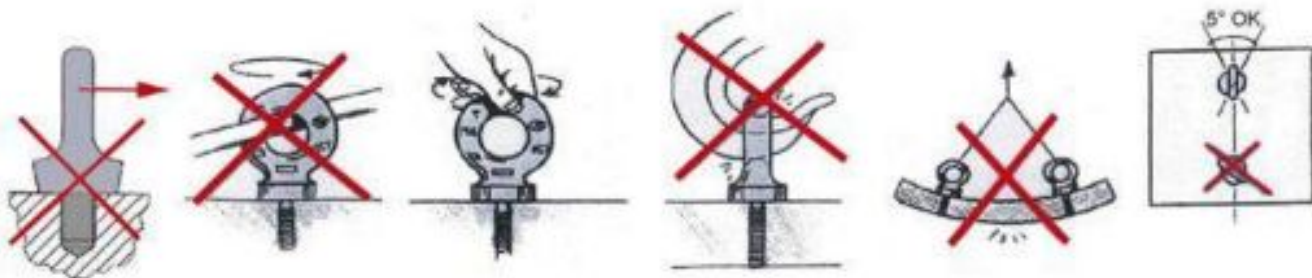
Minimum thread lengths for different materials when using screw eyes,
d = lifting eye thread diameter

Steel	Cast iron	Aluminium	Aluminium - Magnesium-alloy
1 x d	1,25 x d	2 x d	2,5 x d

Grade 8 lifting eyes

Lifting eye must be attached by twisting with hand or using a tool suitable for the work so that leg piece of the eye touches the surface of the item being lifted with its whole plane. Do not exceed the tightening torque given.

Secure lifting eyes arc pointing towards lifting direction. In multi legged lifts eye arc must also be towards the direction of lift. DIN 580 / DIN 582 type lifting eyes' not to be loaded horizontally.

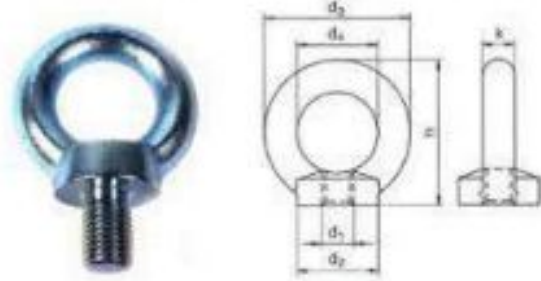


LIFTING EYE NUT FOR VERTICAL LIFTING DIN 582

Size	d2	d3	d4	h	k	Pac. size pc	Weight kg	Product code
d1	mm	mm	mm	mm	mm			
M 6	20	36	20	36	8	50	0,048	NSM06
M 8	20	36	20	36	8	50	0,05	NSM08
M10	25	45	25	45	10	50	0,09	NSM10
M12	30	54	30	53	12	25	0,16	NSM12
M14	35	63	35	62	14	25	0,24	NSM14
M16	35	63	35	62	14	10	0,24	NSM16
M18	40	72	40	71	16	10	0,36	NSM18
M20	40	72	40	71	16	10	0,36	NSM20
M22	45	81	45	80,5	18	1	0,58	NSM22
M24	50	90	50	90	20	1	0,72	NSM24
M27	55	96	53	97	22	1	0,7	NSM27
M30	65	108	60	109	24	1	1,32	NSM30
M33	65	108	60	109	24	1	1,3	NSM33
M36	75	126	70	128	28	1	2,08	NSM36
M39	85	144	80	147	32	1	2,02	NSM39
M42	85	144	80	147	32	1	3,11	NSM42
M45	100	166	90	168	38	1	3,04	NSM45
M48	100	166	90	168	38	1	5,02	NSM48
M52	110	184	100	187	42	1	4,95	NSM52
M56	110	184	100	187	42	1	6,69	NSM56
M64	120	206	110	208	48	1	9,3	NSM64

LIFTING EYE SCREW FOR VERTICAL LIFTING DIN 580

Size	d2	d3	d4	h	k	l	Pac. size pc	Weight kg	Product code
d1	mm	mm	mm	mm	mm	mm			
M 6	20	36	20	36	8	13	50	0,05	NSR06
M 8	20	36	20	36	8	13	50	0,06	NSR08
M10	25	45	25	45	10	17	50	0,11	NSR10
M12	30	54	30	53	12	20,5	25	0,18	NSR12
M14	35	63	35	62	14	27	25	0,28	NSR14
M16	35	63	35	62	14	27	10	0,28	NSR16
M18	40	72	40	71	16	30	10	0,45	NSR18
M20	40	72	40	71	16	30	10	0,45	NSR20
M22	45	81	45	80,5	18	35	1	0,67	NSR22
M24	50	90	50	90	20	36	1	0,87	NSR24
M27	55	96	53	97	22	39	1	0,88	NSR27
M30	65	108	60	109	24	45	1	1,66	NSR30
M33	65	108	60	109	24	45	1	1,66	NSR33
M36	75	126	70	128	28	54	1	2,65	NSR36
M39	85	144	80	147	32	63	1	4,03	NSR39
M42	85	144	80	147	32	63	1	4,03	NSR42
M45	100	166	90	168	38	68	1	6,38	NSR45
M48	100	166	90	168	38	68	1	6,38	NSR48
M52	110	184	100	187	42	78	1	8,8	NSR52
M56	110	184	100	187	42	78	1	8,8	NSR56
M64	120	206	110	208	48	90	1	12,4	NSR64



WLL

size	WLL t		WLL t		WLL t		WLL t		WLL t		WLL t		WLL t	
	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	WLL t	
M6	0,08	not allowed	0,16	not allowed	0,05	not allowed	0,08	not allowed						
M8	0,14	not allowed	0,28	not allowed	0,10	not allowed	0,14	not allowed						
M10	0,23	not allowed	0,46	not allowed	0,17	not allowed	0,23	not allowed						
M12	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed						
M14	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed						
M16	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed						
M18	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed						
M20	1,20	not allowed	2,40	not allowed	0,83	not allowed	1,20	not allowed						
M22	1,20	not allowed	2,40	not allowed	0,83	not allowed	1,20	not allowed						
M24	1,80	not allowed	3,60	not allowed	1,27	not allowed	1,80	not allowed						
M27	2,50	not allowed	5,00	not allowed	1,78	not allowed	2,50	not allowed						
M30	3,20	not allowed	6,40	not allowed	2,28	not allowed	3,20	not allowed						
M33	3,20	not allowed	6,40	not allowed	2,28	not allowed	3,20	not allowed						
M36	4,60	not allowed	9,20	not allowed	3,28	not allowed	4,60	not allowed						
M39	4,60	not allowed	9,20	not allowed	3,28	not allowed	4,60	not allowed						
M42	6,50	not allowed	12,80	not allowed	4,50	not allowed	6,50	not allowed						
M45	6,50	not allowed	12,80	not allowed	4,50	not allowed	6,50	not allowed						
M48	8,60	not allowed	17,20	not allowed	6,10	not allowed	8,60	not allowed						
M52	8,60	not allowed	17,20	not allowed	6,10	not allowed	8,60	not allowed						
M56	11,50	not allowed	23,00	not allowed	8,30	not allowed	11,50	not allowed						
M64	16,00	not allowed	32,00	not allowed	11,08	not allowed	16,00	not allowed						
M72	20,00	not allowed	40,00	not allowed	14,28	not allowed	20,00	not allowed						
M80	28,00	not allowed	56,00	not allowed	20,00	not allowed	28,00	not allowed						
M100	40,00	not allowed	80,00	not allowed	28,57	not allowed	40,00	not allowed						

Larger sizes also available with 2-3 weeks delivery time

STORE-PACKED



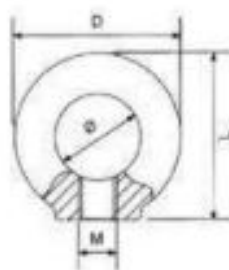
Type	Store packed pcs	Package size pcs	Product code
nut	4	15	NSM06IP4
nut	2	15	NSM08IP2
nut	2	15	NSM10IP2
nut	1	15	NSM12IP1
screw	4	15	NSR06IP4
screw	2	15	NSR08IP2
screw	2	15	NSR10IP2
screw	1	15	NSR12IP1

The other Store-packed products can be found on page 15-6

LIFTING EYES FOR ALL LIFTING DIRECTIONS, GRADE 8

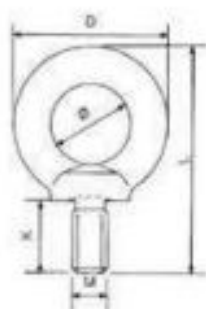
- Grade 8
- the WLL for vertical lifting is marked on the eye
- in lateral lifting, the load is 25% of the vertical lifting WLL
- powder coated surface
- safety factor 4 : 1

Eye nut



Size	D	ø	L	Weight	Product code
M	mm	mm	mm	kg	
M6	36	20	36	0,049	NS8M06
M8	36	20	36	0,05	NS8M08
M10	45	25	45	0,09	NS8M10
M12	54	30	53	0,16	NS8M12
M14	63	35	62	0,24	NS8M14
M16	63	35	62	0,24	NS8M16
M20	72	40	71	0,36	NS8M20
M24	90	50	90	0,72	NS8M24
M30	108	60	109	1,32	NS8M30
M36	126	70	128	2,08	NS8M36
M42	144	80	147	3,11	NS8M42
M48	166	90	168	5,02	NS8M48

Eye screw



Size	D	K	ø	L	Weight	Product code
M	mm	mm	mm	mm	kg	
M6	28	13	16	42	0,05	NS8R06
M8	39	15	20	51	0,06	NS8R08
M10	45	18	25	63	0,11	NS8R10
M12	54	22	30	75	0,18	NS8R12
M14	63	28	35	88	0,28	NS8R14
M16	63	28	35	88	0,28	NS8R16
M20	72	30	40	101	0,45	NS8R20
M24	90	38	50	128	0,87	NS8R24
M30	108	45	60	154	1,66	NS8R30
M36	126	55	70	183	2,65	NS8R36
M42	144	65	80	212	4,03	NS8R42
M48	166	70	90	238	6,38	NS8R48

WLL

size									Torque Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
M6	0,40	0,15	0,80	0,20	0,14	0,10	0,21	0,15	3,5
M8	1,00	0,40	2,00	0,50	0,35	0,25	0,52	0,37	8,0
M10	1,00	0,40	2,00	0,50	0,35	0,25	0,52	0,37	16,0
M12	2,00	0,75	4,00	1,00	2,80	0,50	1,00	0,75	28,0
M14	4,00	1,50	8,00	2,00	1,40	1,00	2,10	1,50	70,0
M16	4,00	1,50	8,00	2,00	1,40	1,00	2,10	1,50	70,0
M20	6,00	2,30	12,00	3,00	2,10	1,50	3,15	2,25	135,0
M24	8,00	3,20	16,00	4,00	2,80	2,00	4,20	3,00	230,0
M30	12,00	4,50	24,00	6,00	4,20	3,00	6,30	4,50	465,0
M36	16,00	7,00	32,00	8,00	5,60	4,00	8,40	6,00	814,0
M42	24,00	9,00	48,00	12,00	8,40	6,00	12,60	9,00	1304,0
M48	32,00	12,00	64,00	16,00	11,20	8,00	16,80	12,00	1981,0

LIFTING EYE WITH BOLT FOR ALL LIFTING DIRECTIONS, GRADE 8

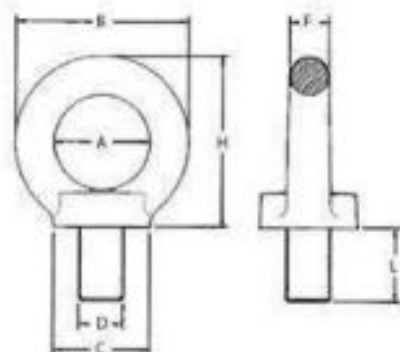
- grade 8
- lifting in all positions
- can be turned according to direction of lift
- separate attachment bolt
- powder coated surface
- safety factor 4 : 1



Size	A	B	C	F	H	Weight	Product code
d x L mm	mm	mm	mm	mm	mm	kg	
M6 x 15	25	45	25	10	45	0,09	NSR06P
M8 x 15	25	45	25	10	45	0,09	NSR08P
M10 x 16	25	45	25	10	45	0,11	NSR10P
M12 x 22	35	63	35	14	62	0,27	NSR12P
M14 x 20	35	63	35	14	62	0,29	NSR14P
M16 x 29	35	63	35	14	62	0,30	NSR16P
M20 x 32	50	90	50	20	90	0,86	NSR20P
M24 x 40	50	90	50	20	90	0,90	NSR24P
M30 x 45	60	108	62	24	109	1,70	NSR30P

WLL

Size									Torque Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
M6	0,40	0,10	0,80	0,20	0,14	0,10	0,21	0,15	3,5
M8	0,80	0,20	1,60	0,40	0,28	0,20	0,42	0,30	8,0
M10	1,00	0,25	2,00	0,50	0,35	0,25	0,52	0,37	16,0
M12	1,60	0,40	3,20	0,80	0,56	0,40	0,84	0,60	28,0
M16	4,00	1,00	8,00	2,00	1,40	1,00	2,10	1,50	70,0
M20	6,00	1,50	12,00	3,00	2,10	1,50	3,15	2,25	135,0
M24	8,00	2,00	16,00	4,00	2,80	2,00	4,20	3,00	230,0
M30	12,00	3,00	24,00	6,00	4,20	3,00	6,30	4,50	465,0
M36	16,00	4,00	32,00	8,00	5,60	4,00	8,40	6,00	814,0
M42	24,00	6,00	48,00	12,00	8,40	6,00	12,60	9,00	1304,0
M48	32,00	8,00	64,00	16,00	11,20	8,00	16,80	12,00	1981,0



BOLT-ON LIFTING EYE SCREWS FOR ALL LIFTING DIRECTIONS, GRADE 10

- grade 10
- lifting in all positions
- can be turned to the direction of the force
- the bolt is attached to the eye with a lockable slug
- powder coated surface
- safety factor 4 : 1

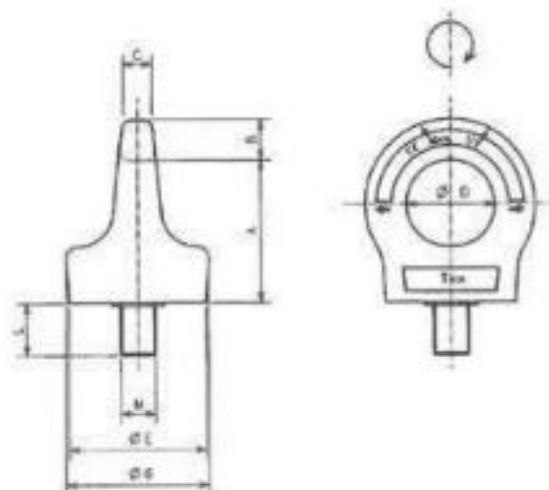
Size	A	B	C	D	E	G	K	L	Product code
M	mm	mm	mm	mm	mm	mm	mm	mm	
M8	52,5	12	8,5	25	32	34	49	15	NS10M08
M10	52,5	12	8,5	25	32	34	49	15	NS10M10
M12	62,4	15	8,5	30	44	46	58	18	NS10M12
M16	71,5	16	15	35	56	60	67	24	NS10M16
M20	79,9	18	17	40	58	60	76	30	NS10M20
M24	96,9	23	20	48	73	76	94	36	NS10M24
M30	123,9	27	28	60	80	84	114	45	NS10M30
M36	124,9	37	38	80	95	99	154	54	*NS10M36
M42	148,0	40	41	90	105	114	170	63	*NS10M42
M48	164,9	45	47	95	120	129	185	72	*NS10M48

*Items marked with asterisk delivery 2-3 weeks

WLL



Size								Torque Nm	
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°		WLL t 45 - 60°
M8	1,00	0,40	2,00	0,80	0,56	0,40	0,84	0,60	8,0
M10	1,00	0,40	2,00	0,80	0,56	0,40	0,84	0,60	16,0
M12	2,00	0,75	4,00	1,50	1,00	0,75	1,60	1,12	28,0
M16	4,00	1,50	8,00	3,00	2,00	1,50	3,15	2,25	70,0
M20	6,00	2,30	12,00	4,60	3,22	2,30	4,83	3,45	135,0
M24	8,00	3,20	16,00	6,40	4,48	3,20	6,70	4,80	230,0
M30	12,00	4,50	24,00	9,00	6,30	4,50	9,40	6,70	465,0
M36	16,00	7,00	32,00	14,00	9,80	7,00	14,70	10,5	814,0
M42	24,00	9,00	48,00	18,00	12,60	9,00	18,90	13,5	1304,0
M48	32,00	12,00	64,00	24,00	16,80	12,00	25,20	18,0	1981,0



LIFTING EYE SCREW WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 8

- grade 8
- eye turns to the direction of the force
- paint coated
- safety factor 4 : 1
- also available with longer 120mm thread

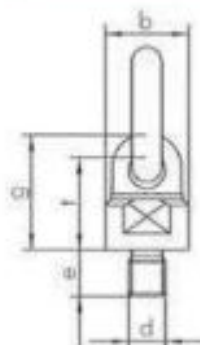
Size	b	e	g	t	Lifting eye dimensions eye diam. x height x width	Weight	Product code	Product code 120mm thread
d	mm	mm	mm	mm	mm	kg		
M10	36	18	51	41	14x55x30	0,43	NS8KL1003	-
M12	36	18	51	41	14x55x30	0,44	NS8KL1205	-
M16	36	40	52	42	14x55x30	0,46	NS8KL161	NS8KL161120
M20	50	30	68	56	16x70x34	0,96	NS8KL202	NS8KL202120
M24	57	40	78	65,5	18x85x37	1,45	NS8KL2432	NS8KL243120
M30	66	35	97	80,5	20x85x37	2,17	NS8KL3053	NS8KL305120
M30	80	35	112	92	22x115x50	3,57	NS8KL308	NS8KL308120
M36	80	50	109	89,5	22x115x50	4,17	NS8KL368	NS8KL368120
M42	80	50	109	89,5	25x115x50	3,67	NS8KL4210	-
M45	80	60	109	89,5	25x115x50	4,17	NS8KL4510	-
M48	80	50	109	89,5	25x115x50	4,02	NS8KL4810	-
M56	117	84	310	280	32x152x70	11,6	NS8KL5615	-
M64	117	95	310	280	32x152x70	12,6	NS8KL6415	-



Pitkäkierteinen

WLL

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0-45°	WLL t 45-60°	WLL t 0-45°	WLL t 45-60°	Torque Nm
M10	0,9	0,45	1,2	0,6	0,4	0,3	0,6	0,5	10-16
M12	1,0	0,5	2,0	1,0	0,8	0,5	1,1	0,8	15-28
M16	2,0	1,1	4,0	2,2	1,5	1,1	2,4	1,6	45-70
M20	4,0	2,0	8,0	4,0	2,8	2,0	4,0	3,0	75-130
M24	6,3	3,2	12,6	6,3	4,3	3,2	6,3	4,7	90-130
M30	10,6	5,3	21,2	10,6	7,1	5,3	11,1	8,0	230-400
M30	11,8	8,0	23,6	16,0	11,2	8,0	16,0	11,8	230-400
M36	11,8	8,0	23,6	16,0	11,2	8,0	16,0	11,8	270-600
M42	15,0	10,0	30,0	20,0	14,0	10,0	21,0	15,0	270-700
M45	15,0	10,0	30,0	20,0	14,0	10,0	21,0	15,0	350-800
M48	15,0	10,0	30,0	20,0	14,0	10,0	21,0	15,0	350-800
M56	25,0	15,0	50,0	25,0	21,0	15,0	31,5	25,0	350-900
M64	25,0	15,0	50,0	25,0	21,0	15,0	31,5	25,0	350-900



LIFTING EYE SCREWS WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 10

- grade 10
- eye turns to the direction of the force
- paint coated/yellow chromated
- safety factor 4 : 1

Size	WLL 90° liftings	b	g	t	Lifting eye dimensions eye diam. x height x width mm	Weight	Product code
d x e	t	mm	mm	mm		kg	
M 10 x 18	0,5	36,5	48	41	13x55x32	0,42	NS10KL10005
M 12 x 18	0,7	36,5	48	41	13x55x32	0,43	NS10KL12007
M 14 x 20	1,0	36,5	48	41	13x55x32	0,42	NS10KL14010
M 16 x 30	1,4	36,5	48	41	13x55x32	0,44	NS10KL16014
M 20 x 30	1,7	36,5	48	41	13x55x32	0,46	NS10KL20017
M 20 x 40	2,5	52	68	57	16x70x34	0,97	NS10KL20025
M 24 x 30	1,7	36,5	48	41	13x55x32	0,49	NS10KL24017
M 24 x 45	4,0	57	75	63	18x85x45	1,48	NS10KL2404
M 30 x 35	4,0	57	75	63	18x85x45	1,50	NS10KL3004
M 30 x 45	6,7	70	95	78	20x85x45	2,37	NS10KL30067
M 30 x 45	8,0	81	106	86	23x115x60	3,64	NS10KL3008
M 36 x 50	10,0	81	106	86	23x115x60	3,72	NS10KL3610
M 42 x 50	12,5	81	106	86	23x115x60	3,82	NS10KL4212
M 45 x 60	17,0	104	127	106	30x140x70	7,50	NS10KL4517
M 48 x 72	12,0	81	106	86	23x115x60	4,33	NS10KL4812
M 48 x 60	17,0	104	127	106	30x140x70	7,57	NS10KL4817
M 56 x 78	18,0	104	127	106	30x140x70	8,00	NS10KL5618
M 64 x 96	20,0	104	127	106	30x140x70	8,85	NS10KL6420
M 64 x 96	28,0	129	174	135	35x170x80	16,30	NS10KL6428
M 72 x 120	28,0	129	174	135	35x170x80	17,60	NS10KL7228
M 80 x 150	28,0	129	174	135	35x170x80	19,50	NS10KL8028
M 90 x 115	40,0	170	233	182	46x240x110	36,50	NS10KL9040
M 100 x 150	40,0	170	233	182	46x240x110	39,80	NS10KL10040

Many sizes available also with shorter and longer threads, ask for more!

Delivery 2-3 weeks

Size	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Torque Nm
M 10 x 18	1,0	0,5	2,0	1,0	0,7	0,5	1,0	0,8	10 - 40
M 12 x 18	1,4	0,7	2,8	1,4	1,0	0,7	1,4	1,0	15 - 40
M 14 x 20	2,0	1,0	4,0	2,0	1,4	1,0	2,1	1,5	30 - 40
M 16 x 30	2,8	1,4	5,6	2,8	2,0	1,4	3,0	2,1	45 - 130
M 20 x 30	3,4	1,7	6,8	3,4	2,4	1,7	3,6	2,5	75 - 130
M 20 x 40	5,0	2,5	10,0	5,0	3,6	2,5	5,3	3,8	100 - 170
M 24 x 30	3,4	1,7	6,8	3,4	2,4	1,7	3,6	2,5	90 - 130
M 24 x 45	8,0	4,0	16,0	8,0	5,6	4,0	8,5	6,0	190 - 280
M 30 x 35	8,0	4,0	16,0	8,0	5,6	4,0	8,5	6,0	190 - 280
M 30 x 45	12,0	6,7	24,0	13,4	9,5	6,7	14,0	10,0	230 - 400
M 30 x 45	12,0	8,0	24,0	16,0	11,2	8,0	16,0	12,0	270 - 600
M 36 x 50	15,0	10,0	30,0	20,0	14,0	10,0	21,2	15,0	270 - 600
M 42 x 50	15,0	12,5	30,0	25,0	17,0	12,5	25,0	18,0	270 - 700
M 45 x 60	25	17,0	50,0	34,0	23,5	17,0	35,0	25,0	350 - 800
M 48 x 72	15	12,5	30,0	25,0	17,0	12,5	25,0	18,0	270 - 700
M 48 x 60	25	17,0	50,0	34,0	23,5	17,0	35,0	25,0	350 - 800
M 56 x 78	25	18,0	50,0	36,0	25,0	18,0	37,5	28,5	350 - 900
M 64 x 96	25	20,0	50,0	40,0	28,0	20,0	42,5	30,0	350 - 900
M 64 x 96	32,5	28,0	65,0	56,0	39,0	28,0	58,0	42,0	500 - 1000
M 72 x 120	32,5	28,0	65,0	56,0	39,0	28,0	58,0	42,0	500 - 1200
M 80 x 150	32,5	28,0	65,0	56,0	39,0	28,0	58,0	42,0	500 - 1200
M 90 x 115	50	40,0	100,0	80,0	56,0	40,0	84,0	60,0	500 - 1500
M 100 x 150	50	40	100,0	80,0	56,0	40,0	84,0	60,0	500 - 1700



BOLTABLE LIFTING EYE NUT WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 10

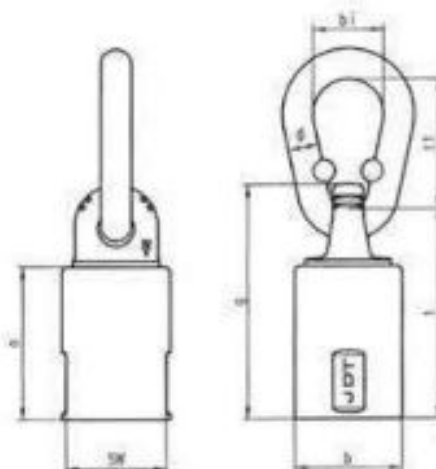
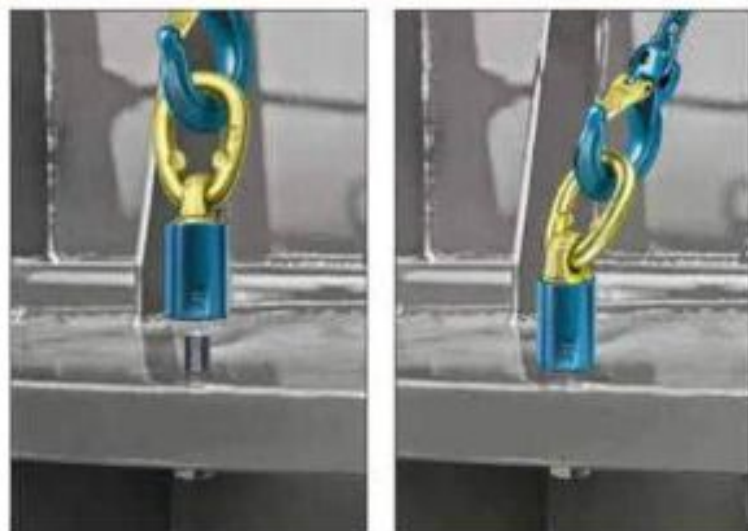
- grade 10
- eye turns to the direction of the force
- paint coated/yellow chromated
- safety factor 4 : 1



Size	a	Ø b	g	SW	T	Lifting eye dimensions Ø x t ₁ x b ₁	Weight	Product code
	mm	mm	mm	mm	mm	mm	kg	
M12 x 15	45	36,5	73	34	66	13 x 55 x 32	0,61	NS10KL1205P
M16 x 20	52	36,5	80	34	73	13 x 55 x 32	0,65	NS10KL1610P
M20 x 25	66	52	106	46	95	16 x 70 x 34	1,50	NS10KL2017P
M24 x 30	80	57	120	50	108	18 x 85 x 45	2,12	NS10KL242P
M30 x 40	94	70	148	65	131	20 x 85 x 45	3,70	NS10KL3032P
M36 x 45	107	80	164	75	145	23 x 115 x 60	5,75	NS10KL365P

Delivery 2-3 weeks

Size	WLL t	WLL t stamp in the eye	WLL t	WLL t	WLL t 0-45°	WLL t 45-60°	WLL t 0-45°	WLL t 45-60°	Torque Nm
M12 x 15	1,40	0,50	2,80	1,00	0,70	0,50	1,00	0,75	15-40
M16 x 20	2,80	1,00	5,60	2,00	1,40	1,00	2,12	1,50	45-130
M20 x 25	5,00	1,70	10,0	3,40	2,40	1,70	3,55	2,50	100-170
M24 x 30	8,00	2,10	16,0	4,00	2,80	2,10	4,25	3,15	190-280
M30 x 40	12,00	3,20	24,0	6,40	4,25	3,15	6,70	4,75	230-400
M36 x 45	15,00	5,00	30,0	10,00	6,70	5,00	10,00	7,50	270-600



WELD-ON LIFTING POINT WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 10

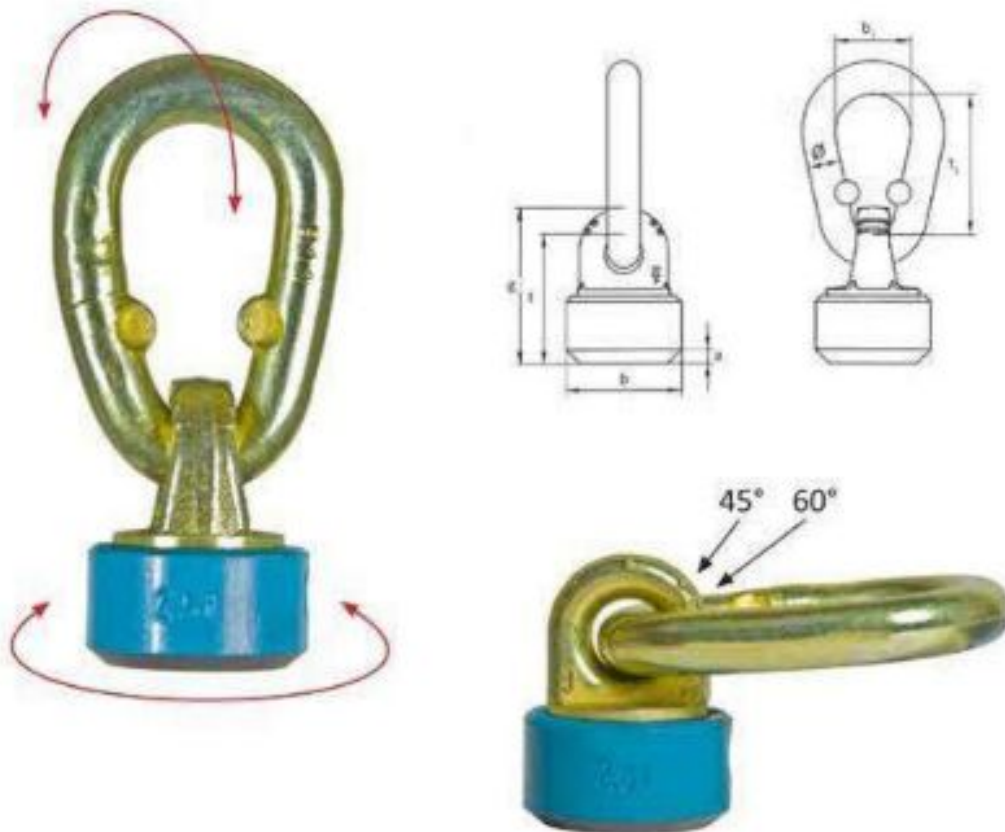
- grade 10
- eye turns to the direction of the force
- paint coated/yellow chromated
- safety factor 4:1

a	b	g	t	Lifting eye dimensions $\varnothing \times t_1 \times b_1$	Weight kg	Product code
	mm	mm	mm	mm		
5,5 x 45°	52	68	57	16 x 70 x 34	0,95	NS10KL2HI
7,0 x 45°	57	74	62	18 x 85 x 45	1,30	NS10KL4HI
8,5 x 45°	70	95	78	20 x 85 x 45	2,20	NS10KL6HI
10,0 x 45°	80	102	83	23 x 115 x 60	3,80	NS10KL10HI
12,0 x 45°	100	129	106	30 x 140 x 70	6,66	NS10KL17HI

Delivery 2-3 weeks

WLL

Product code								
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°
NS10KL2HI	5,00	2,50	10,00	5,00	3,55	2,50	5,30	3,75
NS10KL4HI	8,00	4,00	16,00	8,00	5,60	4,00	8,50	6,00
NS10KL6HI	12,00	6,70	24,00	13,40	9,50	6,70	14,00	10,00
NS10KL10HI	15,00	10,00	30,00	20,00	14,00	10,00	21,20	15,00
NS10KL17HI	25,00	17,00	50,00	34,00	23,50	17,00	35,00	25,00



TURNABLE LIFTING POINT FOR ALL LIFTING DIRECTIONS, GRADE 8

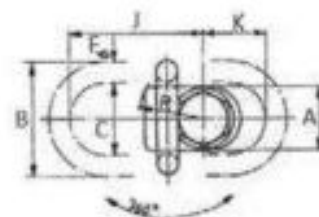
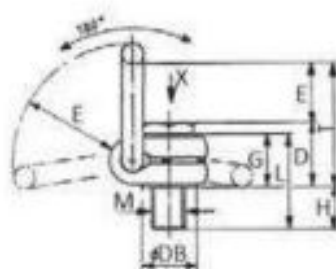
- grade 8
- the eye is equipped with a separate replaceable screw
- min. screw strength category 8.8
- eye turns to the direction of the force
- paint coated
- safety factor 4 : 1

Size	A	B	C	D	E	E'	F	H	J	K	L	R	Weight	Product code
M	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg	
M8	30	55	35	35	40	-	10	12	-	-	-	-	0,2	NS8P03
M10	32	65	36	42	56	30	14	15	74	35	50	35	0,4	NS8P05
M12	32	65	36	43	56	29	14	20	74	35	55	35	0,4	NS8P07
M16	46	85	50	50	72	41	16	25	95	45	65	46	1,0	NS8P15
M20	46	85	50	53	72	38	16	30	95	45	70	46	1,1	NS8P25
M24	46	85	50	55	72	36	16	40	95	45	80	46	1,2	NS8P30
M30	60	114	65	75	100	53	22	50	136	67	110	66	3,3	NS8P50
M36	77	124	85	101	97,5	-	26,5	62	-	-	-	-	5,8	NS8P80
M42	95	158	104	112	108	-	36	60	-	-	-	-	10,9	NS8P150
M48	95	158	104	120	103	-	36	69	-	-	-	-	11,6	NS8P200

WLL

Size	WLL stamp in the eye	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	Torque max. Nm
M8	0,30	0,30	0,60	0,60	0,42	0,30	0,63	0,45	30,0
M10	0,50	0,50	1,00	1,00	0,70	0,50	1,05	0,75	40,0
M12	0,75	0,75	1,50	1,50	1,05	0,75	1,58	1,13	65,0
M16	1,50	1,50	3,00	3,00	2,10	1,50	3,15	2,25	150,0
M20	2,50	2,50	5,00	5,00	3,50	2,50	5,25	3,75	250,0
M24	3,00	3,00	6,00	6,00	4,20	3,00	6,30	4,50	300,0
M30	5,00	5,00	10,00	10,00	7,00	5,00	10,50	7,50	500,0
M36	8,00	8,00	16,00	16,00	11,20	8,00	16,80	12,00	800,0
M42	15,00	15,00	30,00	30,00	21,00	15,00	31,50	22,50	1500,0
M48	20,00	20,00	40,00	40,00	28,00	20,00	42,00	30,00	2000,0

Min. screw strength category 8.8



LIFTING EYE WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 8

- Grade 8
- eye turns to the direction of the force
- safety factor 5 : 1

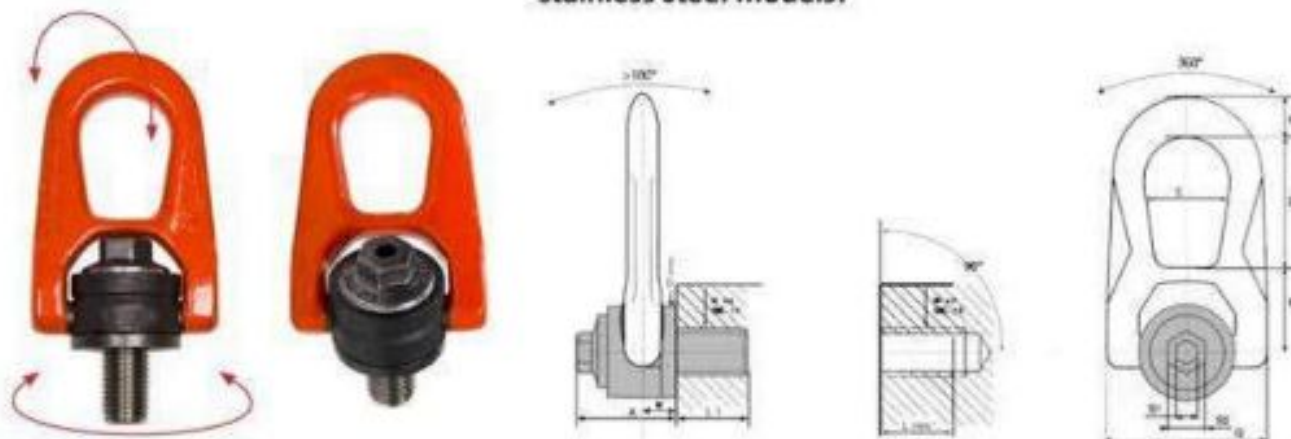
Size	L1	S1	S2	A	B	C	D	E	F	G	H	Product code
M	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
M4	15	3	-	33	30	30	38	27	14	53	9,5	*NS8KL04M
M5	15	4	-	33	30	30	38	27	14	53	9,5	*NS8KL05M
M6	15	5	-	33	30	30	38	27	14	53	9,5	NS8KL06M
M8	14	8	16	33	30	30	38	27	14	53	9,5	NS8KL08M
M10	17	8	16	33	30	30	38	27	14	53	9,5	NS8KL10M
M12	21	8	16	33	30	30	38	27	14	53	9,5	NS8KL12M
M14	23	8	20	45	42	45	54	38	17	76	13	NS8KL14M
M16	27	8	20	45	42	45	54	38	17	76	13	NS8KL16M
M18	27	8	20	45	42	45	54	38	17	76	13	NS8KL18M
M20	30	8	20	45	42	45	54	38	17	76	13	NS8KL20M
M22	33	14	24	62	55	60	83	55	25	117	19	NS8KL22M
M24	36	14	24	62	55	60	83	55	25	117	19	NS8KL24M
M27	40	14	24	62	55	60	83	55	25	117	19	NS8KL27M
M30	45	14	24	62	55	60	83	55	25	117	19	NS8KL30M

*Items marked with an asterisk delivery in approx. 2 weeks

WLL

Size									Torque Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0-45°	WLL t 45-60°	WLL t 0-45°	WLL t 45-60°	
M4	0,050	0,050	0,10	0,10	0,07	0,050	0,105	0,050	2
M5	0,075	0,075	0,15	0,15	0,10	0,075	0,158	0,075	3
M6	0,10	0,10	0,20	0,20	0,14	0,10	0,210	0,10	4
M8	0,30	0,30	0,60	0,60	0,40	0,30	0,60	0,30	5
M10	0,60	0,60	1,20	1,20	0,80	0,60	1,30	0,60	10
M12	1,00	1,00	2,00	2,00	1,40	1,00	2,10	1,00	15
M14	1,30	1,30	2,60	2,60	1,80	1,30	2,70	1,30	30
M16	1,60	1,60	3,20	3,20	2,20	1,60	3,40	1,60	50
M18	2,00	2,00	4,00	4,00	2,80	2,00	4,20	2,00	70
M20	2,50	2,50	5,00	5,00	3,50	2,50	5,30	2,50	100
M22	3,00	3,00	6,00	6,00	4,20	3,00	6,30	3,00	120
M24	4,00	4,00	8,00	8,00	5,60	4,00	8,40	4,00	160
M27	5,00	5,00	10,00	10,00	7,00	5,00	10,50	5,00	200
M30	6,30	6,30	12,60	12,60	8,80	6,30	13,20	6,30	250

Ask also for bigger sizes, inch-threaded and stainless steel models!



INCH-THREADED BOLTABLE LIFTING EYE WITH SWIVEL FOR ALL LIFTING DIRECTIONS, GRADE 8

- grade 8
- inch-threaded
- lifting in all positions
- eye tuns to the direction of the force
- powder coated surface
- safety factor 4 : 1

Size	L1	S	A	B	C	D	Weight	Product code
	mm	mm	mm	mm	mm	mm	kg	
UNC 3/8"	16	4	30	34	60	57	0,24	NS8R3/8
UNC 1/2"	21	4	30	34	60	57	0,24	NS8R1/2
UNC 5/8"	27	8	38	45	90	78	0,80	NS8R5/8
UNC 3/4"	30	8	38	45	90	78	0,80	NS8R3/4
UNC 1"	36	14	58	70	134	115	2,60	NS8R1
UNC 1"1/4	45	14	58	70	134	115	2,60	*NS8R114
UNC 1"1/2	62	14	88	94	190	166	8,00	*NS8R112

*Items marked with an asterisk delivery in approx. 2 weeks

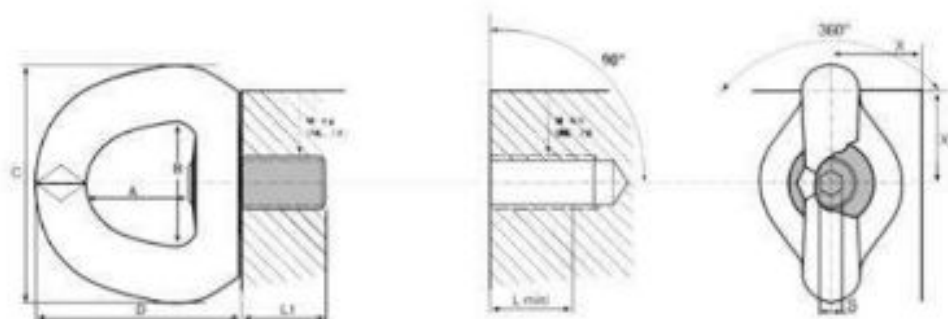


WLL (lbs)

Size									Torque max. foot lbs.
	WLL lbs	WLL lbs	WLL lbs	WLL lbs	WLL lbs 0 - 45°	WLL lbs 45 - 60°	WLL lbs 0 - 45°	WLL lbs 45 - 60°	
UNC 3/8"	1200	1200	2400	1200	1680	1200	2520	1200	8 F.L
UNC 1/2"	2200	2200	4400	2200	3080	2200	4620	2200	12 F.L
UNC 5/8"	3800	3800	7600	3800	5320	3800	7980	3800	40 F.L
UNC 3/4"	5500	5500	11000	5500	7700	5500	11550	5500	80 F.L
UNC 1"	10000	10000	20000	10000	14000	10000	21000	10000	125 F.L
UNC 1"1/4	14000	14000	28000	14000	19600	14000	29400	14000	200 F.L
UNC 1"1/2	20000	20000	40000	20000	28000	20000	42000	20000	300 F.L

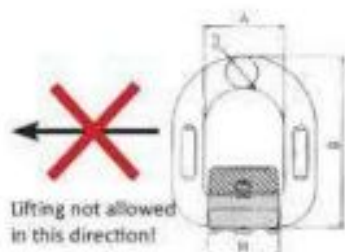
WLL (t)

Size									Torque max. Nm
	WLL t	WLL t	WLL t	WLL t	WLL t 0 - 45°	WLL t 45 - 60°	WLL t 0 - 45°	WLL t 45 - 60°	
UNC 3/8"	0,544	0,544	1,089	0,544	0,762	0,544	1,143	0,544	10,8464
UNC 1/2"	0,998	0,998	1,996	0,998	1,397	0,998	2,096	0,998	16,2696
UNC 5/8"	1,724	1,724	3,447	1,724	2,413	1,724	3,620	1,724	54,232
UNC 3/4"	2,495	2,495	4,990	2,495	3,493	2,495	5,239	2,495	108,464
UNC 1"	4,536	4,536	9,072	4,536	6,350	4,536	9,526	4,536	169,475
UNC 1"1/4	6,350	6,350	12,701	6,350	8,891	6,350	13,336	6,350	271,16
UNC 1"1/2	9,072	9,072	18,144	9,072	12,701	9,072	19,051	9,072	406,74




WELD-ON LIFTING POINT FOR ALL LIFTING DIRECTIONS, GRADE 8

- grade 8
- lifting in all positions
- powder coated surface
- equipped with a spring that holds the eye in desired position
- safety factor 4 : 1



A	B	D	M	Weight	Product code
mm	mm	mm	mm	kg	
41,0	78,5	13,0	37,0	0,40	NS8HI1
42,0	88,0	14,0	40,0	0,47	NS8HI2
45,0	94,0	17,0	42,5	0,69	NS8HI3
55,0	118,0	22,0	50,0	1,46	NS8HI5
70,0	141,0	26,5	66,5	2,50	NS8HI8
97,0	188,0	34,0	90,0	5,79	NS8HI15

WLL

Product code	 WLL t	 WLL t	 WLL t	 WLL t	 WLL t 0-45°	 WLL t 45-60°	 WLL t 0-45°	 WLL t 45-60°
NS8HI1	1,12	1,12	2,24	2,24	1,50	1,12	2,35	1,68
NS8HI2	2,00	2,00	4,00	4,00	2,80	2,00	4,20	3,00
NS8HI3	3,15	3,15	6,30	6,30	4,25	3,15	6,61	4,75
NS8HI5	5,30	5,30	10,60	10,60	7,10	5,30	11,13	7,95
NS8HI8	8,00	8,00	16,00	16,00	11,20	8,00	16,80	12,00
NS8HI15	15,00	15,00	30,00	30,00	21,20	15,00	31,50	22,50

WELD-ON LIFTING POINT, GRADE 8

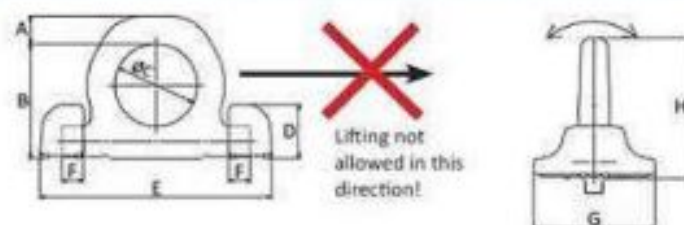
- grade 8
- with two welding points
- powder coated surface
- safety factor 4 : 1



A	B	C	D	E	F	G	H	Weight	Product code
mm	mm	mm	mm	mm	mm	mm	mm	kg	
14	65	48	29	134	14	60	79	0,73	NS8J04
20	83	60	39	169	16	88	103	1,80	NS8J06
22	96	65	48	196	19,5	98	118	3,00	NS8J10
31	126	90	55	264	29	127	155	5,75	NS8J16
42	175	130	79	371	45	157	217	16,00	NS8J30

WLL

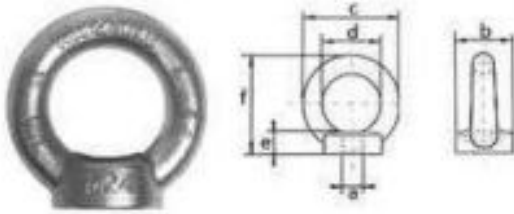
Product code	 WLL t	 WLL t	 WLL t	 WLL t	 WLL t 0-45°	 WLL t 45-60°	 WLL t 0-45°	 WLL t 45-60°
NS8J04	4,00	4,00	8,00	8,00	5,60	4,00	8,40	6,00
NS8J06	6,70	6,70	13,40	13,40	9,38	6,70	14,10	10,10
NS8J10	10,00	10,00	20,00	20,00	14,00	10,00	21,10	15,00
NS8J16	16,00	16,00	32,00	32,00	22,40	16,00	33,60	24,00
NS8J30	30,00	30,00	60,00	60,00	42,00	30,00	63,00	45,00



STAINLESS STEEL LIFTING EYE FOR VERTICAL LIFTS

LIFTING EYE NUT DIN 582

- polished surface
- material AISI 316



Size	b	c	d	e	f	Weight kg/ 100 pc	Product code
a	mm	mm	mm	mm	mm		
M6	20,0	36,0	20,0	8,5	36,0	5,0	NSMH06L
M8	20,0	36,0	20,0	8,5	36,0	5,0	NSMH08L
M10	25,0	45,0	25,0	10,0	45,0	9,0	NSMH10L
M12	30,0	54,0	30,0	11,0	53,0	16,0	NSMH12L
M16	35,0	63,0	35,0	13,0	62,0	24,0	NSMH16L
M20	39,0	71,0	39,0	14,0	70,0	36,0	NSMH20L

Other sizes also available.

LIFTING EYE SCREW DIN 580

- polished surface
- material AISI 316



Size	b	c	d	e	f	g	Weight kg/ 100 pc	Product code
a	mm	mm	mm	mm	mm	mm		
M6	20,0	36,0	20,0	13,0	6,0	36,0	6,0	NSRH06L
M8	20,0	36,0	20,0	13,0	6,0	36,0	6,0	NSRH08L
M10	25,0	45,0	25,0	17,0	8,0	45,0	11,0	NSRH10L
M12	30,0	54,0	30,0	20,5	10,0	53,0	18,0	NSRH12L
M16	35,0	63,0	35,0	27,0	12,0	62,0	28,0	NSRH16L
M20	39,0	71,0	39,0	30,0	14,0	70,0	45,0	NSRH20L

Other sizes also available.

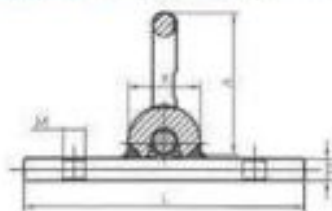
Size	WLL	WLL	WLL	WLL	WLL	WLL	WLL	WLL
	t	t	t	t	t	t	t	t
					0-45°	45-90°	0-45°	45-90°
M6	0,08	not allowed	0,16	not allowed	-	not allowed	-	not allowed
M8	0,14	not allowed	0,28	not allowed	0,10	not allowed	0,14	not allowed
M10	0,23	not allowed	0,46	not allowed	0,17	not allowed	0,23	not allowed
M12	0,34	not allowed	0,68	not allowed	0,24	not allowed	0,34	not allowed
M16	0,70	not allowed	1,40	not allowed	0,50	not allowed	0,70	not allowed
M20	1,20	not allowed	2,40	not allowed	0,86	not allowed	1,20	not allowed

BOLTABLE LIFTING EYE FOR ALL LIFTING DIRECTIONS, GRADE 8

- grade 8
- lifting in all positions
- delivered without bolts
- bolt grade must be min. 8.8
- powder coated surface
- safety factor 4 : 1



WLL	A	B	D	M	L	Weight	Product code
t	mm	mm	mm	mm	mm	kg	
1,00	78,0	40,0	12,0	12,5	155	1,10	NS8PUL1
2,00	80,5	40,0	14,0	14,5	155,0	1,20	NS8PUL2
3,00	94,0	46,5	16,0	16,5	155,0	1,50	NS8PUL3
5,00	118,0	60,0	20,0	22,5	180,0	2,60	NS8PUL5
8,00	141,0	63,0	26,0	26,5	220,0	4,90	NS8PUL8



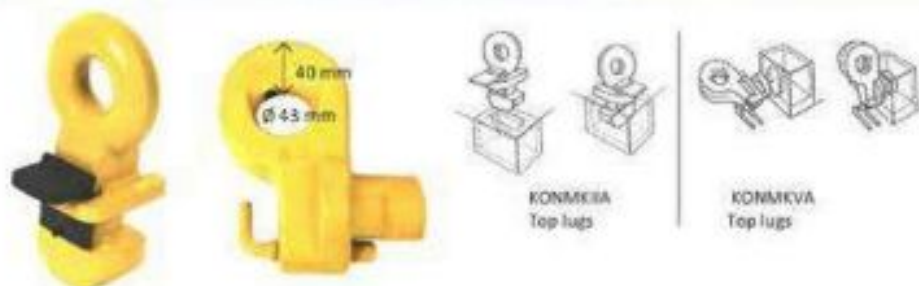
Bolt grade must be min. 8.8.

CONTAINER LIFTING LUG

- grade 8
- three types
- **top lifting lugs** for lifting vertically from the upper part of the container with a lifting frame
- **side lifting lugs** for lifting from the lower corners of the container with max. 50° chain angle
- **multiple lifting lugs** for lifting from the upper or lower corner from the side (multiple lifting lugs do not lock like the other models!)
- delivery includes 4 lifting eyes (for all corners) without shackles
- paint coated
- safety factor 4 : 1

Top lugs / Top lugs

Type	WLL vertical lift t	WLL 36° chain angle t	WLL 50° chain angle t	Weight / set 4 pc kg	Product code
Top lugs	56	-	-	19,2	KONMKIIA
Top lugs	40	40	32	19,2	KONMKVA



Multiple lugs

Type	WLL vertical lift t	WLL 36° chain angle t	WLL 50° chain angle t	Weight / set 4 pc kg	Product code
Multiple lugs	50	50	-	16,2	KONNOSETTI



LIFTING POINT FOR CONCRETE ELEMENTS

- four sizes
- elastic wire rope eye combined with special thread end
- galvanized
- safety factor 4 : 1

Thread	WLL in vertical lift t	WLL in 90° lifting t	Lifting eye length mm	L length mm	Weight kg	Product code
M16	1,5	1,5	140	330	2,0	NSBER16
M20	2,0	2,0	140	330	2,0	NSBER20
M24	2,5	2,5	140	330	2,4	NSBER24
M30	3,0	3,0	140	400	2,6	NSBER30



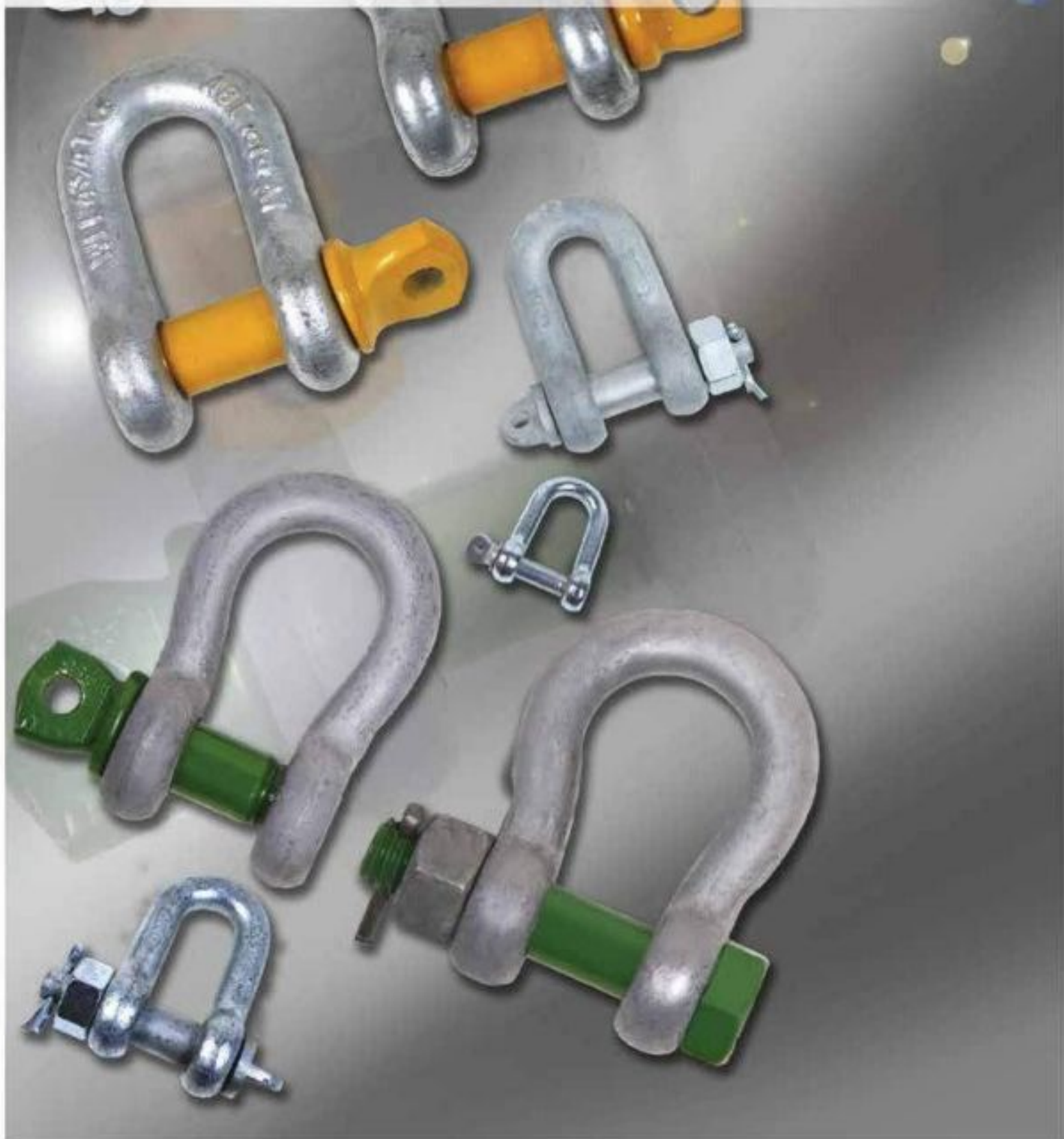
10. Shackles, Swivels and Snatch Block

SAE- / Green pin shackles

Din 82101 shackles

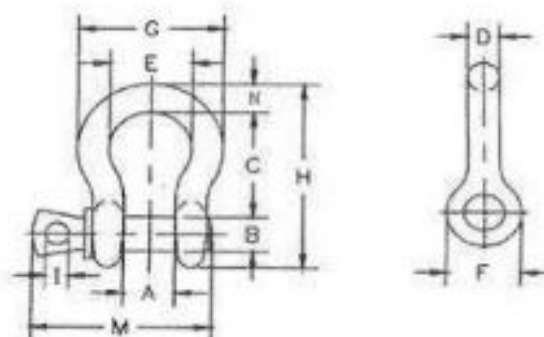
Swivels

Snatch blocks



SCREW PIN BOW SHACKLE G209

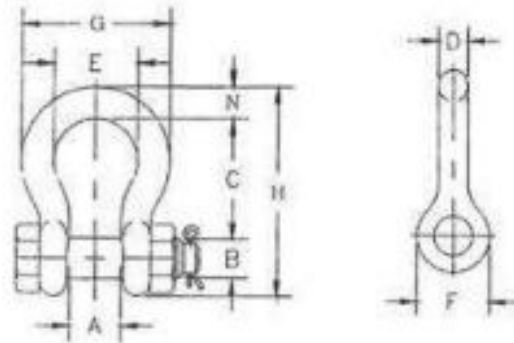
- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1



WLL t	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	M mm	N mm	Weight/ pcs kg	Product code
0,33	9,5	6,5	22,4	5,0	15,0	14,0	25,0	37,5	4,0	28,5	4,5	0,03	SAK03PBP
0,50	12,0	8,0	29,0	6,5	20,0	15,5	32,5	47,0	5,0	35,0	5,1	0,05	SAK05PBP
0,75	13,5	9,5	31,0	8,0	21,5	19,0	37,5	53,0	5,5	42,0	8,0	0,09	SAK07PBP
1,00	17,0	11,0	36,5	9,5	26,0	23,0	45,0	63,0	6,5	51,5	9,5	0,14	SAK10PBP
1,50	19,0	12,5	43,0	11,0	29,5	27,0	51,5	74,0	8,0	60,5	11,0	0,17	SAK15PBP
2,00	20,5	16,0	48,0	12,5	33,5	30,0	58,5	83,5	9,8	68,5	13,0	0,33	SAK20PBP
3,25	27,0	19,0	60,5	16,0	43,0	38,0	74,5	106	11,0	85,0	17,5	0,62	SAK32PBP
4,75	32,0	22,5	71,5	19,0	51,0	46,0	89,0	126	13,0	101	20,5	1,07	SAK47PBP
6,50	36,5	25,5	84,0	22,5	58,0	53,0	102	148	13,0	114	24,5	1,64	SAK65PBP
8,50	43,0	29,0	95,5	25,5	68,5	60,5	119	167	14,0	129	27,0	2,28	SAK85PBP
9,50	46,0	32,0	108	29,5	74,0	68,5	131	190	16,0	142	32,0	3,36	SAK95PBP
12,00	51,5	35,0	119	33	92,5	76,0	146	210	17,5	156	35,0	4,31	SAK120PBP
13,50	57,0	38,0	133	36,0	92,0	84,0	162	233	19,0	174	38,0	6,14	SAK135PBP
17,00	60,5	41,5	146	39,0	98,5	92,0	175	254	20,5	187	41,0	7,80	SAK170PBP
25,00	73,0	51,0	178	47,0	127	106	225	313	25,5	231	57,0	12,60	SAK250PBP
35,00	82,5	57,0	197	53,0	146	122	253	348	31,0	263	61,0	20,40	SAK350PBP
55,00	105	70,0	267	69,0	184	145	327	453	35,0	330	80,0	38,90	SAK550PBP
85,00	127	82,0	330	76,0	200	165	367	546	38,0	490	105	70,00	SAK850PBP

BOLT TYPE BOW SHACKLE G2130

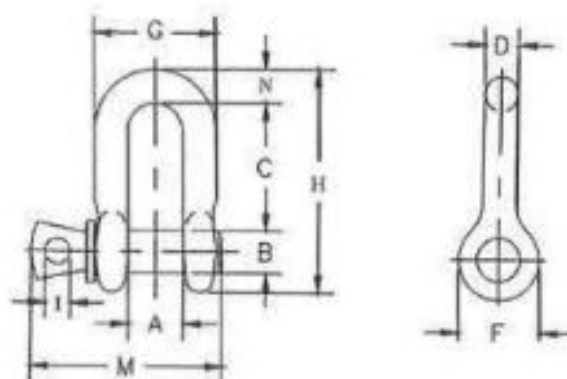
- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1



WLL t	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	N mm	Weight/ pcs kg	Product code
0,50	12,0	8,0	29,0	6,5	20,0	15,5	32,5	47,0	6,5	0,05	SAK05PLBP
0,75	13,5	9,5	31,0	8,0	21,5	19,0	37,5	53,0	8,0	0,10	SAK07PLBP
1,00	17,0	11,0	36,5	9,5	26,0	23,0	45,0	63,0	9,5	0,15	SAK10PLBP
1,50	19,0	13,0	43,0	11,0	29,5	27,0	51,5	74,0	11,0	0,22	SAK15PLBP
2,00	20,5	16,0	48,0	13,0	33,5	30,0	58,5	83,5	13,0	0,36	SAK20PLBP
3,25	27,0	19,0	60,5	16,0	43,0	38,0	74,5	106	17,5	0,76	SAK32PLBP
4,75	32,0	22,5	71,5	19,0	51,0	46,0	89,0	126	20,5	1,23	SAK47PLBP
6,50	36,5	25,5	84,0	22,5	58,0	53,0	102	148	24,5	1,79	SAK65PLBP
8,50	43,0	29,0	95,5	25,5	68,5	60,5	119	167	27,0	2,57	SAK85PLBP
9,50	46,0	32,0	108	28,5	74,0	68,5	131	190	32,0	3,75	SAK95PLBP
12,00	51,5	35,0	119	32,0	82,5	76,0	146	210	35,0	5,31	SAK120PLBP
13,50	57,0	38,0	133	35,0	92,0	84,0	162	233	38,0	7,18	SAK135PLBP
17,00	60,5	41,5	146	38,0	98,5	92,0	175	254	41,0	9,43	SAK170PLBP
25,00	73,0	51,0	178	44,5	127	106	225	313	57,0	15,40	SAK250PLBP
35,00	82,5	57,0	197	51,0	146	122	256	348	61,0	23,70	SAK350PLBP
55,00	105	70,0	267	66,5	184	145	327	453	79,5	44,61	SAK550PLBP
85,00	127	82,5	330	76,0	200	165	365	546	92,0	70,00	SAK850PLBP
120,00	133	95,5	372	92,0	229	203	419	626	105	120,0	SAK1200PLBP
150,00	140	108	368	104	254	229	468	653	116	153	SAK1500PLBP

SCREW PIN DEE SHACKLE G210

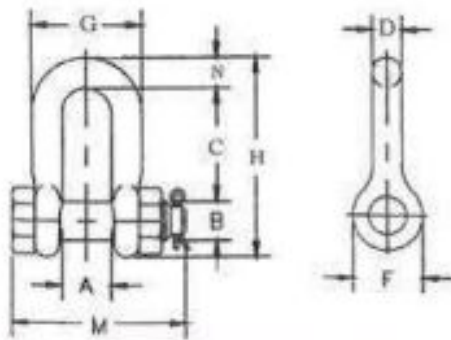
- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1



WLL t	A mm	B mm	C mm	D mm	F mm	G mm	H mm	I mm	M mm	Weight/ pcs kg	Product code
0,33	9,5	6,5	16,0	5,0	14,0	20,0	31,0	4,0	28,5	0,02	SAK03SBP
0,50	12,0	8,0	22,5	6,5	15,5	24,5	40,5	5,0	35,0	0,05	SAK05SBP
0,75	13,5	9,5	26,0	8,0	19,0	29,5	48,5	5,5	42,0	0,08	SAK07SBP
1,00	17,0	11,0	32,0	9,5	23,0	36,0	58,5	6,5	51,5	0,13	SAK10SBP
1,50	19,0	13,0	36,5	11,0	27,0	41,5	67,5	8,0	60,5	0,20	SAK15SBP
2,00	20,5	16,0	41,5	12,5	30,0	46,0	77,0	9,5	68,5	0,27	SAK20SBP
3,25	27,0	19,0	51,0	16,0	37,0	58,5	95,5	11,0	85,0	0,57	SAK32SBP
4,75	32,0	22,5	60,5	19,0	46,0	70,0	115	12,5	101	1,20	SAK47SBP
6,50	36,5	25,5	71,5	22,5	53,0	81,0	135	12,5	114	1,43	SAK65SBP
8,50	43,0	28,5	81,0	25,4	60,5	93,5	151	14,0	129	2,15	SAK85SBP
9,50	46,0	32,0	91,0	28,5	68,5	103	172	16,0	142	3,06	SAK95SBP
12,00	51,5	35,0	100	32,0	76,0	115	191	17,5	156	4,11	SAK120SBP
13,50	57,0	38,0	111	35,0	84,0	127	210	19,0	174	5,28	SAK135SBP
17,00	60,5	41,5	122	38,0	92,0	137	230	20,5	187	7,23	SAK170SBP
25,00	73,0	51,0	146	44,5	106	162	279	25,5	231	12,10	SAK250SBP
35,00	82,5	57,0	172	51,0	122	184	312	31,0	263	19,20	SAK350SBP
55,00	105	70,0	203	66,5	145	238	377	35,0	330	32,50	SAK550SBP

BOLT TYPE DEE SHACKLE G2150

- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1

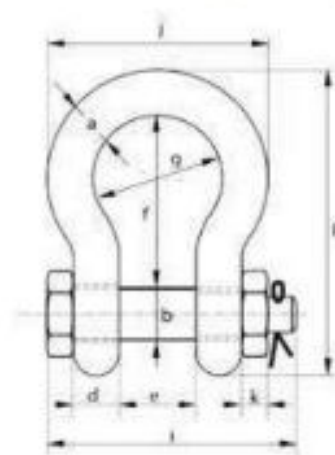
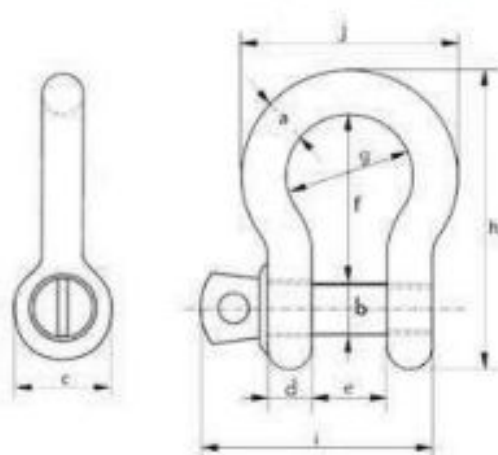
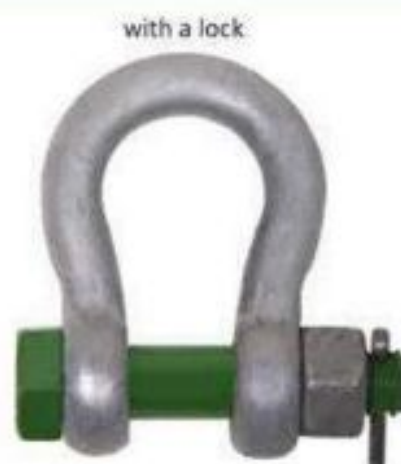


WLL t	A mm	B mm	C mm	D mm	F mm	G mm	H mm	M mm	N mm	Weight/ pcs kg	Product code
0,50	12,0	8,0	19,0	6,5	15,5	24,5	40,5	39,5	6,5	0,06	SAK05SLBP
0,75	13,5	9,5	25,5	8,0	19,0	29,5	48,5	46,0	8,0	0,10	SAK07SLBP
1,00	17,0	11,0	31,0	9,5	23,0	36,0	58,5	55,0	9,5	0,15	SAK10SLBP
1,50	19,0	12,5	36,0	11,0	27,0	41,0	67,5	63,5	11,0	0,22	SAK15SLBP
2,00	20,5	16,0	41,5	12,5	30,0	46,0	77,0	71,0	12,5	0,34	SAK20SLBP
3,25	27,0	19,0	51,0	16,0	38,0	58,5	95,5	89,5	16,0	0,67	SAK32SLBP
4,75	32,0	22,5	60,5	19,0	46,0	70,0	115	103	20,5	1,14	SAK47SLBP
6,50	36,5	25,5	71,5	22,5	53,0	81,0	135	120	24,5	1,74	SAK65SLBP
8,50	43,0	28,5	81,0	25,5	60,5	93,5	151	135	25,5	2,52	SAK85SLBP
9,50	46,0	32,0	91,0	28,5	68,5	103	172	150	32,0	3,45	SAK95SLBP
12,00	51,5	35,0	100	32,0	76,0	115	191	165	35,0	4,90	SAK120SLBP
13,50	57,0	38,0	111	35,0	84,0	127	210	183	38,0	6,24	SAK135SLBP
17,00	60,5	41,5	122	38,0	92,0	137	230	196	41,5	8,39	SAK170SLBP
25,00	73,0	51,0	146	44,5	106	162	279	230	54,0	14,20	SAK250SLBP
35,00	82,0	57,0	172	51,0	122	184	312	264	51,0	21,20	SAK350SLBP
55,00	105	70,0	203	66,5	145	238	377	344	66,5	38,60	SAK550SLBP
85,00	127	82,5	216	76,0	165	279	429	419	89,0	56,00	*SAK850SLBP
120,00	133	95,5	240	92,0	203	320	500	510	102	95,00	*SAK1200SLBP

* Items marked with an asterisk approx. 2-3 weeks delivery

SHACKLES, GREEN PIN® -BOW MODEL

- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1



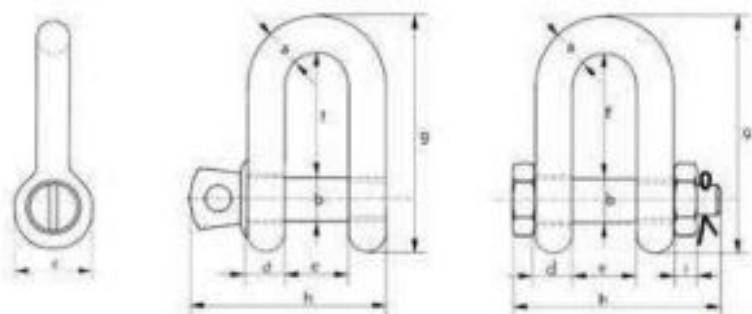
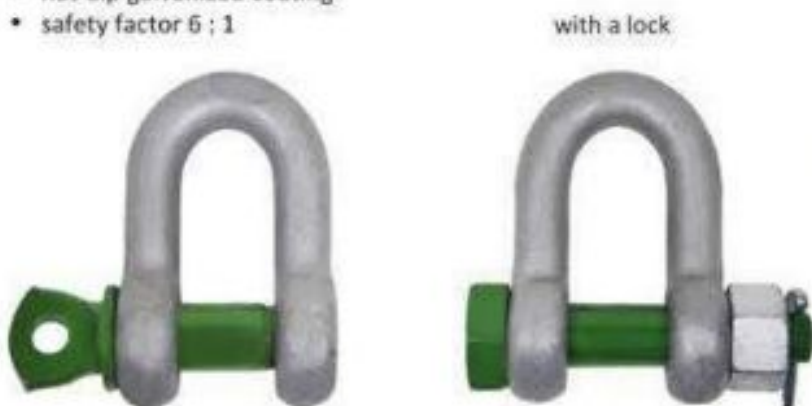
Also larger and special sizes available, e.g. broad mouth and body models. Ask more from our sales!

WLL t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	i mm	i lock mm	j mm	k mm	Weight pcs kg	Weight pcs lock kg	Product code	Product code with a lock
0,33	5	6	12	5	9,5	22	16	36	29,5	-	26	-	0,02	-	*SAK03P	-
0,50	7	8	16,5	7	12	29	20	48,5	38	42	34	4	0,05	0,06	SAK05P	SAK05PL
0,75	9	10	20	9	13,5	32	22	56	46,5	50	40	5	0,10	0,11	SAK07P	SAK07PL
1,00	10	11	22,5	10	17	36,5	26	63,5	54	60	46	8	0,14	0,16	SAK10P	SAK10PL
1,50	11	13	26,5	11	19	43	29	74	59,5	67	51	11	0,19	0,22	SAK15P	SAK15PL
2,00	13,5	16	34	13	22	51	32	89	73	82	58	13	0,36	0,42	SAK20P	SAK20PL
3,25	16	19	40	16	27	64	43	110	89	98	75	17	0,63	0,74	SAK32P	SAK32PL
4,75	19	22	46	19	31	76	51	129	103	114	89	19	1,01	1,18	SAK47P	SAK47PL
6,50	22	25	52	22	36	83	58	144	119	130	102	22	1,50	1,77	SAK65P	SAK65PL
8,50	25	28	59	25	43	95	68	164	137	150	118	25	2,21	2,58	SAK85P	*SAK85PL
9,50	28	32	66	28	47	108	75	185	153	166	131	27	3,16	3,66	SAK95P	*SAK95PL
12,00	32	35	72	32	51	115	83	201	170	178	147	30	4,31	4,91	SAK120P	*SAK120PL
13,50	35	38	80	35	57	133	92	227	186	197	162	33	5,55	6,54	*SAK135P	*SAK135PL
17,00	38	42	88	38	60	146	99	249	203	202	175	19	7,43	8,19	*SAK170P	*SAK170PL
25,00	45	50	103	45	74	178	126	300	243	249	216	23	12,84	14,22	*SAK250P	*SAK250PL
35,00	50	57	111	50	83	197	138	331	272	269	238	26	18,15	19,85	*SAK350P	*SAK350PL
42,50	57	65	130	57	95	222	160	377	310	301	274	29	26,29	28,33	*SAK425P	*SAK425PL
55,00	65	70	145	65	105	260	180	433	344	330	310	32	37,60	39,59	*SAK550P	*SAK550PL
85,00	75	83	162	73	127	329	190	527	-	380	340	39	-	62,00	-	*SAK850PL

*Items marked with an asterisk 1-2 weeks delivery

SHACKLES, GREEN PIN® -STRAIGHT MODEL

- shackles approved for lifting
- hot dip galvanized coating
- safety factor 6 : 1



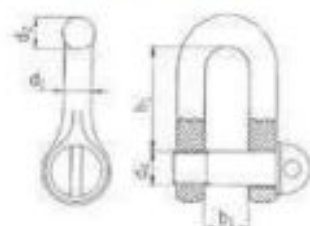
Also larger and special sizes available, e.g. broad mouth and body models. Ask more from our sales!

WLL t	a mm	b mm	c mm	d mm	e mm	f mm	g mm	h mm	h lock mm	i lock mm	Weight pcs kg	Weight pcs lock kg	Product code	Product code with a lock
0,33	5	6	12	5	9,5	19	33	29,5	-	-	0,02	-	SAK03S	-
0,50	7	8	16,5	7	12	22	41,5	38	-	-	0,05	-	SAK05S	-
0,75	9	10	20	9	13,5	26	50	46,5	-	-	0,09	-	SAK07S	-
1,00	10	11	22,5	10	17	32	59	54	-	-	0,14	-	SAK10S	-
1,50	11	13	26,5	11	19	37	68	59,5	-	-	0,19	-	SAK15S	-
2,00	13,5	16	34	13	22	43	81	73	82	13	0,32	0,39	SAK20S	*SAK20SL
3,25	16	19	40	16	27	51	97	89	98	17	0,54	0,67	SAK32S	*SAK32SL
4,75	19	22	46	19	31	59	112	103	114	19	0,87	1,08	SAK47S	*SAK47SL
6,50	22	25	52	22	36	73	134	119	130	22	1,34	1,66	SAK65S	*SAK65SL
8,50	25	28	59	25	43	85	154	137	150	25	2,08	2,46	*SAK85S	*SAK85SL
9,50	28	32	66	28	47	90	167	153	166	27	2,77	3,40	*SAK95S	*SAK95SL
12,00	32	35	72	32	51	94	180	170	178	30	3,72	4,51	*SAK120S	*SAK120SL
13,50	35	38	80	35	57	115	209	186	197	33	5,14	6,10	*SAK135S	*SAK135SL
17,00	38	42	88	38	60	127	230	203	202	19	6,85	7,63	*SAK170S	*SAK170SL
25,00	45	50	103	45	74	149	271	243	249	23	11,45	12,88	*SAK250S	*SAK250SL
35,00	50	57	111	50	83	171	305	272	269	26	16,86	17,35	*SAK350S	*SAK350SL
42,50	57	65	130	57	95	190	345	310	301	29	24,61	25,94	*SAK425S	*SAK425SL
55,00	65	70	145	65	105	203	376	344	330	32	32,65	35,33	*SAK550S	*SAK550SL
85,00	75	83	162	73	127	229	427	380	380	39	-	52,97	-	*SAK850SL

*Items marked with an asterisk 1-2 weeks delivery

SHACKLES DIN 82101

- shackles approved for lifting
- electro galvanized
- safety factor 5 : 1



Also available as hot galvanized and with a lock. Ask for more!

25t and heavier are always equipped with a lock.

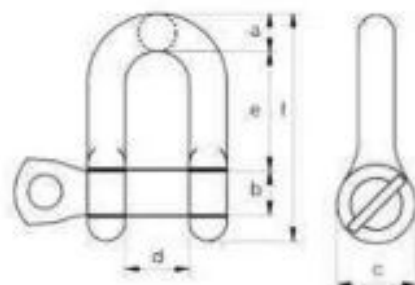


Size d4 mm	WLL t	b1 mm	d1 mm	d2 mm	h1 mm	Package size pc	Weight/ 100pc kg	Product code
5	0,10	7	4	5	15	50	1,7	SAKD0100
6	0,16	8	5	6	18	50	2,4	SAKD0160
8	0,25	11	7	8	24	50	5,4	SAKD0250
10	0,40	14	8	10	30	25	9,7	SAKD0400
12	0,63	17	10	12	36	25	18,0	SAKD0630
16	1,00	21	13	15	49	25	30,0	SAKD1000
20	1,60	27	17	19	61	25	57,0	SAKD1600
22	2,00	30	19	21	67	1	98,0	SAKD2000
24	2,50	33	21	23	73	1	130,0	SAKD2500
27	3,15	38	24	26	84	1	185,0	SAKD3150
30	4,00	42	27	29	91	1	253,0	SAKD4000
36	5,00	47	30	33	111	1	400,0	SAKD5000
39	6,30	53	34	37	120	1	530,0	SAKD6300
45	8,00	60	38	41	140	1	790,0	SAKD8000
48	10,00	66	42	45	147	1	1000,0	SAKD10000
60	16,00	81	52	55	185	1	1920,0	SAKD16000
68	20,00	90	58	60	211	1	2800,0	SAKD20000
72	25,00	100	63	65	221	1	3400,0	SAKD25000L
80	32,00	110	70	75	246	1	4900,0	SAKD32000L
90	40,00	125	80	80	276	1	7500,0	*SAKD40000L
100	50,00	140	88	93	307	1	10000,0	*SAKD50000L

* Items marked with an asterisk approx. 2-3 weeks delivery

Stainless SHACKLES

- shackles approved for lifting d-shackles
- material AISI 316
- safety factor 5 : 1



WLL t	a mm	b mm	c mm	d mm	e mm	f mm	Weight kg	Product code
0,40	8	8	16	16	32	52	0,06	SAKDH0400
0,60	10	10	19	20	40	64	0,12	SAKDH0600
0,90	12	12	24	25	48	78	0,21	SAKDH0900
1,50	13	16	31	24	52	90	0,34	SAKDH1500
2,50	16	20	38	28	64	110	0,61	SAKDH2500
3,00	19	22	44	32	72	124	0,90	SAKDH3000
4,00	22	25	50	37	74	134	1,08	SAKDH4000
6,00	25	30	57	40	94	162	2,25	SAKDH6000

Items have 1-2 weeks delivery

CHAIN SHACKLES

- can be added directly to a lifting chain without a connection link
- paint coated
- safety factor 4 : 1



For chain mm	WLL t	A mm	B mm	D mm	L mm	Weight kg	Product code
7/8	2,00	15	32	9	56	0,14	SAKSA78
10	3,15	21	43	11,5	71	0,27	SAKSA10
13	5,30	25	51	14,5	91	0,50	SAKSA13
16	8,00	30	63	17,5	111	0,89	SAKSA16

SNATCH BLOCKS 0.5 - 5.0T

- one- or two-wheel side opening snatch block for wire rope
- with hook ends
- with slide bearings, with grease nipple or aperture
- powder paint coated
- safety factor 4:1



WLL t	Max wire diam. mm	Wheel diam. mm	L mm	Weight kg	Product code	
					1-wheel	2-wheel
0,5	8	75	225	1,7	VAP050075	-
1,0	10	100	260	3,2	VAP1000100	-
1,5	13	125	310	5,0	VAP1500125	-
2,0	16	150	380	8,3	VAP2000150	-
3,0	19	180	415	12,0	VAP3000180	VAP30180K2
4,0	22	200	480	18,0	VAP4000200	VAP40200K2
5,0	25	250	585	27,0	VAP5000250	VAP50250K2

Other sizes also available with 3-4 weeks delivery.

SNATCH BLOCKS 4.0 - 22.0T

- 1-wheel side opening heavy duty steel block for wire rope
- with hook or shackle end
- ball bearing, with grease nipple (4t model with slide bearing)
- safety factor 4:1

WLL t	Max wire diam. mm	Wheel diam. mm	L mm	Weight kg	Product code	
					with hook	with shackle
4	16 - 18	150	390	6	VAP4150K	VAP4150S
8	20 - 22	200	505	16	VAP8200K	VAP8200S
12	24 - 26	300	730	32	-	VAP12300S
22	28 - 32	360	910	89	-	VAP22360S

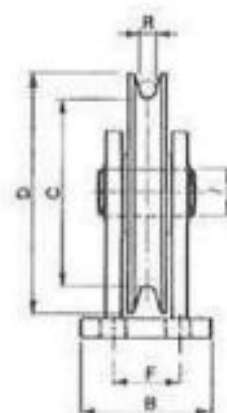
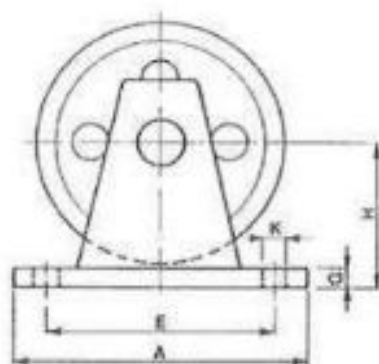
Other sizes also available with 3-4 weeks delivery.



PULLEY WITH BASE

- one-wheel pulley block with base attachment
- slide bearings
- electro galvanized / ground coating
- safety factor 4:1

WLL t	Max wire diam. mm	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	K mm	Weight kg	Product code
0,5	8	120	60	78	100	90	30	8	60	20	10	1,5	VAP05JAL
1,0	10	140	60	98	125	110	35	10	77	25	12	2,4	VAP10JAL
2,0	12	180	80	118	150	140	40	12	92	30	14	4,5	VAP20JAL
3,0	16	230	100	160	200	180	50	15	120	35	18	8,2	VAP30JAL
5,0	20	320	120	225	275	260	60	20	165	40	23	18,0	VAP50JAL



PULLEY WHEEL

- one-wheel pulley with slide bearings
- ground coating
- safety factor 4 : 1

WLL t	Max wire diam. mm	Wheel diam. mm	Axel diam. mm	Weight kg	Product code
0,5	8	100	20	0,8	VAPY05
1,0	10	125	25	1,5	VAPY10
2,0	12	150	30	3,0	VAPY20
3,0	16	200	35	6,0	VAPY30
5,0	20	275	40	13,0	VAPY50



11. Lashing systems. Truck body building equipment and accessories

Lashing systems and accessories

Webbings and ratchets

Winches

Anti-slip mats

Cargo and rope nets

Towing slings

Load supporting / binders

Loading beams & connectors

Truck body building p. 11-23

Crane lifting bases p. 11-51



LASHING SYSTEM LC 400 KG ECONOMY

- for light lashing in trailers, roof racks etc.
- E-LS0408_0500AA_YE12 model has steel double J-hooks
- E-LS0408_0500AS_BL12 model has plastic covered hook with a latch fitting well to lashing e.g. motorcycles
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Packing size pc / box	Product code
2 part, yellow	Bag	400	800	0,4 + 4,6	25	50	E-LS0408_0500AA_YE12
2 part, blue	Loose	400	800	0,3 + 4,7	25	50	E-LS0408_0500AS_BL12



E-LS0408_0500AA_YE12



E-LS0408_0500AS_BL12

LASHING SYSTEM LC 500 KG

- for light lashing in trailers, roof racks etc..
- standard end fitting steel double J-hooks
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	500	1000	0,4 + 4,6	25	45	E-LS0510_0500BA_BK15
1 part	Loose	500	1000	5,0	25	45	E-LE0510_0500B_BK15
2 part, stainless	Loose	500	1000	0,4 + 4,6	25	45	E-LS0510_0500BsA_BK15



E-LE0510_0500B_BK15
- 1 part
- ratchet with webbing



E-LS0510_0500BA_BK15
- 2 part
- ratchet + webbing end



E-LS0510_0500BsA_BK15
- 2 part
- Stainless ratchet + hooks

LASHING SYSTEM LC 1000 KG

- for light lashing in vans, trailers etc.
- standard end fitting steel double J-hooks
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	1500	2500	0,5 + 5,5	35	25	E-LS1530_0600DD_OR45
1 part	Loose	1500	2500	6,0	35	25	E-LE1530_0600D_OR45
2 part stainless	Loose	1500	2500	0,5 + 5,5	35	25	E-LS1530_0600DsD_OR45

E-LE1530_0600D_OR45
- 1 part
- ratchet with webbing



E-LS1530_0600DD_OR45
- 2 part
- ratchet + webbing end



E-LS1530_0600DsD_OR45
- 2 part
- Stainless ratchet + hooks

LASHING SYSTEM LC 1700 KG

- for normal lashing in trucks
- standard end fitting steel double J-hooks
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	1700	4000	0,5 + 9,5	50	10	E-LS1640_1000PI_BL48
1 part	Loose	1700	4000	10,0	50	10	E-LE1640_1000P_BL48
2 part stainless	Loose	1500	4000	0,5 + 9,5	50	10	E-LS1640_1000Psi_BL48
2 part, Ergo-Ratchet	Loose	1700	4000	0,5 + 9,5	50	10	E-LS1640_1000XI_BL48

E-LE1640_1000P_BL48
- 1 part
- ratchet with webbing



E-LS1640_1000PI_BL48
- 2 part
- ratchet + webbing end



E-LS1640_1000Psi_BL48
- 2 part
- Stainless ratchet + hooks
- LC 1500 kg



E-LS1640_1000XI_BL48
- 2 part
- With downward
tightening Ergo-ratchet

LASHING SYSTEM LC 2000 KG

- for normal lashing in trucks
- standard end fitting steel double J-hooks
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	2000	5000	0,5 + 9,5	50	10	E-LS2050_1000PJ_OR60
1 part	Loose	2000	5000	10,0	50	10	E-LE2050_1000P_OR60
2 part, Ergo-Ratchet	Loose	2000	5000	0,5 + 9,5	50	10	E-LS2050_1000XJ_OR60



E-LS2050_1000PJ_OR60
- 2 part
- ratchet + webbing end



E-LE2050_1000P_OR60
- 1 part
- ratchet with webbing



E-LS2050_1000XJ_OR60
- 2 part
- With downward
tightening Ergo-ratchet

LASHING SYSTEM LC 2500 KG

- for lashing heavy items in trucks
- standard end fitting steel double J-hooks
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	2500	5000	0,5 + 9,5	50	10	E-LS2550_1000PJ_OR60
1 part	Loose	2500	5000	10,0	50	10	E-LE2550_1000P_OR60
2 part, Ergo-Ratchet	Loose	2500	5000	0,5 + 9,5	50	10	E-LS2550_1000XJ_OR60



E-LS2550_1000PJ_OR60
- 2 part
- ratchet + webbing end



E-LE2550_1000P_OR60
- 1 part
- ratchet with webbing



E-LS2550_1000XJ_OR60
- 2 part
- With downward
tightening Ergo-ratchet

LASHING SYSTEM LC 3000 KG

- for lashing heavy items
- "Extra heavy" gear lock clamp
- standard end fitting steel double J-hooks
- duplex 50 mm webbing, material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	3000	6000	0,5 + 9,5	50	1	E-LS3060_1000ZJ_BL75



LASHING SYSTEM LC 4300 KG

- for lashing extremely heavy items on boats and carriages etc.
- standard end fittings steel double J-hooks
- webbing material 100 % polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	5000	10000	0,5 + 5,5	75	1	E-LS5010_0600GG_YE150



LASHING SYSTEM LC 6000 KG

- for lashing super heavy items on boats and carriages etc.
- forged hooks as standard end fittings
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	6000	12000	0,5 + 5,5	100	1	E-LS6012_0600GH_GR100



LASHING SYSTEM LC 5800 / 7000 KG

- for lashing super heavy items on boats and carriages etc.
- Length 0,5 + 2,0 m
- forged hooks as standard end fittings
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	5800	15000	0,5 + 2,0	60	1	E-LS5815_0250FF_GR60
2 part	Loose	7000	20000	0,5 + 2,0	60	1	E-LS7020_0250FF_GR60



Ratchet mechanism
SIVKI28



ROLLO - LASHING SYSTEM

Ratchet tie down that is very easily operated especially due to automatical rewinding mechanism. Thanks to the mechanism, webbings do not strangle anymore.

Is suitable for lashing in transporters, trailers, boat trailers, vans or any equivalent.

Clamp can be bolted on the floor

Package	LC kg	Breaking strength kg	Length m	Band width mm	IP-Package size pc / Bag	Package size pc / box	Weight kg	Product code
Loose	250	500	3,0	25	-	24	0,75	ROLLO253
Loose	600	1200	0,5 + 2,7	50	-	12	1,45	ROLLO503
Bag	250	500	3,0	25	2	12	0,95	ROLLO253IP2
Bag	600	1200	0,5 + 2,7	50	1	10	1,65	ROLLO503IP1



STRAPULLI PULLING AND LIFTING WINCH LC 1000 KG

- the webbing goes through ratchet so that it can be used for lashing and as pulling/lifting winch
- steel double wire hooks with latch as standard end fittings
- webbing material 100% polyester
- handy pulling winch for motor sledges, vehicles etc.

Type	Package	LC kg	WLL nostossa kg	Breaking strength kg	Length m	Band width mm	Product code
2 part	Bag	1000	200	2500	5,0	35	STRAP1500
2 part	Loose	1000	200	2500	10,0	35	STRAP150010



TRACK LASHING SYSTEM, LC 1000 KG

- for lashing from tracks of enclosed body trucks
- gear lock clamp
- standard end fitting steel double J-hooks
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	1000	2000	1,0 + 3,0	45	25	E-LS1020_0400BB_BL45
2 part	Loose	1000	2000	1,0 + 5,0	45	20	E-LS1020_0600BB_BL45
2 part	Loose	500	1000	1,0 + 3,0	45	20	E-LS0510_0400BB_BL45
2 part	Loose	500	1000	1,0 + 5,0	45	1	E-LS0510_0600BB_BL45



E-LS1020_0400BB_BL45 and E-LS1020_0600BB_BL45 straps the hook opening is 25 mm and in E-LS0510_0400BB_BL45 and E-LS0510_0600BB_BL45 straps 17 mm.

TRACK LASHING SYSTEM, LC 1000 KG

- for lashing from tracks of enclosed body trucks
- over-centre buckle "TENDEX"
- standard end fitting steel double J-hooks
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Package size pc / box	Product code
2 part	Loose	1000	3000	1,0 + 3,0	45	20	E-LS1030_0400WJ_BL45
2 part	Loose	1000	3000	1,0 + 5,0	45	1	E-LS1030_0600WJ_BL45



CAR LASHING SYSTEM LC 1000 KG

- for lashing a car on a car trailer
- lashing over wheels
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Product code
2 part	Loose	1000	3000	0,5 + 2,0	35	E-LS1030_0250DO_OR35



CAR LASHING SYSTEM LC 1500 KG

- for lashing a car on a car trailer
- the hooks can be fitted directly to the trailer holes
- lashing over wheel in the same direction
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Product code
2 part	Loose	1500	4000	0,3 + 1,5	50	E-LL1540_0180PJ_BLS0



CAR LASHING SYSTEM, LC 1500 KG

- for lashing a car on a car trailer
- the hooks can be fitted directly to the trailer holes
- the hook is directly attached to the ratchet
- rubber stop plate against the wheel reeved with the step of the lashing's long part
- webbing material 100% polyester

Type	Package	LC kg	Breaking strength kg	Length m	Band width mm	Product code
2 part	Loose	1500	4000	0,5 + 1,5	50	E-LL1540_0200PJ_BLS0



LASHING SYSTEM FOR TRAILERS

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

Type	Package	Breaking strength straight kg	Length m	Band width mm	Product code
2 part	Loose	10000	0,5 + 2,5	50	E-L55010_0300GL_OR50



TRAILER LASHING SYSTEM

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

Type	Package	Breaking strength straight kg	Length m	Band width mm	Product code
2 part	Loose	20000	0,5 + 2,0	75	E-LS1020_0250GM_YE75



WEBBING WITH A TRIANGULAR END

- with triangular end

LC kg	Length m	Band width mm	Product code
2500	12,0	50	E-LD2550_1200T_OR75

Other Lengths and sizes also available!



A ROLLER FOR WEBBING

- a handy tool for rolling lashing webbings
- due to gliding rolls no hand guiding is needed
- saves truly a lot of work time
- Weight 0,8 kg

Product code: RULLARIMT





Easy and fast, removes the need of climbing. Easy protection against accidents

Made of aluminium, Secu-stick is the tool for removing and installing the vertical supporting beams of the load/deck area of the plastic covered truck. It makes it easier to install corner protectors in high target areas.

The driver is no longer obliged to climb - the stick is fully operationable from the ground level, with significantly lower risk of causing accidents or injuries.

Secu-Stick is equipped with a telescopic arm, and corner protectors mounting device.

Adjustment-height	Weight	Product code
mm	kg	
860 - 1720	0,54	SECU



LASHING STRAPS

- For bundling and lashing for different purposes from industry to hobbies
- webbing width 25 mm
- webbing material 100% polyester
- also available in other lengths and end fittings eg. 35 and 50 mm webbing

Package	Colour	Length m	Package size pc / box	Product code
Loose	black	0,5	100	SVPL25005M
	red	1,0	100	SVPL2501P
	black	1,5	100	SVPL25015M
	orange	2,0	100	SVPL2502O
	blue	3,0	100	SVPL2503S
	black	4,0	-	SVPL2504M
	black	5,0	50	SVPL2505M
IP packed 2 pc/bag	red	1,0	100	SVPL2501IPV
	orange	2,0	100	SVPL2502IPV
	blue	3,0	50	SVPL2503IPV
	black	5,0	50	SVPL2505IPV



ASSORTMENT



- 8 pc / 1,0 m red
- 8 pc / 2,0 m orange
- 8 pc / 3,0 m blue
- 8 pc / 5,0 m black

Product code: SVPL250LABT

RETAIL SHOWCASE

Also a handy retail showcase available for IP-packed lashing straps with snap locks and small lashing straps (SV100052 / SV100052EC, page 11-3), ask more from our sales!

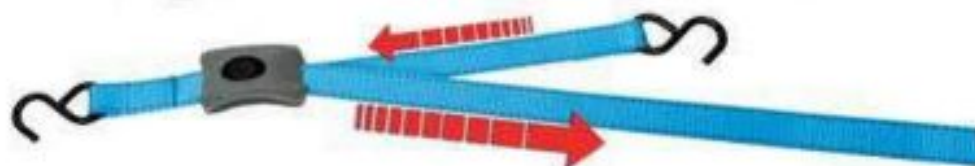


LASHING SYSTEM WITH A QUICK LOCK



- easy and quick to use lashing system with a snap lock function
- tightening by pulling the strap and release by pressing a button on the snap lock

Breaking strength	Band width	Length	Package size pc / box	Product code
kg	mm	m		
500	25	2,5	16	SVPLU525



ANTI-SLIP MAT

- for transportations to e.g. under a pallet to reduce the gliding of the transported goods and to reduce the need to lash the cargo, so that fewer and less strong lashing systems can be utilized
- is suitable to almost all materials and does not stick
- rubber granulate made from recycled materials
- coefficient of friction approx. min. 0.81 - wooden pallet and truck floor (VDI 2700 Sheet 14 - Draft)
- operating temperature -30 °C - +100 °C
- is sold in full rolls

Width 1250 mm

Mat thickness	Roll Length	Loading strength	Tensile strenght	Product code
mm	m	t/m ²	N/mm ²	
3	20	125,0	0,6	KITMA3R
5	12	170,0	0,6	KITMA5R
6	10	170,0	0,6	KITMA6R

Fixed lenght mats also available, ask for more!



Width 300 mm

Mat thickness	Roll Length	Loading strength	Tensile strenght	Product code
mm	m	t/m ²	N/mm ²	
3	20	125,0	0,6	KITMA3R300



Pieces

Mat thickness	Piece size	Loading strength	Tensile strenght	Packing size	Product code
mm	mm	t/m ²	N/mm ²	pc/nippu	
5	250 x 250	170,0	0,6	20	KITMA5250

NEW



LASHING STRAP END FITTINGS

Double J hooks



LC code	Webbing width	Product
800 kg	25 mm	KO25016
1500 kg	35 mm	KO3503
2500 kg	50 mm	KO5005
5000 kg	75 mm	KO7510

Stainless Double J hooks



LC	Webbing width	Product code
400 kg	25 mm	KO25008RT
1000 kg	35 mm	KO3503RT
1500 kg	50 mm	KO5004RT

Triangle hooks



LC	Webbing width	Product code
1250 kg	35 mm	KOK35025
1500 kg	50 mm	KOK503
2500 kg	50 mm	KOK505

Track hooks



LC code	Webbing width	Product
500 kg	50 mm	KOKI5016
1000 kg	50 mm	KOKI5020
800 kg	50 mm	KIKL5002

Snap hooks



LC	Webbing width	Product code
1250 kg	25 mm	KOKS2502
2500 kg	45 mm	KOKS45
2500 kg	50 mm	KOKS505S
2500 kg	50 mm	KOKS505K

Elephant hooks



LC	Product code
10000 kg	ELV20
12000 kg	ELH20
10000 kg	ELS20

Combi track end



LC	Webbing width	Product code
750 kg	50 mm	COM5002



Double J hooks with safety latch

LC	Webbing width	Product code
1500 kg	35 mm	KOSA353IXI
2500 kg	50 mm	KOSA505IXI

Close rave-, claw-, flat hooks



LC	Webbing width	Product code
1000 kg	50 mm	KOPAL20
2500 kg	50 mm	KOPAL50
1250 kg	50 mm	KOPAL25

Winch hooks



LC	Product code
1000 kg	VINSKOU
1750 kg	VINSKOU35

Latch hooks



LC	Webbing width	Product code
2500 kg	50 mm	KOSA5005
1000 kg		SALKES000LBS

Strap hooks



LC code	Webbing width	Product
6500 kg	65 mm	KO6512
7500 kg	65 mm	KO6515
10000 kg	65 mm	KO6520
		- with a swivel

Triangle and ring ends



LC code	Webbing width	Product
750 kg	25 mm	KOL2501
750 kg	35 mm	KOL3503
2500 kg	50 mm	KOL5005
2500 kg	50 mm	KOL5005L
2500 kg	50 mm	KOL5005R
3000 kg	50 mm	KOL5006LH
10000 kg	60/75 mm	KOL7515
6000 kg	60/75 mm	KOL7512
2250 kg	50 mm	RESVAU
	50 mm	RESV1100

LASHING STRAP END FITTINGS

Special ends to airplane and vertical track

	LC 900 kg	Product code EP18 + KIP1800
	1250 kg	EP25 (without loop)
	1150 kg	EP25E (round loop)
	1150 kg	EP26 (oval loop)
	2000 kg	EP50 (oval loop)

Double J hook with tube

LC	Webbing width	Product code
1500 kg	35 mm	KOS3503
2500 kg	50 mm	KOSS005
1500 kg	35 mm	KO35031
2500 kg	50 mm	KOSS0031

Double J hook with a swivel to ratchet and strap

Attached directly to ratchet		
LC	Webbing width	Product code
1500 kg	35 mm	KOSL3503
1500 kg	50 mm	KOSL5003
Attached directly to strap		
1500 kg	35 mm	KOSL3503N
1500 kg	50 mm	KOSL5005N

RATCHETS



Product code: SVKI800
LC 400, 25 mm webbing



Product code: SVKI800R
RST, LC 400 kg, 25 mm webbing



Product code: SVKI1600
LC 750 kg, 25 mm webbing



Product code: SVKI1100
LC 1000 kg, 50 mm webbing



Product code: SVKI1100T
LC 1000 kg, 45 mm webbing



Product code: SVKI1100
LC 1000 kg, 45 mm webbing



Product code: SVKI1500R
RST, LC 1000 kg, 35 mm webbing



Product code: SVKI1500
LC 1250 kg, 35 mm webbing



Product code: SVKI1500A
LC 1500 kg, 35 mm webbing



Product code: SVKI2000RL
RST, LC 1500 kg, 50 mm webbing



Product code: SVKI2000R
RST, LC 1500 kg, 50 mm webbing



Product code: SVKI2000L
LC 2500 kg, 50 mm webbing



Product code: SVKI2035
LC 2500 kg, 50 mm webbing



Product code: SVKI2035HJK
LC 2500 kg, 50 mm webbing



Product code: SVKI3000
LC 3000 kg, 50 mm webbing



Product code: SVKI2235P
LC 2500 kg, 50 mm webbing



Product code: SVKI2035ERGO
LC 2500 kg, 50 mm webbing



Product code: SVKI7000
LC 5000 kg, 75 mm webbing



Product code: SVKI9000
LC 5000 kg, 100 mm webbing

SNAP LOCK ENDS



Product code: SVPL250LU
breaking strength: 250 kg
25 mm webbing



Product code: SVPL400LU
breaking strength: 450 kg
25 mm webbing



Product code: SVPL600LU
breaking strength: 600 kg
25 mm webbing



Product code: SVPL1100LU
breaking strength: 600 kg
35 mm webbing



Product code: SVPL1500LU
breaking strength: 1000 kg
50 mm webbing

POLYESTER WEBBING 25 - 45 mm

- webbing are sold in full 100m rolls



Red
Product code: PEH2514PUN
Breaking strength: 1200 kg
Width: 25 mm



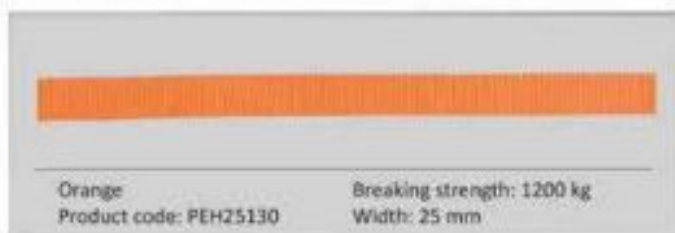
Nato-green
Product code: PEH2514NATO
Breaking strength: 1200 kg
Width: 25 mm



Black
Product code: PEH25014MU
Breaking strength: 1200 kg
Width: 25 mm



White
Product code: PEH251400V
Breaking strength: 1200 kg
Width: 25 mm



Orange
Product code: PEH25130
Breaking strength: 1200 kg
Width: 25 mm



Grey
Product code: PEH25140HA
Breaking strength: 1200 kg
Width: 25 mm



Grey
Product code: PEH303
Breaking strength: 3000 kg
Width: 35 mm



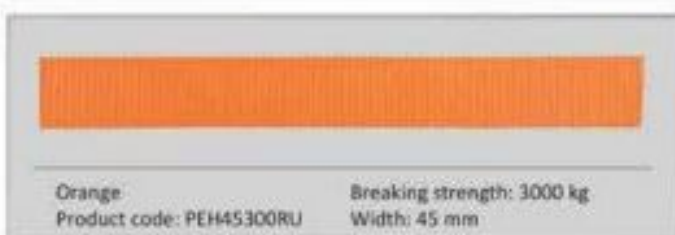
Nato-green
Product code: PEH3530NATO
Breaking strength: 3000 kg
Width: 35 mm



White
Product code: PEH3530V
Breaking strength: 3000 kg
Width: 35 mm



Orange
Product code: PEH35300RU
Breaking strength: 3000 kg
Width: 35 mm




Orange
Product code: PEH45300RU
Breaking strength: 3000 kg
Width: 45 mm



Blue
Product code: PEH45KELA
Breaking strength: 3000 kg
Width: 45 mm

POLYESTER WEBBING 50 - 300 mm

- webbing are sold in full 100m rolls



Blue
Product code: PEH50500RU
Breaking strength: 5000 kg
Width: 50 mm



Grey
Product code: PEH5060
Breaking strength: 6000 kg
Width: 50 mm



Violet
Product code: PEH50430K
Breaking strength: 5000 kg
Width: 50 mm




Yellow
Product code: PEH50630RU
Breaking strength: 6300 kg
Width: 50 mm



White
Product code: PEH506370V
Breaking strength: 7500 kg
Width: 50 mm




Orange
Product code: PEH50750R
Breaking strength: 7500 kg
Width: 50 mm




Green
Product code: PEH60860RA
Breaking strength: 8600 kg
Width: 60 mm




Yellow
Product code: PEH75131
Breaking strength: 13000 kg
Width: 75 mm



Yellow
Product code: PEH9010
Breaking strength: 13000 kg
Width: 90 mm




Grey
Product code: PEH12018R
Breaking strength: 18000 kg
Width: 120 mm



Red
Product code: PEH15022PUN
Breaking strength: 22000 kg
Width: 150 mm



Brown
Product code: PEH180RURU
Breaking strength: 26000 kg
Width: 180 mm



Blue
Product code: PEH24036
Breaking strength: 36000 kg
Width: 240 mm



Orange
Product code: PEH300540R
Breaking strength: 54000 kg
Width: 300 mm

LASHING CHAINS FOR LOAD BINDERS

- for lashing extremely heavy items on boats and carriages etc
- safety latch hooks as standard end fittings
- short link grade 8 chain
- black or shiny electro galvanized chain
- also available with grade 10 components, ask more from sales!

Chain size	LC	Breaking strength	Standard Length	Weight	Product code
mm	kg	kg	m	kg	
6	2250	4500	5	4,6	SIK0605K
8	4000	8000	5	8,4	SIK0805K
10	6300	12600	5	12,7	SIK1005K
13	10600	21200	5	21,9	SIK1305K
16	16000	32000	5	34,6	SIK1605K



Chains are packed in retail bags

HEAVY CARGO LASHING CHAINS

- lashing for extremely heavy cargo on boats and timber trucks in automatic lashing devices
- by the meter or specific size with various hook etc. end fitting
- paint coated
- long link grade 8 chain



Chain size (inner wid x inner leng)	LC	Breaking strength	Weight	Product code
mm	kg	kg	kg	
6 (10x35)	2250	4500	0,65	SIK06P
9 (16x57)	5000	10000	1,50	SIK09P
11 (18x66)	7500	15000	2,10	SIK11P
13 (25x81)	10500	21000	2,90	SIK13P

CHOKER CHAIN

- grade 8
- paint coated



Chain	Breaking strength	Chain Length	Spike Length	Weight	Product code
mm	kg	m	mm	kg	
7	6800	2,3	250	2,85	JKE23

LASHING WIRE

- Operates with a similarity to an iron wire

Size	No of threads	Length on a wheel	Product code
mm		m	
3	19	3000	SIVAI0319

LOAD BINDER - RATCHET TYPE

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



EN-load binder hooks have a lock

Chain size mm	Breaking strength kg	LC kg	Tensile Length approx. mm	Weight kg	Product code
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

10	12600	6300	145	5,6	VA10EN
13	20000	10000	145	6,6	VA13EN
16	32000	16000	300	10,5	VA16EN

LOAD BINDER WITH COLLAPSIBLE TENSION GRIP



Binder handling is easy thanks to long main tube.

- extended tension Length
- collapsible tension grip
- EN-standard safety latch hooks
- paint coated

Chain size mm	Breaking strength kg	LC kg	Weight kg	Product code
8	8000	4000	5,50	VA8P
10	12600	6300	5,80	VA10P

LOAD BINDER - LEVER TYPE



- for short link lashing chains
- tensioning with an eccentric handle
- tension Length approx. 120 mm
- paint coated

Chain size mm	Breaking strength kg	LC kg	Tensile Length approx. mm	Weight kg	Product code
8	8600	4300	120	3,8	PK810
10 - 13	15000	7500	120	5,5	PK1013

LASHING LEVER



- for long link lashing chains
- only for lashing cargo on ships (not approved for road transport)
- paint coated

Chain size mm	Breaking strength kg	Weight kg	Product code
9	10000	3,5	KAR9
11	15000	3,9	KAR11
13	20000	6,0	KAR13

MARINE HAMBURGER TURNBUCKLES

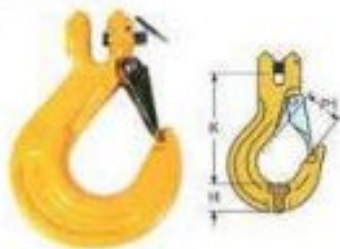
- for tightening a steel rope in cargo lashing on ships
- tension Length appr. n. 240 mm
- non-coated



Steel wire size mm	Breaking strength kg	Thread size	Weight kg	Product code
12 - 14	13000	M24	1,9	HAV13
16 - 18	20000	M27	3,0	HAV20

CLEVIS SLING HOOK WITH LATCH

- the hook is attached directly to the chain without a connection link
- grade 8



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

CLEVIS CRAB HOOK



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

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

CLEVIS HOOK FOR LASHING CHAIN



- the 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



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

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

PELICAN HOOK



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

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

PALLET HOOKS



Breaking strength t	Attached	Weight kg	Product code
20	bolting	2,6	SILVKOU

Pallet chains can be found on 13-3

TRAILER WHEEL CHOCK



- full rubber wedge that you can equip with spikes

Dim. (l x w x d)	Colo	Weight kg	Product code
105 x 75 x 75	black	0,33	PYKMATALA (2 pcs)
170 x 100 x 95	red	0,60	PYKMINI
243 x 127 x 230	black	3,80	PYKPIENI
290 x 190 x 150	black	5,30	PYKISO
240 x 190 x 165	black	6,10	PYKSUURI

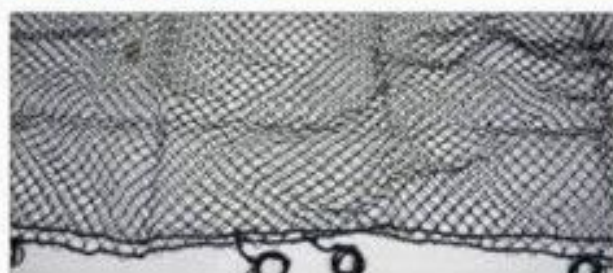
PVC CARGO TARPULIN



- holes reinforced with metal approx every 1 metre on the edges
- approx 1,5m lashing ropes are included in the delivery (seperate)
- lashing rubber can also be used in 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.
- appr. n. 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 of a strap
- 35000 – 70000 kg sizes of a round sling
- with eye / eye ends
- 2000 kg model eye / hook ends
- available with different hook, sackle, etc. ends and different sizes

Type	Tensile strengt t	Widht or diameter mm	Length m	Weight kg	Product code
Polyester strap	2,0	25	5	0,35	VEH025
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	VER350
Fiber bundle sling	56,0	80	6	12,00	VER560
Fiber bundle sling	70,0	100	6	15,60	VER700



Warning sling for over-long cargos, 30 x 30 cm
Product code: VARLIP

TRUCKS BODY BUILDING PRODUCTS



Lashing tracks, support bars and accessories



Cargo securing winches, connect point and accessories



Thermo walls



Accessories

TD-system is based on part belonging to a unique flight cargo securing system. The system has been developed based on the user experience for several decades.

- **Always available, if necessary, TD-double deck floor beam can be stored near the ceiling, where it locks on the tracks, and is easily accessible**
- **Easy to use**
If the double deck floor beam is out of the reach, the beam locking mechanism can be opened using an intended bar
- **The optimal loading space**
The track has a thickness of only 12 mm, which is why the vehicle load space is very effectively available.
- **Large height adjustability**
A major advantage is a dense height adjustment, the double deck floor beam anchor intervals are only 25 mm.
- **Rational design**
Mid track slots are very effectively protected from damage, due to carefully thought shape
- **Insulation benefits for refrigerated transports**
Due to the ultra thin design of tracks, they do not need to be embedded to the wall, so the wall insulation capacity does not change
- **Retrofitting**
TD-double deck floor system can also be retrofitted
- **Easy to clean**
Due to its design, its easy to keep clean.
- **Gentle for the goods**
The finished design of the tracks minimizes the risk of damage to the goods during the unloading and loading the cargo



An example:

A trailer with the TD-double deck floor system

Length	13,6 m
Height	2,5 m
Pallet slots	66 pcs
Double deck floor beam	22 pcs
Double row vertical beam	20 pcs
Single row vertical beam	4 pcs
Release rod	1 pcs



TD- vertical beams fit to be used also in diagonal position for loading and load separation

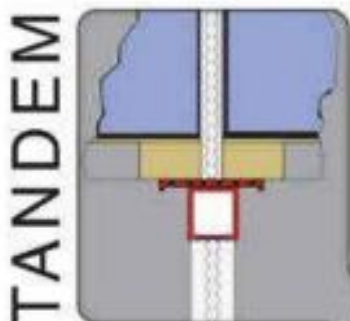
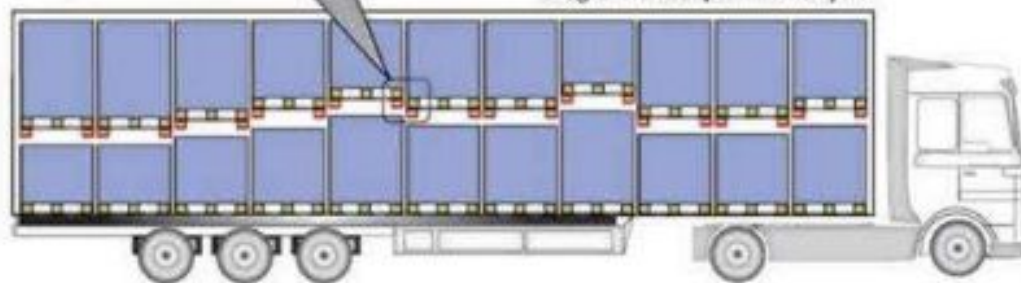
The vertical beams for the decking system are available as surface-mounted and imbedded models. Attachment independent on the specific type of model, with screws, rivets or by clueing.



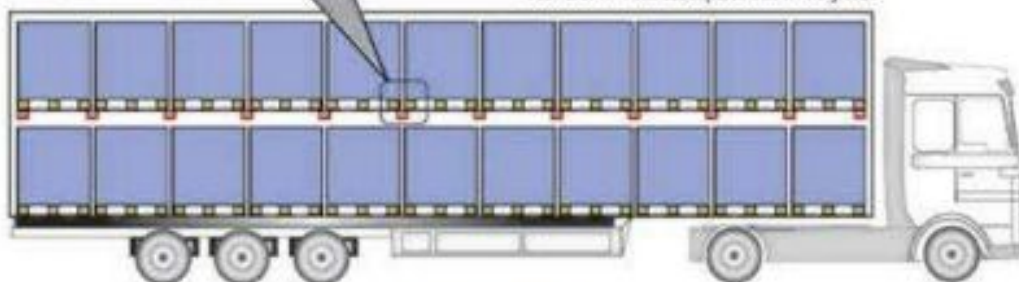
TD- vertical beams fit perfectly for vertical controlling of the load.



Single-välitasopalkkien käyttö



Tandem-välitasopalkkien käyttö



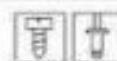
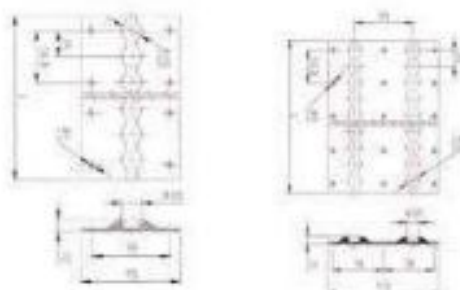


TDKISO1

TDKISO2

TD surface-mounted vertical beam

Material	Product code	Length, mm	Weight, kg
Aluminium	TDKISO1	1960	2,2
	TDKISO2	1960	4,1



Attachment with screws or pop rivets

NEW



TD-double decking beam

Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDPALKKIX	2385-2750	1000	6,70

VERTICAL BEAM. Novelty. Winner the innovation price of the year.

Extremely silent, fast and easy to use.

See presentation video in Youtube.

Look for, in the search field: *Forankra XtraDeck-system*

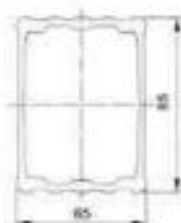


For a surface-mounted vertical beam

Check the way to use on page 11-25.



The attachment poles can be found on page 11-29.



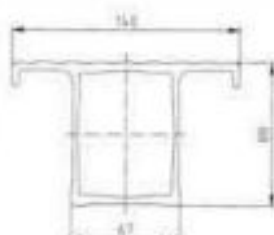
TD decking beam single

Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDPALKKIS	2290-2730	1000	7,50

For a surface-mounted vertical beam

Check the way to use on page 11-25.

The attachment poles can be found on page 11-29.



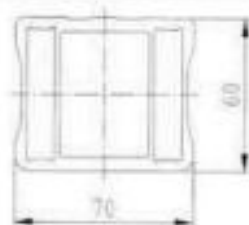
TD decking beam tandem

Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDPALKKIT	2420-2550	1500	12,10

For a surface-mounted vertical beam

Check the way to use on page 11-25.

The attachment poles can be found on page 11-29.



TD decking beam low profile

Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDPALKKIM	2420-2550	1000	9,08

For a surface-mounted vertical beam

Check the way to use on page 11-25.

The attachment poles can be found on page 11-29.



TDF19601,
TDF21501

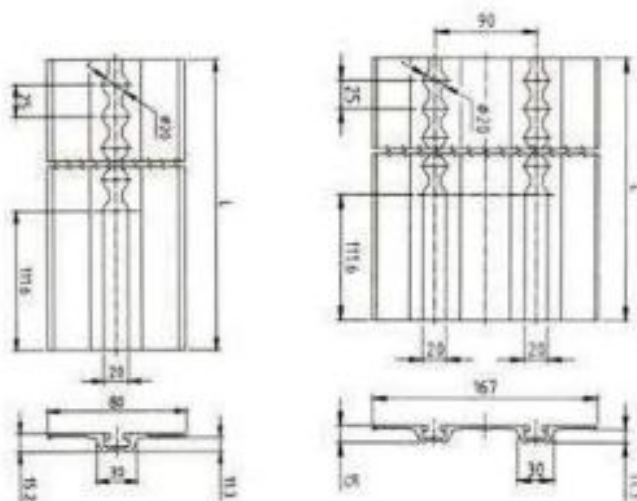
TDF19602,
TDF21502

TDF decking beam, embedded

Focusing signs, 6 pcs

Material	Product Code	Length, mm	Model	Weight, kg
Aluminium	TDF19601	1960	1-row	1,72
	TDF19602	1960	2-row	3,59
	TDF21501	2150	1-row	1,90
	TDF21502	2150	2-row	3,90

Attachment by clueing.

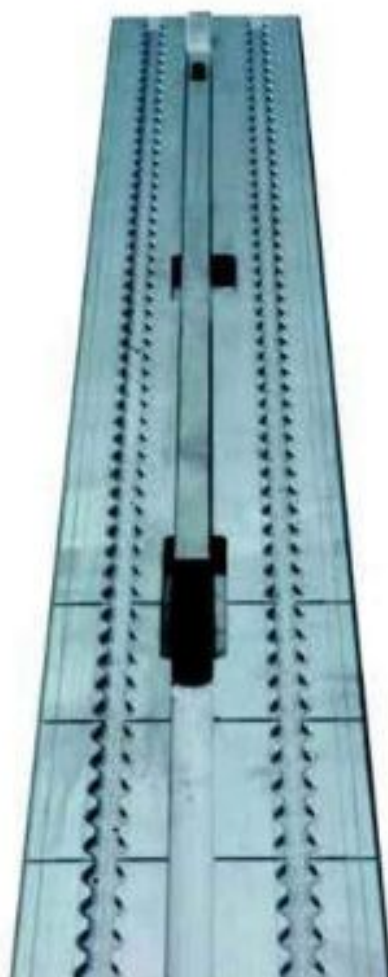
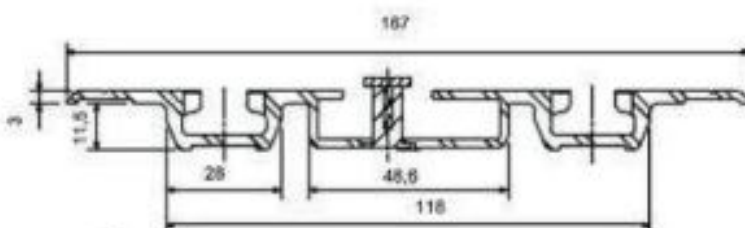


TDF-embedded vertical beam with trail

The adjustment pole TANKO1250 storing possibility

Material	Product Code	Length, mm	Weight, kg
Aluminium	TDF1960S	1960	3,58
	TDF2150S	2150	3,90

Attachment by clueing.



NEW

TDF decking beam



Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDFPALKKIX	2385-2750	1000	6,70

VERTICAL BEAM. Novelty. Winner the innovation price of the year.

Extremely silent, fast and easy to use.

See presentation video in Youtube.



Look for, in the search field: *Forankra XtraDeck-system*



For a guide track.

Check the way to use on page 11-25

The adjustment poles can be found on page 11-29.



TDF decking beam single

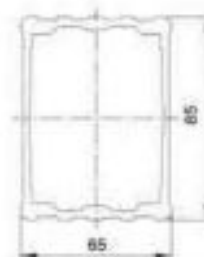


Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDFPALKKIS	2290-2730	1000	7,50

For a guide track.

Check the way to use on page 11-25

The adjustment poles can be found on page 11-29.



TDF decking beam tandem

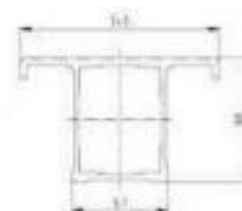


Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDFPALKKIT	2420-2550	1500	12,10

For a guide track.

Check the way to use on page 11-25

The adjustment poles can be found on page 11-29.



TDF decking beam low profile

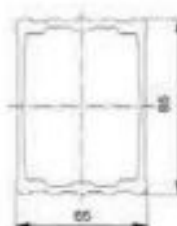


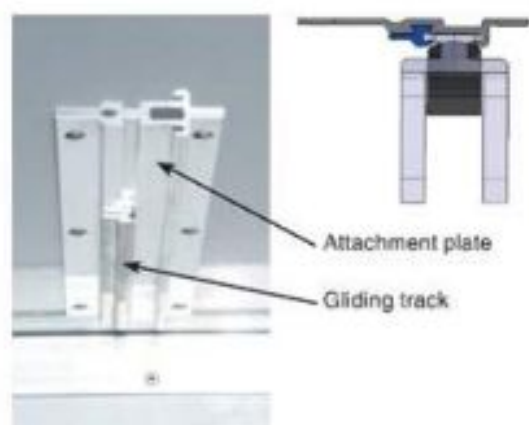
Material	Product code	Length, mm	Workload, daN	Weight, kg
Aluminium	TDFPALKKIM	2420-2550	1000	9,08

For a guide track.

Check the way to use on page 11-25.

The adjustment poles can be found on page 11-29.





Roof suspension

Product code	Part
RLEVYKI	Attachment plate
RLEVYLI	Gliding track

Fits to TDF double deck beam



Roof suspension

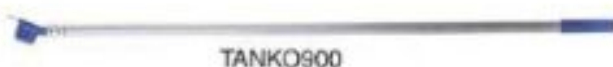
Product code	Measurements, mm
RLEVY2	115x89x54/27

Fits to TDF and TD double deck beam



Double deck beam release rod

Product code	Measurements, mm
TANKO1300	L 1300
TANKO900	L900



TANKO900 fits to beams TDPALKKIX and TDFPALKKIX
pages 11-26 ja 11-28



Double deck beam release rod

Product code	Measurements, mm
TANKO1250	L 1250

Fits to reessed TDF vertical beam TDF1960S and TDF2150S, page 11-27



Stopper for TDF track

Fit to TDF bars TDF19601, TDF19602, TDF21501 and TDF21502, page 11-27

Product code	Measurements, mm
TDFPAATE	80x25xH13



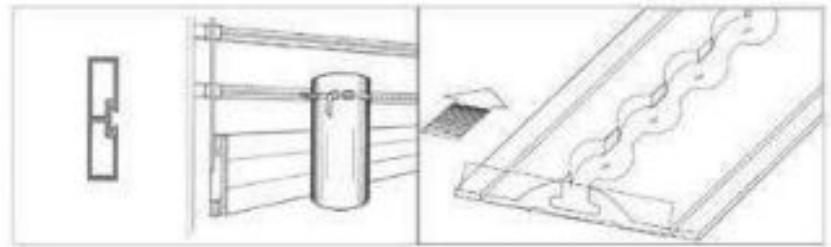
Spare parts for TDF double deck beams

Description	Product code
Whole stopper	TDFVARA
TDF stopper	TDFPAATE1
TDF gliding stopper	TDFLIUKU
Bolt, short	PULTTILYHYT
Bolt, long	PULTTIPITKA
TDF/TD screw set	TDFTRUUVI

Spare part also available for TD double deck beams, ask for more.

Lashing system with many uses

Aircraft tracks ensure greater binder strength and they can be fully integrated to the transport space. For example, LASHING SYSTEM with four attachment ends (EP50), allows the bonding of up to 2000 daN, when attached to the floor beams. All tracks and fittings are compatible with all the systems under EN 12640 standard. Since the the mounting points in the tracks are only with 25 mm intervals, the transported cargo can be tied down to the desired location. Aircraft bars are, due to their design, easy to keep clean, and, therefore, they are also highly suitable to be flat-mounted to the vehicle floor.



The benefits

The tracks are lightweight, but still provide excellent binder strength.

Tracks and accessories are made along the universal standards.

The tracks are easy to mount with pop rivets, screws or glue.



Using the system

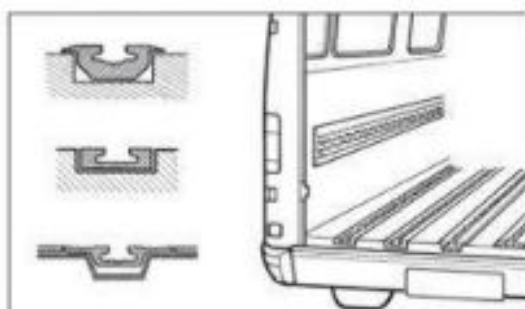
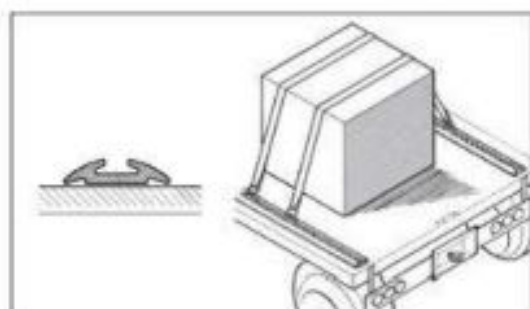
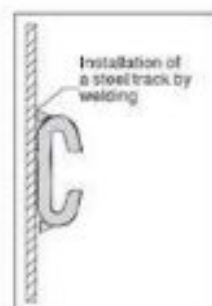
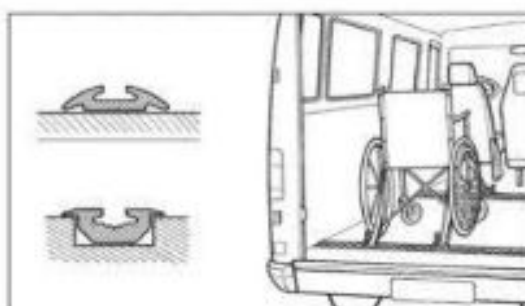
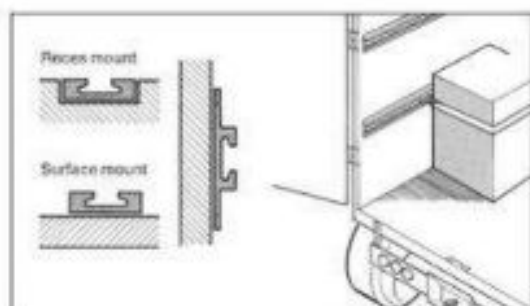
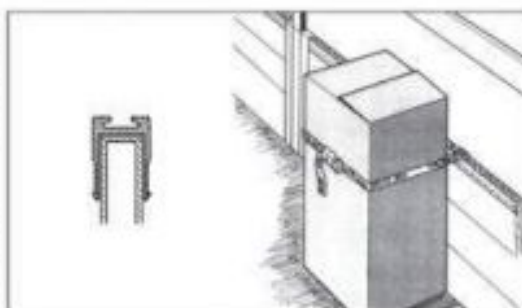
Straps terminals, anchors and other accessories can be used, either separately or together, as part of the cargo securing. All fittings and mounting points can be mounted on 25 mm intervals throughout the Length of the track.



Aircraft tracks

Aircraft tracks are designed specifically for vans and trucks and they can be mounted both on the wall and the floor. High grade aluminum alloy has been used as a building material, which guarantees the light weight and strong structure of the product. Aircraft tracks may be installed to the floor or wall of the transport space, either surface or flat mounted. Tracks have an open structure, making them easier to keep clean.

The tracks are also available as steel-structured, which are less expensive compared to aluminum tracks and steel tracks can be attached to the transport space by welding. Steel tracks have the same 25 mm pitch as the aluminum tracks.



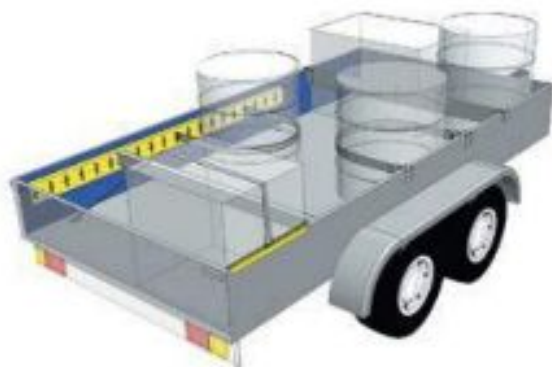
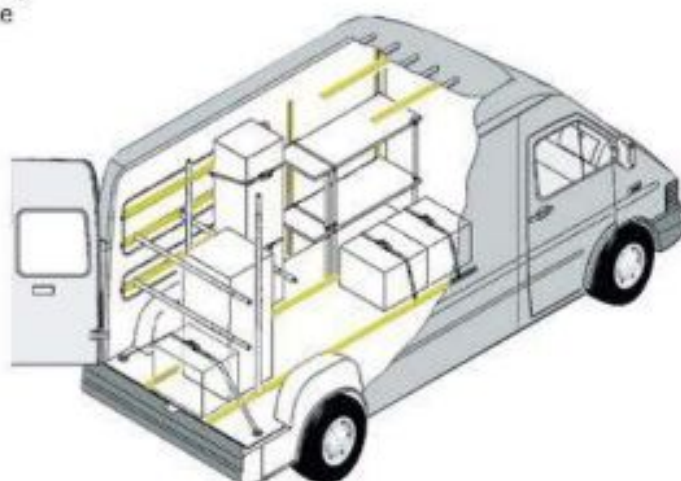
When using the aircraft tracks and lashing strap end fitting (page 15), the requirements of ISO 27955/27956 and DIN 75410 are fulfilled. By using the LASHING SYSTEM with four-point lashing end fitting, the requirements of EN 12640 are fulfilled.

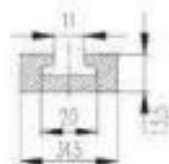
If the track is attached with M5 10.9 screws with 75mm intervals, following working loads are achieved:

Single attachment	400 daN
Double attachment	500 daN
Quadro attachment	800 daN

If the track is attached with M6 10.9 screws with 75mm intervals, following working loads are achieved:

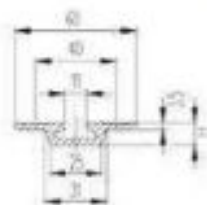
Single attachment	500 daN
Double attachment	1000 daN
Quadro attachment	2000 daN





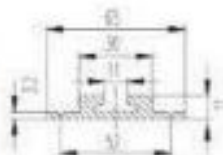
Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium	EPKSKO34.5	2998	25	2,70

Attachment with screws or pop rivets.



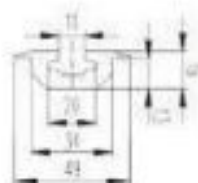
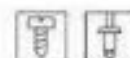
Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium	EPKSKO31	2998	25	2,10

Attachment with screws or pop rivets.



Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium	EPKSKO52	2998	25	2,40

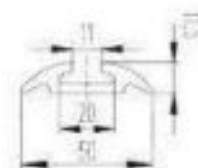
Attachment with screws or pop rivets.



Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy 6082 T6	EPKSKO49	2998	25	2,94

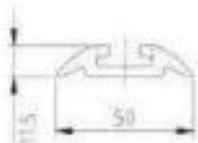
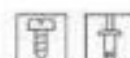
Tested according to DIN 75078-2 standard wheelchair securing.

Attachment with screws.



Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy 6082 T6	EPKSKO5011	2998	25	2,13

Attachment with screws or pop rivets.

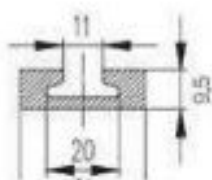


Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy 6082 T6	EPKSKO50	2998	25	2,28

Tested according to DIN 75078-2 standard wheelchair securing.

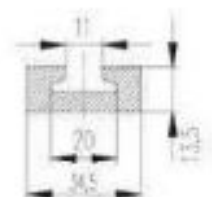
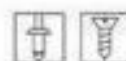
Attachment with screws or pop rivets.





Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium	EPKISKO34	2998	25	1,65

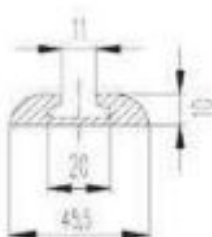
Like EPKISKO34.5, but with thin base.
Attachment with screws or pop rivets.



Distance 25,4 mm

Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy 6082 T6	EPKISKO3000	3000	25,4	2,70

Developed for aircraft industry.
Attachment with screws.

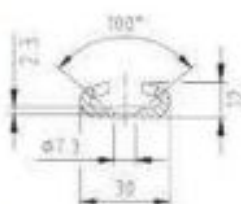


Distance 25,4 mm

Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy 6082 T6	EPKISKO45.5	3000	25,4	2,40

Developed for aircraft industry.

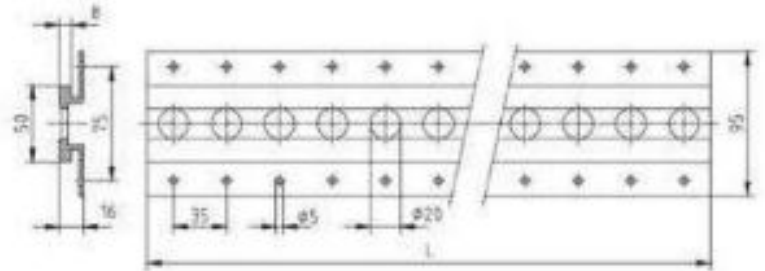
Attachment with screws.



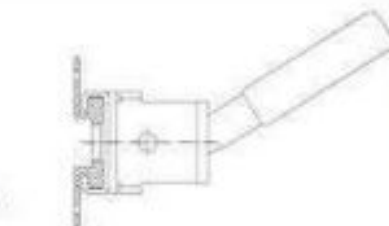
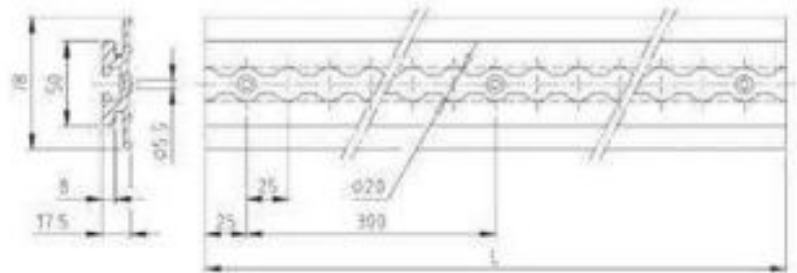
Material	Product code	Length, mm	Distance, mm	Weight, kg
Non-treated steel	EPK2400	2400	25	2,91
QSTE 420	EPK3000	3000	25	3,63
Galvanized steel, Blue chromated	EPS1445	1445	25	1,75
	EPS2400	2400	25	2,91
	EPS3000	3000	25	3,63



Material	Product code	Length, mm	Weight, kg
Aluminium	EPR3000	3000	3,75

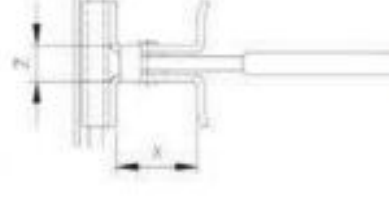


Material	Product code	Length, mm	Weight, kg
Aluminium	EPR2000	2000	3,40

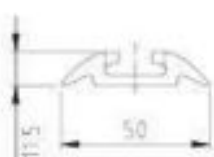
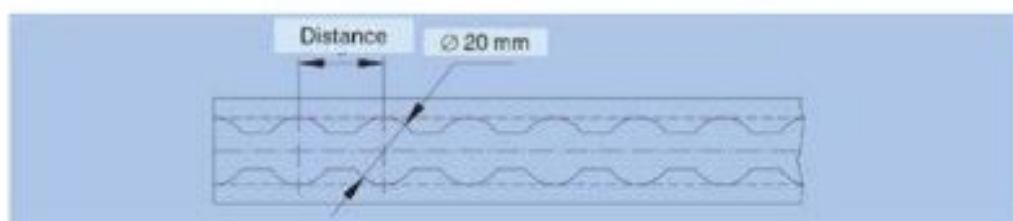
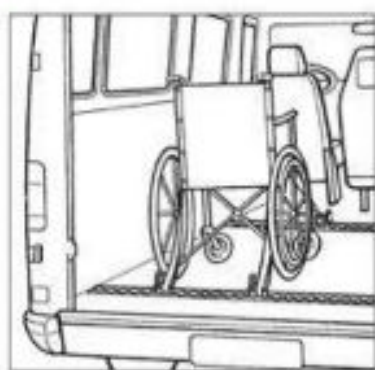


Roll trolley locking handle

Material	Product code	Measurements, mm	Weight, kg
Galvanized steel, Blue chromated	LKAHVA25	X: 25 Y: 24 Z: 22	0,65

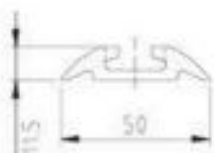


Material	Product code	Measurements, mm	Weight, kg
Galvanized steel, Blue chromated	LKAHVA35	X: 35 Y: 24 Z: 22	0,68



Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy 6082 T6	EPKISKO50	2998	25	2,28

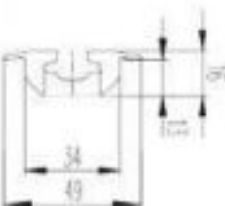
Tested according to DIN 75078-2 standard wheelchair securing.
Attachment with screws.



Distance 25,4 mm

Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium alloy F35	EPKISKO350	3000	25,4	2,28

Tested according to DIN 75078-2 standard wheelchair securing.
Attachment with screws.



Distance 25,4 mm

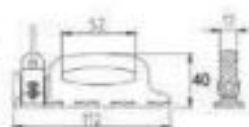
Material	Product code	Length, mm	Distance, mm	Weight, kg
Aluminium	EPKISKO4916	3000	25,4	3,00

Tested according to DIN 75078-2 standard wheelchair securing.
Attachment with screws.



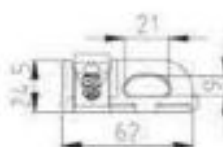
Lashing Capacity – LC daN, EN 12195-2 =

Breaking strength
daN
2



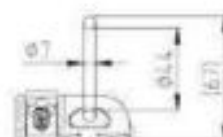
Quadro stud

Material	Product code	LC daN	Weight, kg
Galvanized steel	EP50	2500	0,34



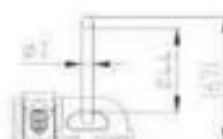
Double stud

Material	Product code	LC daN	Weight, kg
Galvanized steel	EP25	1100	0,11



Double stud

Material	Product code	LC daN	Weight, kg
Galvanized steel	EP26	1100	0,16



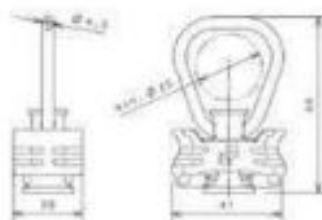
Double stud

Material	Product code	LC daN	Weight, kg
Galvanized steel	EP25E	1100	0,16



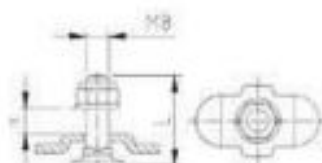
Single stud

Material	Product code	LC daN	Weight, kg
Galvanized steel, alum. stud	EP18	875	0,05



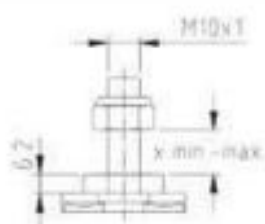
Single stud

Material	Product code	LC daN	Weight, kg
Galvanized steel, alum. stud	EP18M	500	0,06



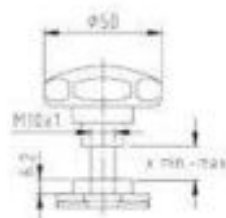
Screw Fitting M8 with a nut

Material	Product code	LC daN	Bolt Length, mm	Weight, kg
Galvanized steel	ANKKURI807	500	0-7	0,04
	ANKKURI817	500	0-17	0,04



Screw Fitting M10 with a nut

Material	Product code	LC daN	Bolt Length, mm	Weight, kg
Galvanized steel	ANKKURI1007	2000	0-7	0,06
	ANKKURI1014	2000	0-14	0,07
	ANKKURI1024	2000	0-24	0,07
	ANKKURI1034	2000	0-34	0,08



Screw Fitting with plastic knob

Material	Product code	LC daN	Bolt Length x, mm	Weight, kg
Galvanized steel	ANKKURIM14	2000	7-14	0,12
	ANKKURIM24	2000	14-24	0,12
	ANKKURIM34	2000	24-34	0,13



Anchor points

Material	Product code	LC daN	Weight, kg
Anodised aluminium	KIP1800	400	0,02
	KIP2000	1000	0,06

Aircraft track ending

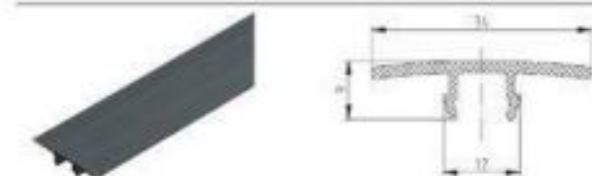
Material	Product code	Weight, kg
Plastic	EPPAATEP	0,02

Fits to EPKISKO5011 and EPKISKO350 tracks



Cover for aircraft track

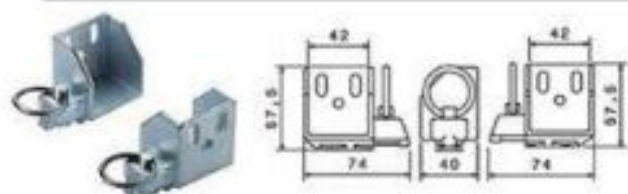
Material	Product code	Length, mm	Weight, kg
Plastic	EPSUOJA	3000	0,32



Support bar holder set

Material	Product code	Weight, kg
Galvanized steel	KANNATIN	0,54

Support bar holder set contains both parts



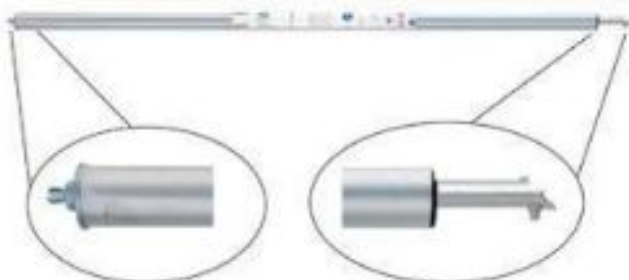
Support bar for aircraft track Ø 32 mm

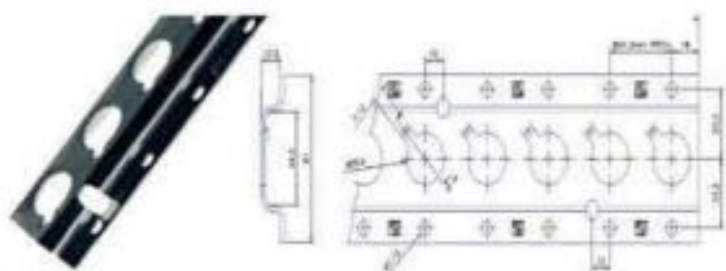
To support the cargo in vans and pick-ups, in both horizontal and vertical positions

Combi- and hole-track

Material	Bolt size	Product code	Length, mm	Weight, kg
Aluminium	19 mm bolt	KTU3219	2000-2500	3,8

Other sizes also available





Hole track

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Galvanized steel	SIRK1000	2,5	3050	4,86

Combi track

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Galvanized steel	SICO3000	3,0	3000	8,0
	SICO3T	2,5	3000	6,6
	SICO3960	2,5	3960	8,7

Check the LASHING SYSTEM ending that fits the combi track on page 11-15.

Can also be used with an ordinary hook.

Flat Combi track

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Galvanized steel	SICO3000U	2,5	3000	7,5

Check the LASHING SYSTEM ending that fits the combi track on page 11-15.

Can also be used with an ordinary hook.

Aluminium Combi track

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Aluminium	SICO3000A	3,0	3000	2,92
	SICO4035A	3,0	4035	4,08

Check the LASHING SYSTEM ending that fits the combi track on page 11-15.

Can also be used with an ordinary hook.

Universal track

Material	Product code	Ainevahuus, mm	Length, mm	Weight, kg
Galvanized steel	YKISKO3000	2,5	3000	6,9

Check the LASHING SYSTEM ending that fits the universal track on page 11-15.

Flat universal track

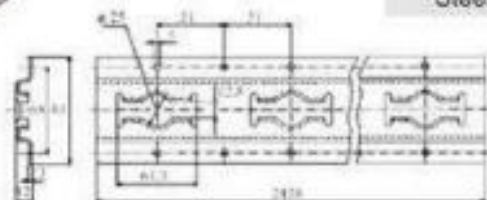
Material	Product code	Ainevahuus, mm	Length, mm	Weight, kg
Galvanized steel	YKISKO3000U	3,0	3000	9,0

Check the LASHING SYSTEM ending that fits the universal track on page 11-15.

Hole track
SICOPAA84Universal-/Combi track
SICOPAA130

Lashing track end fitting

Material	Product code	Length, mm
Plastic	SICOPAA84	84
	SICOPAA130	130



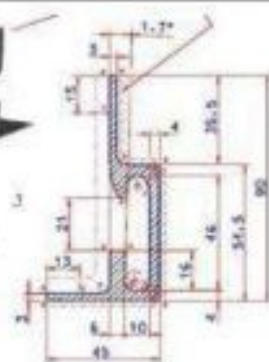
Vertical track

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Steel	VERTIKISKO	3,0	2438	3,3



Omega track for a winch

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Steel	OMEGAKISKO	6	6000	39



Space track

Material	Product code	Product thickness mm	Length, mm	Weight, kg
Aluminium	SPACEKISKO	3-4	5000	8,81



Lashing strap for a Space track

Material	Product code	Breaking strength kg
Steel	SPACELENKKI	3500

Omega winch (SIV25000, p.11-42) forms together with Omega track a very versatile strap tightening system.



Lashing strap (SPACELENKKI) moves in the Space track groove and does not need any extra space.



Loading Beam/Shoring Beam

Combi and universal track

Material	Product code	Length, mm	Weight, kg
Aluminium/steel	TUKIPUOMISK	2340-2630	8,5



Support beam socket

Combi and universal track

Material	Product code	Weight, kg
Steel	VTKA300	0,39



Round Shoring Pole Ø 42 mm

Combi and hole track

Material	Specifikation	Product code	Length, mm	Weight, kg
Steel	24 mm tap.	KTU400PT	2280-2660	8,0



Adjustable safety beam to pick-ups

Adjustment in the middle

Material	Product code	Length, mm	Weight, kg
Aluminium	TUKIPUOMISA	2400-2700	11,5



Low-profile adjustable safety beam to pick-ups

Other end adjustable, other fixed.

Material	Product code	Length, mm	Weight, kg
Aluminium	TUKIPUOMIMA	2290-2520	7,2

Support bars with rubber pads

For supporting a load in a van or pick-up car, both in horizontal or vertical position.
Mechanical or gas spring-operated.
Also available as spare parts.

Product code	Type	Material	Adjustment area, m	Shape	Max. load kg	Weight, kg
KTTU300LGAS	Gas-spring	Steel/aluminium	1.90 - 2.55	square	300	7,0
KTTU300PGAS	Gas-spring	Steel/aluminium	2.35 - 3.35	square	300	8,0
KTTU300	Mechanical	Steel	2.35 - 3.10	square	300	7,0
KTTU300P	Mechanical	Aluminium	2.35 - 3.20	round	300	6,0
KTTU300E	Mechanical	Aluminium	2,40 - 2,80	square	150	4,7

Gas spring-operated models can also be supplied with a 90kg spring (normal 120kg), ask for more from our sales!

KTTU300PGAS / KTTU300LGAS



Spare parts KTTU300PGAS / KTTU300LGAS

Product code	Spare parts
KTTU300GVI001	Handle
KTTU300GVI002	Pad
KTTU300GVI018	Spring (120 kg)
KTTU300GVI028	Arm

KTTU300



Spare parts KTTU300

Product code	Spare parts
KTTU02F	Teeth
KTTU03F	Handle
KTTU05F	Pad, down
KTTU06F	Pad, up
KTTU14F	Spring

KTTU300P



KTTU300E, ERGOBAR AUTOMATIC LOCKING

Ergonomic, light support bar

Bar is automatically locked, when lowest pad is placed on the floor.

Can easily be handled with even one hand.

A longer version will be introduced.

NEW
PATENTED





Lashing winch

The most commonly used lashing winch. The winch is only intended for belt tightening and the unused band can not be stored in the winch. Used with ratchet spanner SIVKI28M or SVIKI25. Winch is mounted by bolting.

Model	Product code	Webbing width, mm	Breaking strength, daN	LC, daN
Winch	SIV2000P	50	5000	2500



Combi-lashing winch

A robust combination of winch is used to tighten the straps and storing an extra tape. Loose strap winding with a crank, which can be mounted on either side of the winch. The tape is used to tighten the tightening bar TANKOCO.

Product code	Webbing width, mm	Breaking strength kg	LC, daN
SIV30004	50	6000	3000



Lashing winch Omega-track

A structure similar to winch SIV2000P, but with Omega track with a suitable attachment. Use with ratchet spanner SIVKI28M or SVIKI25.

Model	Product code	Webbing width, mm	Breaking strength, daN	LC, daN
Winch	SIV2500O	50	5000	2500



Lashing winch e.g. timber transports

Used, for example, in timber trucks to tighten the load and storing the excess webbing. Winch has a crank for fast retraction of the loose strap. For tightening use tools SVIKI25, SIVKI28M or SIVKI25M. Winch fastening by e.g. welding.

Model	Product code	Strap Width, mm	Breaking strength, daN	LC, daN
Low, 25 mm with a nut	SIV2500M25	50	5000	2500
High, 25 mm with a nut	SIV2500K25	50	5000	2500
High, 28 mm with a nut	SIV2500K28	50	5000	2500
K-model	SIV2035K	50	5000	2500
Winch strap, Length 10m	VV350010	50	5000	2500
Winch strap, Length 10m	VV200010	50	3200	1600



Lashing winch 50-100 mm strap

Robust, storing winch can use up to 100 mm width strapp. Winch fastening by e.g. welding.

Product code	Webbing width, mm	Breaking strength kg	LC, daN
SIV4000	50 - 100	8000	4000



Winch Ratchet Spanner, 28 mm

To be used with winches SIV2000P, SIV2500O, SIV2500K28. Robust structure and 28 mm nut fitting socket.

Product code

SIVKI28M



Winch Ratchet Spanner, 28 mm

Profitable ratchet spanner to be used with winches SIV2000P, SIV2500O, SIV2500K28. 28 mm nut fitting socket.

Product code

SIVKI28



Winch Ratchet Spanner, 25 mm

To be used with winch SIV2500K25 and older models. Very robust structure and 25 mm nut fitting socket.

Product code

SIVKI25M



Spare parts winches SIV2500K25 and SIV2500K28

Product code

SIV250025VA



Spare parts winches SIV2500K25 and SIV2500K28

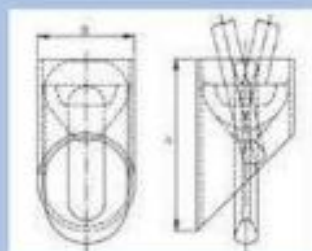
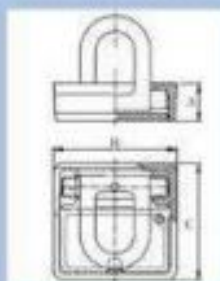
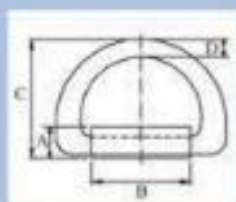
Product code

SIV2500K25VA2

Includes handle and washers.

Lashing Capacity – LC daN, EN 12195-2 =

Breaking strength
daN
 $\frac{\quad}{2}$



Load lashing point with a body

Product code	A	B	C	D	LC, daN	Weight, g
KIP6000R	67	100	100	-	3000	1000



Load lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP6000	67	87	67	12	3000	350



Weldable lashing point

Product code	s	l	d	LC, daN	Weight, g
KIPH10	95	80	18	5000	800
KIPH20	110	85	19	10000	1200
KIPH36	130	80	25	18000	2900
KIPH67	155	95	35	33500	5300



Weldable lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIPH15T	25	90	136	22	7500	1900
KIPH10T	24	60	91	12,5	5000	300



Flat load lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP800U	15	100	145	10	400	410
KIP350U	12	70	104	6	175	180



Flat load lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP20U	23	82	102	-	1000	360



Load lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP50	8,5	45	43	-	250	42



Flat load lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP1000	16,5	104	92	10	1000	370
KIP4000	19	82	-	-	2000	150
KIP4000U	-	92Ø	-	-	2000	445



Load lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP1500	15	90	90	8	750	190



Anchor plate

Product code	A	B	C	D	LC, daN	Weight, g
KIP1800	10,2	44,5	44,5	-	400	20



Double anchor plate

Product code	A	B	C	D	LC, daN	Weight, g
KIP2000	10	76	45,5	-	1000	60



Weldable lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP8000N	114	123	66	-	4000	990
KIP8000NP	110	70	125	-	4000	1240



Weldable lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP4000N	45	80	40	-	2000	300
KIP8000P	110	Ø 64	-	-	4000	960



Weldable lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP7500	29	95	90	-	3500	900

With a solid loop



Weldable lashing point

Product code	A	B	C	D	LC, daN	Weight, g
KIP6000A	29	90	90	9	3000	1190

With an open hook



Storage box for e.g. lashing straps

Product code	
SVLAATIKKO	Fits to combi track



Roller for lashing straps

Product code	
RULLARIMT	Handy tool for reeling lashing straps



Rack for lashing systems

Product code	
SVTELINE	Attachment with pop rivets



Holder for a brush, shovel etc.

Product code	
PIDIKE	Fits to combi track



Hanging hook

Product code	
RHook	Fits to combi track



Beam ferrule

Product code	
PHOLKKIA	Beam ferrule with an aluminium cover
PHOLKKIS	Cover for a beam ferrule (fits both models)

CHINGI
EXPERT
LOVES SAFETY



12. Corner protectors

For lifting and webbing slings

For roundslings

For lifting chains and wire ropes



WEBBING CORNER PROTECTORS FOR WEBBING SLINGS

- material strong 100% polyester webbing



For webbing sling	Product code length 0,3 m	Product code length 0,5 m
500 kg	NVKS0503	NVKS0505
1000 kg	NVKS103	NVKS105
2000 kg	NVKS203	NVKS205
3000 kg	NVKS303	NVKS305
4000 kg	NVKS403	NVKS405
6000 kg	NVKS603	NVKS605
8000 kg	NVKS803	NVKS805
10000 kg	NVKS1003	NVKS1005

Longer models also available

CORNER PROTECTORS FOR ROUNDSLINGS

- either sewn on the roundsling or sealed by velcro tape to make it easier to remove the cover when needed



For webbing sling	Product code length 0,3 m sewn	Product code length 0,3 m openable velcro
1000 kg	KSP103	KSPA103
2000 kg	KSP203	KSPA203
3000 kg	KSP303	KSPA303
4000 kg	KSP403	KSPA403
6000 kg	KSP603	KSPA603
8000 kg	KSP803	KSPA803
10000 kg	KSP1003	KSPA1003

SECUTEX POLYURETHANE CORNER PROTECTOR

- special material coner protectors with protection agains cutting for webbing slings and roundlings
- maximum length 4 m



40-100 mm

For webbing sling	Product code length 0,5 m
1000 KG	KSSE5005
2000 KG	KSSE6005
3000 KG	KSSE9005
4000 KG	KSSE12005
6000 KG	KSSE18005
8000 KG	KSSE24005
10000 KG	KSSE30005

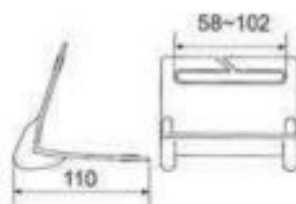
Delivery time approx. 2-4 weeks
Other lengths also available

LIGHT PLASTIC CORNER PROTECTORS FOR WEBBING SLINGS



SIKUS90

SIKUS90100



Slings mm	Product code
40 - 50	SIKUS90
50 - 100	SIKUS90100

EXTRA HEAVY CORNER PROTECTORS

- 90° angle
- Extra strong corner protector

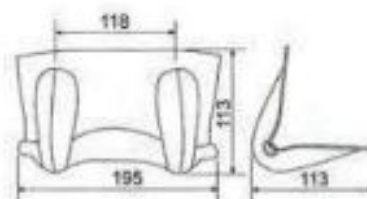
Product code: SIKUS90HD



STEEL CORNER PROTECTOR

- 90° angle
- for webbing, wire rope, chain etc.

Product code: SIKUS90TER



POLYESTER CORNER PROTECTOR

- reeved to the long part of the lashing webbing
- standard length n. 25 cm

Product code:

SIKUS50 (webbing width 50 mm)

SIKUS60 (webbing width 60 mm)

SIKUS75 (webbing width 75 mm)

SIKUS100 (webbing width 100 mm)



MAGNET CORNER PROTECTORS 90° ANGLE

- 90° angle
- attaching with magnets
- made of extra strong special plastic
- for lifting and lashing



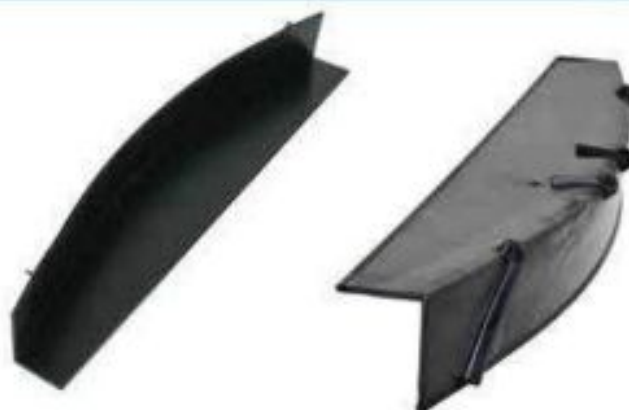
Webbing sling width mm	Rounding size	Weight kg	Product code
0 - 25	1 - 2 T	0,7	KSMAG025
0 - 45	1 - 4 T	0,8	KSMAG040
0 - 65	1 - 5 T	1,0	KSMAG065
0 - 75	1 - 8 T	1,2	KSMAG075
0 - 100	1 - 10 T	1,5	KSMAG100
0 - 125	1 - 15 t	1,6	KSMAG125
0 - 150	1 - 25 T	1,9	KSMAG150
0 - 200	1 - 35 T	2,6	KSMAG200
0 - 300	1 - 40 T	3,5	KSMAG300

Delivery time approx. 2-4 weeks

CORNER PROTECTOR FOR PAPER ROLLS

- semi-round plastic protector
- fittings in the middle keep the webbing in place

Product code: SIKUSPAP



CORNER PROTECTORS FOR PLASTIC AND STEEL RIMS

Cardboard corner protector
35 x 35 x 3 x 100 mm
1050 pcs / box
Product code: SIKUSP10035



Cardboard corner protector
60 x 60 x 3 x 100 mm
600 pcs / box
Product code: SIKUSP100



Plastic corner protector
40 x 40 mm
2000 pcs / box
Product code: SIKUSM40



CELL PLASTIC CORNER PROTECTORS

- strong cell plastic appr. 20mm in width
- length 5970 mm
- side length 190 mm

Product code: SIKUS5500



SECU-STICK FOR INSTALLING THE CORNER PROTECTORS

NEW

Easy and fast, removes the need of climbing. Easy protection against accidents

Made of aluminium, Secu-stick is the tool for removing and installing the vertical supporting beams of the load/deck area of the plastic covered truck

It makes it easier to install corner protectors in high target areas

The driver is no longer obliged to climb - the stick is fully operationable from the ground level, with significantly lower risk of causing accidents or injuries

Secu-Stick is equipped with a telescopic arm, and corner protectors mounting device.



Adjust height mm	Weight kg	Product code
860 - 1720	0,54	SECU



20. Packing equipments

Ecostrap® / ecolash®

Wg-straps

Plastic / steel straps

Plastic strap tools

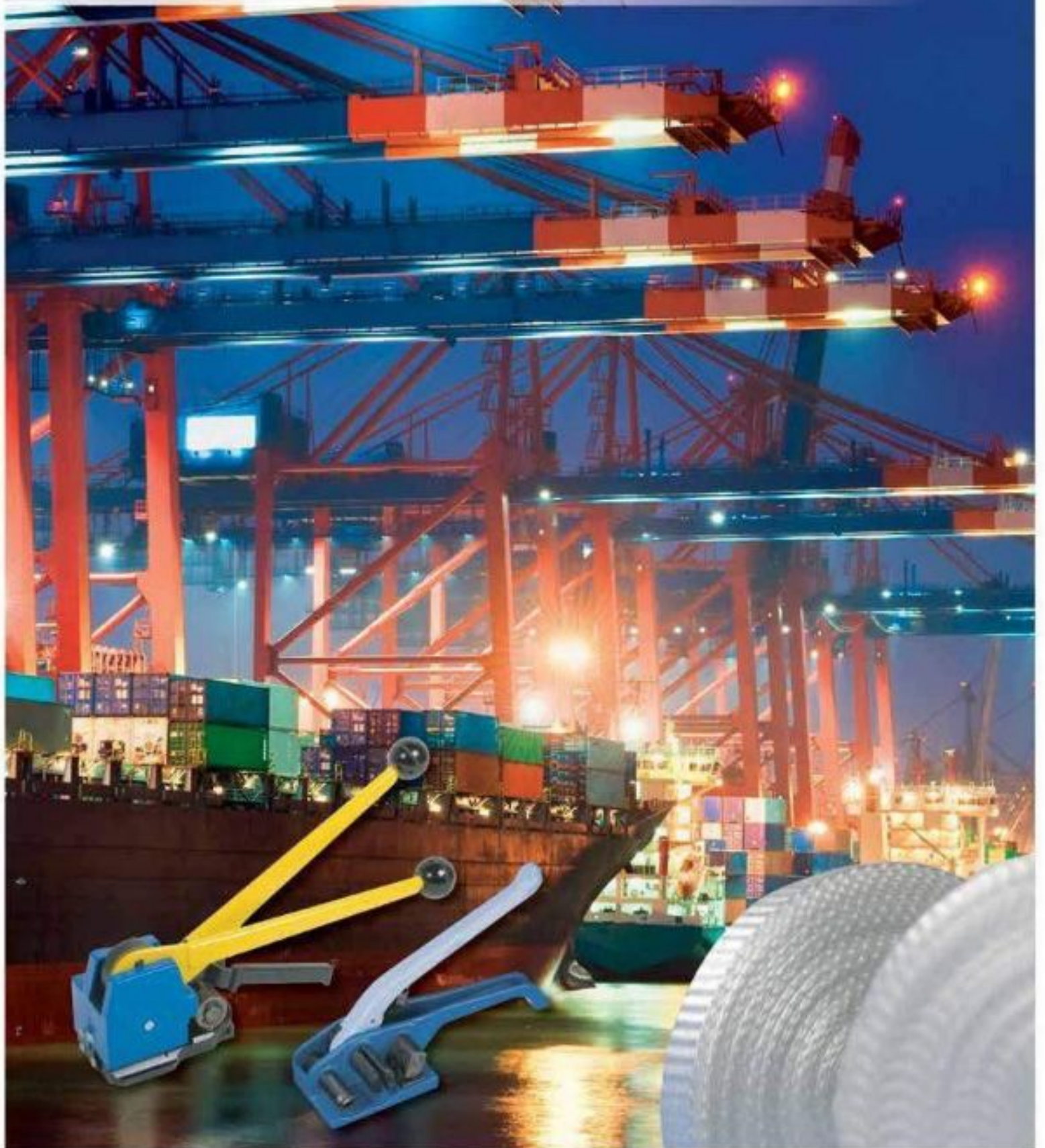
Steel strap tools

Strapping trolleys

Strap locks

Packing films, tapes etc.

Scales



ECOSTRAP® AND ECOLASH® ONE WAY LASHING SYSTEM



Ecostrap ja Ecolash 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 joining together
- Systems are used in all industrial fields and in harbors for tying down goods inside containers
- Are safe as well as easy to use
- The structure of the woven Ecostrap and Ecolash webbings guarantee durability and a tight load
- Straps are easy to dispose of after use
- Are available in several different strenghts (370 - 7500kg)
- The tested metal buckles maximise the system strenght

ECOSTRAP®

ECOSTRAP® WEBBINGS

- Webbing material PES

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



ECOSTRAP® BUCKLES

Product	Product code
Ecostrap buckle 13 mm 1000 pc/box	ESL13
Ecostrap buckle 16 mm 1000 pc/box	ESL16
Ecostrap buckle 19 mm 1000 pc/box	ESL19
Ecostrap buckle 25 mm 500 pc/box	ESL25



Instructions for lock buckle on page 20-10

ECOSTRAP® TOOLS

Product	Product code
Ecostrap tightener 13-25 mm webbing	MVKIR25
Ecostrap strap holder 13-25 mm webbing	ESTELINE
Ecostrap string tool 13-25 mm webbing	ESPT



ESPT



MVKIR25



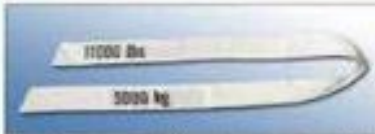
ESTELINE

ECOLASH®

ECOLASH® ONE WAY LASHING WEBBING (SYN)

- Webbing material PES

Products	Strap width mm	Breaking strength kg	Packing size m/bag	Product code
Ecolash 50 mm	50	2000	400	SYN2000
Ecolash 50 mm	50	2700	250	SYN2700
Ecolash 50 mm	50	5000	150	SYN4000



Breaking strength is marked to all webbings



ECOLASH® BUCKLES

Products	Product code
Ecolash buckle 1600kg wls 5016	SYL50S
Ecolash buckle 1600kg wls 4816 Black	SYL50
Ecolash buckle 4000kg wls 5040	SYL100
Ecolash-lock, fosfatized, 200pcs/box	SYL40AL
Glidable hook SY-100	SYKO100



SYL50S



SYL50



SYKO100



SYL100



SYL40AL

Instructions for buckle and lock are found on pages 20-9 and 20-10 and on HakiFitin Youtube-channel



ECOLASH® TOOLS

Product	Product code
Ecolash tightener pr 5000cbl	SYK1800
Ecolash tightener strapping	SYK1000



SYK1800



SYK1000

Instructions for tools are found on pages 20-9 and 20-10

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. The stevedore bag material is strong 100% recycled material. Stevedore bag is easy to empty after use and therefore each bag can be used for multiple times. Stevedore bag is a simple and quick to fill with a filling gun fitting to a compressor.

BAGS

Size (cm)	Product code
90 x 120	53305
90 x 180	53306
90 x 210	53307

FILLING GUNS

Type	Product code
Aluminium	53321
Plastic	53322



WG STRAPS AND ACCESSORIES

WG-STRAP

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



Strap width / Inner diameter (mm)	Breaking strength (kg)	Meters/roll	Packing size		Product code
			roll/box	roll/pallet	
13 / 76	375	1100	2	64	WG13
16 / 76	450	900	2	64	WG16
19 / 76	550	700	2	64	WG19

Strap width / Inner diameter (mm)	Breaking strength (kg)	Meters/roll	Packing size		Product code
			roll/box	roll/pallet	
16 / 76	600	600	2	80	* WG 55
19 / 76	725	500	2	80	* WG 65
25 / 76	950	500	2	60	* WG 85
30 / 76	1170	150	5	150	* WG 95
35 / 76	1350	150	4	120	* WG 105

Strap width / Inner diameter (mm)	Breaking strength (kg)	Meters/roll	Packing size		Product code
			roll/box	roll/pallet	
19 / 76	925	400	2	80	* WGHD65
25 / 76	1250	400	2	60	* WGHD85
38 / 76	2000	100	4	120	* WGHD105

Strap width / no. locks	Breaking strength (kg)	Meters/roll	Packing size		Product code
			roll/box	roll/pallet	
13 / 100 locks	375	250 m	1	128	WG13COM8I
16 / 80 locks	450	200 m	1	128	WG16COM8I



* Products marked with asterisk have 1-2 week delivery time

WG STRAP LOCK

Material	Packing size (pcs/box)	Product code
Steel	1000	WGL13
Steel	1000	WGL16
Steel	1000	WGL19
Steel	500	WGL25
Steel	250	WGL35



Instructions for the lock are found on page 20-10

WG STRAPPING TENSIONERS

Products	Product code
Tightening tool for strapping	SYK11000
Tightener 13-25 mm strap	MVKIR25PP



SYK11000



MVKIR25PP

Instructions p. 20-10

WG STRAPPING TROLLEYS

For inner diameter (mm)	For strap widths (mm)	Product code
76/150/200/280	13-38	WGKEVA
76	13-38	WGTELINE



WGKEVA



WGTELINE

PET PLASTIC STRAPS AND ACCESSORIES

PET PLASTIC STRAPS AND ACCESSORIES

Strap dimensions / roll inner diameter (mm)	Breaking strength (kg)	Meters/roll	Color	Packing size roll/box	Roll/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
15,5 x 0,80 - 406	500	1200	Green	1	48	PET155100406
19,0 x 0,80 - 406	650	1000	Green	1	48	PET1980406



Operating temperature
-30 - (+)80°C

PET STRAP LOCK

Strap width (mm)	Packing size (pcs/box)	Product code
12/13	2000	MV13LUY
15/16	1000	MV16LUY



PET STRAPPING TENSIONERS

Product description	For rim widths (mm)	Product code
Tightener for strap	13-25	MVK1R25PP
Tightens, locks the lock and cuts the strap	13	MVK13
Tightens, locks the lock and cuts the strap	16	MVK16
Locks the strap by friction welding	9-16	PAKITA20
Locks the strap by friction welding	9-19	PAKSTB60



MVK1R25PP
Käyttöohje sivu 20-10



MVK13-16



PAKITA20*



PAKSTB60*

PAKITA 20 Tightens, locks and cuts the plastic strap. The machine uses friction welding as a locking method. The machine tightening strength is 220kg.

PAKSTB60 with manual tightening, also locks and cuts the plastic strap. The machine uses friction welding as a locking method. The machine tightening strength is 220kg.

PET STRAPPING ROLLEY

For inner diameter (mm)	For strap widths (mm)	Product code
406	12-19	TVKEVA



PP PLASTIC STRAPS AND ACCESSORIES

PP PLASTIC STRAP

Strap dimensions/ roll inner diameter (mm)	Breaking strength (kg)	Meter/ roll	Color	Packing size		Product code
				roll/box	roll/pallet	
12 x 0,55 - 200	133	3000	Black	2	48	PP1255200M
12 x 0,55 - 406	135	3000	Black	1	40	PP1255406M
12 x 0,63 - 200	155	3000	Black	2	48	PP1263200M
12 x 0,70 - 406	200	2500	Black	1	40	PP1270406M
13 mm + 500 locks	120	1000	Black	1	40	MV13COMBI
16 mm + 400 locks	150	800	Black	1	40	MV16COMBI



PP STRAP LOCK

Strap width (mm)	Packing size (pcs/box)	Product code
12/13	2000	MV13LUY
15/16	1000	MV16LUY
12/13	1000	MV13LUM
15/16	1000	MV16LUM

MV13LUY /
MV16LUYMV13LUM /
MV16LUM

Instructions for the lock are
found on page 20-10

PP STRAPPING TENSIONERS

Product description	For strap widths (mm)	Product code
Strap tightener, with strap cutter for plastic lock	13-25	MVKIR25PP
Tightens, locks the lock and cuts the strap	13	MVK13
Tightens, locks the lock and cuts the strap	16	MVK16
Locks the strap by friction welding	9-16	PAKITA20
Locks the strap by friction welding	9-19	PAKSTB60

MVKIR25PP
Instructions on page 20-10

MVK13-16



PAKITA20*



PAKSTB60*

*PAKITA 20 Tightens, locks and cuts the plastic strap. The machine uses friction welding as a locking method. The machine tightening strength is 220kg.

*PAKSTB60 with manual tightening, also locks and cuts the plastic strap. The machine uses friction welding as a locking method. The machine tightening strength is 220kg.

PP STRAPPING TROLLEY

Inner diameter (mm)	For strap widths (mm)	Product code
200	5-15	PPKEVA
406	12-19	TVKEVA
76/150/200/280	13-38	WGKEVA



PPKEVA



TVKEVA



WGKEVA

STEEL STRAPS AND ACCESSORIES

STEEL STRAPS

Roll size approx. (kg)	Spools on pallet	Pallet weight appr. (kg)	Product code
50	12	600	TV13
50	12	600	TV16
50	12	600	TV19
50	18	900	TV32



STEEL STRAP LOCK

Product description	For strap widths (mm)	Package size (pcs/box)	Product code
The steel strap buckle is suitable for locking pliers and pneumatic tools	13	2000	TVLU13
The steel strap buckle is suitable for locking pliers and pneumatic tools	16	2000	TVLU16
The steel strap buckle is suitable for locking pliers and pneumatic tools	19	2000	TVLU19
The steel strap buckle is suitable for locking pliers and pneumatic tools	32	1000	TVLU32



STEEL STRAP TOOLS

Product description	For strap widths (mm)	Product code
Tightens, locks by piercing and cuts the strap	13-19	PIKE1319
Tightens the strap, is suitable for round objects, requires locking pliers	13-19	TVTK1319P
Tightens the strap, is suitable for round objects, requires locking pliers	32	TVTK32
Steel strap cutter with long handle	13-32	TVLEIK
Steel strap cutter with long handle	13-32	TVLEIK2

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



PIKE1319



TVTK1319P



TVTK32



TVLEIK



TVLEIK2

STEEL STRAP LOCKING TOOL

Product description	For strap widths (mm)	Product code
presses the buckle around the steel strap	13	TVPIH13
presses the buckle around the steel strap	16	TVPIH16
presses the buckle around the steel strap	19	TVPIH19
presses the buckle around the steel strap	32	TVPIH32

Products have 1-2 weeks delivery



STEEL STRAPPING TROLLEYS

For inner diameter (mm)	For strap widths (mm)	Product code
406	12-19	TVKEVA
406	32	*TVKEVA32

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



TVKEVA32

TVKEVA

CORNER PROTECTORS FOR PLASTIC AND STEEL STRAPS

Cardboard corner protector
35 x 35 x 3 x 100 mm
1050 pcs / box
Product code: SIKUSP10035



Cardboard corner protector
60 x 60 x 3 x 100 mm
600 pcs / box
Product code: SIKUSP100



Plastic corner protector
40 x 40 mm
2000 pcs / box
Product code: SIKUSM40



HAND WRAPPING FILMS

Film width (mm)	Film in roll (m)	Film thickness (mm)	Packing size	Product code
450	300	0,017	6 roll/box	KK45017
100	150	0,017	40 roll/box	KK100

Also other film thickness available!



MANUAL STRETCH FILM WRAPPING TOOL

Code	Product code
For 450 mm tightening film	KKKL450
For 100 mm tightening film	KKKL100



PALLET COVER PLASTIC

Product code	Sheet size (mm)	Film thickness (mm)	Sheets/roll	Product code
PAKMUOV12	1300 x 1700	0,035	200	PAKMUOV12



PACKING TAPES

Tape amount on roll (m)	Tape width (mm)	Packing size (roll/box)	Tape Color	Product code
66	50	36	Brown	PAKT50R



TAPE TOOL

Product code
PAKTEKO



PACKING LIST POCKETS

Size	Packing size (pcs / box)	Product code
C6	1000	PAKTAS1
C5	1000	PAKTAS2



CHINGI EXPERT

IUBEȘTE SIGURANȚA



www.chingiexpert.ro

office@chingi-expert.ro

0749 090 725

Santuhalm - Strada Valea Cernei 121, Deva, Hunedoara