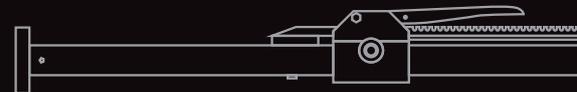
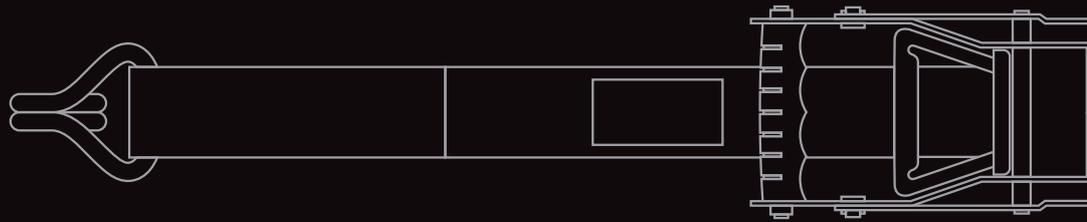
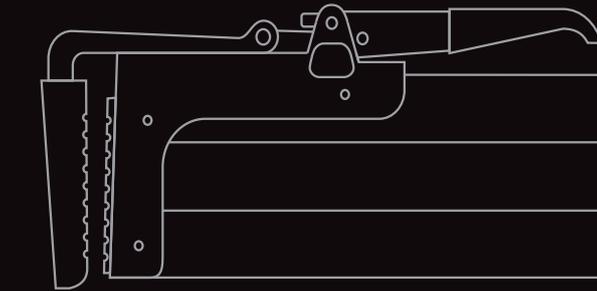




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THE SIMPLE WAY TO SAFETY

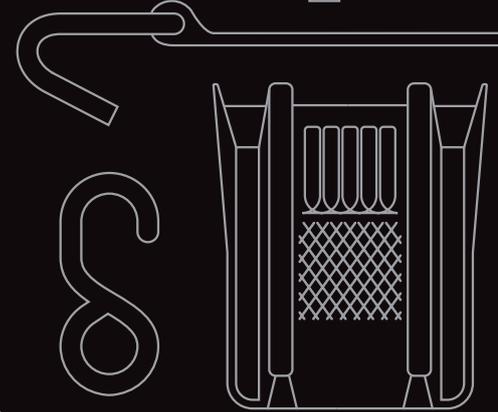
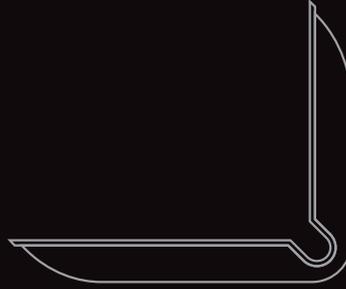
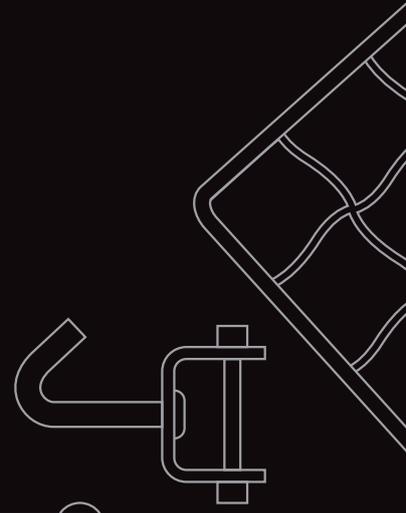




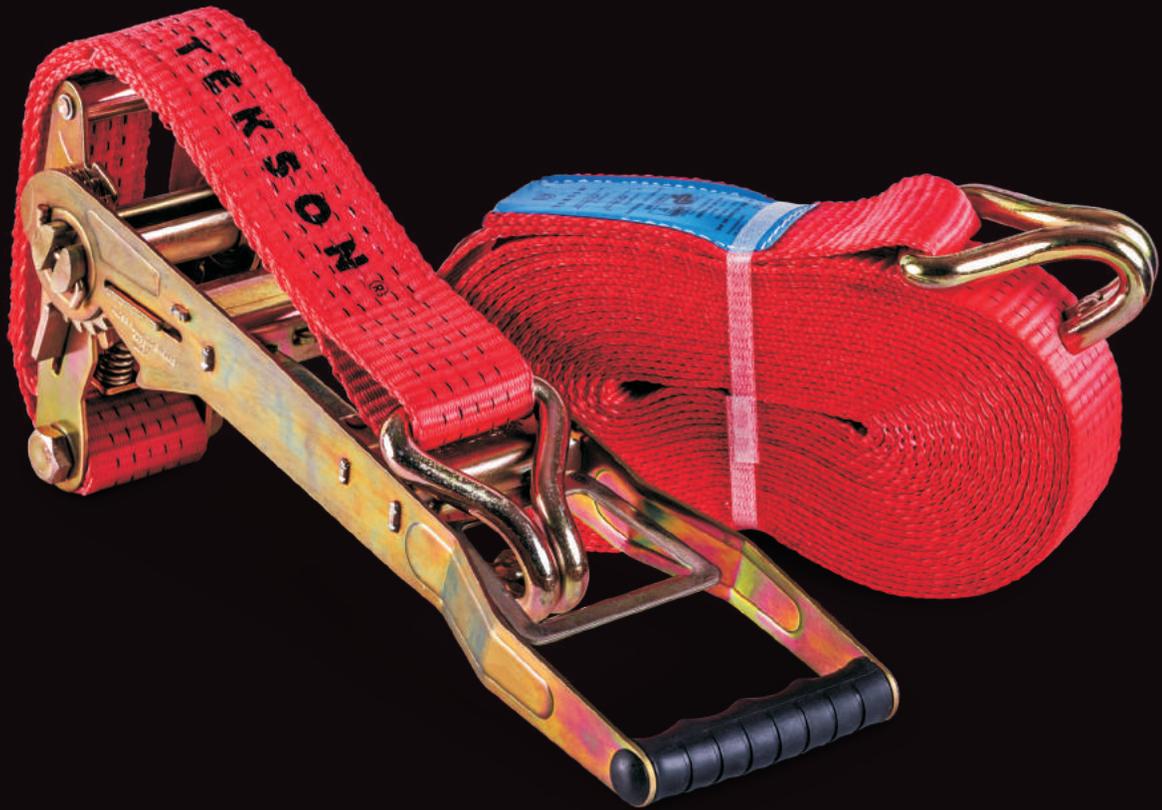
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LASHING STRAPS

THE SIMPLE WAY TO SAFETY



TEKSON®



LASHING STRAPS

Straps are produced according with EN12195-2 which is confirmed by certificate TUV SUD.

THE LABEL ACCORDING TO EN 292-2:1991 STANDARD



TEKSON®



LC 2500 daN



LC 5000 daN

No lifting - only fastening

EN 12195-2



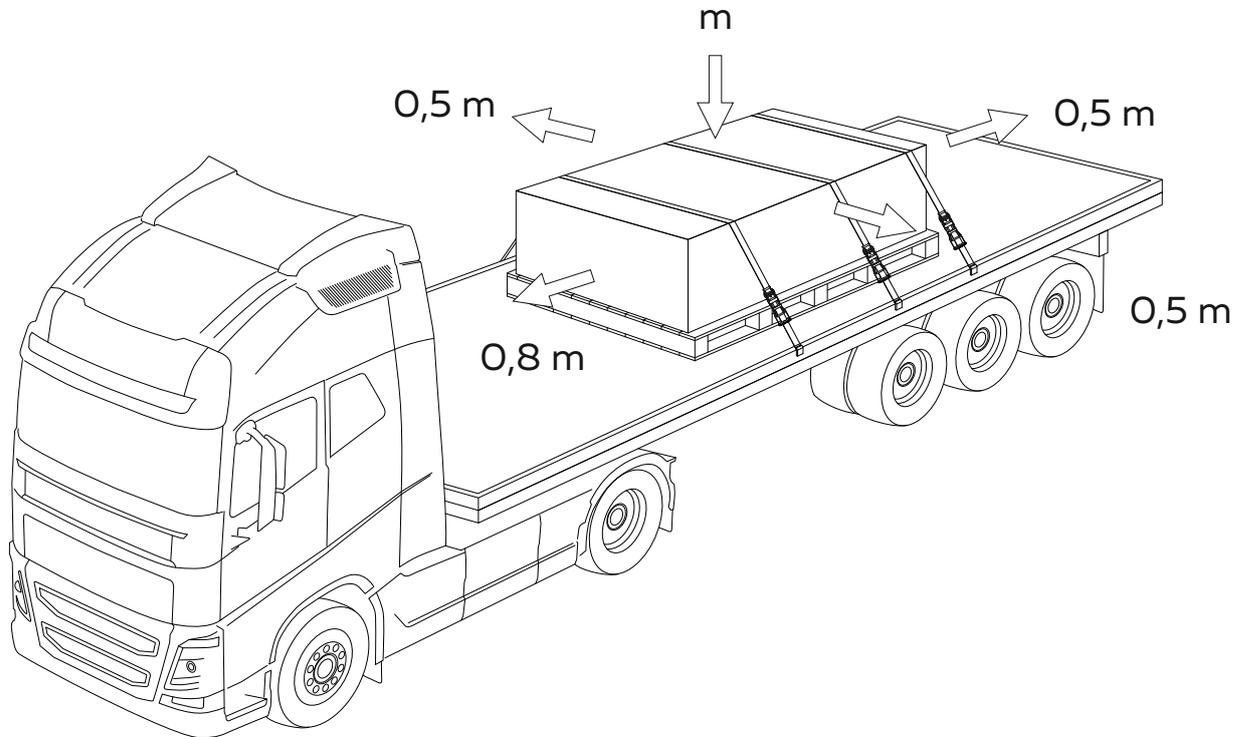

TEKSON No 182031
Length - 3,2m
Elongation < 4%

SHF 50 daN/STF 350 daN

Production date: 2018 **PES**

Technical review			
2019	2020	2021	2022

- 1.** Information about producer or supplier, trademark or another clear identification.
- 2.** Lashing Capacity
Maximum force for straight-line use and for which a lashing strap has been designed for use.
- 3.** WARNING!
- 4.** The number of norm, according which transport strap has been made.
- 5.** TUV and GS trademark, which confirms compliance with the EN standard.
- 6.** The identity code.
- 7.** The length of transport strap (long part and short part).
- 8.** Elongation.
- 9.** Standard Hand Force
Manual tension force of 50 daN applied on the tensioning element.
- 10.** Standard Tension Force
Remaining force after the grip of a ratchet has been released = pre-tension force.
- 11.** The production date.
- 12.** PES – polyester webbing tape.
- 13.** The control table.



SYMBOLS, UNITS AND TERMS:

- n – number of lashing devices
- c_x – longitudinal acceleration coefficient
- c_y – transverse acceleration coefficient
- c_z – transverse acceleration coefficient
- μ – friction factor
- m – mass of the load (kg)
- g – gravitation acceleration (m/s^2)
- α – vertical lashing angle ($^\circ$)
- F_T – tension force of lashing devices (N)
- f – safety factor for frictional lashing, which is 1.25
- μ_D – friction factors of some usual goods and surfaces
- F_R – restraining force of a lashing device (N)
- F_X – longitudinal force actuated by the load
- F_M – longitudinal force of braking.



CALCULATING REQUIRED QUANTITY OF LASHING STRAPS TO SECURE A LOAD DURING THE TRANSPORT

The longitudinal force of braking (F_M) is a simple calculation:

$$F_M = m \times c_x \times g$$

According to EN 12195-1 the value of acts are described in table 1- acceleration coefficients during road transport.

The restraining force of a lashing device (F_R) can be calculated by the equation below:

$$F_R = m \times \mu_D \times g$$

According to EN 12195-1 the value of friction factors is showed in table 2- friction forces of some usual goods and surfaces to be used in calculations.

The longitudinal force of braking (F_X) is the difference between F_M and F_R .

$$F_X = F_M - F_R$$

The equation for calculating the required quantity of lashing straps, n , is:

$$n \geq [(c_{XY} - \mu \times c_2) mg / 2 \times \mu \times \sin \alpha \times F_T] \times f$$

- When driving off, 0.5 times the weight of the load acts in a longitudinal direction ($c_{x,y}$) and the same value acts outside on the bends. When the brakes are applied, it can be 0.8 times the load weight ($c_{x,y}$).

According to EN 12195-1 the value of acts are described in table 1- acceleration coefficients during road transport.

- Value of friction factor is depended on surfaces.
According to EN 12195-1 the value of friction factors are showed in table 2- friction forces of some usual goods and surfaces to be used in calculations.

- CZ is 1 for road transport.
- The mass of the load (m) is multiplied by the gravitation acceleration (g).
- The angle α is vertical angle of lashing strap to loading floor.
- The information about tension force of lashing devices (FT) is usually on the lashing strap label. In this equation LC should be used in Newton, then daN should be multiplied by 10.
- The final value is safety factor for frictional lashing, which is 1.25 (f).

The result of calculation is the information on how many lashing straps we need to have to secure the load.

	acceleration coefficients				
	CX		Cy	CZ	
	sliding	tilting		sliding	tilting
securing in longitudinal direction	1	0,6	-	1	1
transvere direction	-	-	0,5	0,7	1



combination of materials i the contact surface (a)	friction factor μ
sawn wood	
sawn wood-fabric base laminate/plywood	0.45
sawn wood-grooved aluminium	0.4
sawn wood-shrink film	0.3
sawn wood-stainless steel sheet	0.3
plane wood	
plane wood-fabric base laminate/plywood	0.3
plane wood-grooved aluminium	0.25
plane wood-stainless steel sheet	0.2
plastic pallet	
plastic pallet-fabric base laminate/plywood	0.2
plastic pallet-grooved aluminium	0.15
plastic pallet-stainless steel sheet	0.15
steel and metal	
steel crate-fabric base laminate/plywood	0.45
steel crate-grooved aluminium	0.3
steel crate-stainless steel sheet	0.2
concrete	
concrete rough-sawn wood battens	0.7
concrete smooth-sawn wood battens	0.55
anti-slip mat	
rubber	0.6 (b)
other material	as certified ©

FRICTION FACTORS OF SOME USUAL GOODS AND SURFACES TO BE USED IN CALCULATIONS.

a - surface, dry or wet but clean, free from oil, ice, grease.

b - may be used with $f\mu = 1.0$ for direct lashing.

c - when special materials for increased friction like skid-inhibiting mats are applied, a certificate for the friction factor μ is required.



USER MANUAL

1. Use transport straps with undamaged component parts.
2. Use only transport straps, which have the label.
3. Visual check of transport straps is recommended before and after use.
4. Transport straps should be used according to their purpose.
5. Choose the right pressure force, which is indicated on the blue label.
6. Do not reduce transport straps by tying knots.
7. Do not use bonded transport straps.
8. Use transport straps only for load security not hanging/lifting.
9. Protect the labels from damage.
10. Transport straps must be protected against abrasion, friction and damage caused by loads with sharp edges.
11. It is recommended to use edge protectors.
12. Transport straps mustn't be overloaded.

Manual tension force of 50daN applied on tensioning element (50daN on the label, 1 daN = 1kg).

Levers, rods etc. may be used as long as they are part of tension element.

13. During loading and unloading, attention should be paid to the proximity of any low overhead power lines.
14. Use suitable quantity and type of transport straps according to EN 12195-2.
15. Consider the type of use and the type of load.

The size, shape and weight of the load, intended usage, transport environment and the type of cargo determine the correct choice.

For reasons of stability, at least two transport straps must be used for tie-down lashing and two pairs of transport straps must be used for diagonal lashing.

16. During transportation periodically check the tension force.
17. Open the ratchet buckle lever; thread the end of strap into the slit and drag the strap through the slit, until the strap is tight on the load; tighten until the required tension has been achieved, after tightening move the ratchet lever into the close position until the slider engages; open the ratchet lever by approximate 180°.
18. Different security accessories should not be used to secure the load; additional components should be compatible with the securing strap.
19. During use flat hooks must rest with the entire width of the hook.



20. The basic principles of releasing cargo securing:

special care must be taken when releasing cargo securing; make sure that the security release does not cause loss of cargo stability; if necessary, use lifting equipment needed for further transport of the load.

21. The materials, which the transport straps are made of, are limited in chemical resistance. If chemicals are anticipated, please consult your supplier or manufacturer.

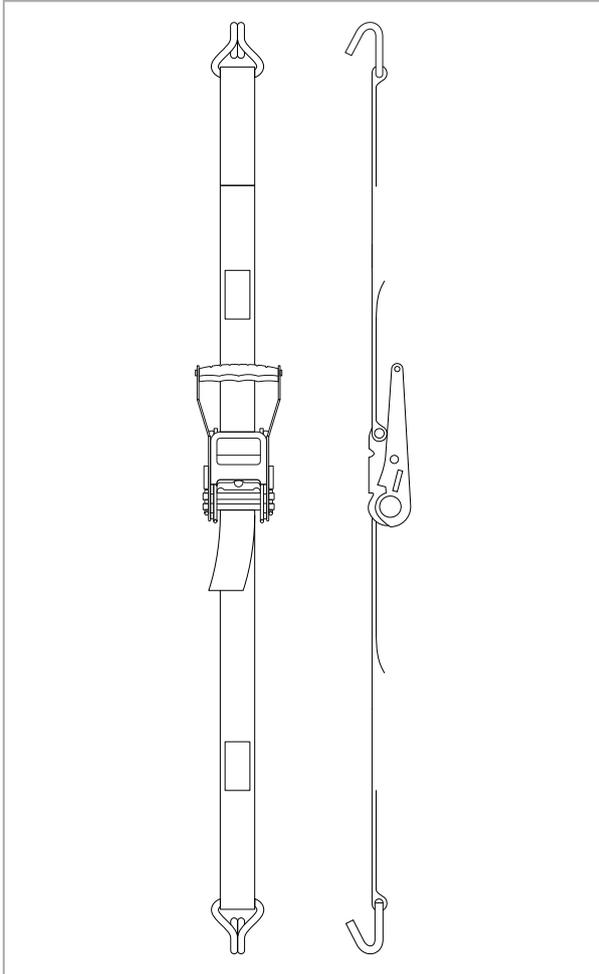
22. Polyester is resistant to mineral acids, but is attacked by alkaline solutions.

23. Transport straps are suitable for use in the temperature ranges: -40°C to $+120^{\circ}\text{C}$ for Polyester (PES).

24. In high temperature environment, check the tension force, again.

25. Transport straps can not be used, if they show any signs of damage: do not have an identification label; are deformed by heating; damaged fibers, stitches, etc.

26. The extension of the transport strap is not more than 7%.



180000

Model: lashing strap 6 m with push - type ratchet 350 daN and double „J” - hook, colour: red

LC [daN]		2500
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LC [daN]		5000
----------	--	-------------

Lenght L _{GF} [m]	0,5
----------------------------	------------

Lenght L _{GL} [m]	5,5
----------------------------	------------

Width [mm]	50
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Elongation [%]	5
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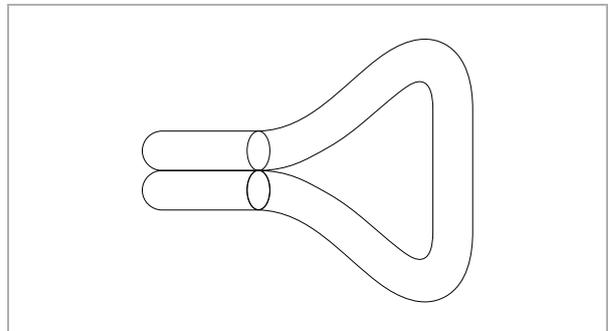
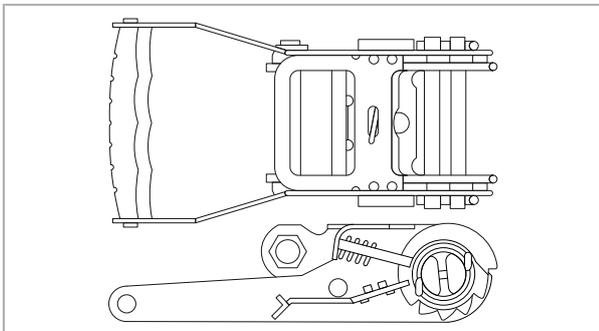
S _{TF} [daN]	350
-----------------------	------------

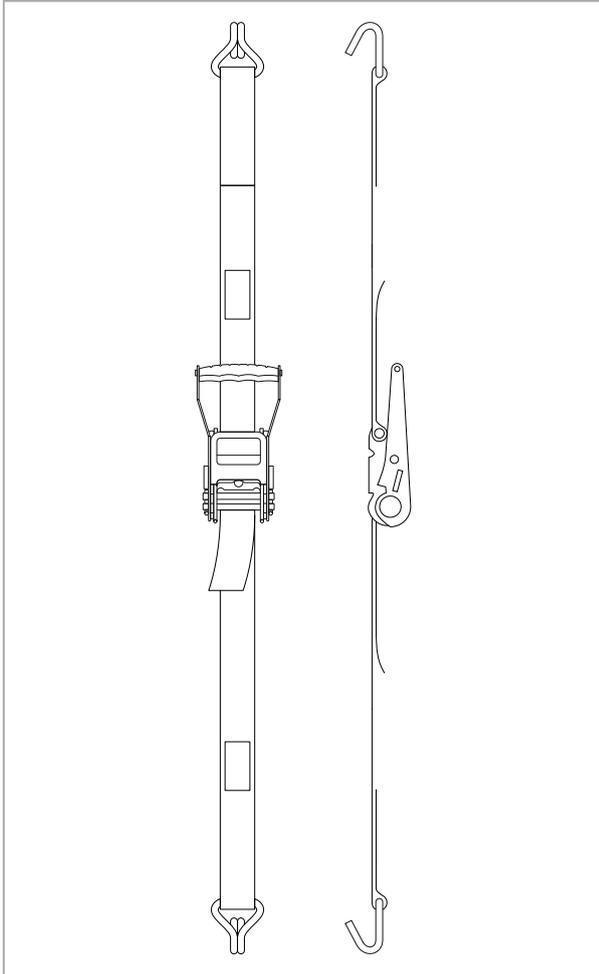
Ratchet buckle

186052

Hook

186000





180010

Model: lashing strap 8 m with push - type ratchet 350 daN and double „J” - hook, colour: red

LC [daN]		2500
----------	--	-------------

LC [daN]		5000
----------	--	-------------

Lenght L_{GF} [m]	0,5
---------------------	------------

Lenght L_{GL} [m]	7,5
---------------------	------------

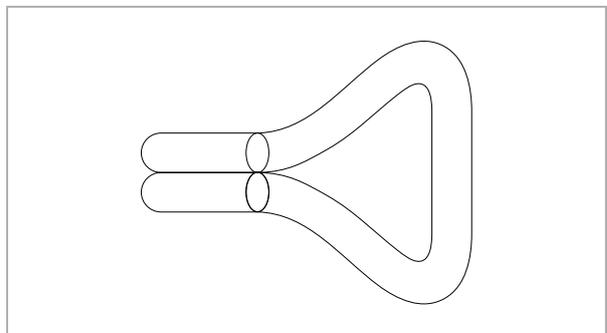
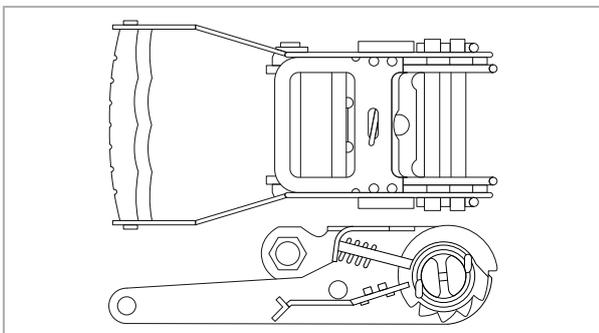
Width [mm]	50
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Elongation [%]	5
----------------	----------

S_{TF} [daN]	350
----------------	------------

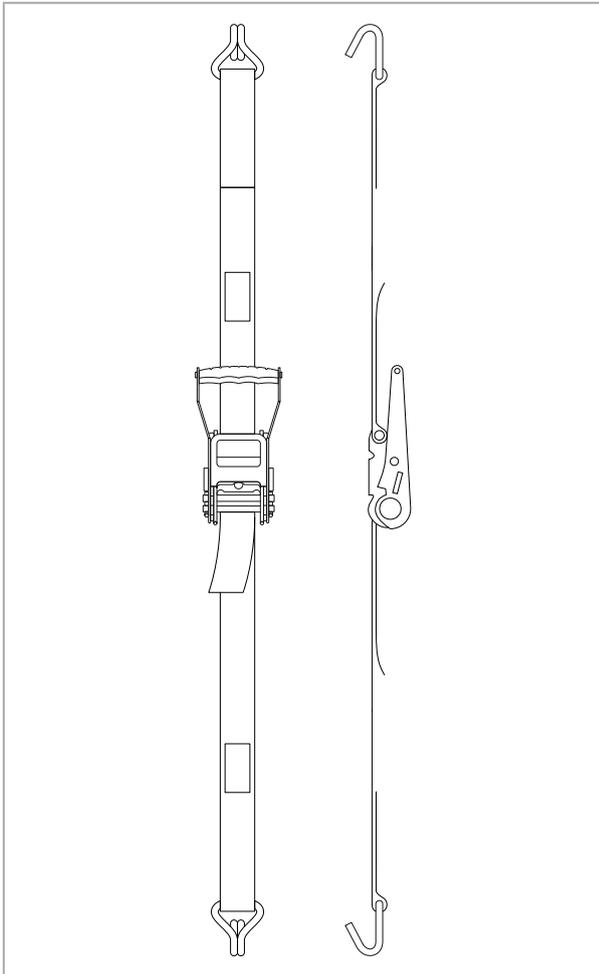
Ratchet buckle **186052**

Hook **186000**





TEKSON®



180020

Model: lashing strap 10 m with push - type ratchet 350 daN and double „J” - hook, colour: red

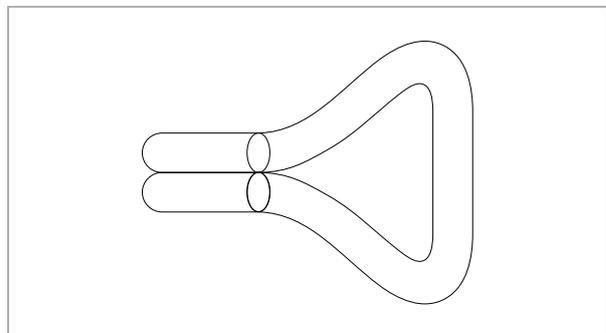
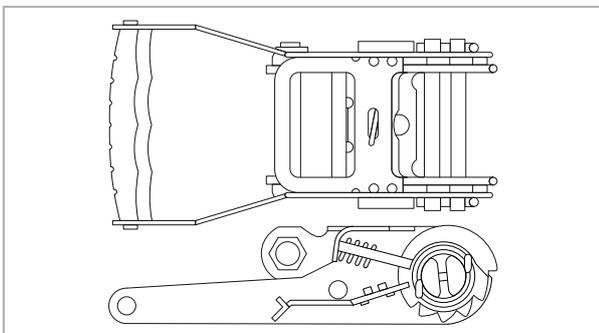
LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		9,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		350

Ratchet buckle

186052

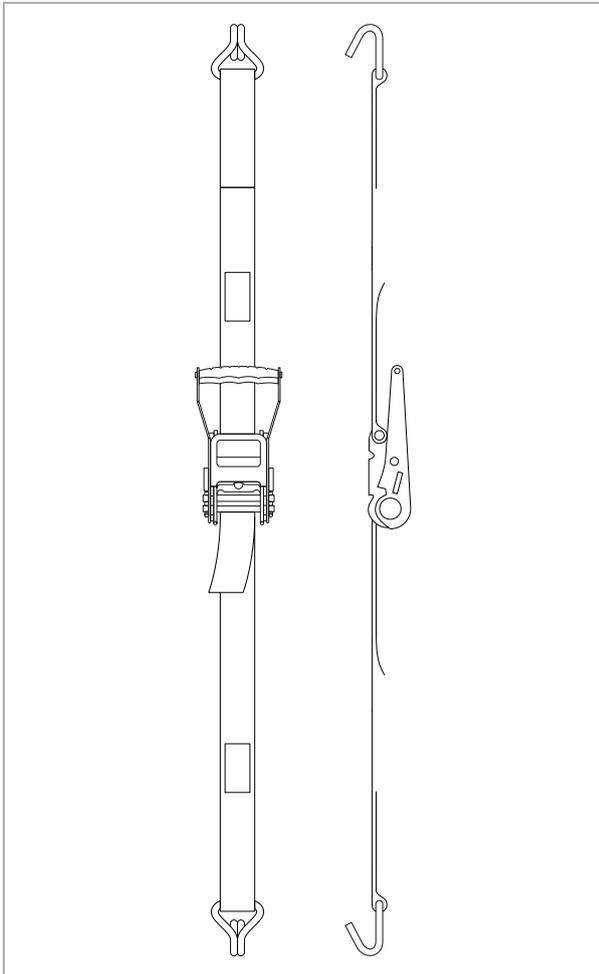
Hook

186000



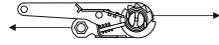


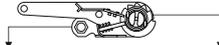
TEKSON®



180030

Model: lashing strap 12 m with push - type ratchet 350 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **11,5**

Width [mm] **50**

Elongation [%] **5**

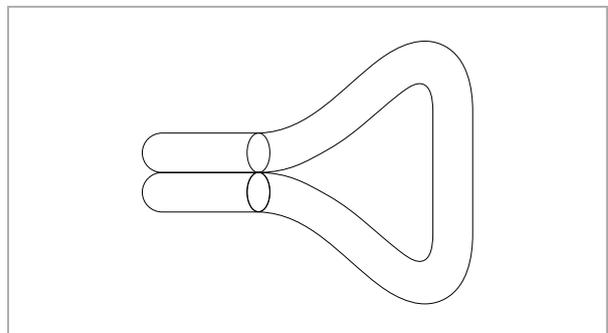
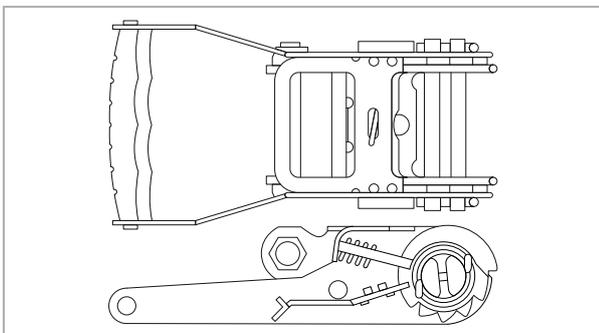
S_{TF} [daN] **350**

Ratchet buckle

186052

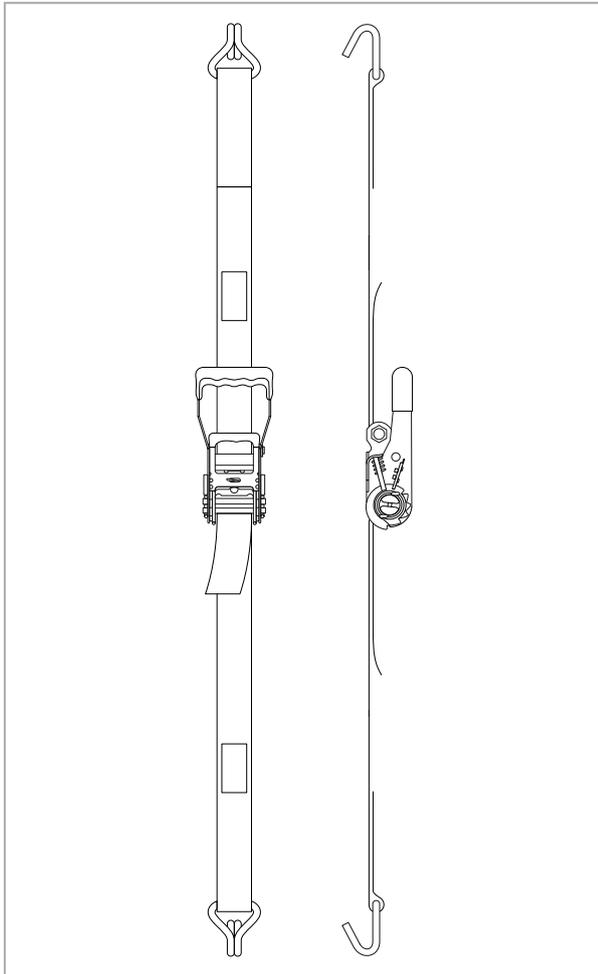
Hook

186000





TEKSON®



180002

Model: lashing strap 6 m with push - type ratchet 350 daN (with short rubber handle) and double „J” - hook, colour: red

LC [daN]		2500
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LC [daN]		5000
----------	--	-------------

Lenght L _{GF} [m]	0,5
----------------------------	------------

Lenght L _{GL} [m]	5,5
----------------------------	------------

Width [mm]	50
------------	-----------

Elongation [%]	5
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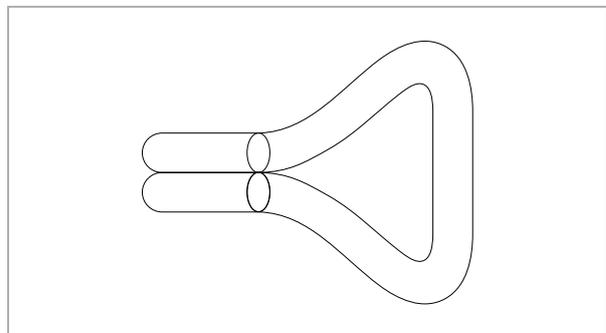
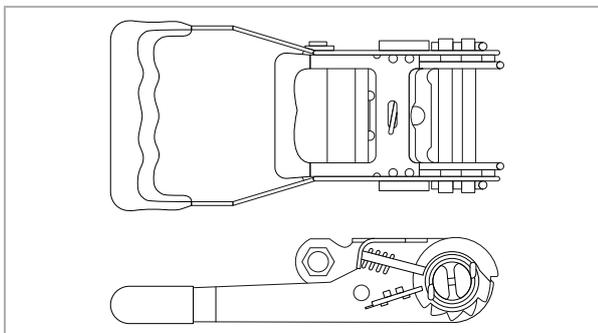
S _{TF} [daN]	350
-----------------------	------------

Ratchet buckle

186053

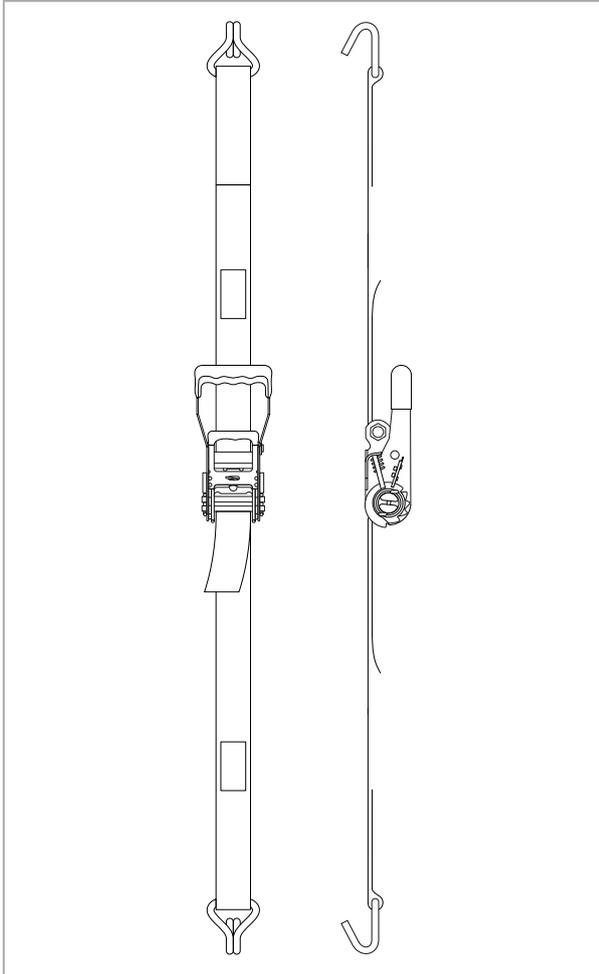
Hook

186000



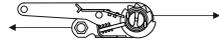


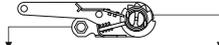
TEKSON®



180005

Model: lashing strap 8 m with push - type ratchet 350 daN (with short rubber handle) and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

Width [mm] **50**

Elongation [%] **5**

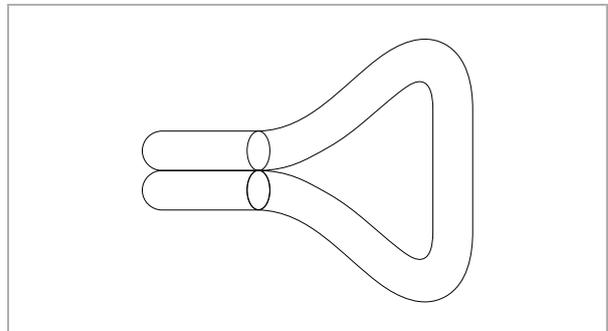
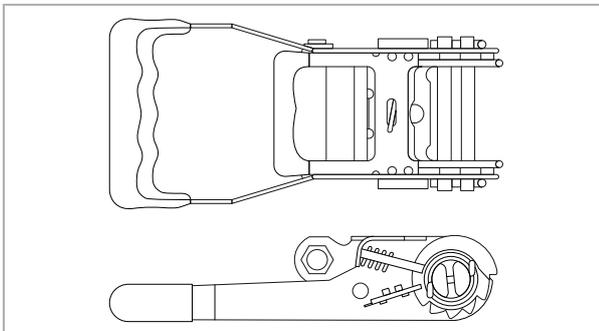
S_{TF} [daN] **350**

Ratchet buckle

186053

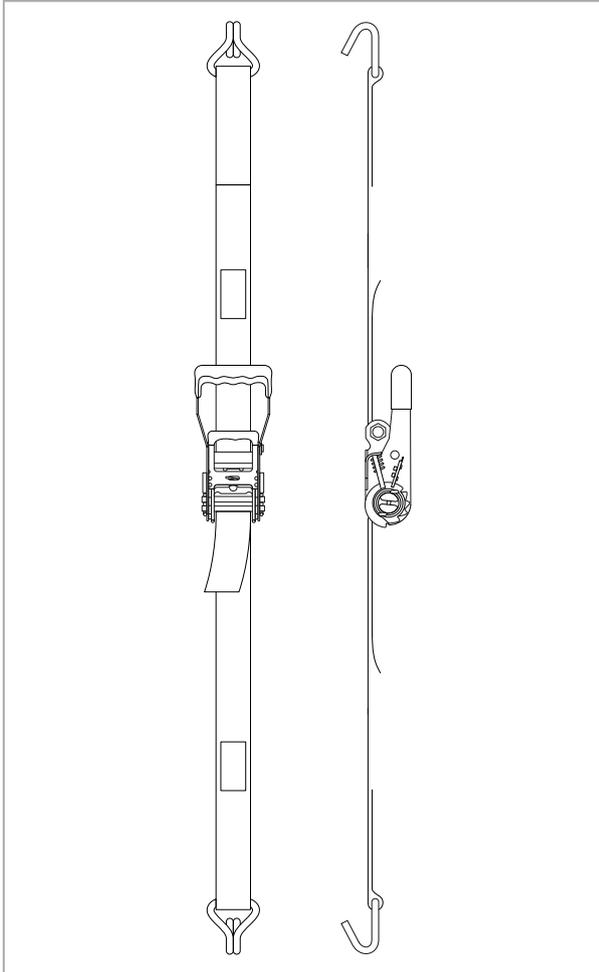
Hook

186000





TEKSON®



180006

Model: lashing strap 10 m with push - type ratchet 350 daN (with short rubber handle) and double „J” - hook, colour: red

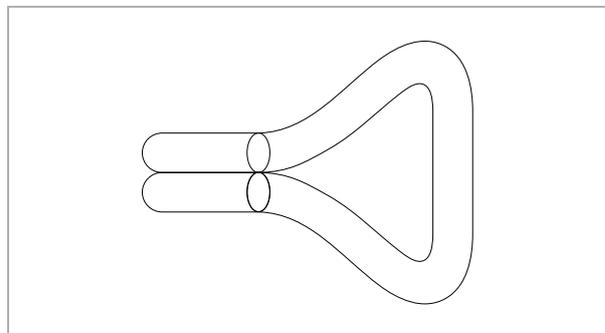
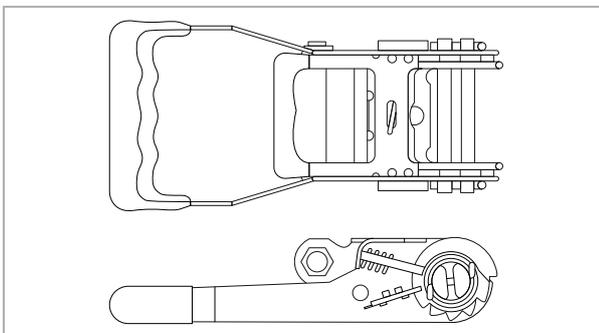
LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		9,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		350

Ratchet buckle

186053

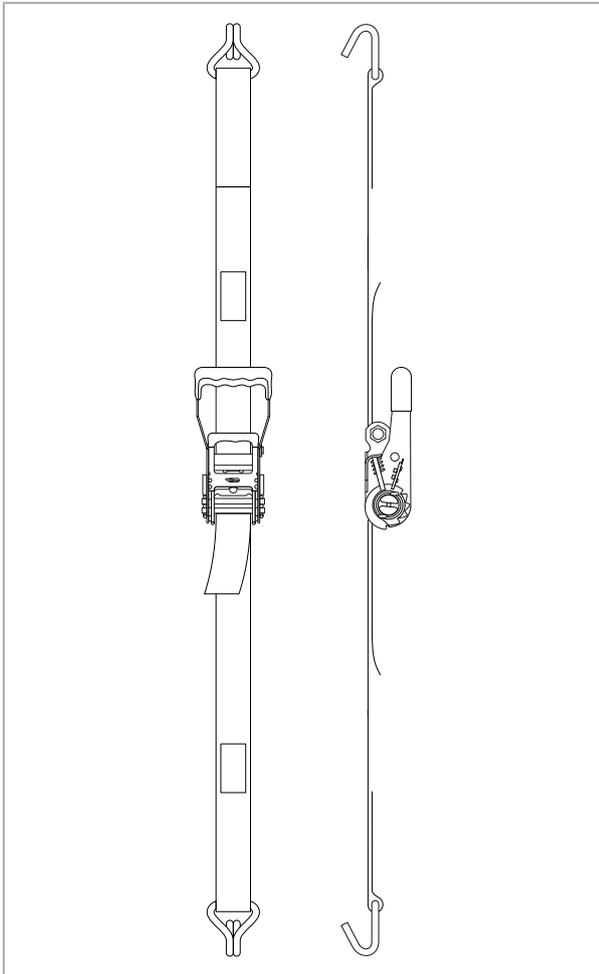
Hook

186000





TEKSON®



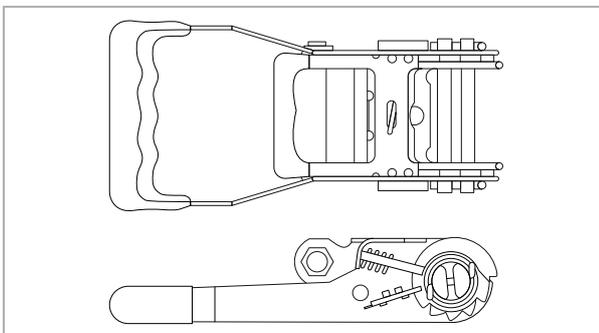
180003

Model: lashing strap 12 m with push - type ratchet 350 daN (with short rubber handle) and double „J” - hook, colour: red

LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		11,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		350

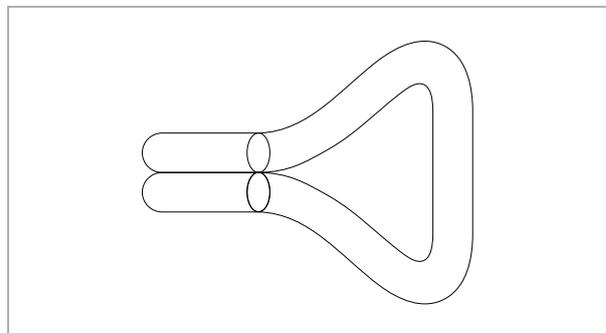
Ratchet buckle

186053



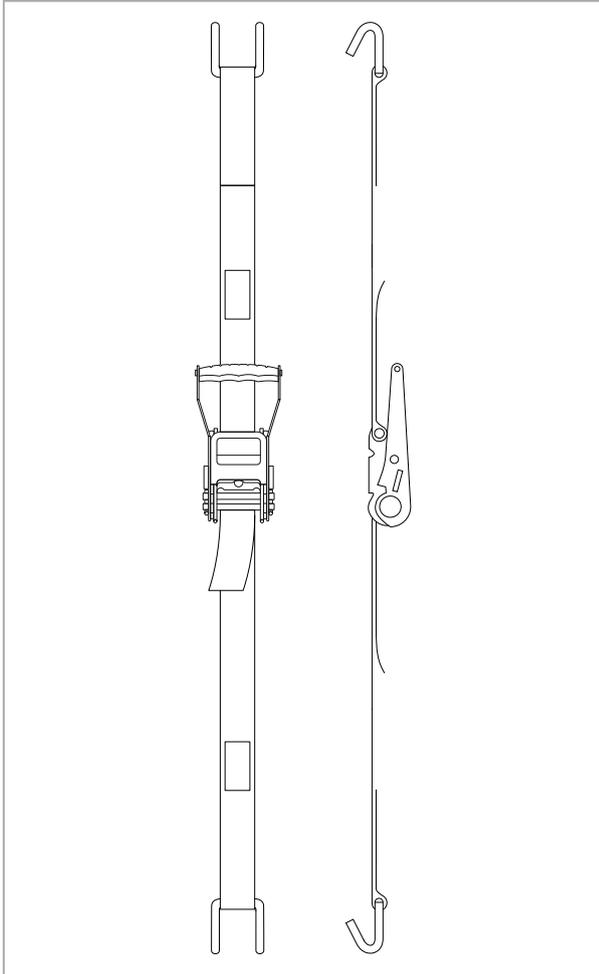
Hook

186000



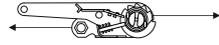


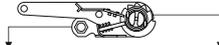
TEKSON®



180014

Model: lashing strap 6 m with push - type ratchet 350 daN and „U” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

Width [mm] **50**

Elongation [%] **5**

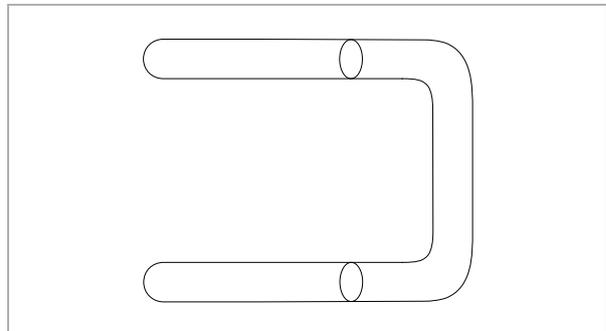
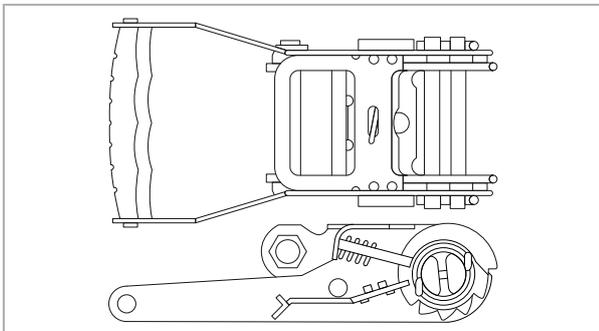
S_{TF} [daN] **350**

Ratchet buckle

186052

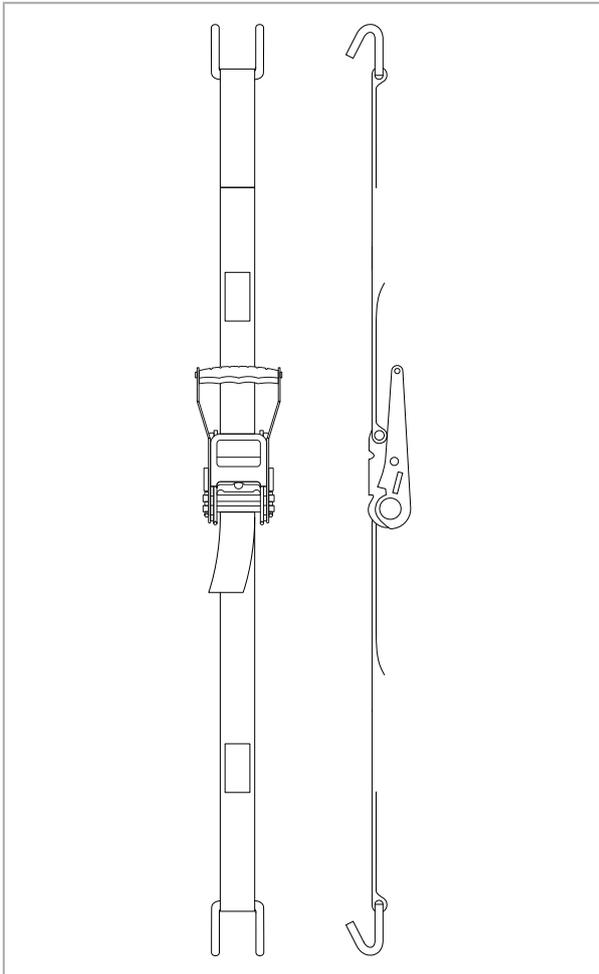
Hook

186009



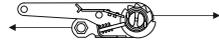


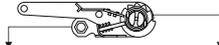
TEKSON®



180015

Model: lashing strap 8 m with push - type ratchet 350 daN and „U” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

Width [mm] **50**

Elongation [%] **5**

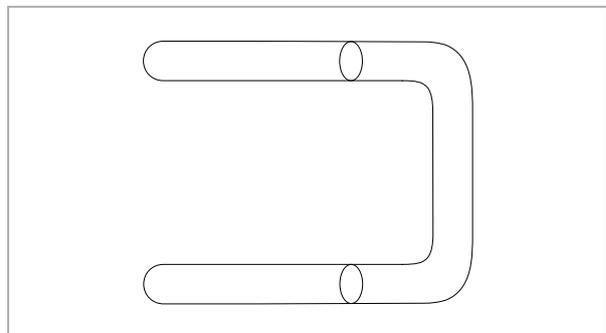
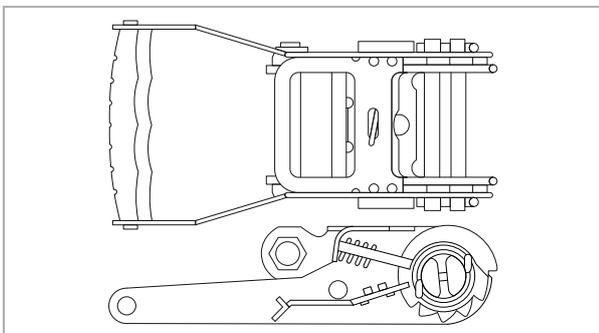
S_{TF} [daN] **350**

Ratchet buckle

186052

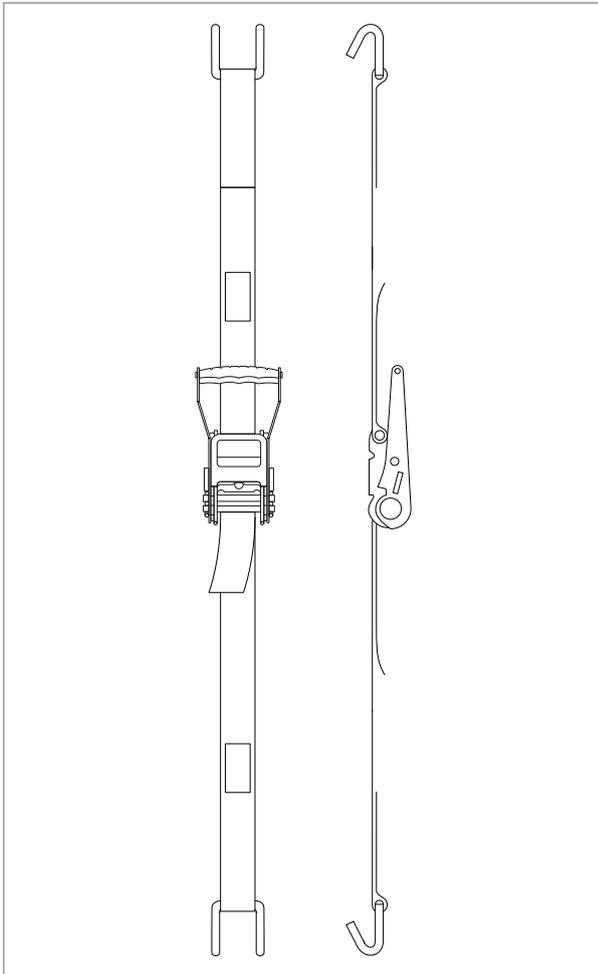
Hook

186009



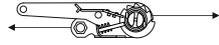


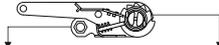
TEKSON®



180016

Model: lashing strap 10 m with push - type ratchet 350 daN and „U” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{CF} [m] **0,5**

Lenght L_{GL} [m] **9,5**

Width [mm] **50**

Elongation [%] **5**

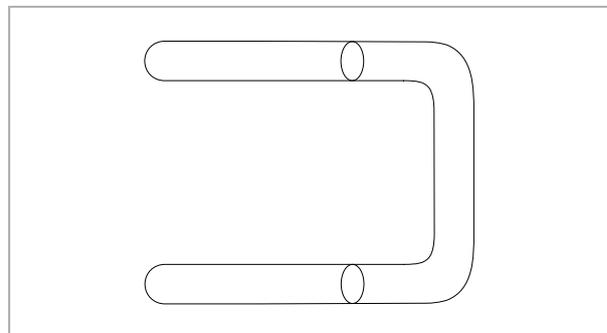
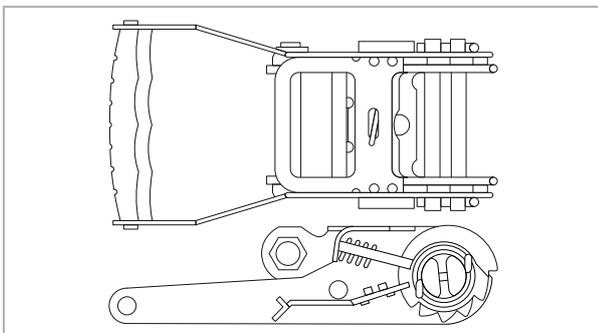
S_{TF} [daN] **350**

Ratchet buckle

186052

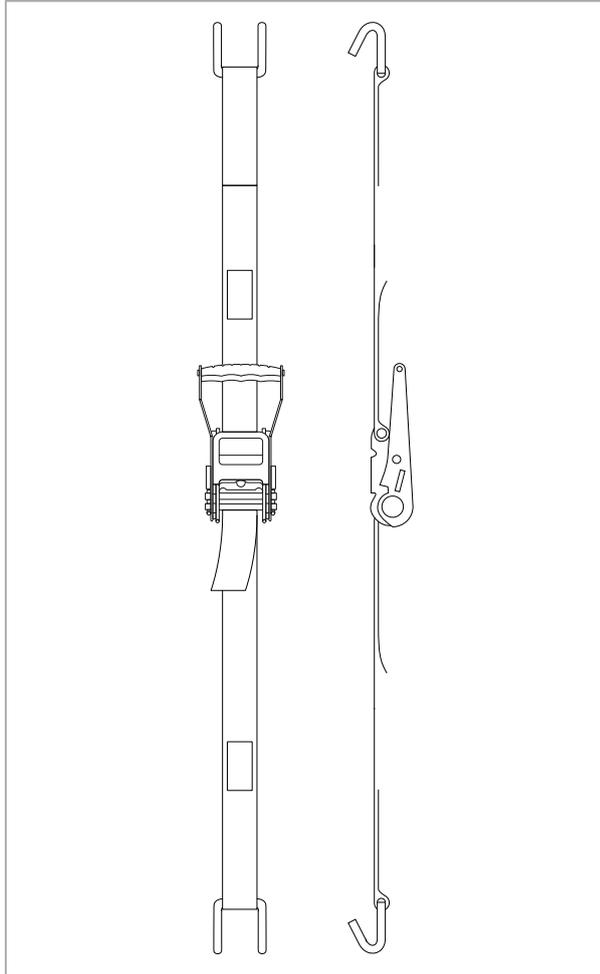
Hook

186009



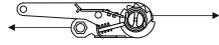


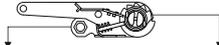
TEKSON®



180017

Model: lashing strap 12 m with push - type ratchet 350 daN and „U“ - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{CF} [m] **0,5**

Lenght L_{GL} [m] **11,5**

Width [mm] **50**

Elongation [%] **5**

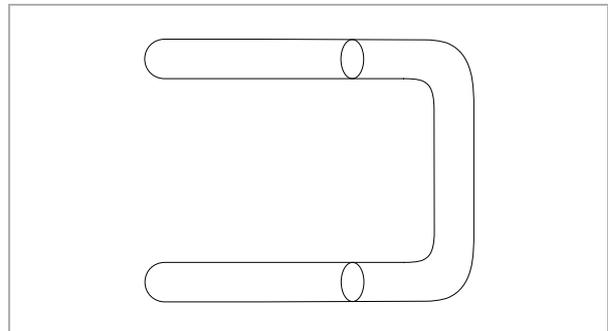
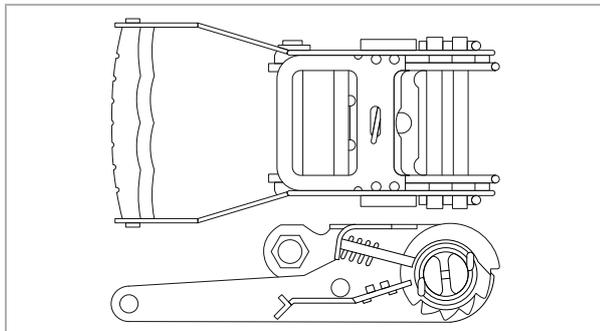
S_{TF} [daN] **350**

Ratchet buckle

186052

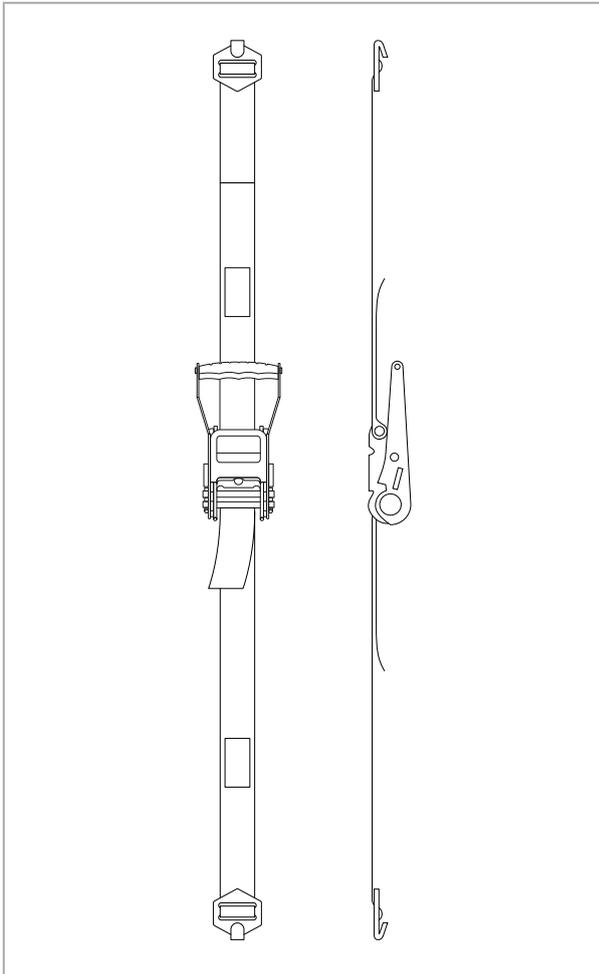
Hook

186009



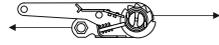


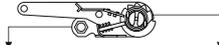
TEKSON®



180011

Model: lashing strap 6 m with push - type ratchet 350 daN and „KRONE“ hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

Width [mm] **50**

Elongation [%] **5**

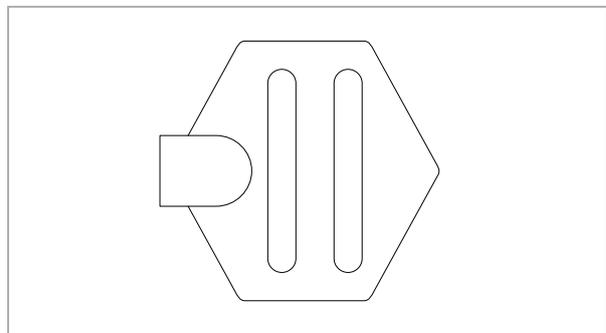
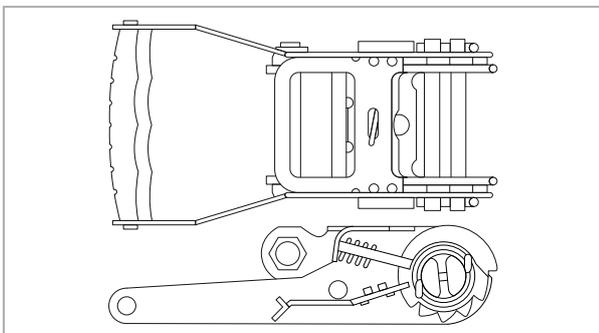
S_{TF} [daN] **350**

Ratchet buckle

186052

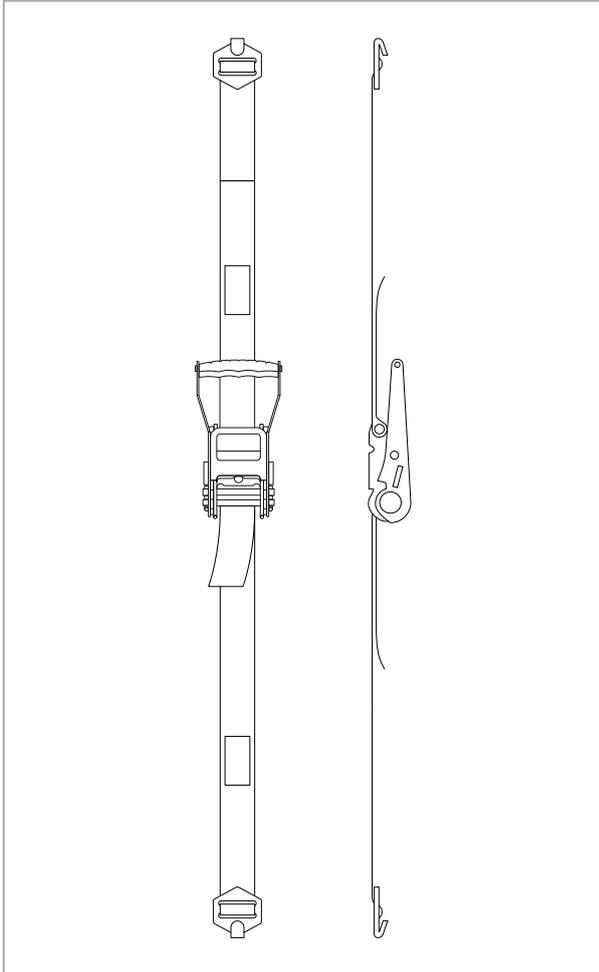
Hook

186002



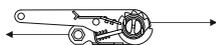


TEKSON®



180008

Model: lashing strap 8 m with push - type ratchet 350 daN and „KRONE“ hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

Width [mm] **50**

Elongation [%] **5**

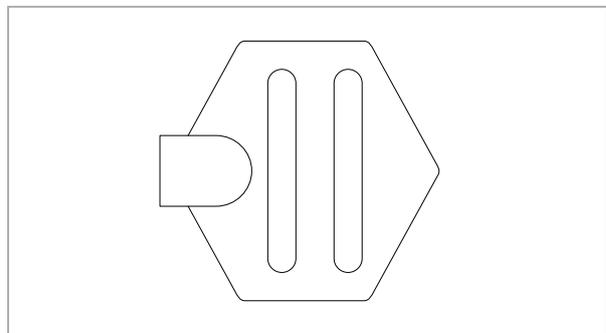
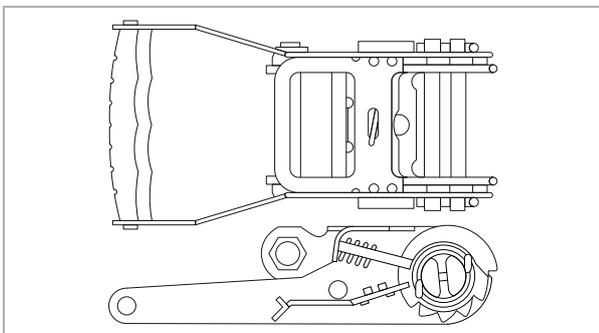
S_{TF} [daN] **350**

Ratchet buckle

186052

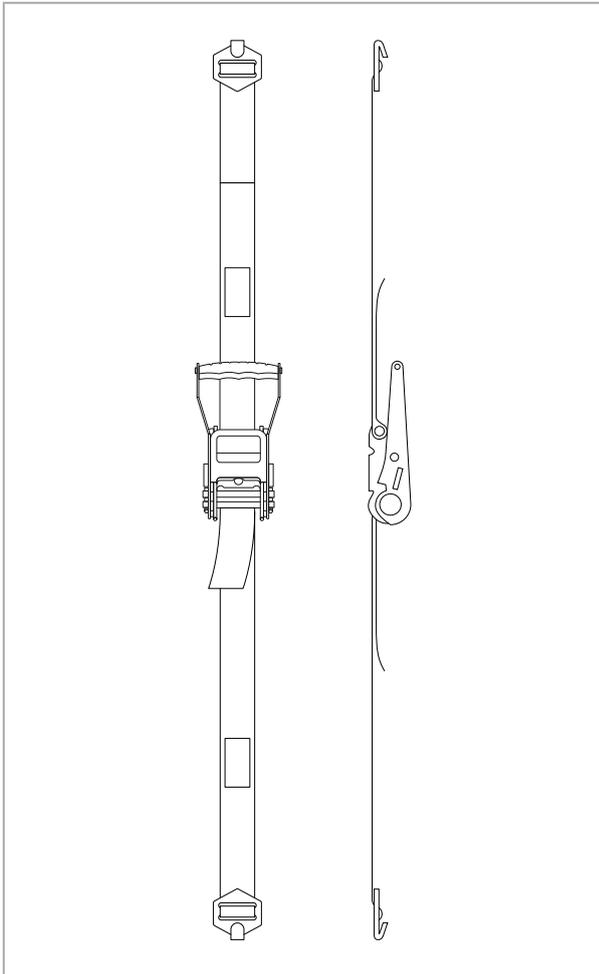
Hook

186002





TEKSON®



180009

Model: lashing strap 10 m with push - type ratchet 350 daN and „KRONE“ hook, colour: red

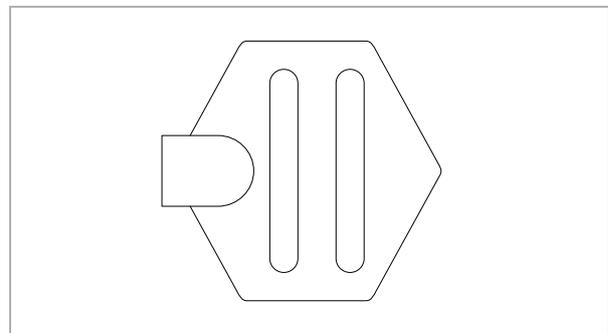
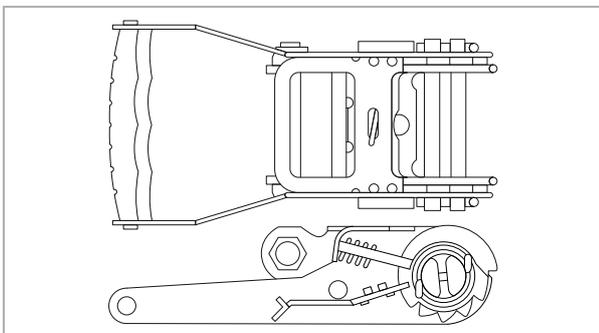
LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		9,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		350

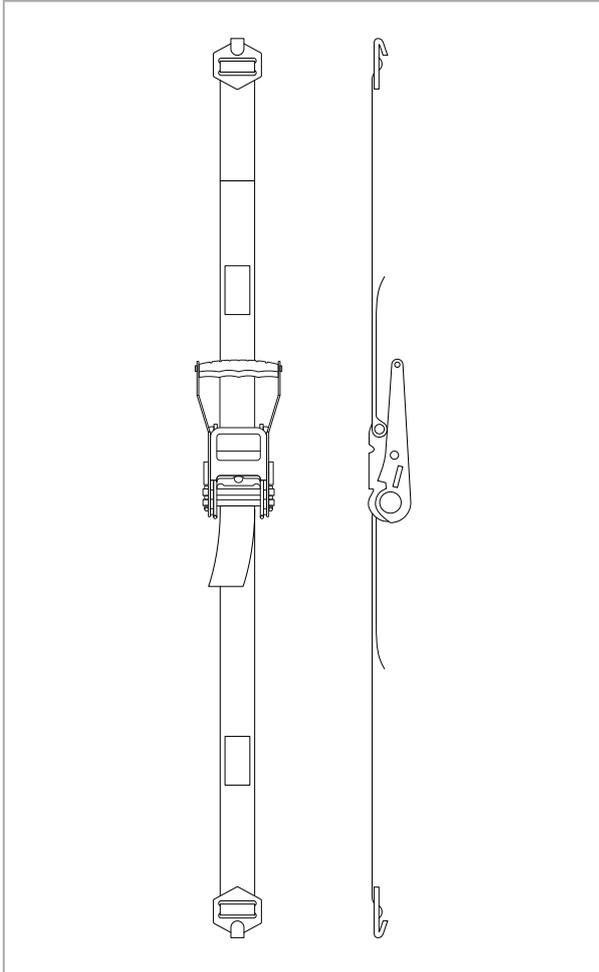
Ratchet buckle

186052

Hook

186002





180012

Model: lashing strap 12 m with push - type ratchet 350 daN and „KRONE“ hook, colour: red

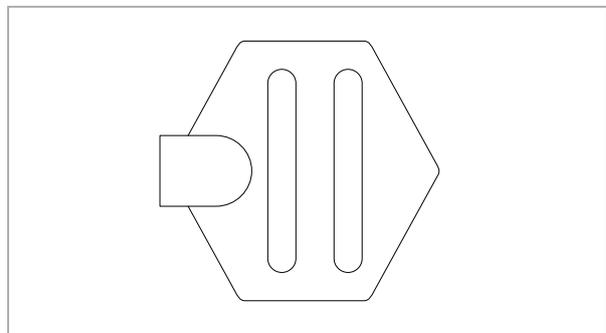
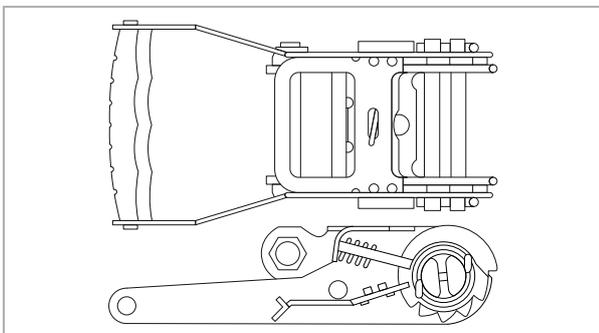
LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		11,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		350

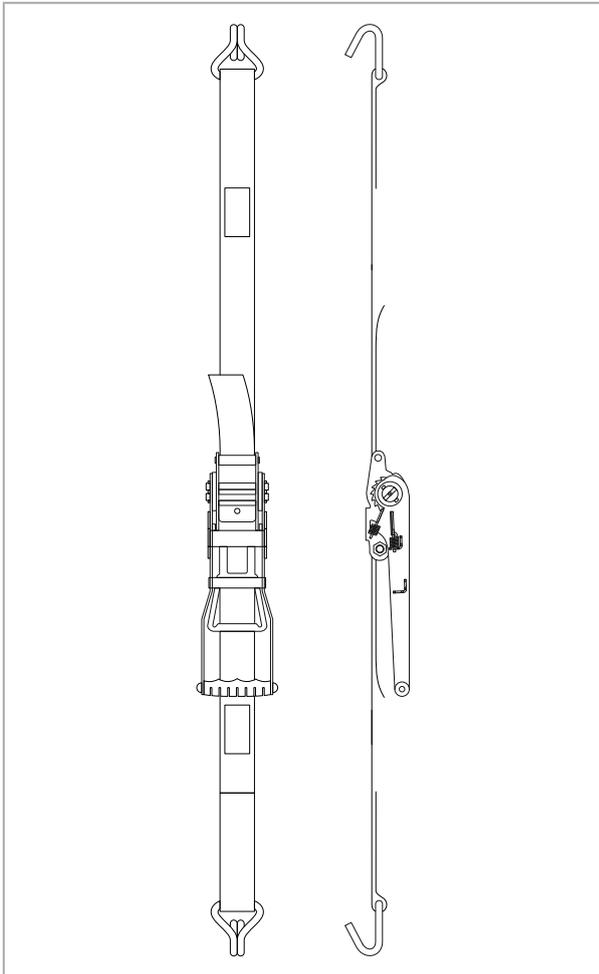
Ratchet buckle

186052

Hook

186002

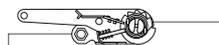




181000

Model: lashing strap 6 m with pull - type ratchet (ERGO) 500 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

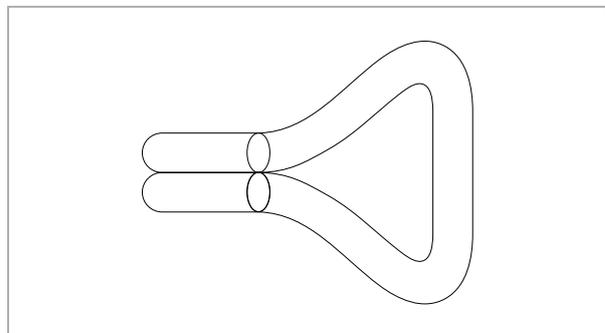
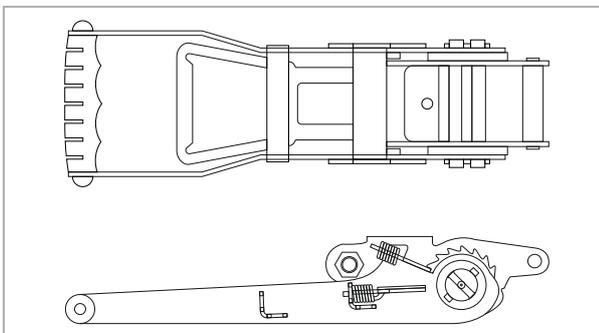
Width [mm] **50**

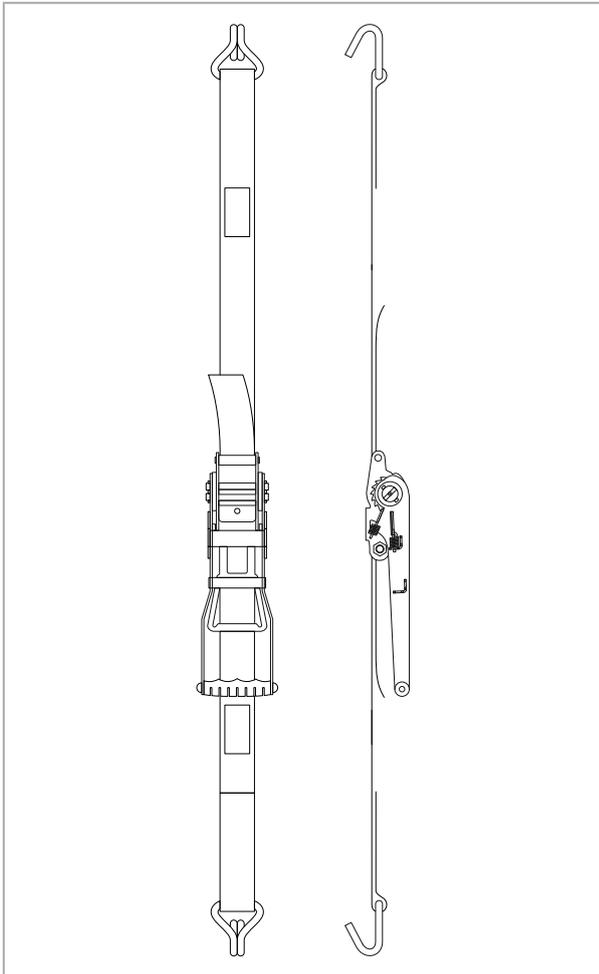
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

Hook **186000**

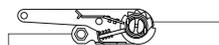




181010

Model: lashing strap 8 m with pull - type ratchet (ERGO)
500 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

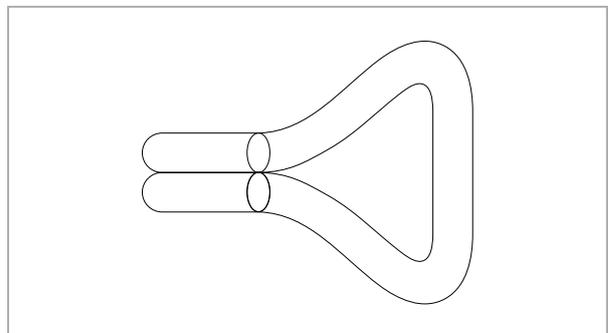
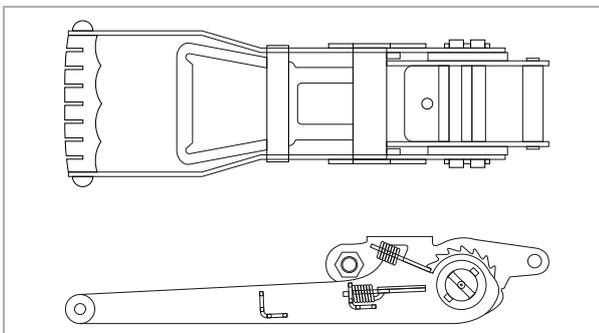
Width [mm] **50**

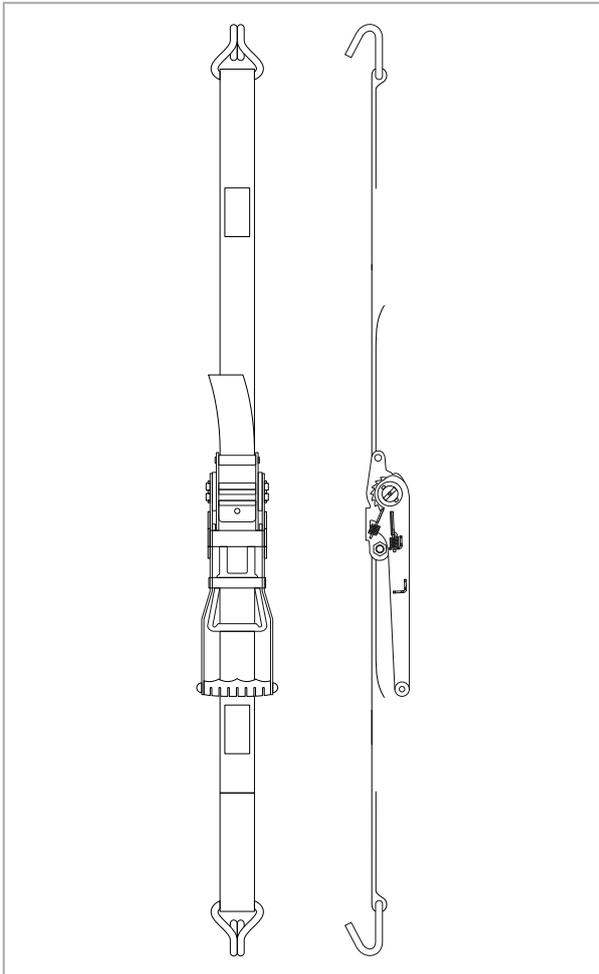
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

Hook **186000**

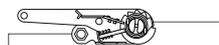




181011

Model: lashing strap 9 m with pull - type ratchet (ERGO)
500 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **8,5**

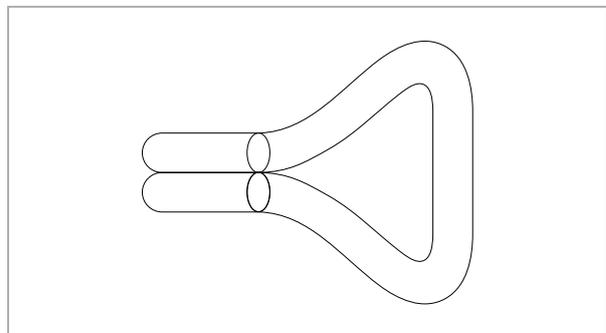
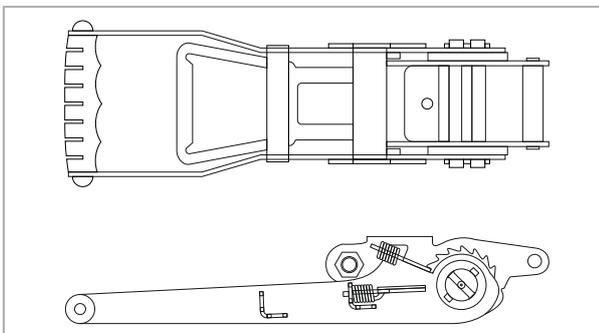
Width [mm] **50**

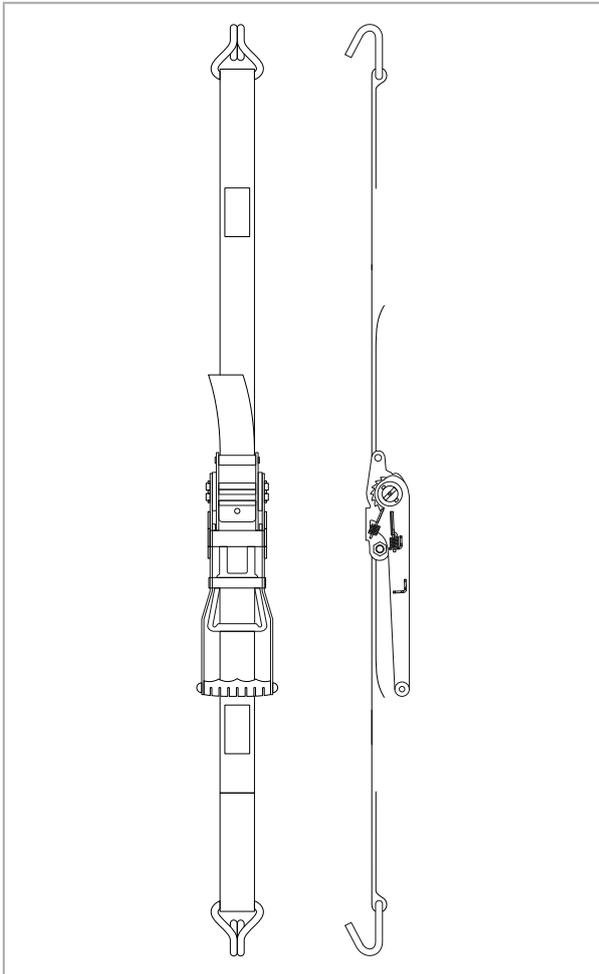
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

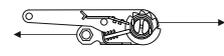
Hook **186000**

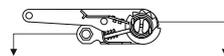




181020

Model: lashing strap 10 m with pull - type ratchet (ERGO) 500 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **9,5**

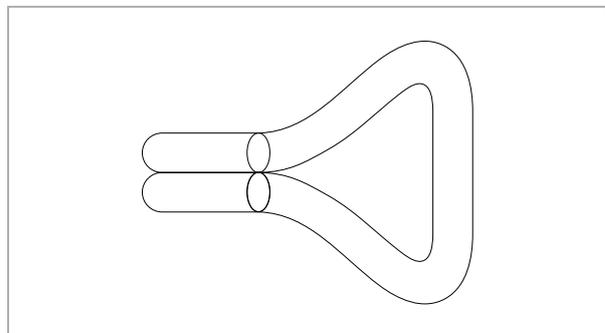
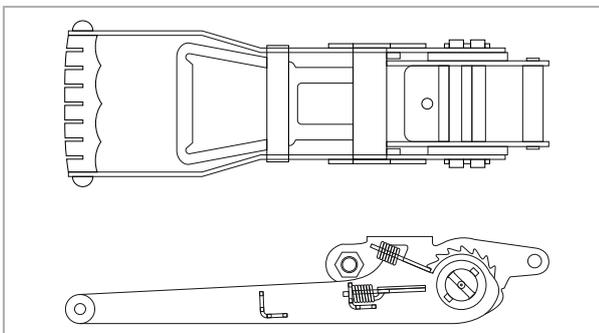
Width [mm] **50**

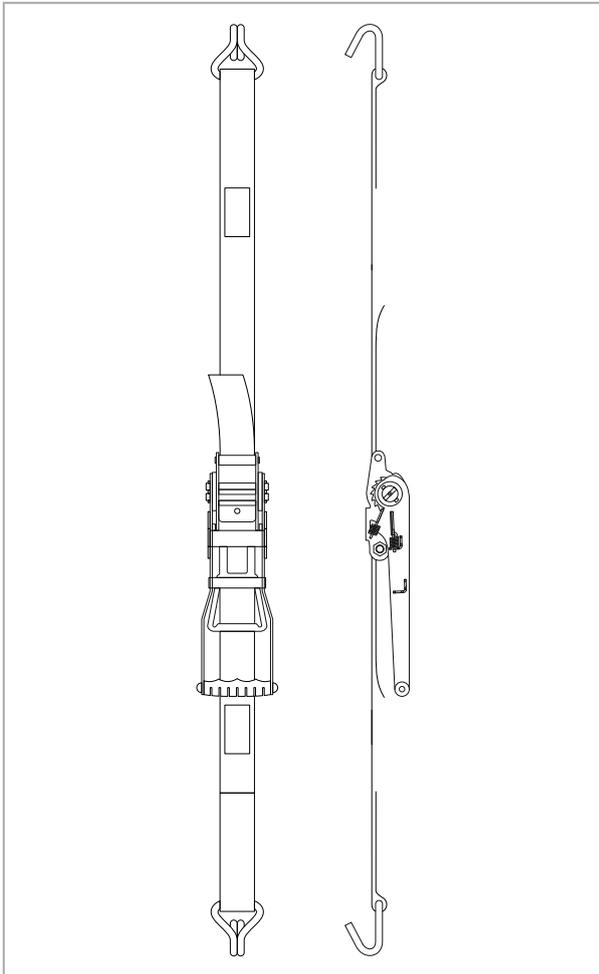
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

Hook **186000**

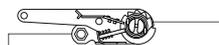




181030

Model: lashing strap 12 m with pull - type ratchet (ERGO) 500 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **11,5**

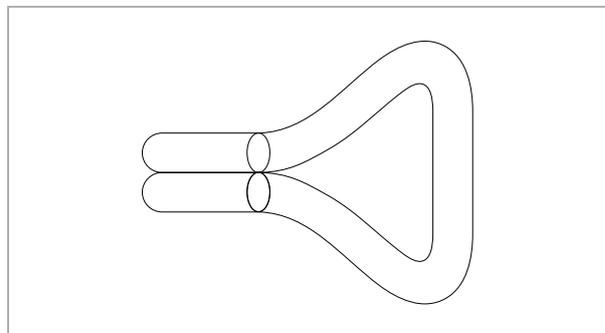
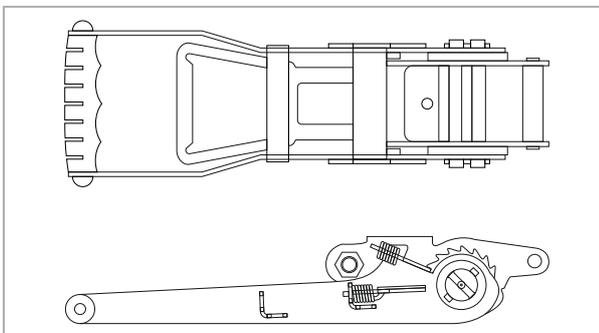
Width [mm] **50**

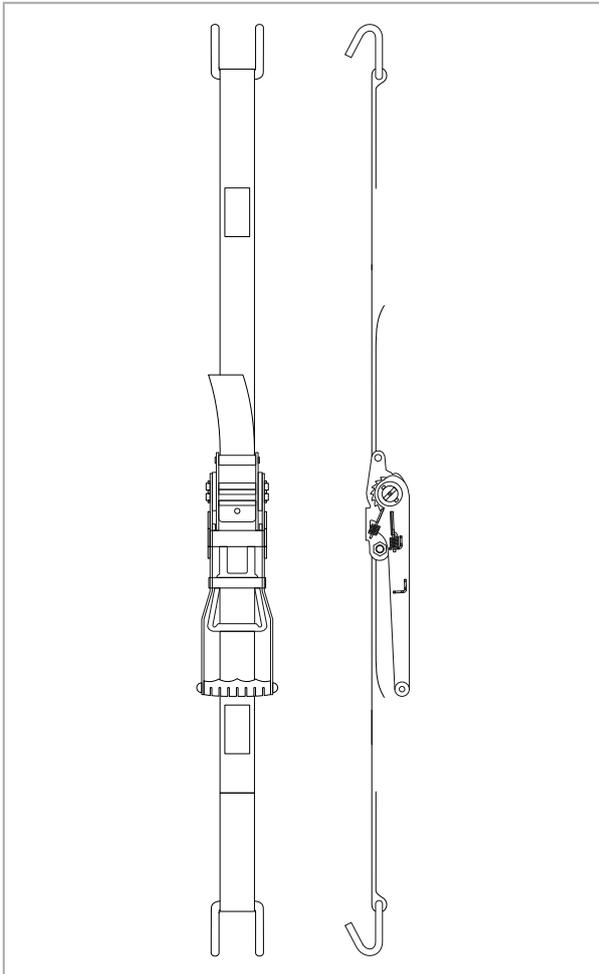
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

Hook **186000**





181014

Model: lashing strap 6 m with pull - type ratchet (ERGO)
500 daN and „U“ - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

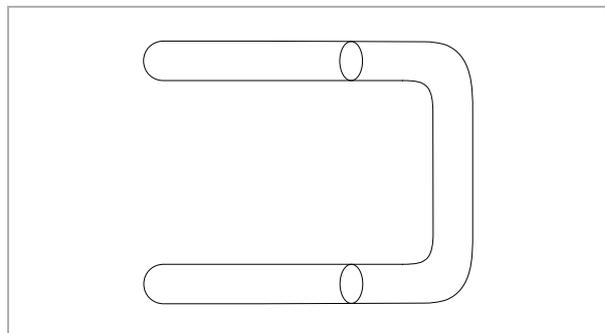
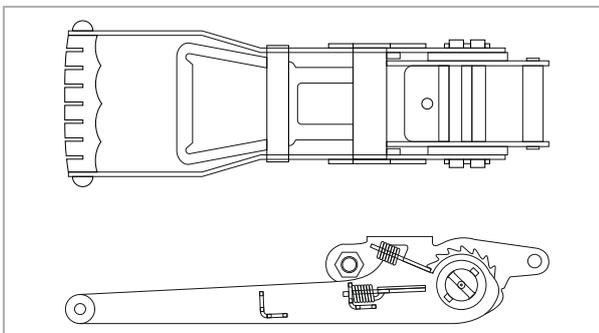
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **500**

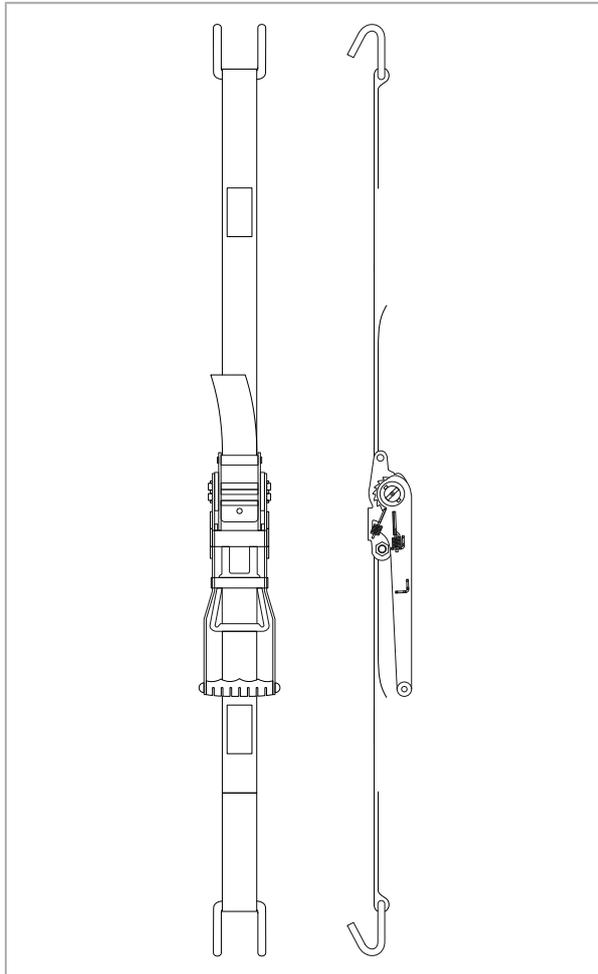
Ratchet buckle **186054**

Hook **186009**



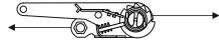


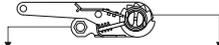
TEKSON®



181015

Model: lashing strap 8 m with pull - type ratchet (ERGO)
500 daN and „U“ - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

Width [mm] **50**

Elongation [%] **5**

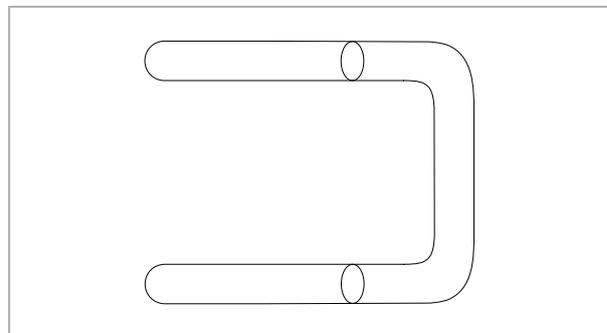
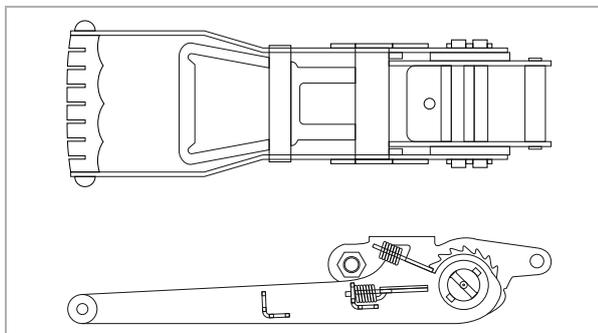
S_{TF} [daN] **500**

Ratchet buckle

186054

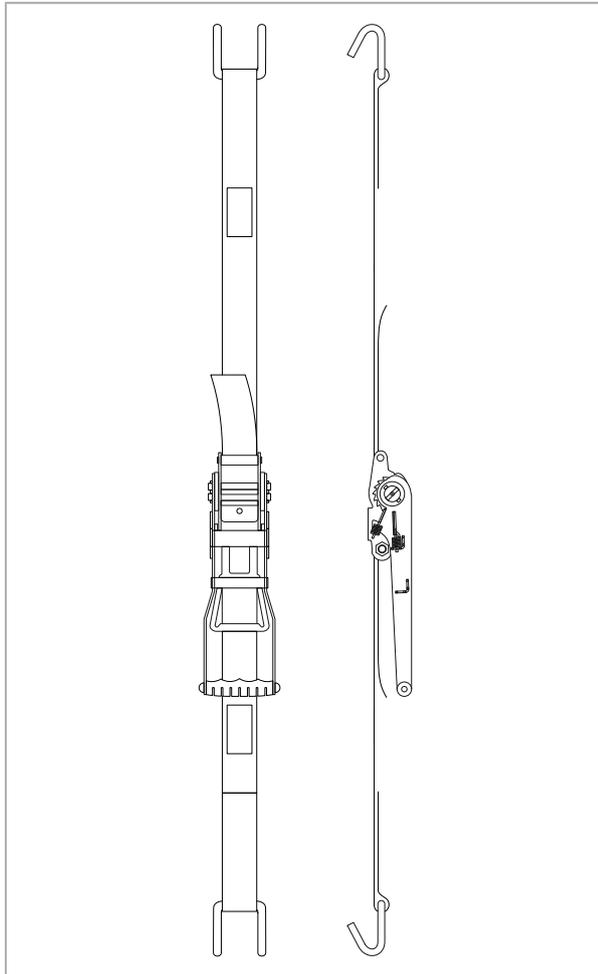
Hook

186009



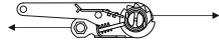


TEKSON®



181016

Model: lashing strap 10 m with pull - type ratchet (ERGO)
500 daN and „U“ - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **9,5**

Width [mm] **50**

Elongation [%] **5**

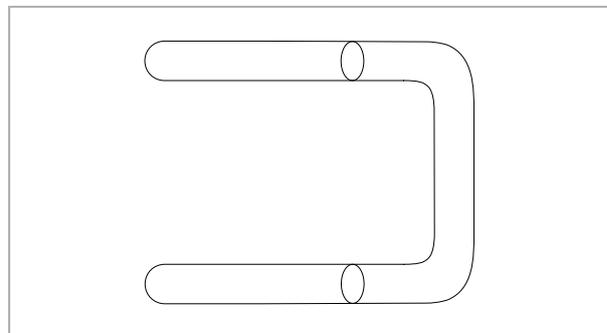
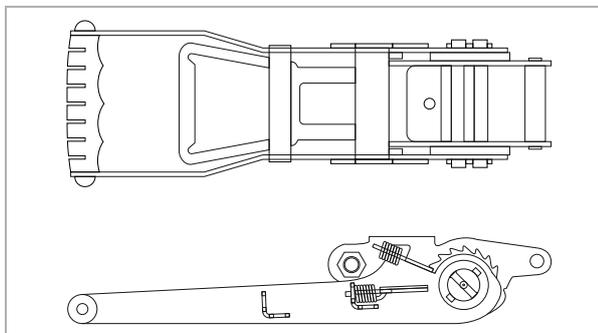
S_{TF} [daN] **500**

Ratchet buckle

186054

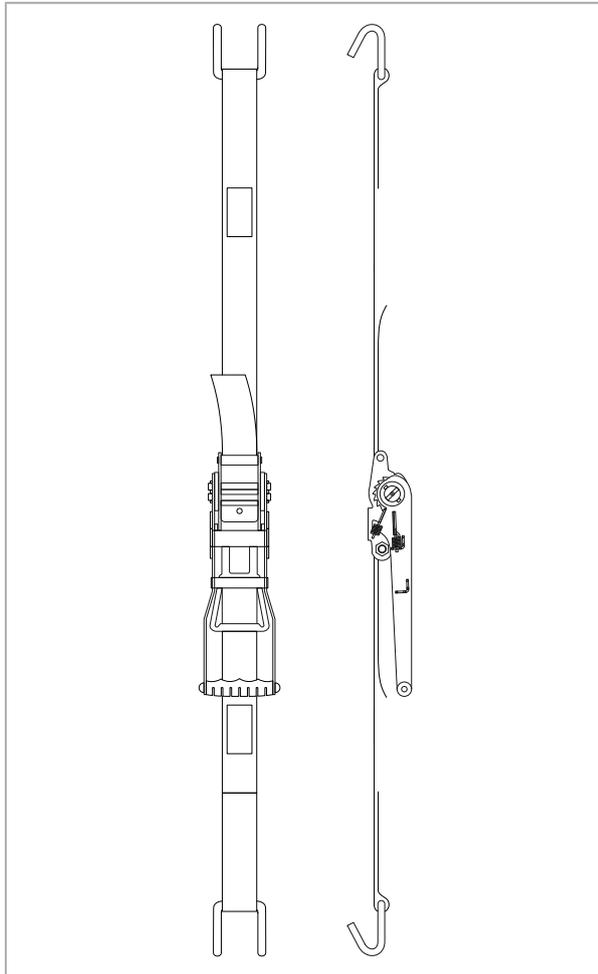
Hook

186009



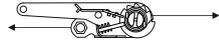


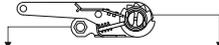
TEKSON®



181017

Model: lashing strap 12 m with pull - type ratchet (ERGO) 500 daN and „U“ - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **11,5**

Width [mm] **50**

Elongation [%] **5**

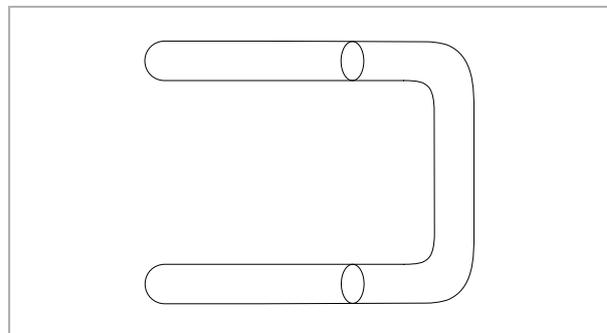
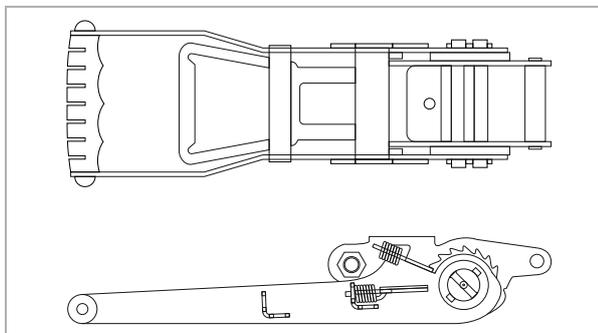
S_{TF} [daN] **500**

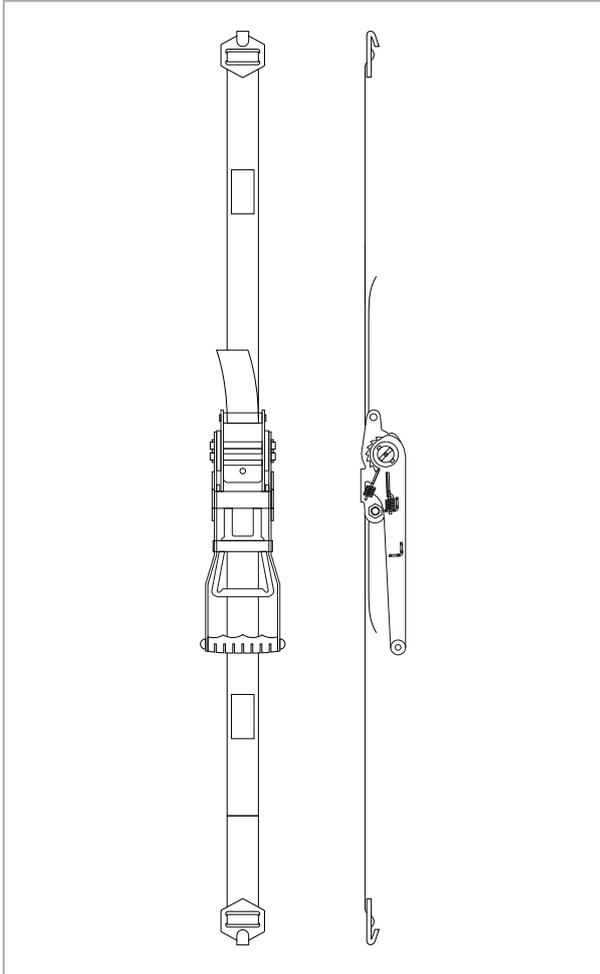
Ratchet buckle

186054

Hook

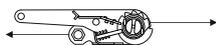
186009





182000

Model: lashing strap 6 m with pull - type ratchet (ERGO) 500 daN and „KRONE“ hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

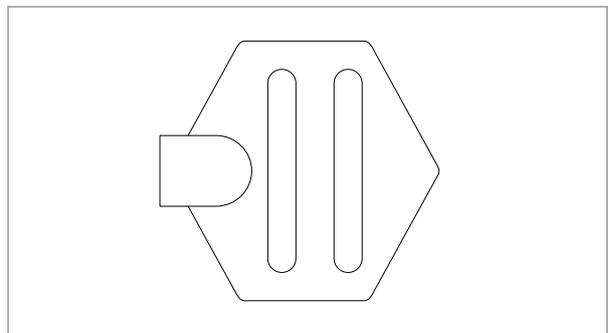
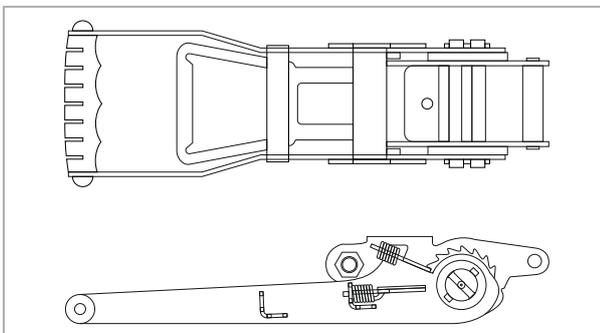
Width [mm] **50**

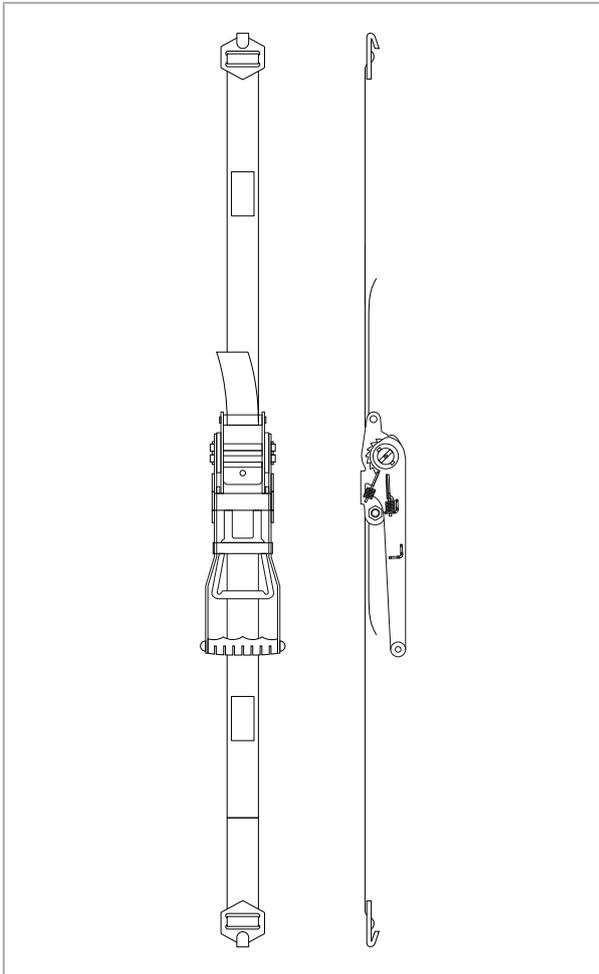
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

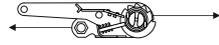
Hook **186002**

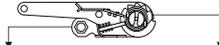




182025

Model: lashing strap 8 m with pull - type ratchet (ERGO) 500 daN and „KRONE“ hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

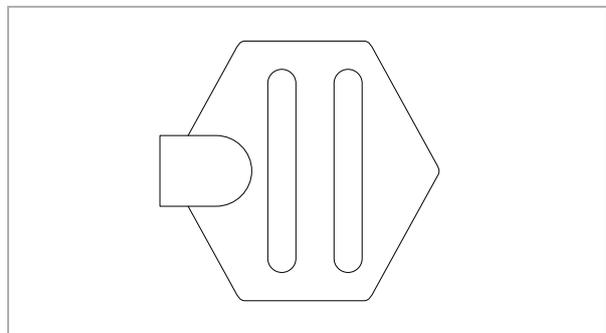
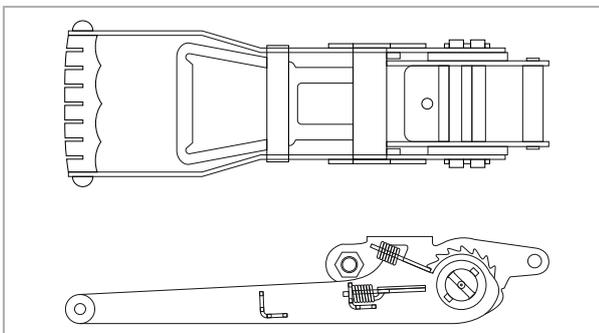
Width [mm] **50**

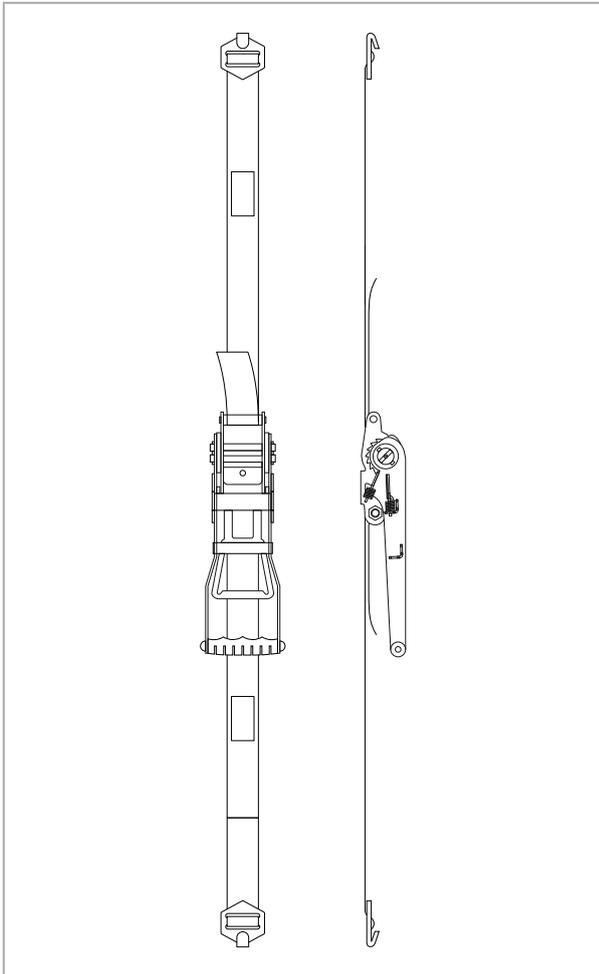
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

Hook **186002**





182007

Model: lashing strap 10 m with pull - type ratchet (ERGO) 500 daN and „KRONE“ hook, colour: red

LC [daN] **2500**

LC [daN] **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **9,5**

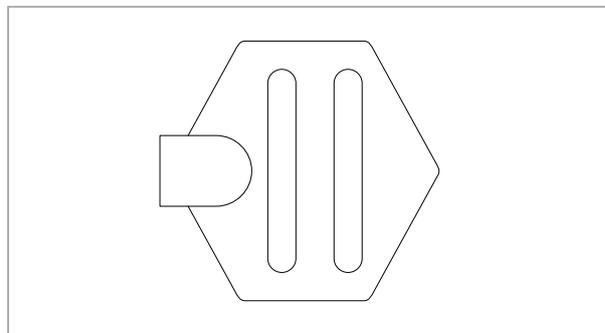
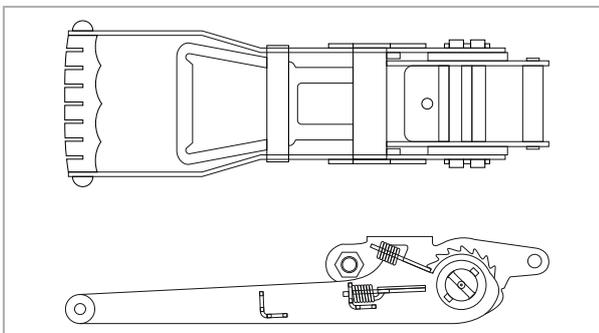
Width [mm] **50**

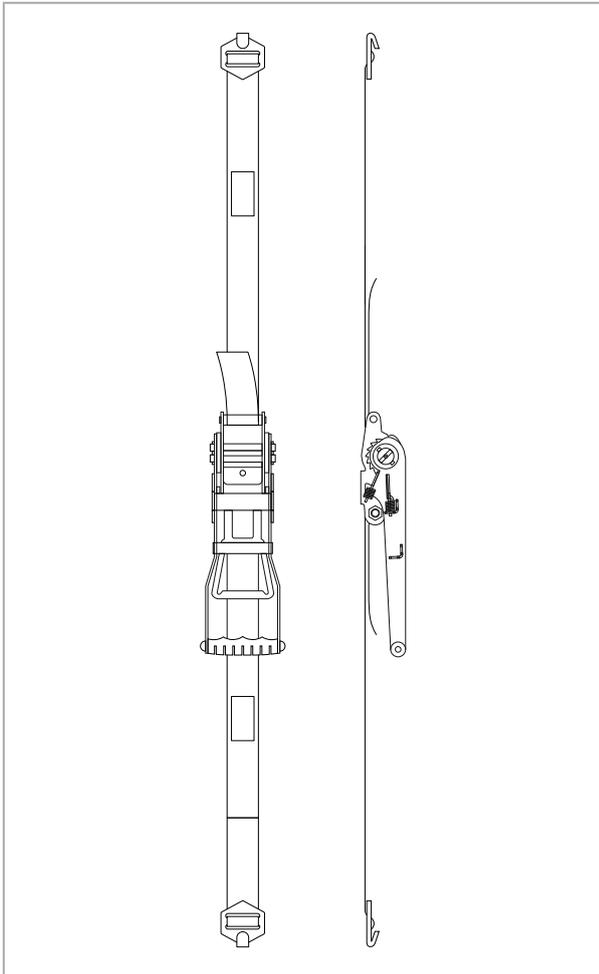
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

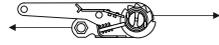
Hook **186002**

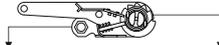




182024

Model: lashing strap 12 m with pull - type ratchet (ERGO) 500 daN and „KRONE“ hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **11,5**

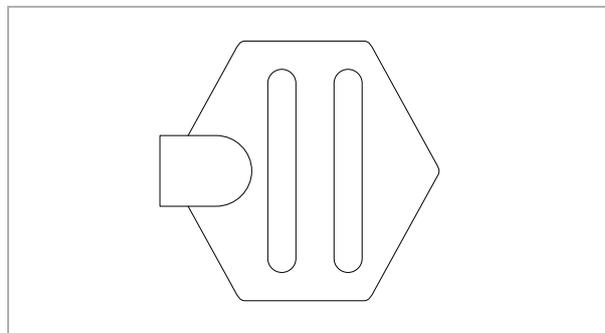
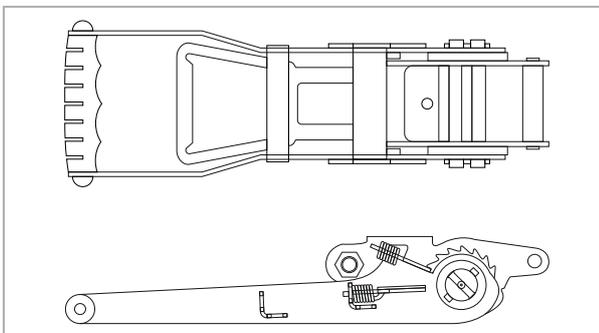
Width [mm] **50**

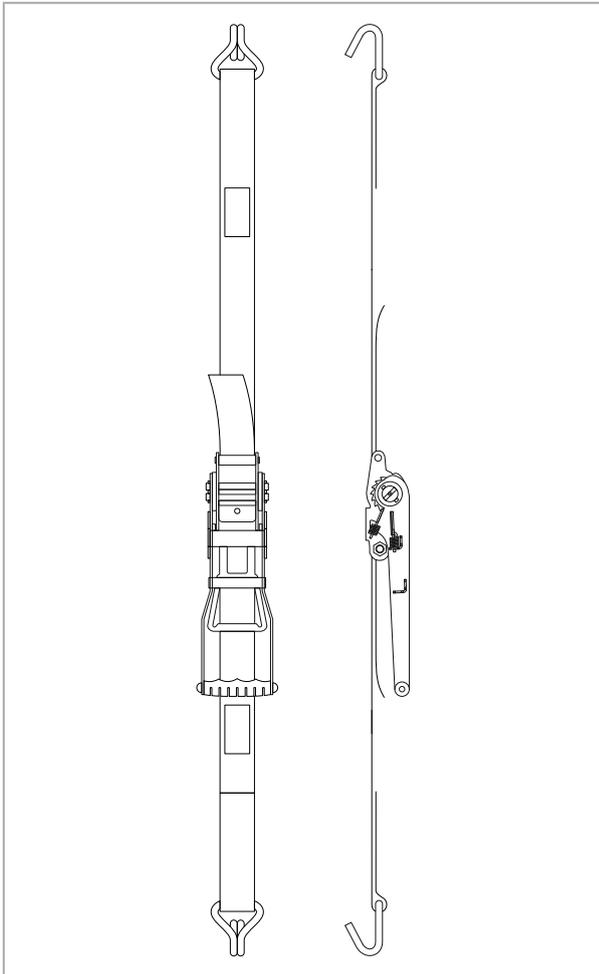
Elongation [%] **5**

S_{TF} [daN] **500**

Ratchet buckle **186054**

Hook **186002**





181002

Model: lashing strap 6 m with pull - type ratchet (double ERGO) 550 daN and double „J” - hook, colour: red

LC [daN] **2500**

LC [daN] **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

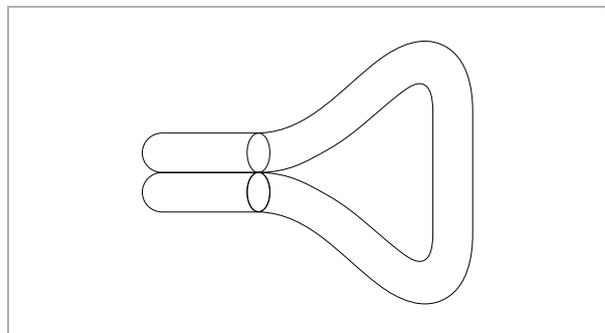
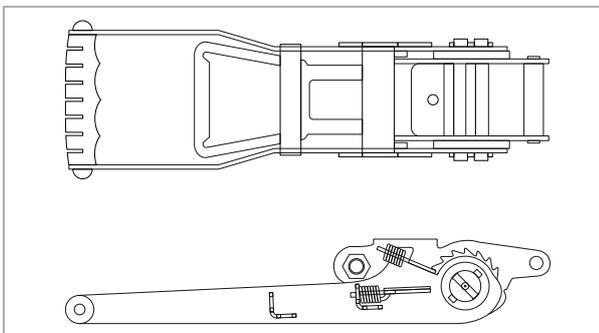
Width [mm] **50**

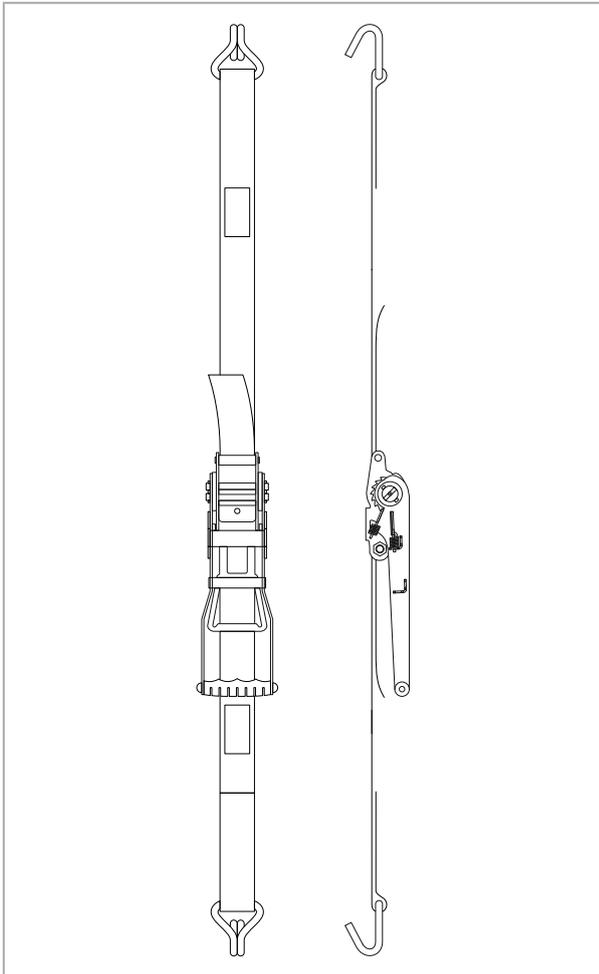
Elongation [%] **5**

S_{TF} [daN] **550**

Ratchet buckle **186055**

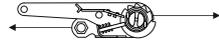
Hook **186000**

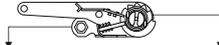




181100

Model: lashing strap 8 m with pull - type ratchet (double ERGO) 550 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

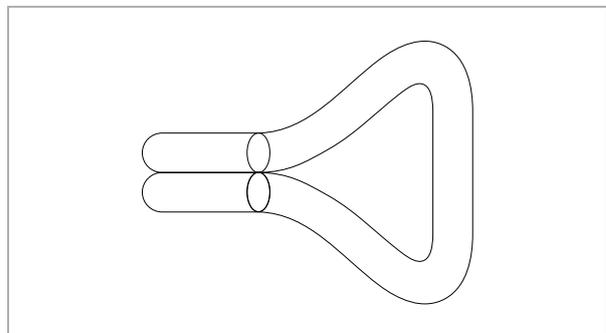
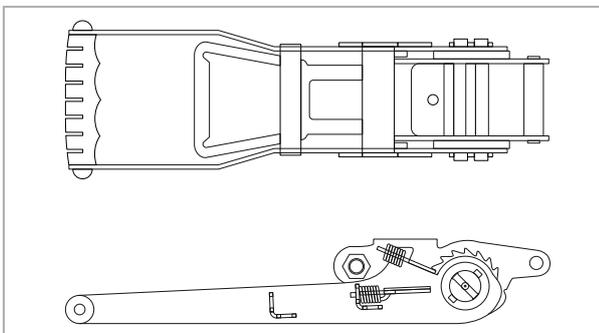
Width [mm] **50**

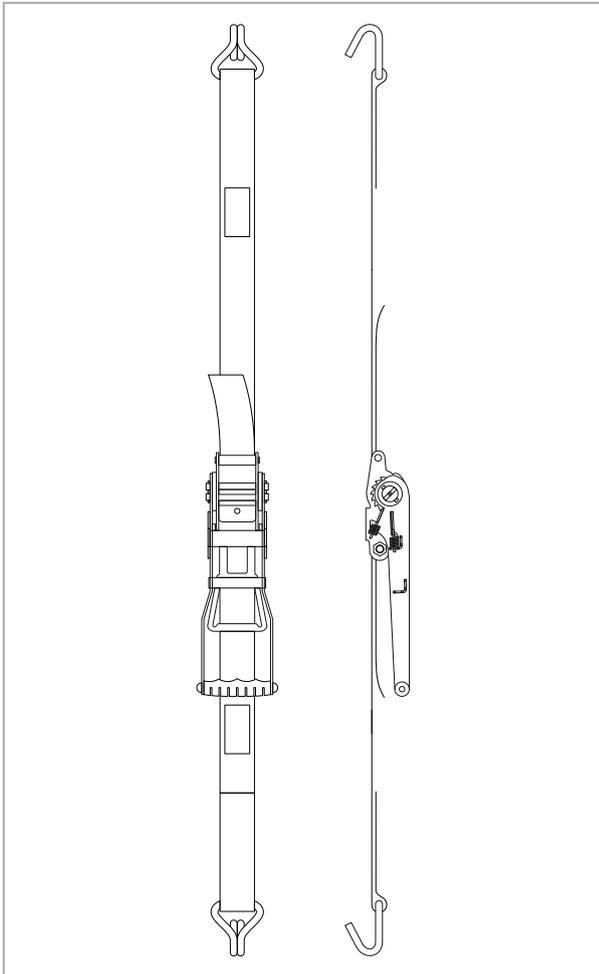
Elongation [%] **5**

S_{TF} [daN] **550**

Ratchet buckle **186055**

Hook **186000**

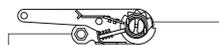




181110

Model: lashing strap 10 m with pull - type ratchet (double ERGO) 550 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **9,5**

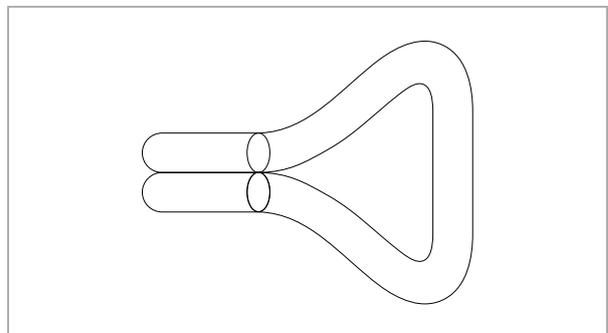
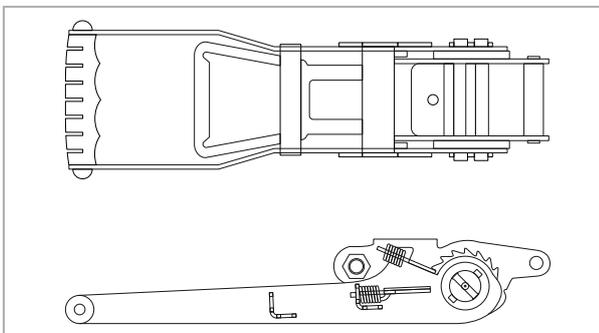
Width [mm] **50**

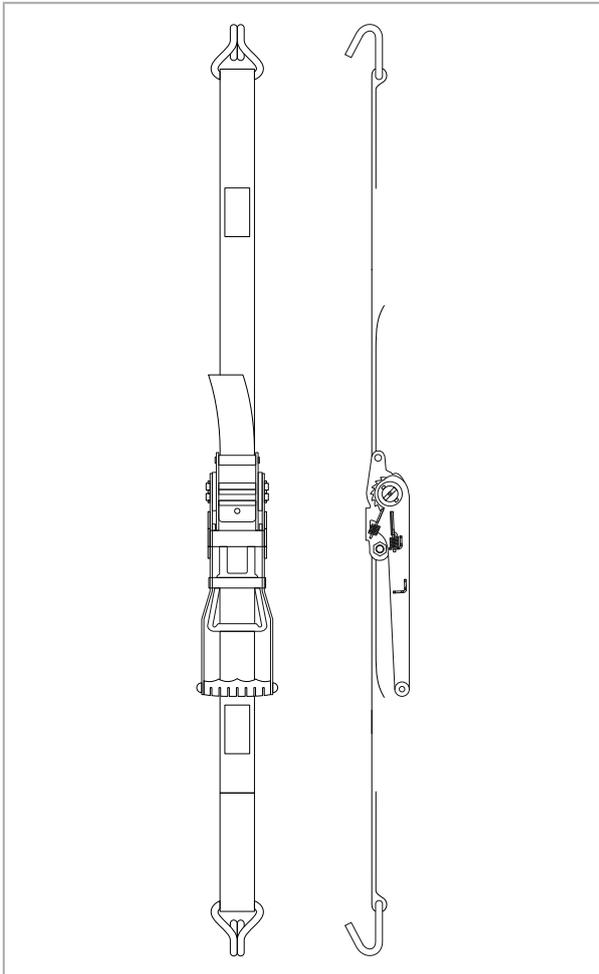
Elongation [%] **5**

S_{TF} [daN] **550**

Ratchet buckle **186055**

Hook **186000**





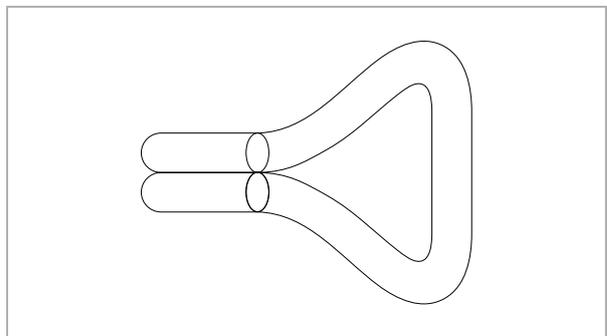
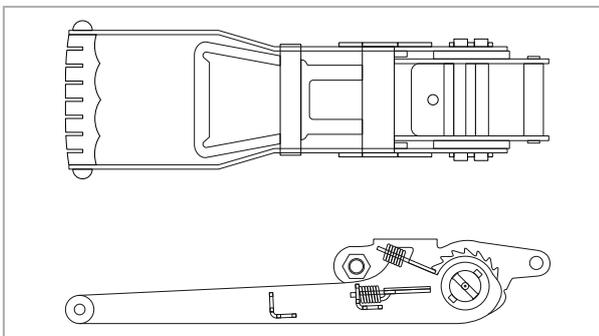
181003

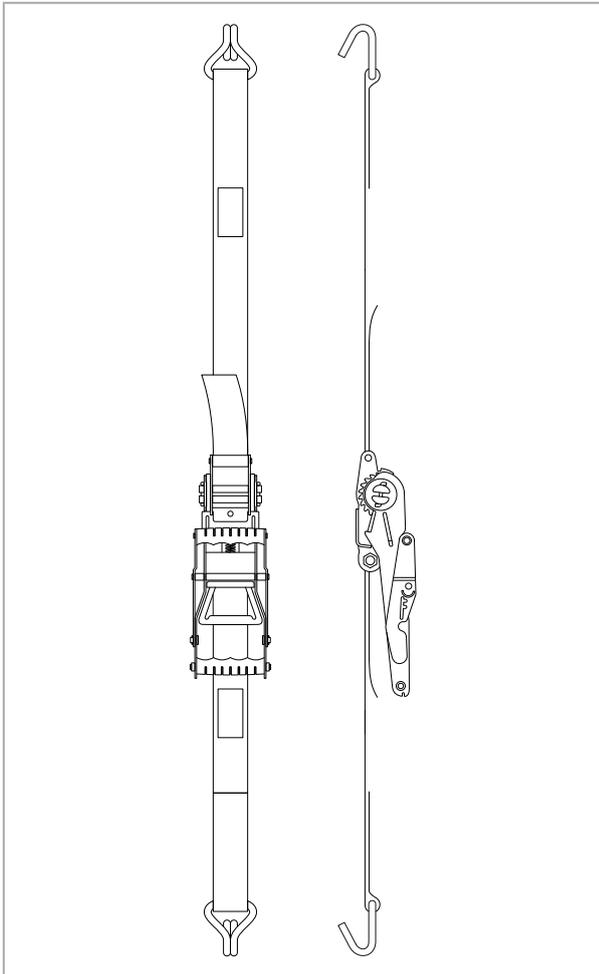
Model: lashing strap 12 m with pull - type ratchet (double ERGO) 550 daN and double „J” - hook, colour: red

LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		11,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		550

Ratchet buckle **186055**

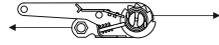
Hook **186000**

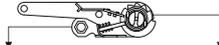




181004

Model: lashing strap 6 m with pull - type ratchet 600 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

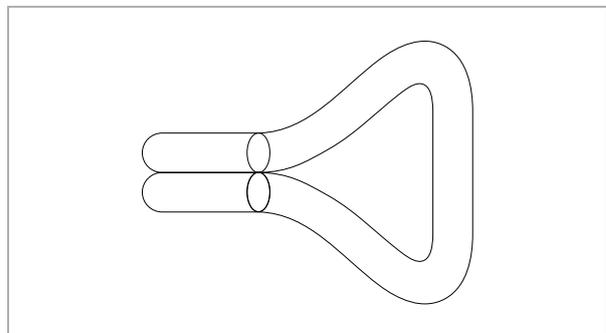
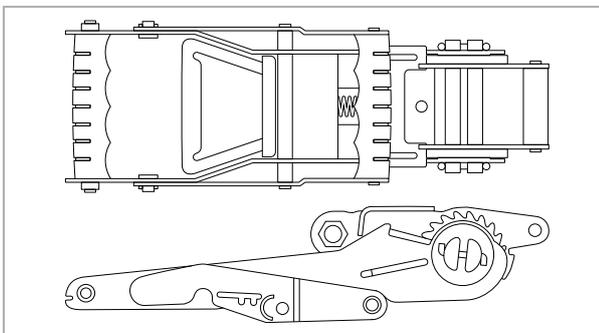
Width [mm] **50**

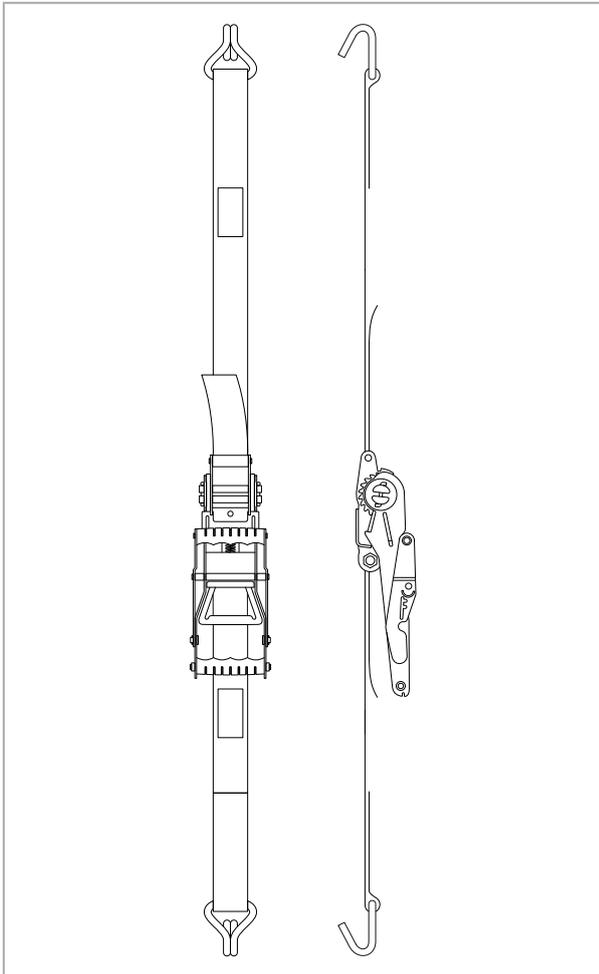
Elongation [%] **5**

S_{TF} [daN] **600**

Ratchet buckle **186056**

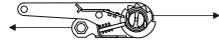
Hook **186000**

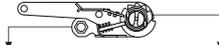




181080

Model: lashing strap 8 m with pull - type ratchet 600 daN and double „J” - hook, colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **7,5**

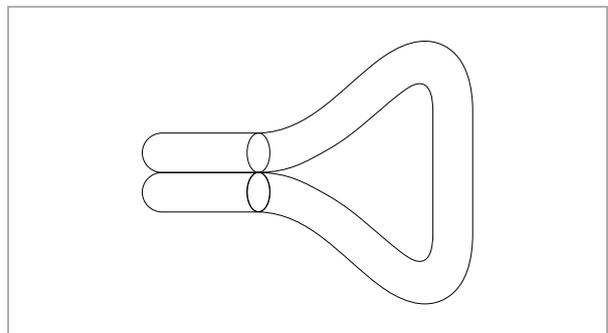
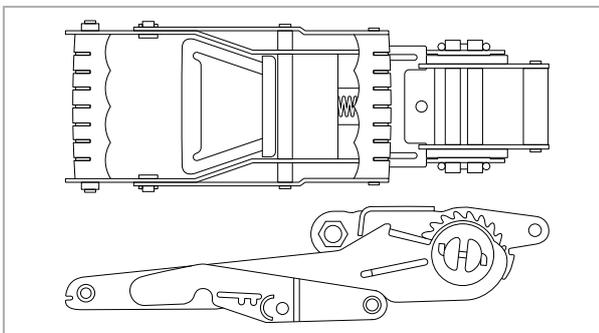
Width [mm] **50**

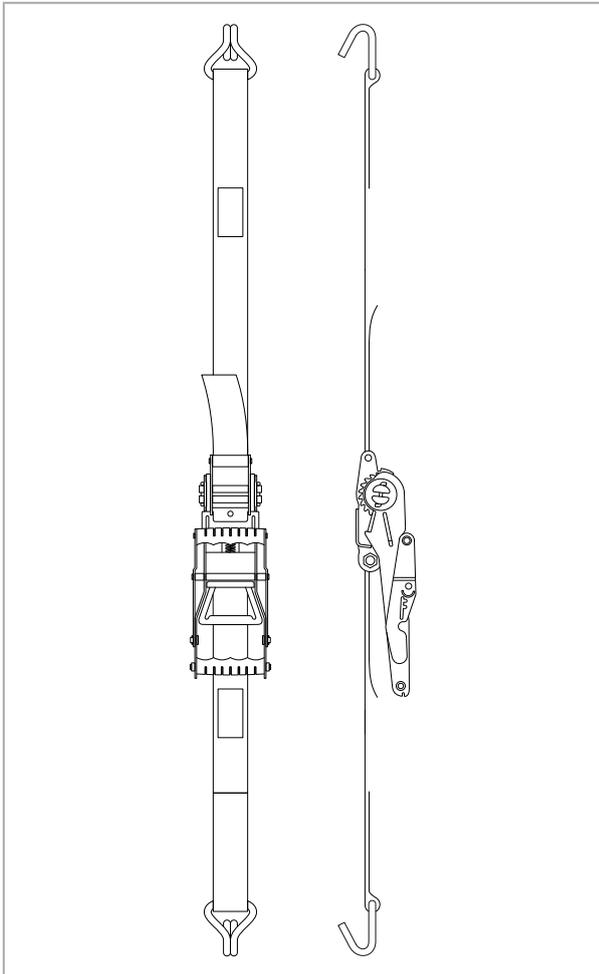
Elongation [%] **5**

S_{TF} [daN] **600**

Ratchet buckle **186056**

Hook **186000**





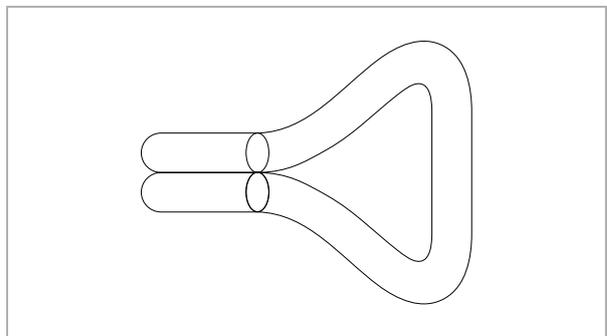
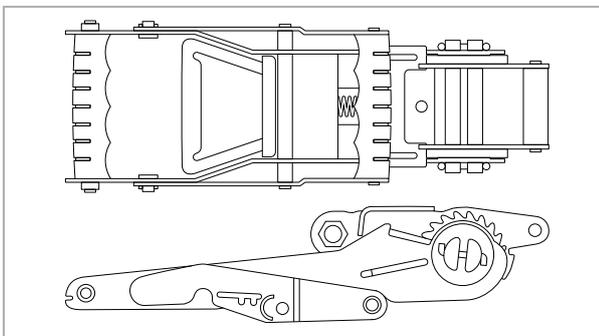
181090

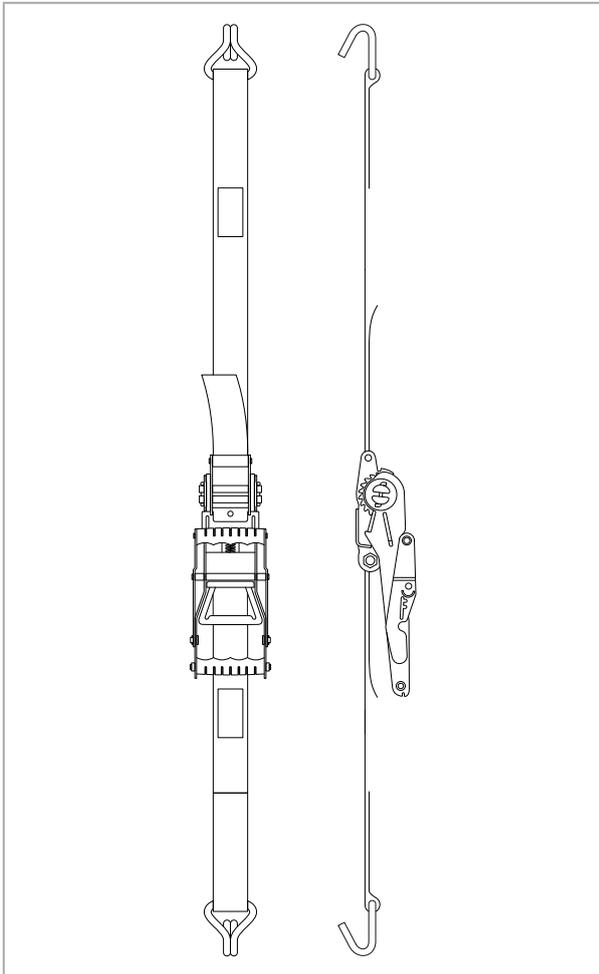
Model: lashing strap 10 m with pull - type ratchet 600 daN and double „J” - hook, colour: red

LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		9,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		600

Ratchet buckle **186056**

Hook **186000**





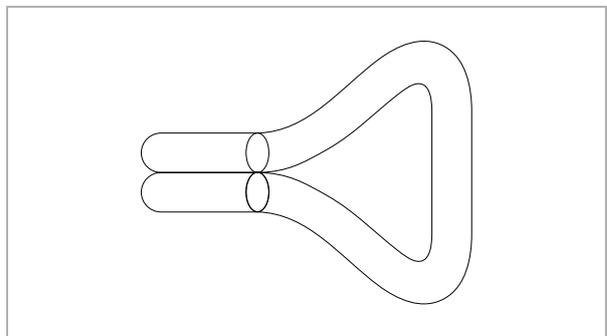
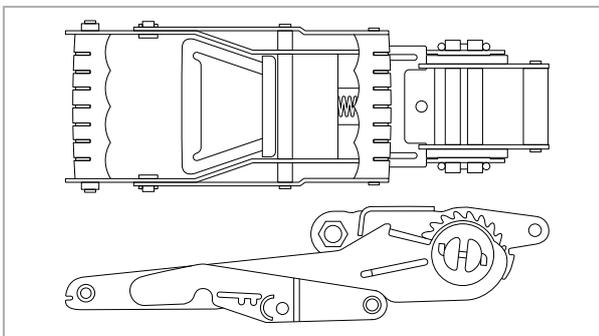
181005

Model: lashing strap 12 m with pull - type ratchet 600 daN and double „J” - hook, colour: red

LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		11,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		600

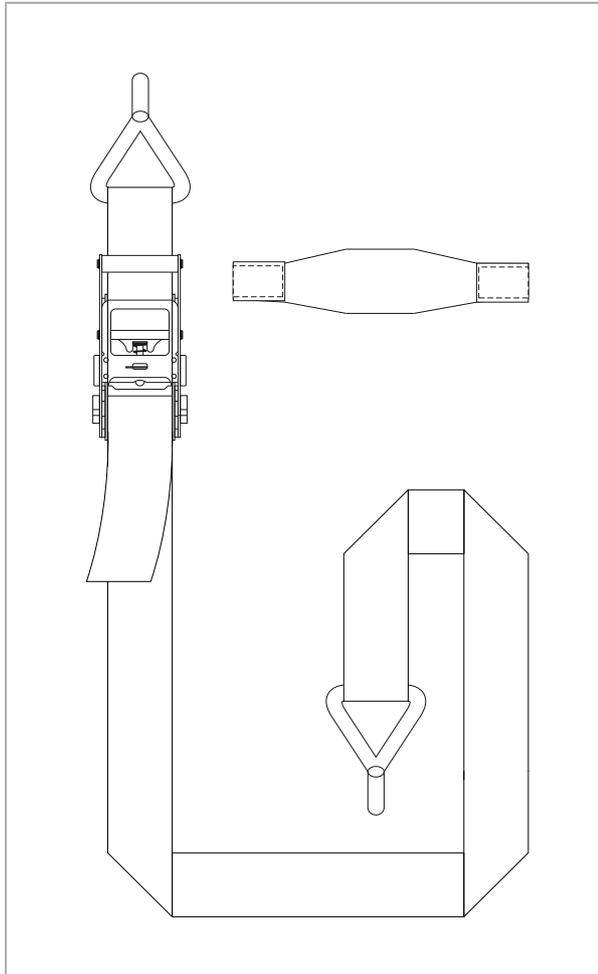
Ratchet buckle **186056**

Hook **186000**



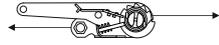


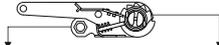
TEKSON®



182032

Model: two - points lashing strap 3,3 m with connecting belt, colour: blue

LC [daN]  **1500**

LC [daN]  **3000**

Lenght L_{GF} [m] **0,3**

Lenght L_{GL} [m] **3,3**

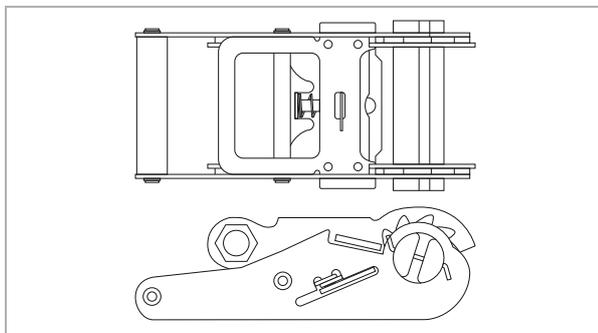
Width [mm] **50**

Elongation [%] **4**

S_{TF} [daN] **350**

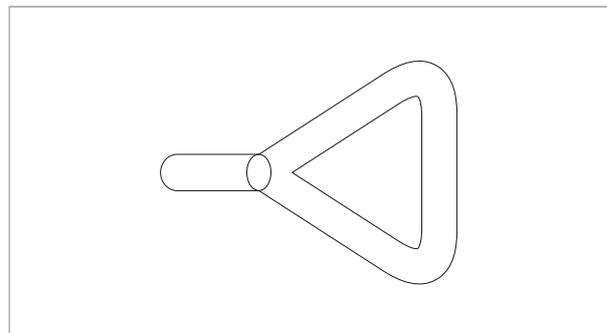
Ratchet buckle

186058



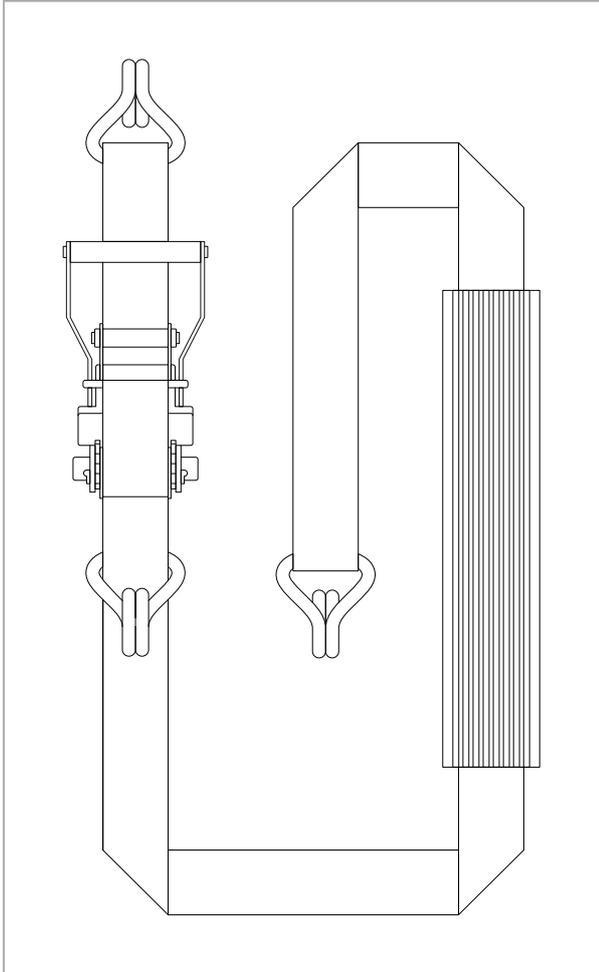
Hook

186012



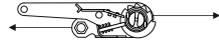


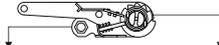
TEKSON®



182093

Model: three - points lashing strap "LOHR" 3,5 m set with „rubber handle" ratchet 350 daN and double „J" - hook (including green abrasion protection), colour blue

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **3,5**

Width [mm] **50**

Elongation [%] **4**

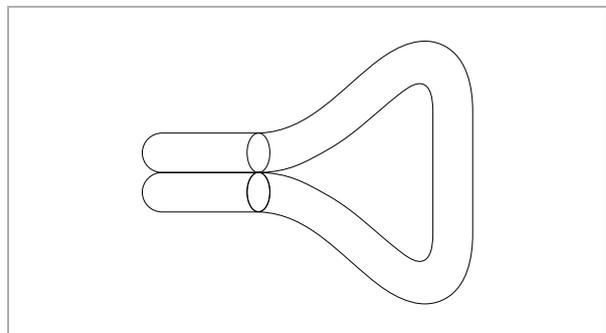
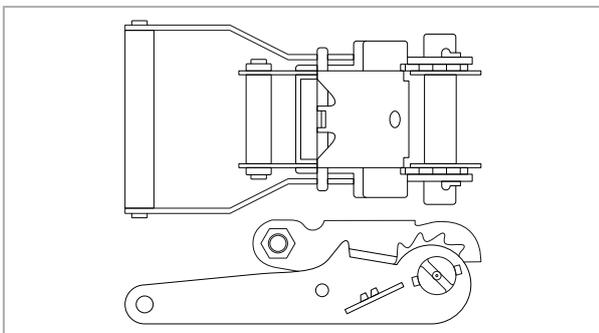
S_{TF} [daN] **350**

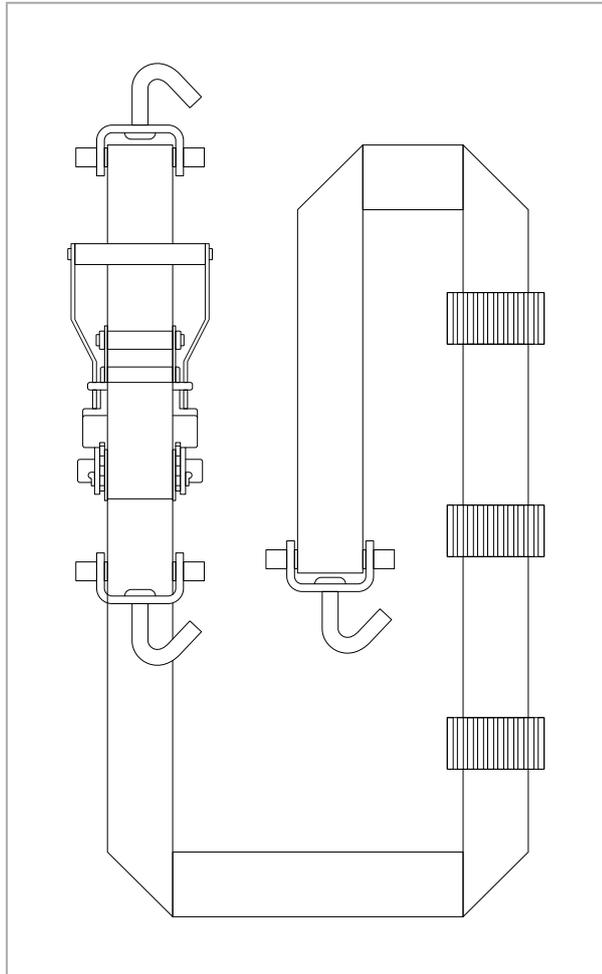
Ratchet buckle

186051

Hook

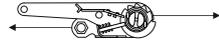
186000

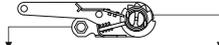




182008

Model: three - points lashing strap „LOHR“ 2,5 m set with 3 black, plastic pads, ratchet 350 daN and swivel hook, colour: blue

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **2,5**

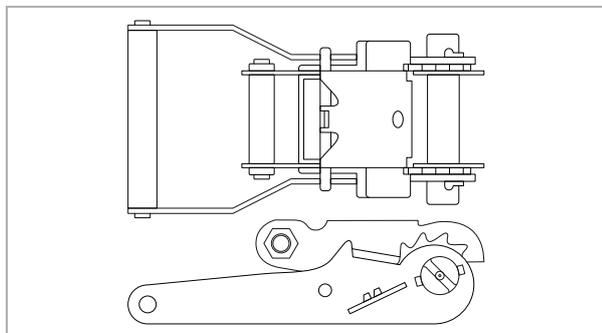
Width [mm] **50**

Elongation [%] **4**

S_{TF} [daN] **350**

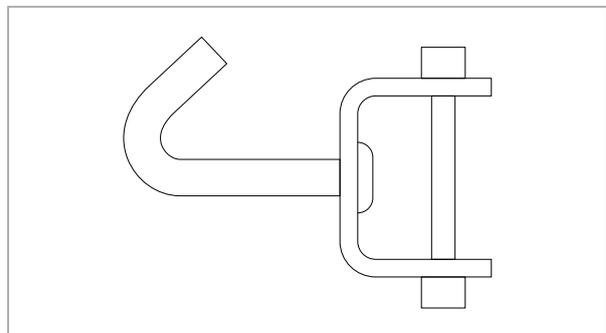
Ratchet buckle

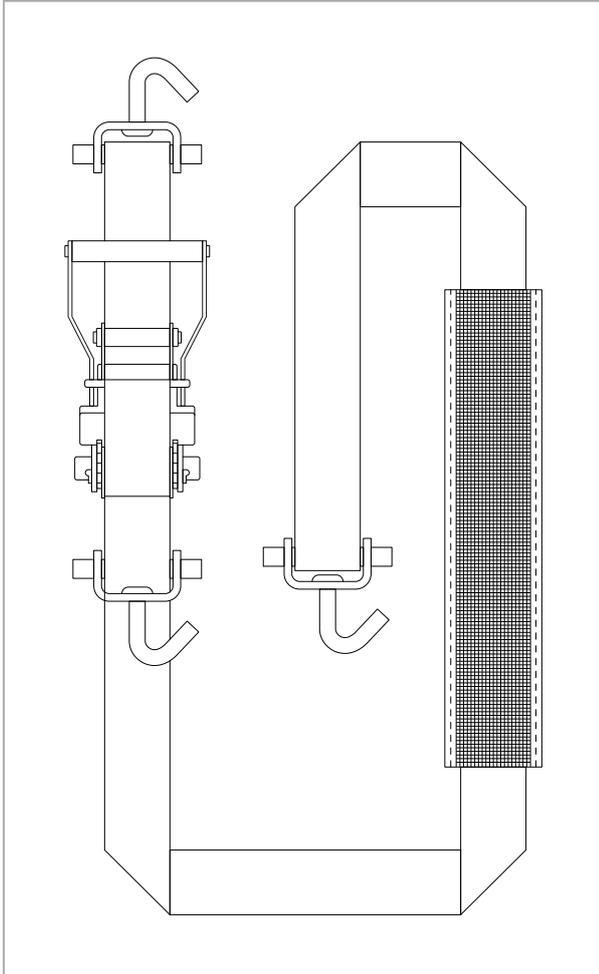
186051



Hook

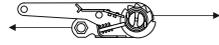
186003

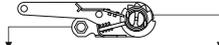




182092

Model: three - points lashing strap "LOHR" 2,5 m set with „rubber handle" ratchet 350 daN and swivel hook (including green abrasion protection), colour blue

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **2,5**

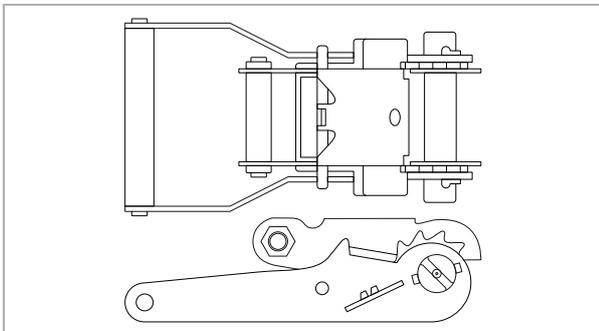
Width [mm] **50**

Elongation [%] **4**

S_{TF} [daN] **350**

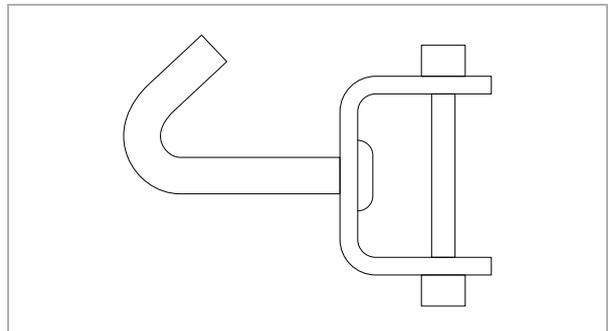
Ratchet buckle

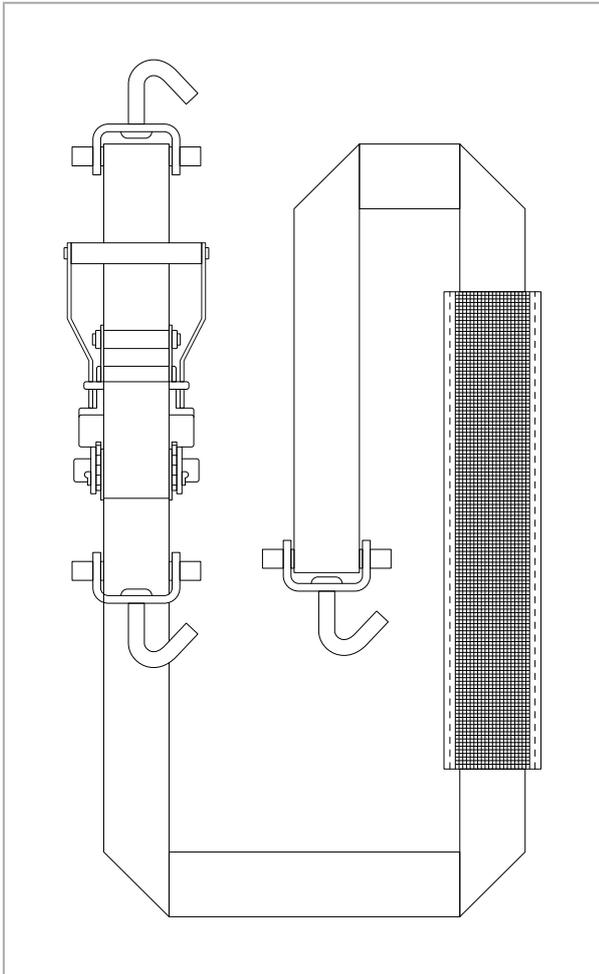
186051



Hook

186003





182095

Model: three - points lashing strap "LOHR" 2,5 m set with ratchet 350 daN and swivel hook (including green abrasion protection), colour blue

LC [daN] **2000**

LC [daN] **4000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **2,5**

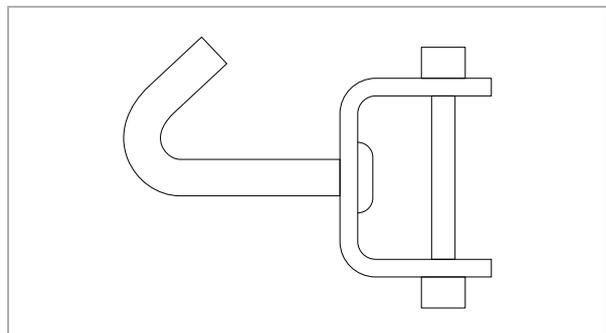
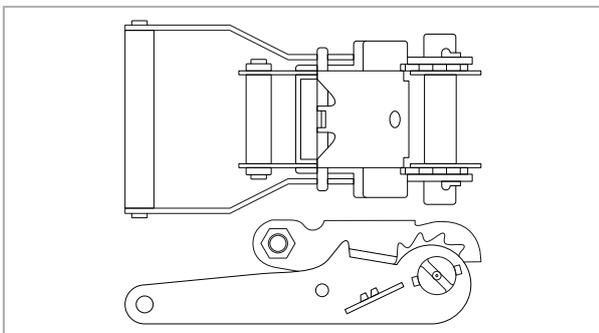
Width [mm] **50**

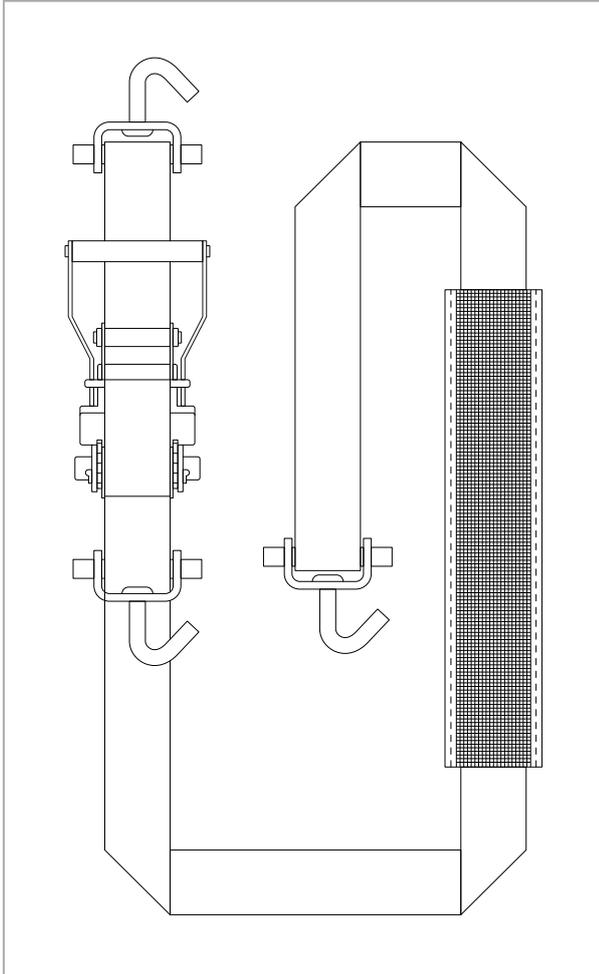
Elongation [%] **4**

S_{TF} [daN] **350**

Ratchet buckle **186051**

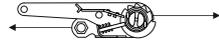
Hook **186003**

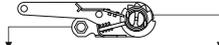




182091

Model: three - points lashing strap "LOHR" 3,5 m set with „rubber handle" ratchet 350 daN and swivel hook (including green abrasion protection), colour blue

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **3,5**

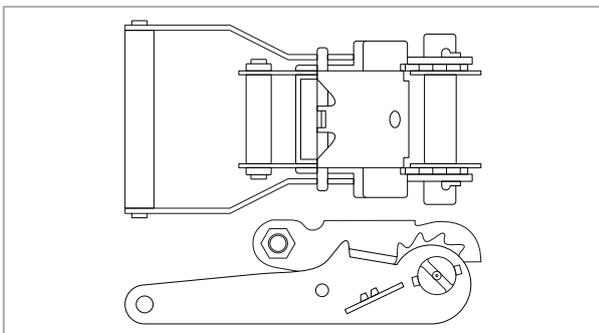
Width [mm] **50**

Elongation [%] **4**

S_{TF} [daN] **350**

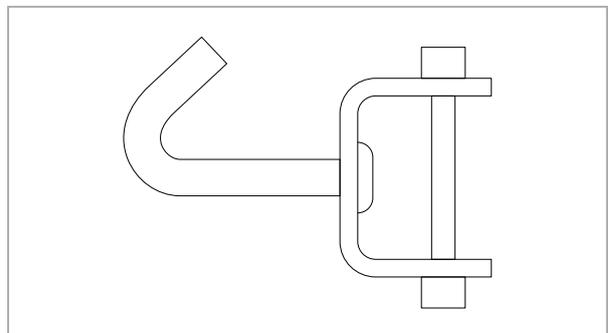
Ratchet buckle

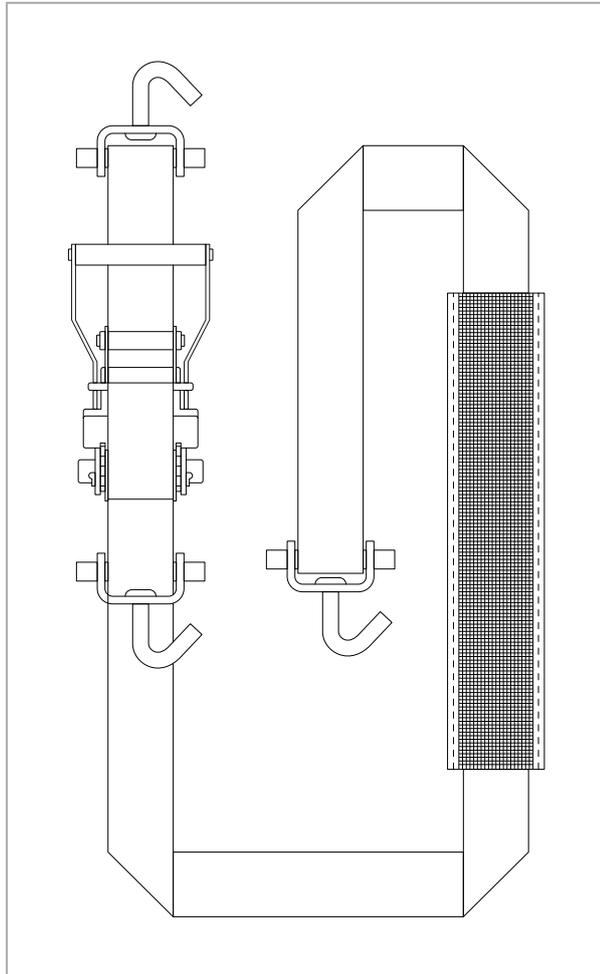
186051



Hook

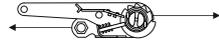
186003

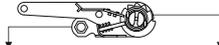




182094

Model: three - points lashing strap "LOHR" 3,5 m set with ratchet 350 daN and swivel hook (including green abrasion protection), colour blue

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **3,5**

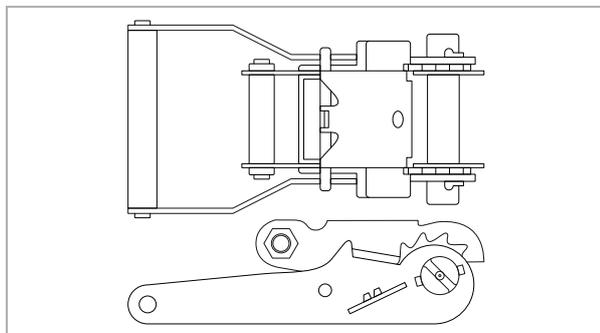
Width [mm] **50**

Elongation [%] **4**

S_{TF} [daN] **350**

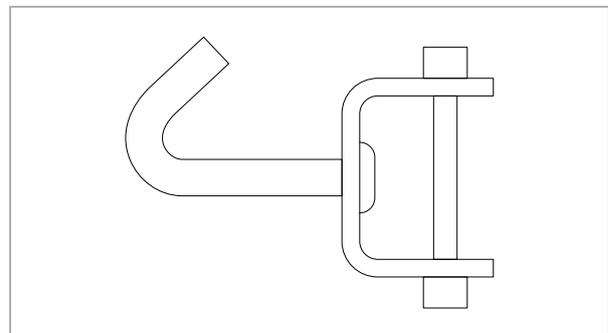
Ratchet buckle

186051



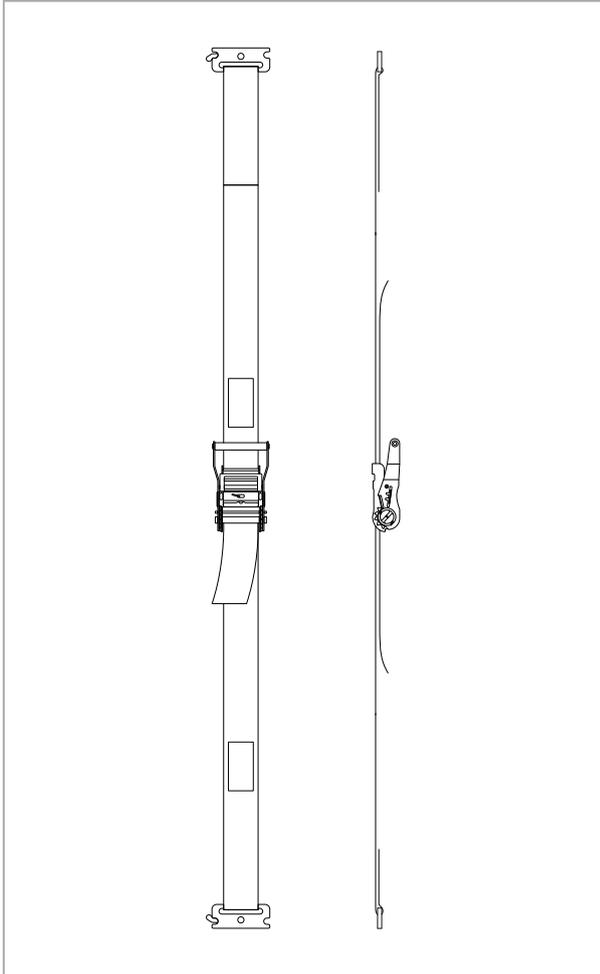
Hook

186003





TEKSON®



182010

Model: lashing strap 4 m with ratchet 200 daN and „E-TRUCK“ hook, colour: red

LC [daN]		1000
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LC [daN]		2000
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Lenght L_{GF} [m]	0,5
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Lenght L_{GL} [m]	3,5
---------------------	------------

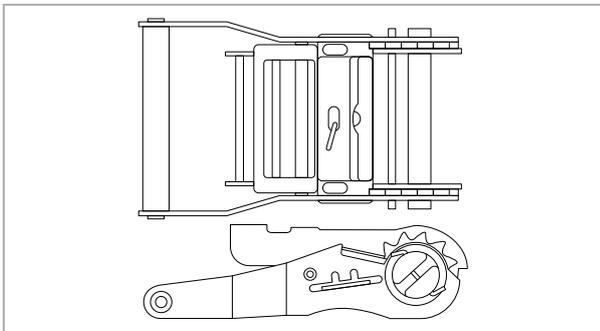
Width [mm]	50
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Elongation [%]	5
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S_{TF} [daN]	200
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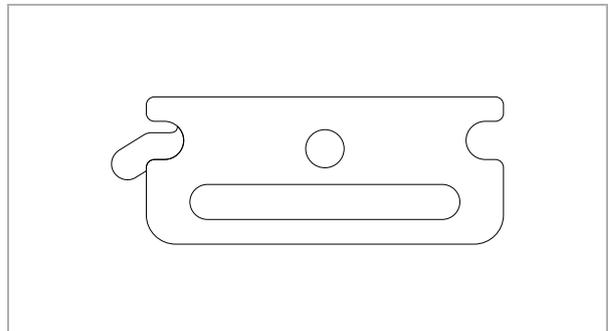
Ratchet buckle

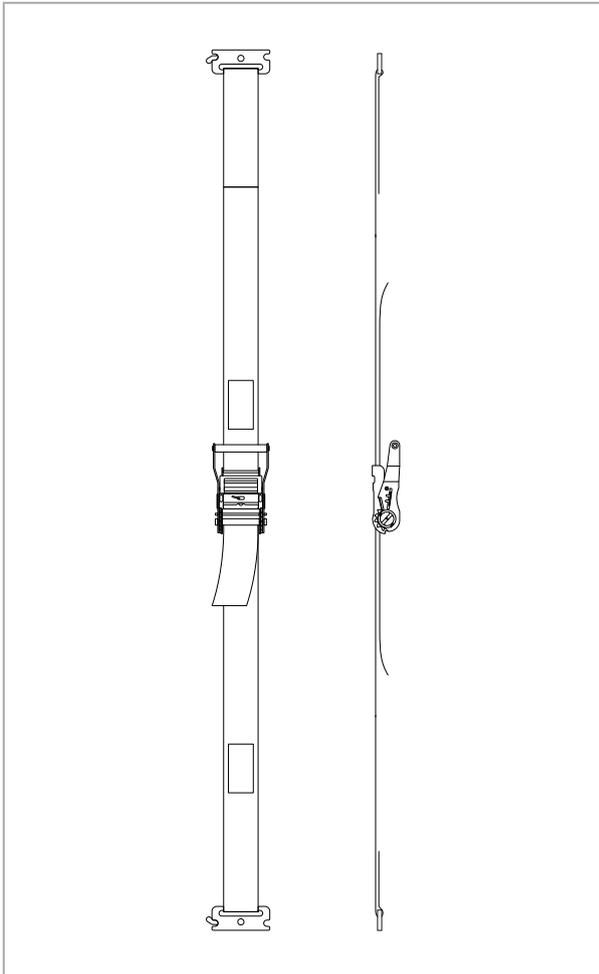
186050



Hook

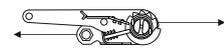
186005

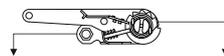




182011

Model: lashing strap 6 m with ratchet 200 daN and „E-TRUCK“ hook, colour: red

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

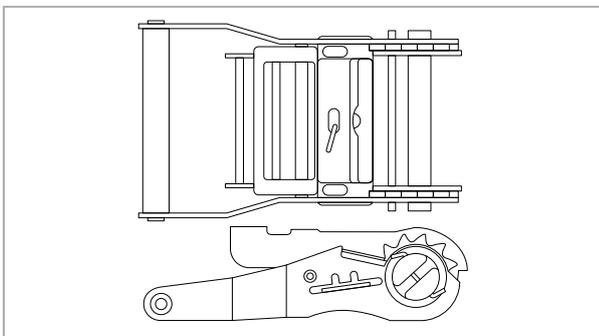
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **200**

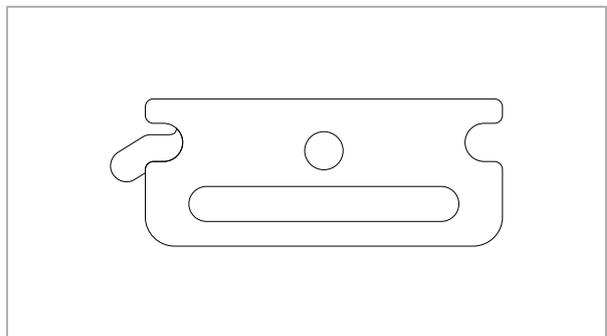
Ratchet buckle

186050



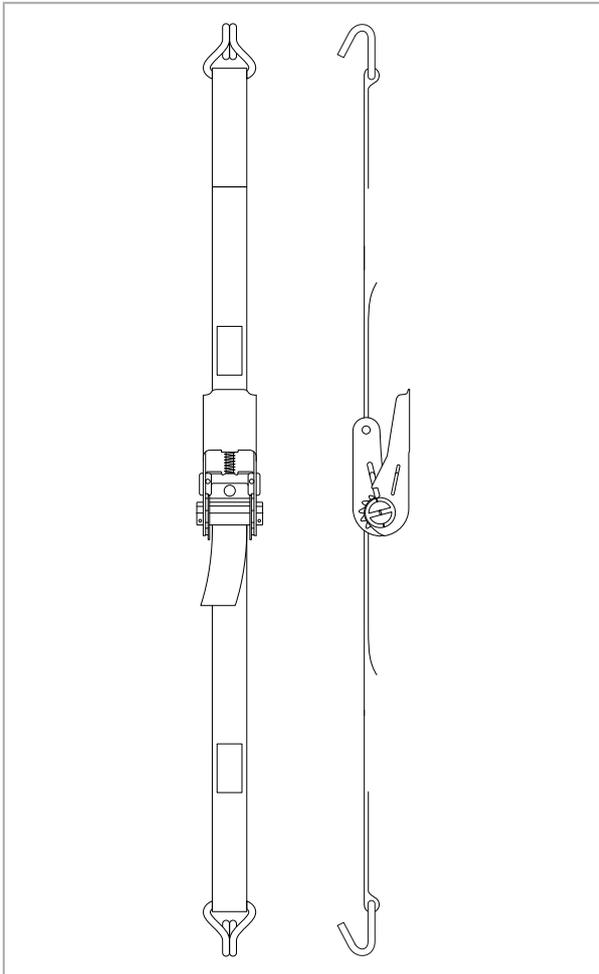
Hook

186005





TEKSON®



182021

Model: lashing strap 3 m with ratchet 120 daN and double „J” - hook, colour: black

LC [daN]		500
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LC [daN]		1000
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Lenght L_{GF} [m]	0,5
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Lenght L_{GL} [m]	2,5
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Width [mm]	25
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Elongation [%]	5
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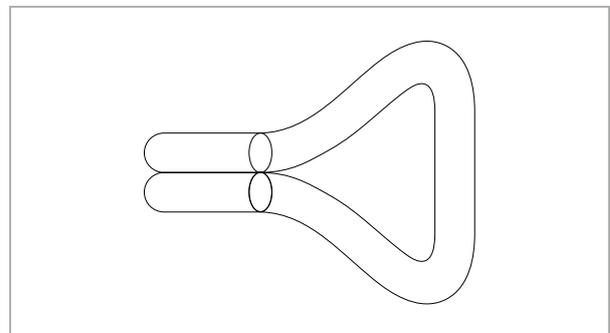
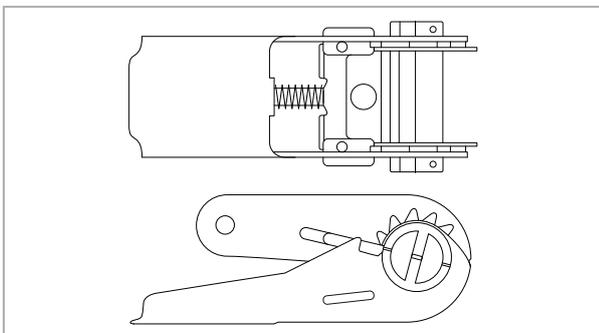
S_{TF} [daN]	120
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Ratchet buckle

186025

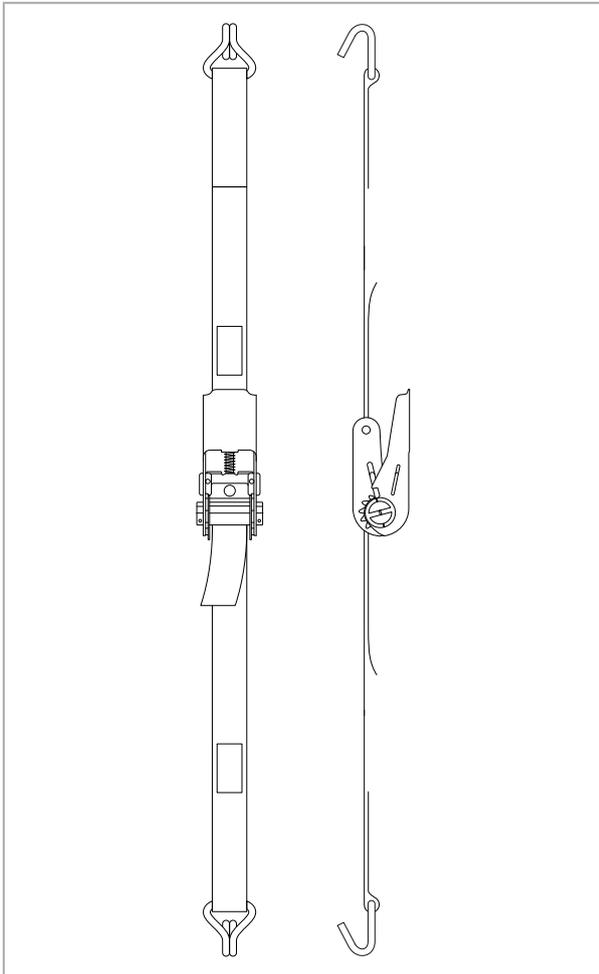
Hook

186001



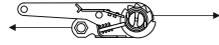


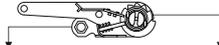
TEKSON®



182022

Model: lashing strap 4 m with ratchet 120 daN and double „J” - hook, colour: black

LC [daN]  **500**

LC [daN]  **1000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **3,5**

Width [mm] **25**

Elongation [%] **5**

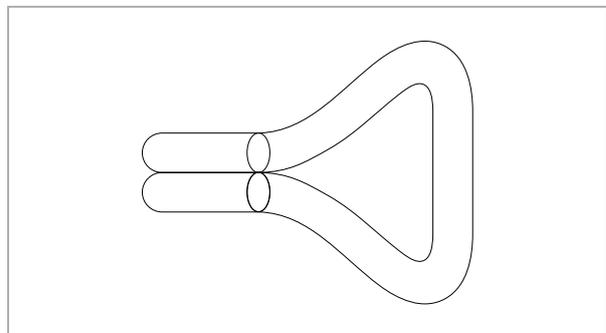
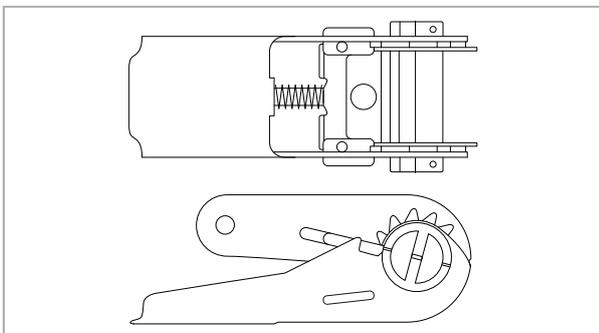
S_{TF} [daN] **120**

Ratchet buckle

186025

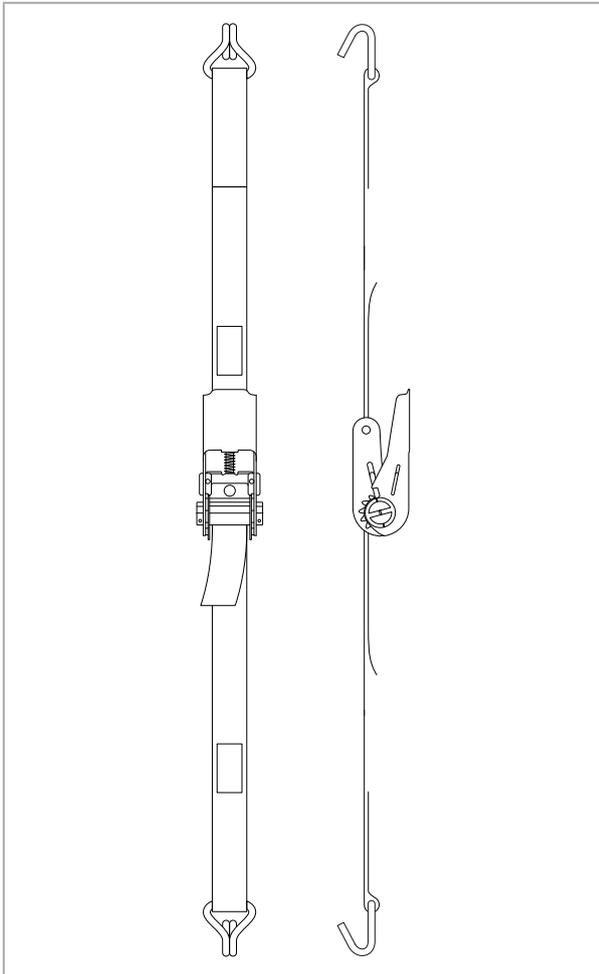
Hook

186001



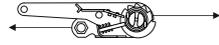


TEKSON®



182001

Model: lashing strap 5 m with ratchet 120 daN and double „J” - hook, colour: black

LC [daN]  **500**

LC [daN]  **1000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **4,5**

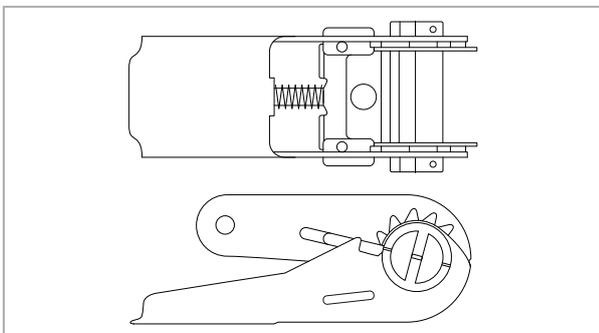
Width [mm] **25**

Elongation [%] **5**

S_{TF} [daN] **120**

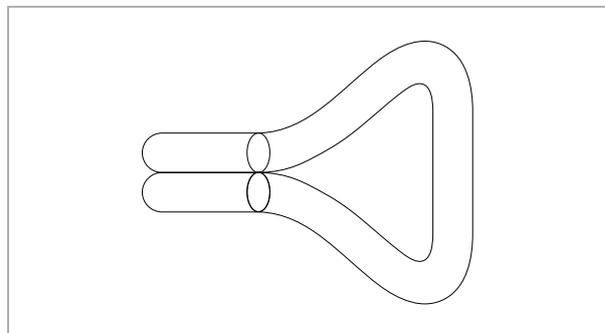
Ratchet buckle

186025



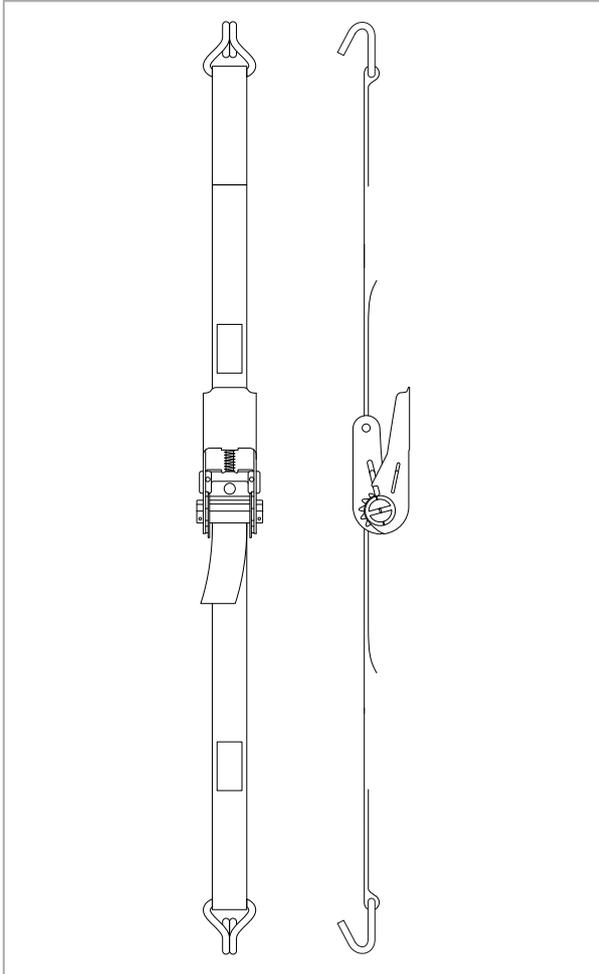
Hook

186001





TEKSON®



182023

Model: lashing strap 6 m with ratchet 120 daN and double „J” - hook, colour: black

LC [daN]		500
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LC [daN]		1000
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Lenght L_{GF} [m]	0,5
---------------------	------------

Lenght L_{GL} [m]	5,5
---------------------	------------

Width [mm]	25
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Elongation [%]	5
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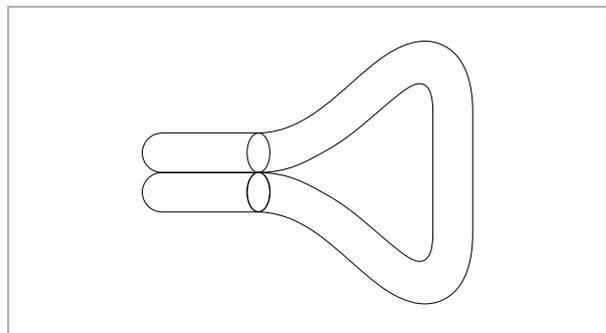
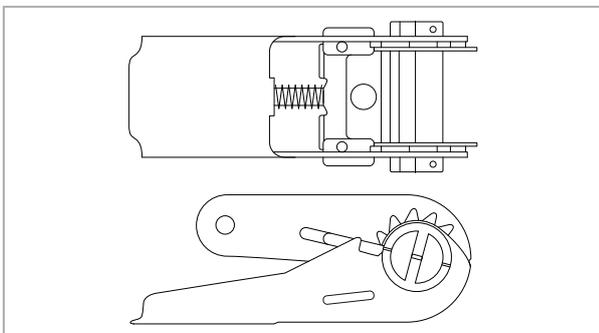
S_{TF} [daN]	120
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Ratchet buckle

186025

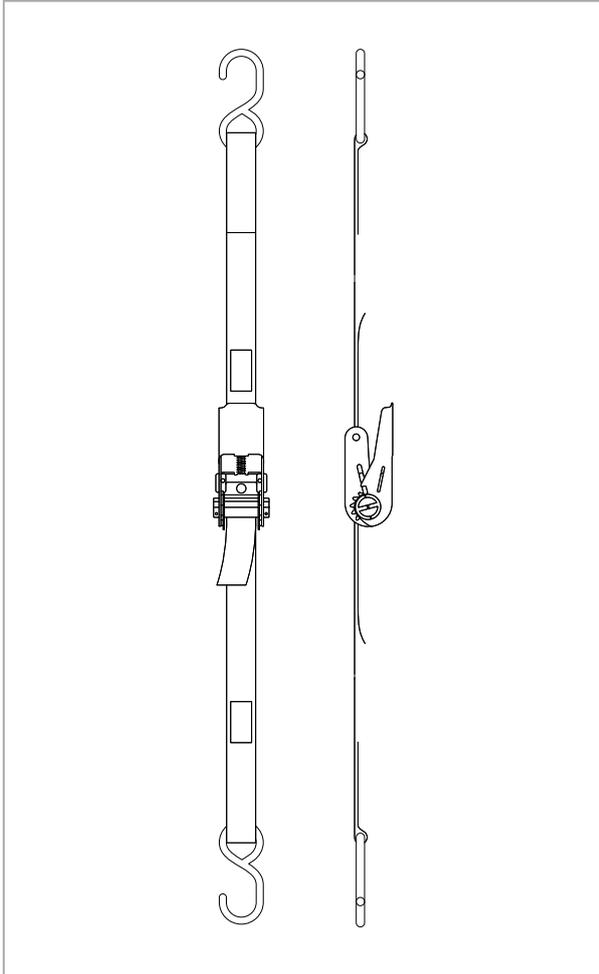
Hook

186001





TEKSON®



182029

Model: lashing strap 4 m with ratchet 112 daN and „S“ - hook

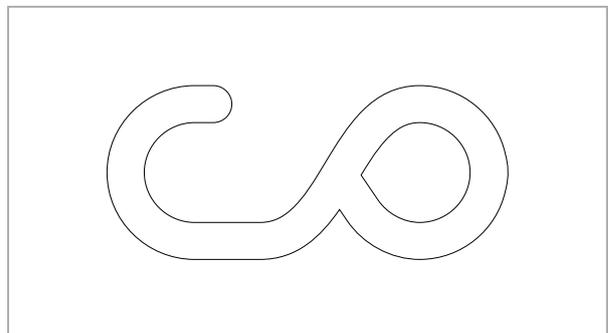
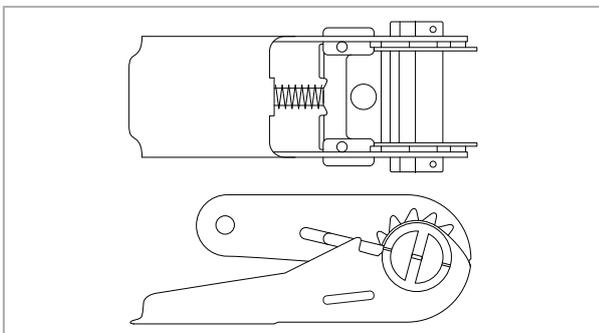
LC [daN]		500
LC [daN]		1000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		3,5
Width [mm]		25
Elongation [%]		5
S _{TF} [daN]		112

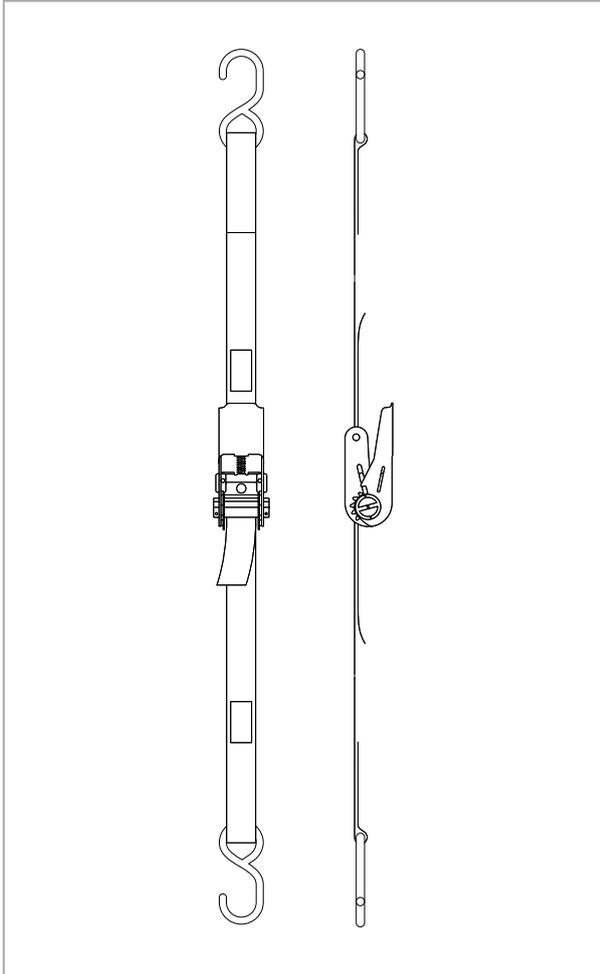
Ratchet buckle

186026

Hook

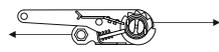
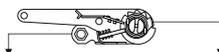
186008



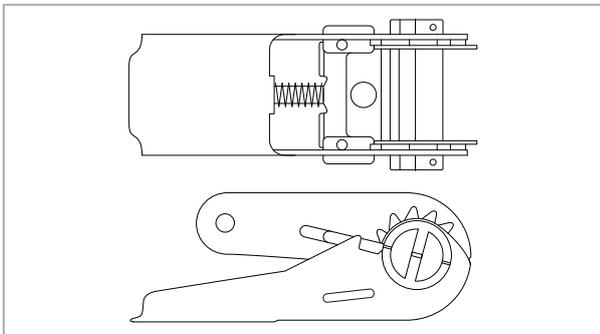


182026

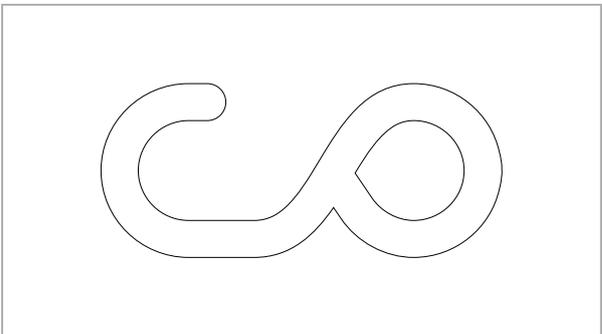
Model: lashing strap 6 m with ratchet 112 daN and „S“ - hook

LC [daN]		500
LC [daN]		1000
Lenght L _{GF} [m]		0,5
Lenght L _{GL} [m]		5,5
Width [mm]		25
Elongation [%]		5
S _{TF} [daN]		112

Ratchet buckle **186026**

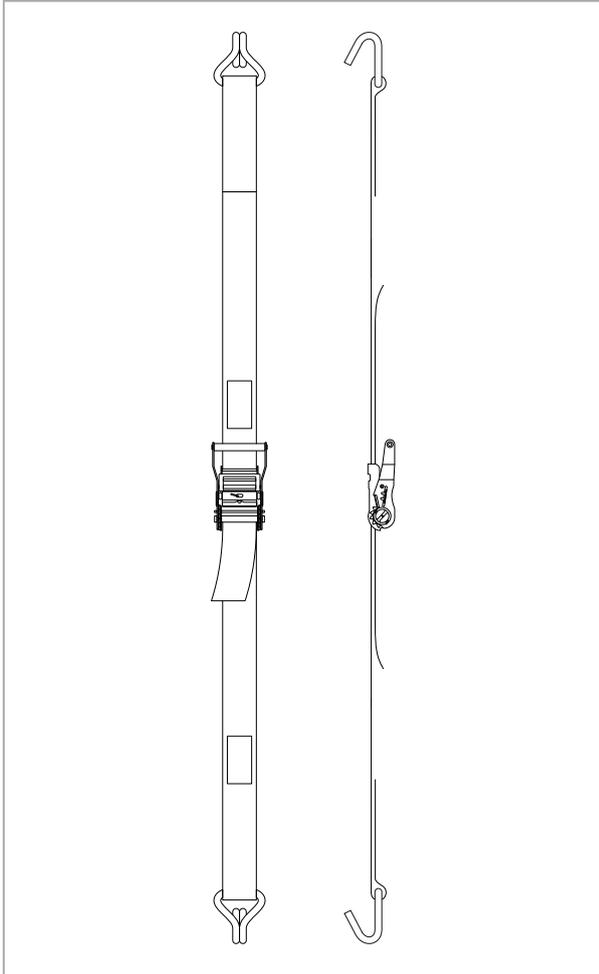


Hook **186008**



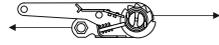


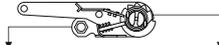
TEKSON®



182018

Model: lashing strap 3 m with ratchet 200 daN and double „J” - hook, colour: black

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **2,5**

Width [mm] **35**

Elongation [%] **5**

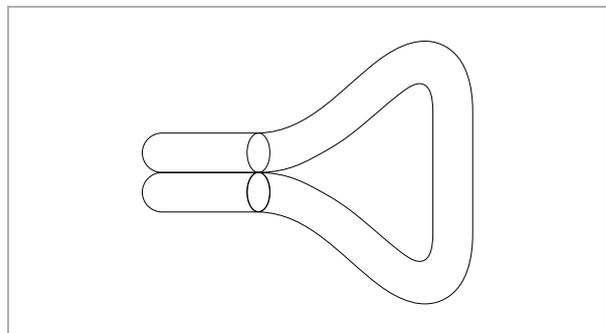
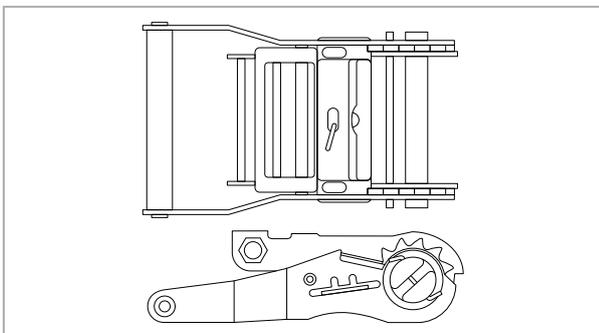
S_{TF} [daN] **200**

Ratchet buckle

186036

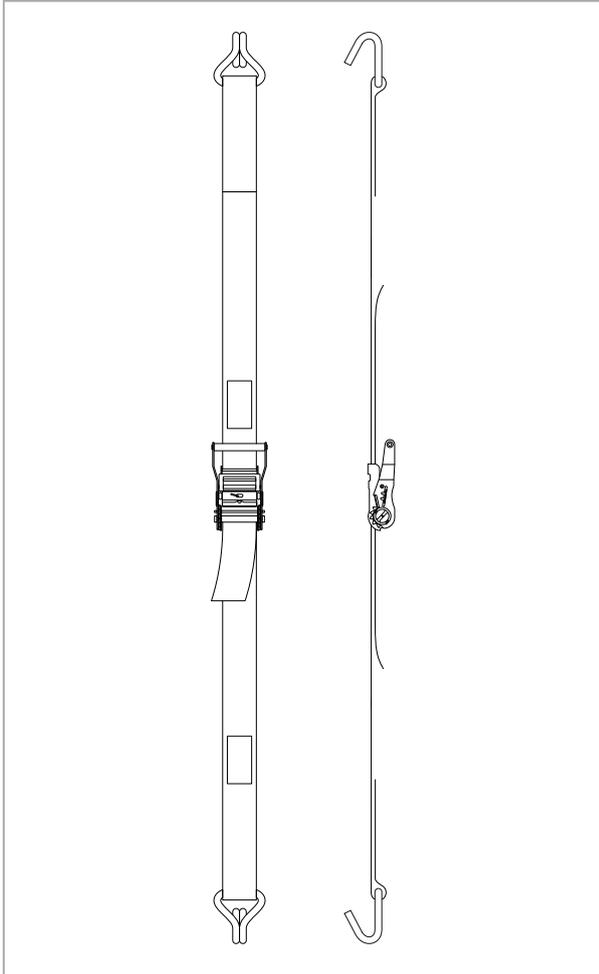
Hook

186004





TEKSON®



182019

Model: lashing strap 4 m with ratchet 200 daN and double „J” - hook, colour: black

LC [daN]		1000
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LC [daN]		2000
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Lenght L_{GF} [m]	0,5
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Lenght L_{GL} [m]	3,5
---------------------	------------

Width [mm]	35
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Elongation [%]	5
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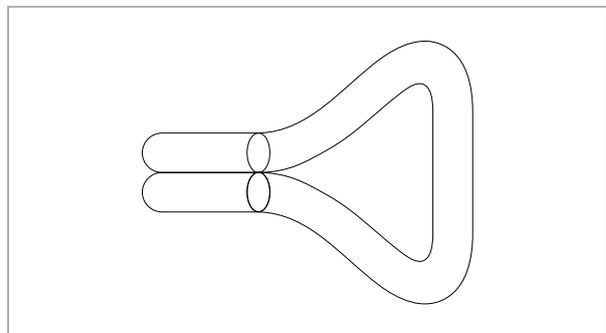
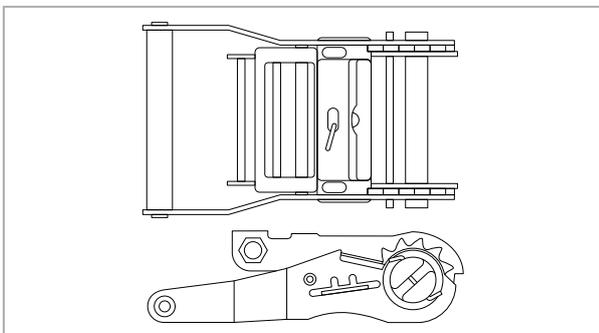
S_{TF} [daN]	200
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Ratchet buckle

186036

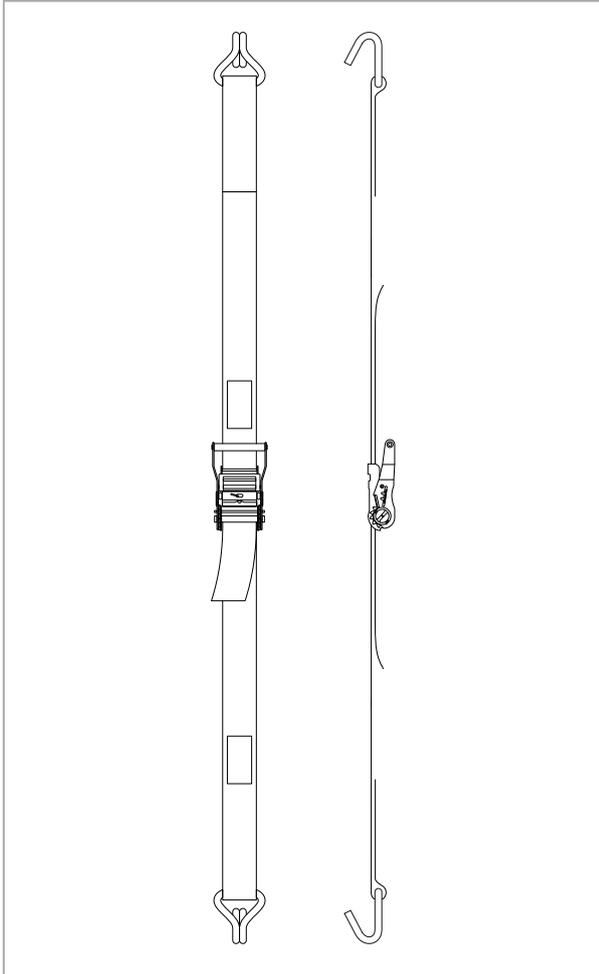
Hook

186004



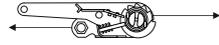


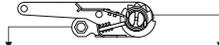
TEKSON®



182002

Model: lashing strap 5 m with ratchet 200 daN and double „J” - hook, colour: black

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **4,5**

Width [mm] **35**

Elongation [%] **5**

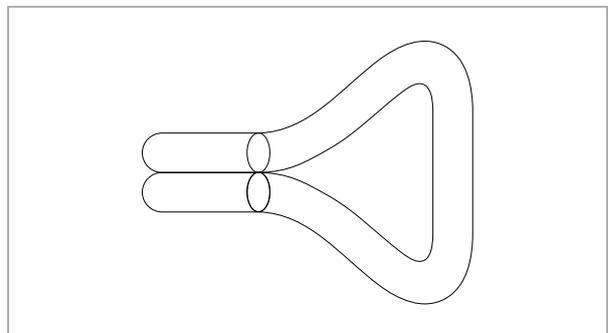
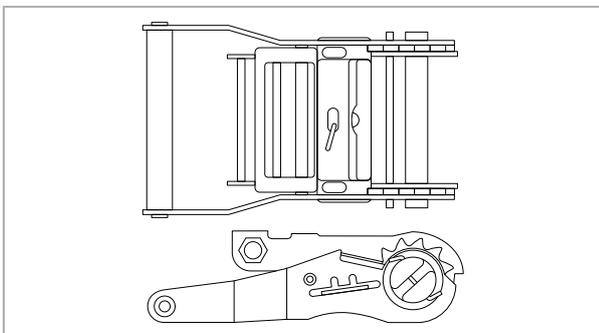
S_{TF} [daN] **200**

Ratchet buckle

186036

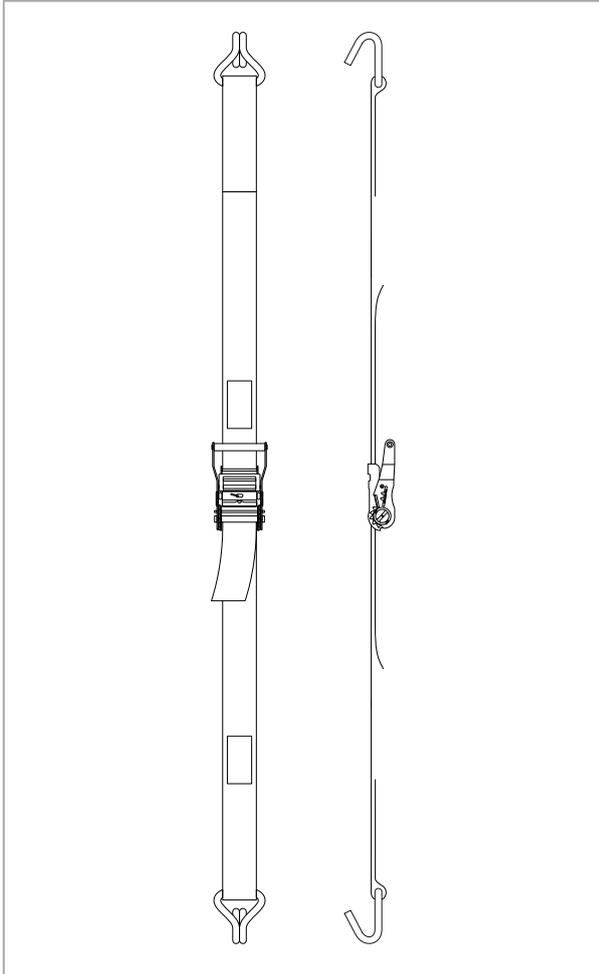
Hook

186004



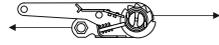


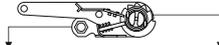
TEKSON®



182020

Model: lashing strap 6 m with ratchet 200 daN and double „J” - hook, colour: black

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

Width [mm] **35**

Elongation [%] **5**

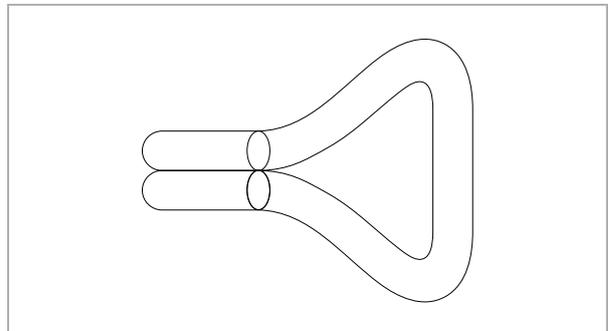
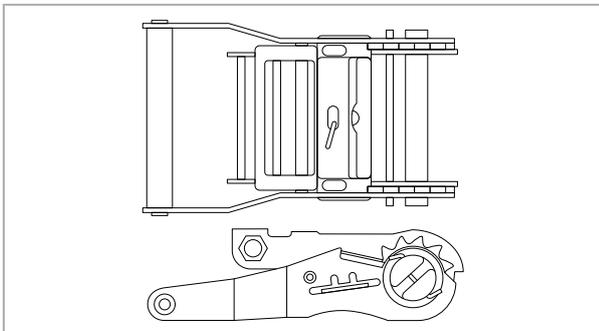
S_{TF} [daN] **200**

Ratchet buckle

186036

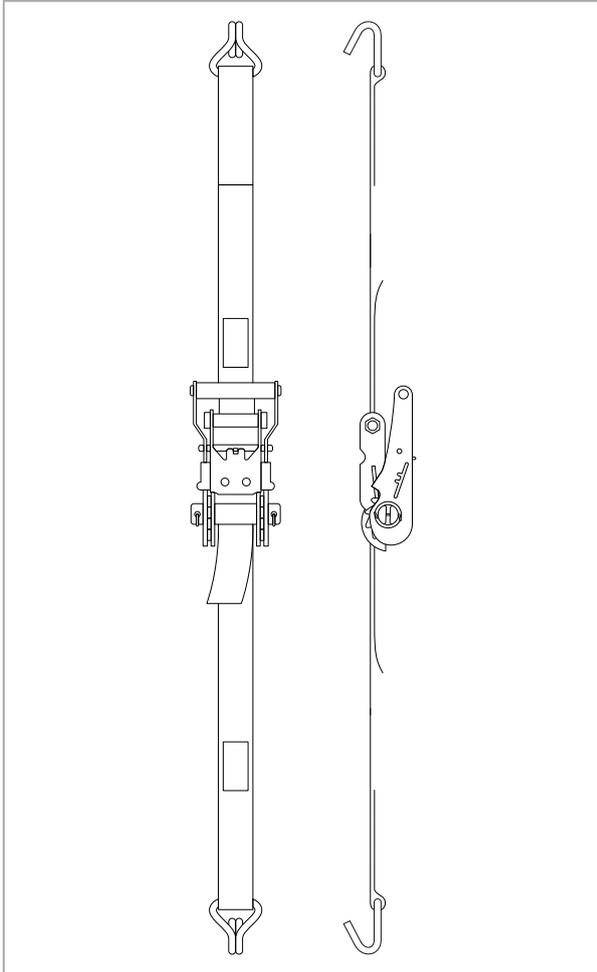
Hook

186004





TEKSON®



182016

Model: lashing strap 4 m with ratchet 210 daN and double „J” - hook, colour: black

LC [daN]		1500
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LC [daN]		3000
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Lenght L_{GF} [m]	0,5
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Lenght L_{GL} [m]	3,5
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Width [mm]	35
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Elongation [%]	5
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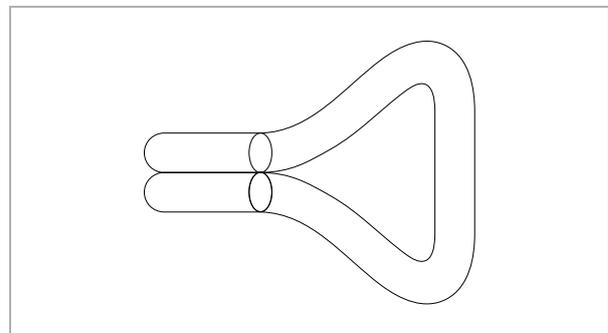
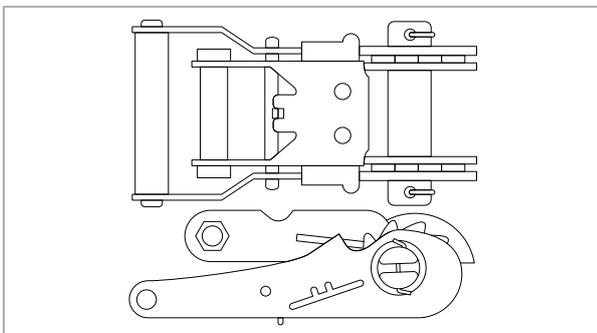
S_{TF} [daN]	210
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Ratchet buckle

186035

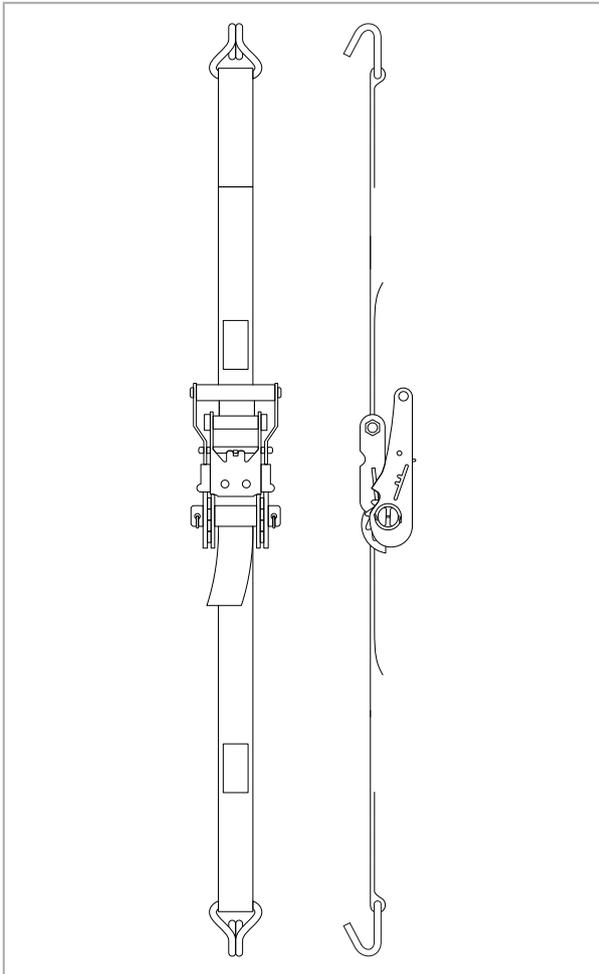
Hook

186006



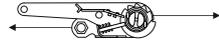


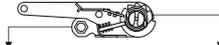
TEKSON®



182017

Model: lashing strap 6 m with ratchet 210 daN and double „J” - hook, colour: black

LC [daN]  **1500**

LC [daN]  **3000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **5,5**

Width [mm] **35**

Elongation [%] **5**

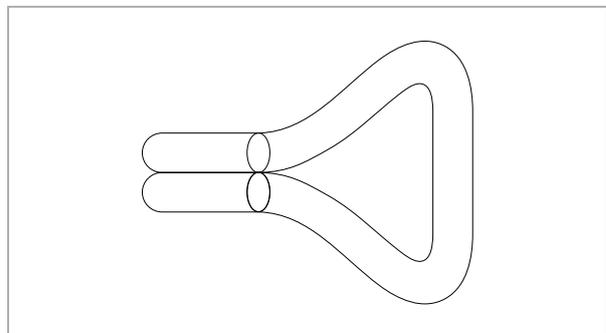
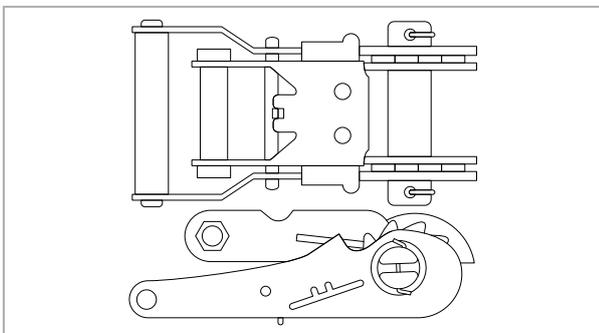
S_{TF} [daN] **210**

Ratchet buckle

186035

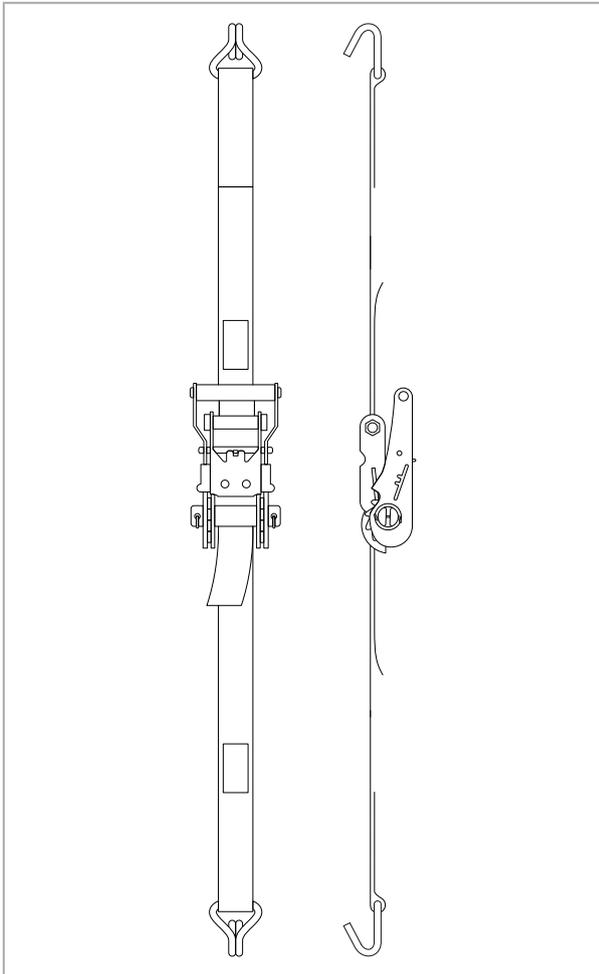
Hook

186006





TEKSON®



182006

Model: lashing strap 8 m with ratchet 210 daN and double „J” - hook, colour: black

LC [daN]		1500
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LC [daN]		3000
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Lenght L_{GF} [m]	0,5
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Lenght L_{GL} [m]	7,5
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Width [mm]	35
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Elongation [%]	5
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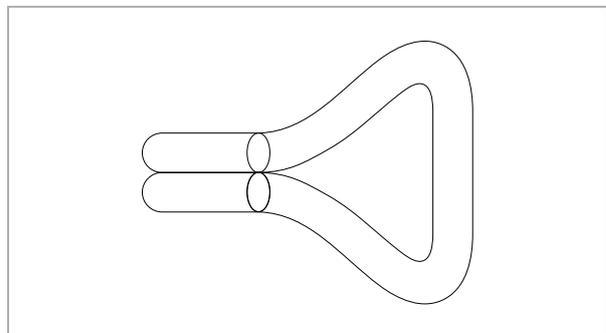
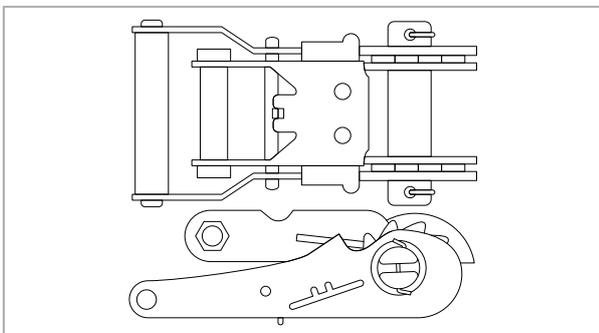
S_{TF} [daN]	210
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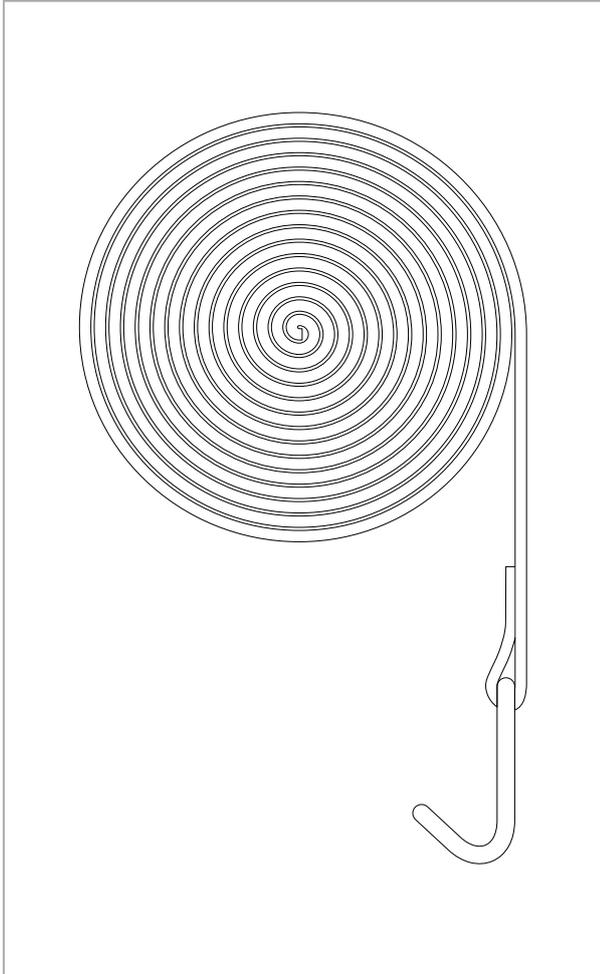
Ratchet buckle

186035

Hook

186006





181040

Model: lashing strap 5,5 m with double „J” - hook (long part), colour: red

LC [daN]		2500
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LC [daN]		5000
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Lenght L _{GF} [m]	-
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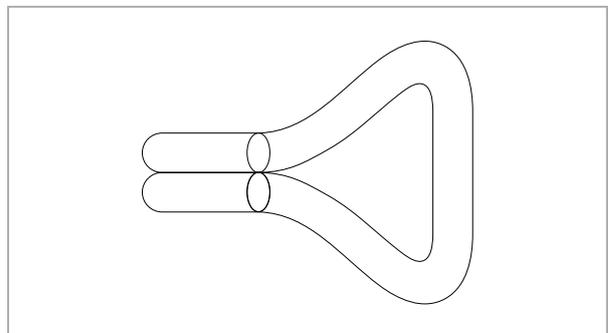
Lenght L _{GL} [m]	5,5
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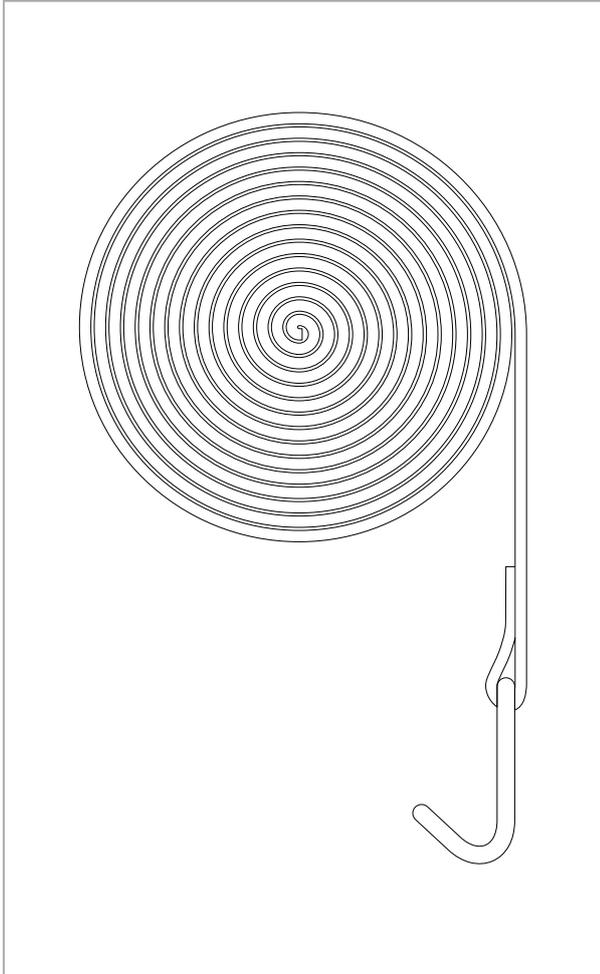
Width [mm]	50
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Elongation [%]	5
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S _{TF} [daN]	500
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Hook	186000
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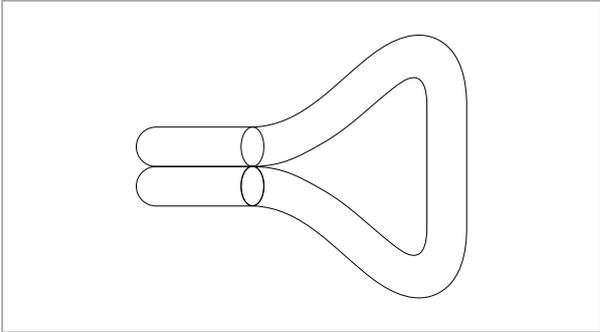


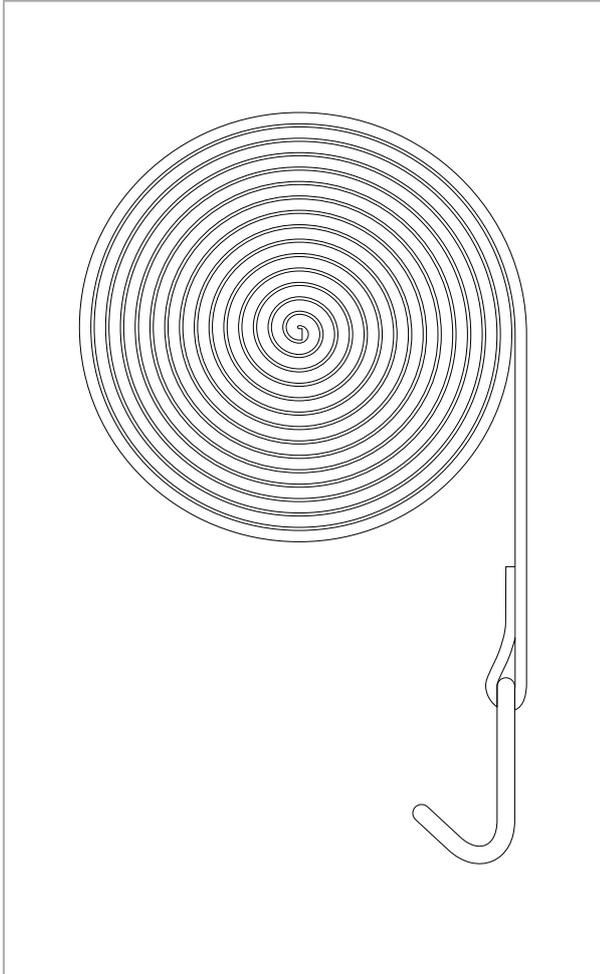


181050

Model: lashing strap 7,5 m with double „J” - hook (long part), colour: red

LC [daN]		2500
LC [daN]		5000
Lenght L _{GF} [m]		-
Lenght L _{GL} [m]		7,5
Width [mm]		50
Elongation [%]		5
S _{TF} [daN]		500
Hook		186000





181060

Model: lashing strap 9,5 m with double „J” - hook (long part), colour: red

LC [daN]		2500
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LC [daN]		5000
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Lenght L _{GF} [m]	-
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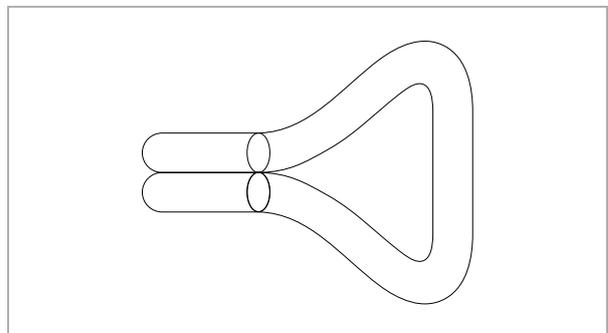
Lenght L _{GL} [m]	9,5
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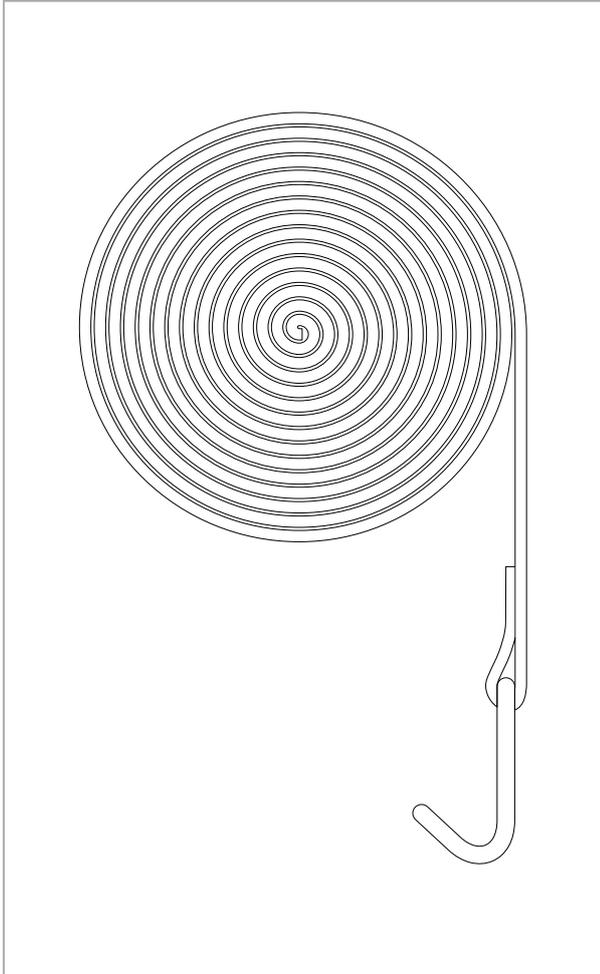
Width [mm]	50
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Elongation [%]	5
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S _{TF} [daN]	500
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Hook	186000
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181070

Model: lashing strap 11,5 m with double „J” - hook (long part), colour: red

LC [daN]		2500
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LC [daN]		5000
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Lenght L _{GF} [m]	-
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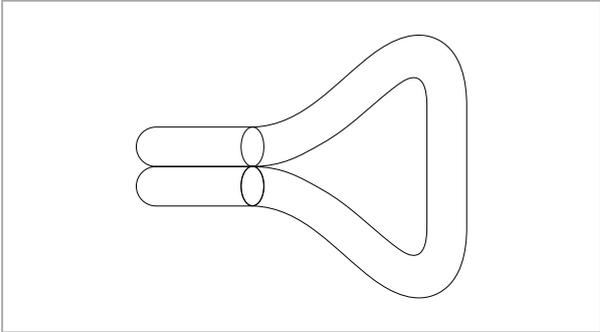
Lenght L _{GL} [m]	11,5
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Width [mm]	50
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Elongation [%]	5
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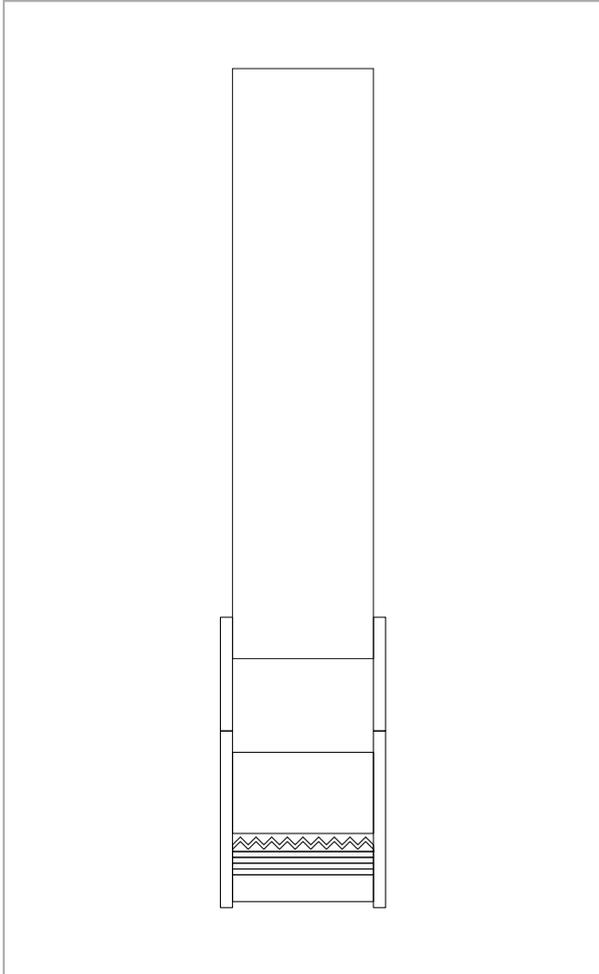
S _{TF} [daN]	500
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Hook	186000
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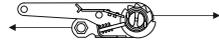


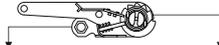
TEKSON®



182012

Model: lashing strap 3 m with cam buckle, colour: black

LC [daN]  **125**

LC [daN]  **250**

Lenght L_{GF} [m] **-**

Lenght L_{GL} [m] **3,0**

Width [mm] **25**

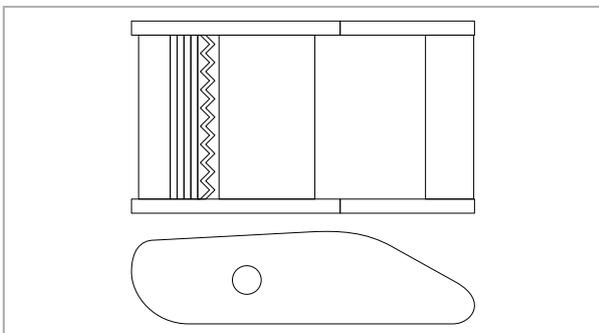
Elongation [%] **5**

S_{TF} [daN] **-**

Ratchet buckle

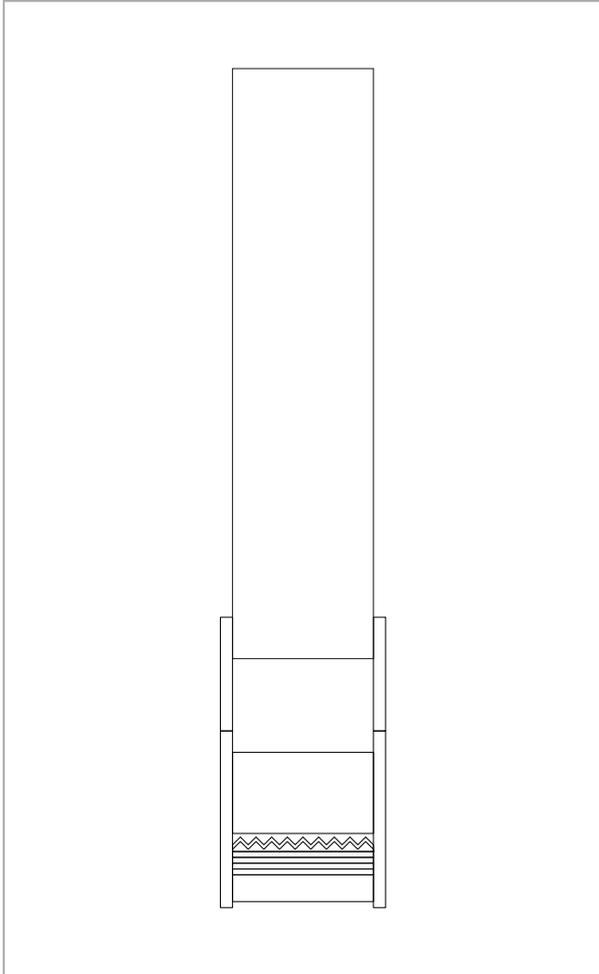
186020

Hook **-**



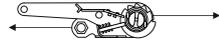


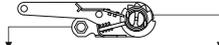
TEKSON®



182013

Model: lashing strap 5 m with cam buckle, colour: black

LC [daN]  **125**

LC [daN]  **250**

Lenght L_{GF} [m] **-**

Lenght L_{GL} [m] **5,0**

Width [mm] **25**

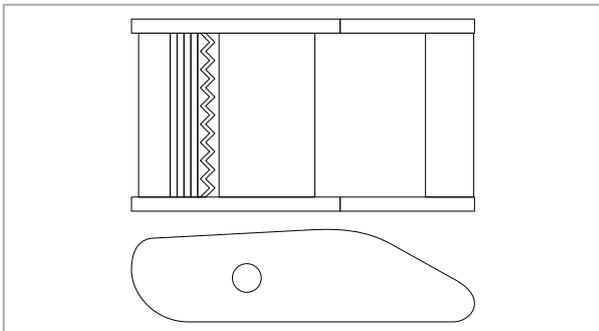
Elongation [%] **5**

S_{TF} [daN] **-**

Ratchet buckle

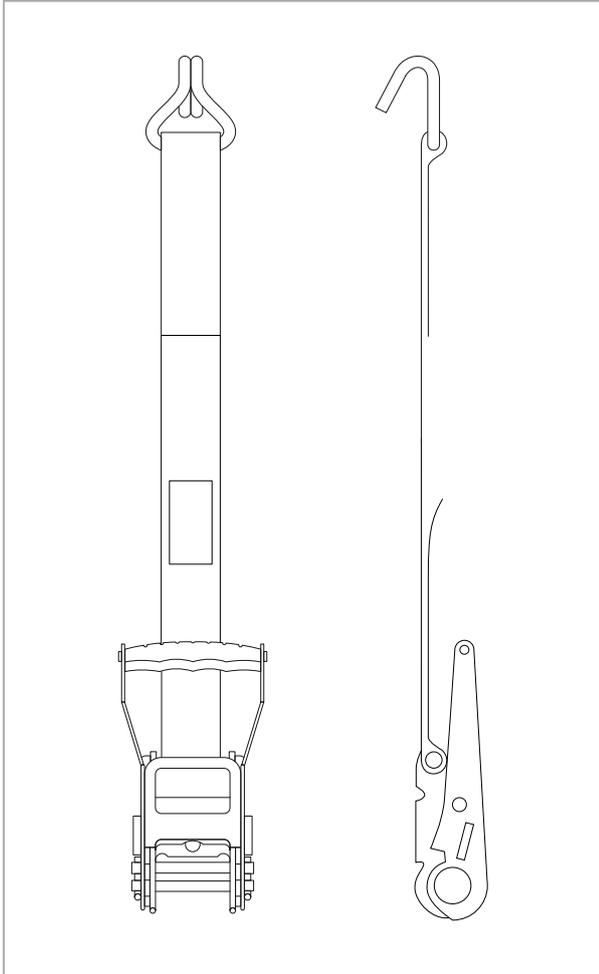
186020

Hook **-**



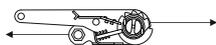


TEKSON®



180080

Model: lashing strap 0,5 m with push - type ratchet 350 daN with double „J” - hook (short part), colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **-**

Width [mm] **50**

Elongation [%] **5**

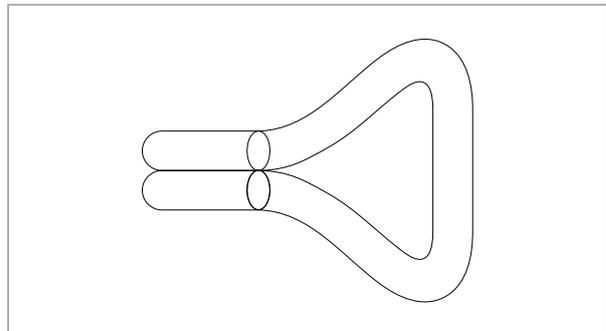
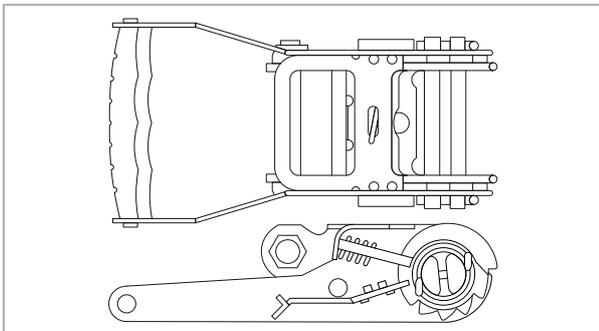
S_{TF} [daN] **350**

Ratchet buckle

186052

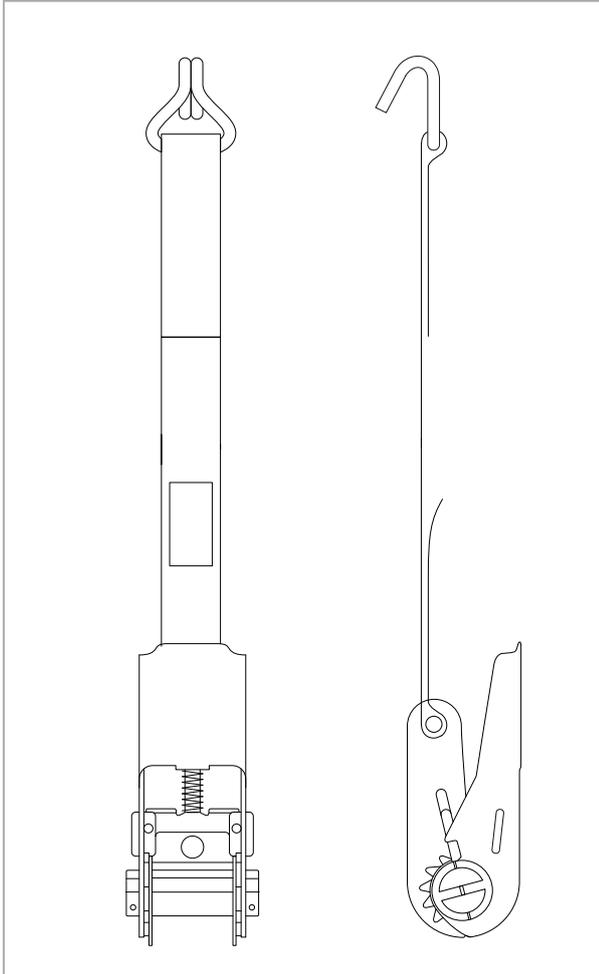
Hook

186000



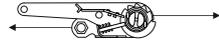


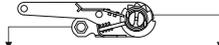
TEKSON®



180080

Model: lashing strap 0,5 m with push - type ratchet 350 daN with double „J” - hook (short part), colour: red

LC [daN]  **2500**

LC [daN]  **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **-**

Width [mm] **50**

Elongation [%] **5**

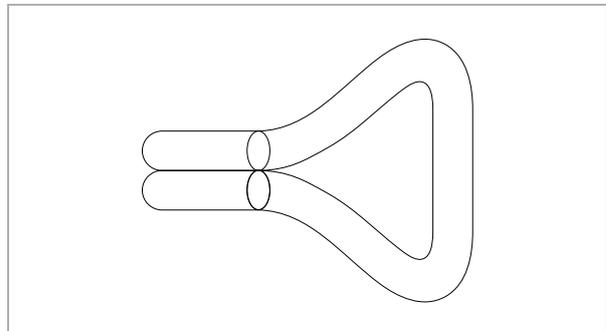
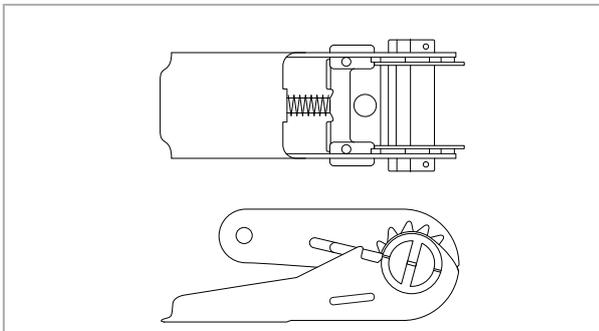
S_{TF} [daN] **350**

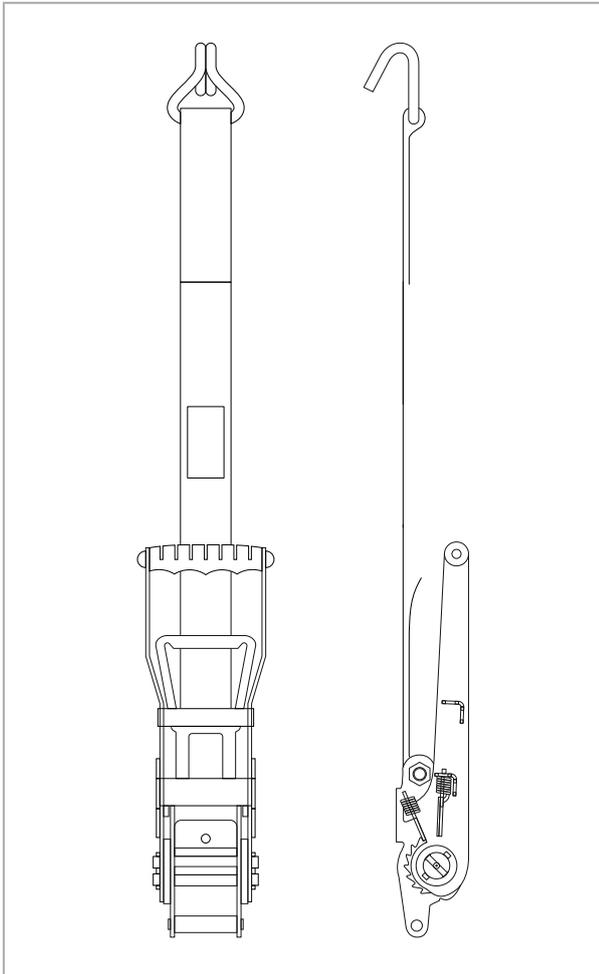
Ratchet buckle

186025

Hook

186000





181120

Model: lashing strap 0,5 m with pull - type ratchet (ERGO) 500 daN with double „J” - hook (short part), colour: red

LC [daN] **2500**

LC [daN] **5000**

Lenght L_{GF} [m] **0,5**

Lenght L_{GL} [m] **-**

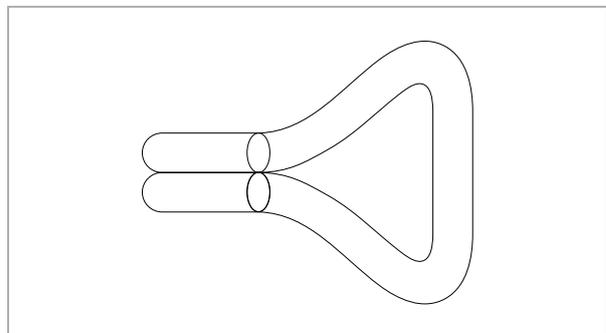
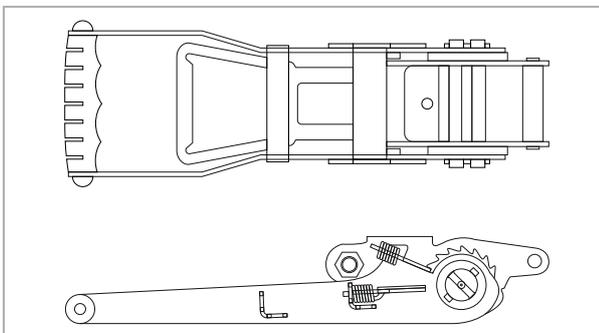
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **500**

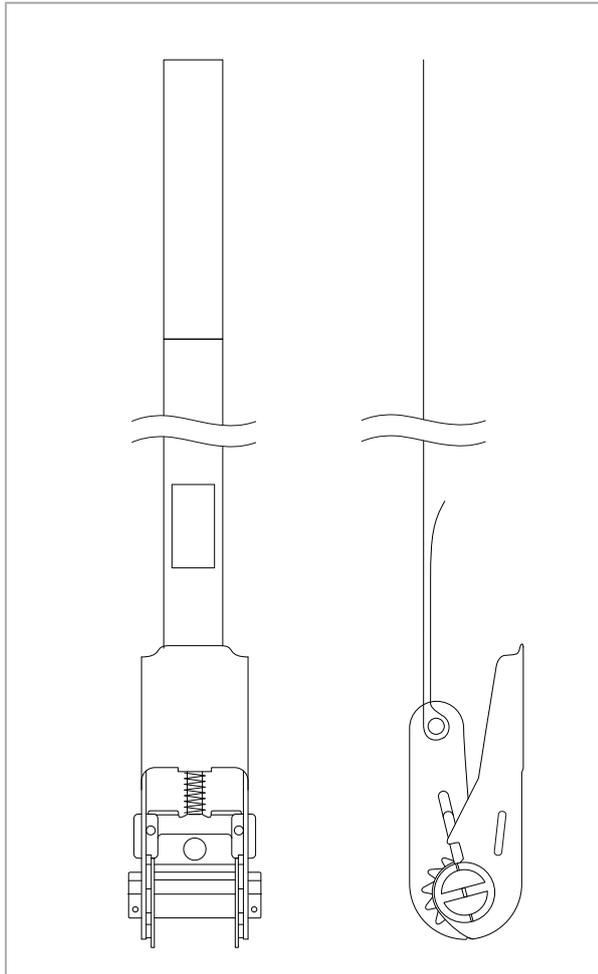
Ratchet buckle **186054**

Hook **186000**



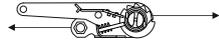


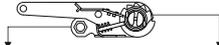
TEKSON®



182073

Model: one - piece strap 4m with ratchet 120 daN

LC [daN]  **500**

LC [daN]  **1000**

Lenght L_{GF} [m] **4**

Lenght L_{GL} [m] **-**

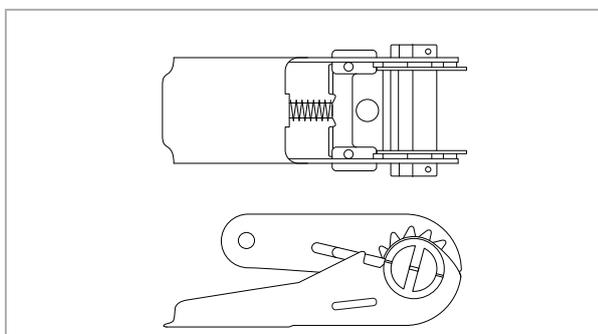
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

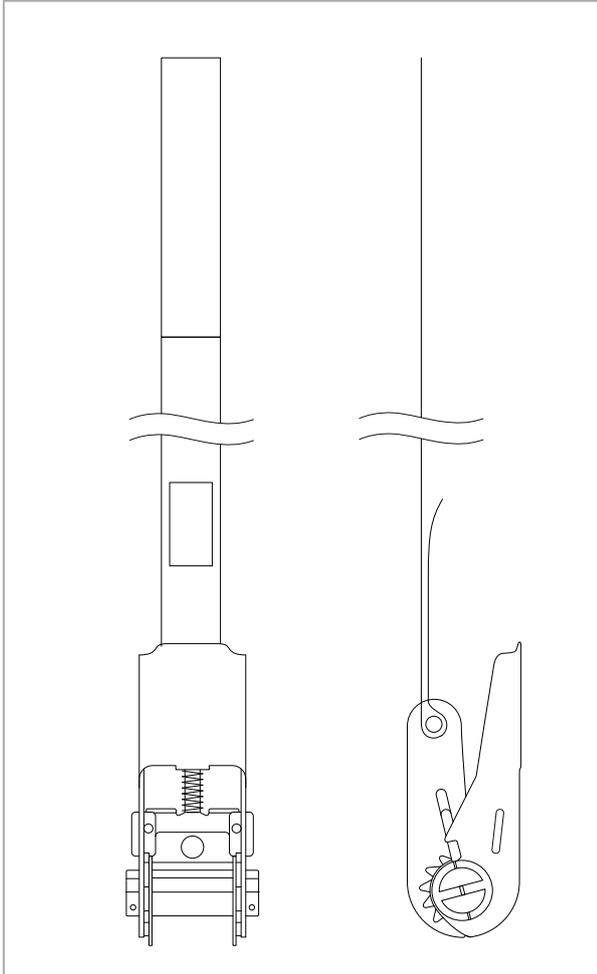
Ratchet buckle

186025



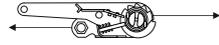


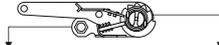
TEKSON®



182090

Model: one - piece strap 5m with ratchet 120 daN

LC [daN]  **500**

LC [daN]  **1000**

Lenght L_{GF} [m] **5**

Lenght L_{GL} [m] **-**

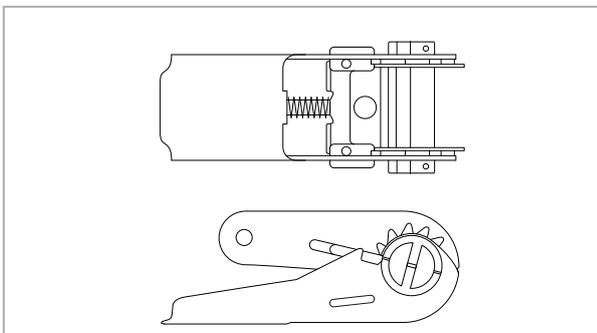
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

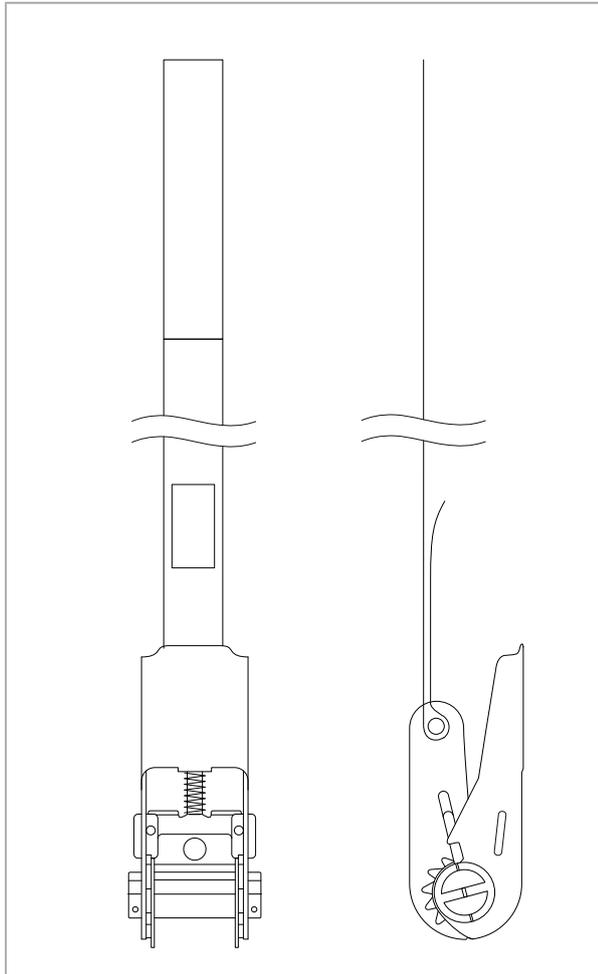
Ratchet buckle

186025



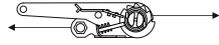


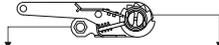
TEKSON®



182074

Model: one - piece strap 6m with ratchet 120 daN

LC [daN]  **500**

LC [daN]  **1000**

Lenght L_{GF} [m] **6**

Lenght L_{GL} [m] **-**

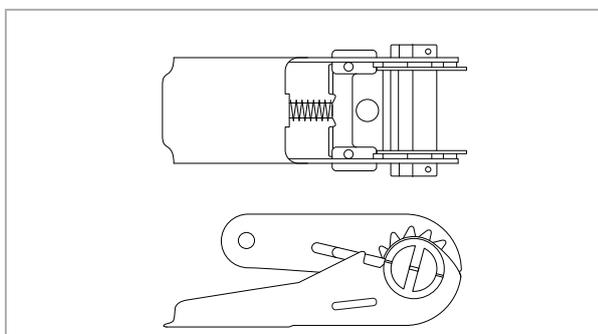
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

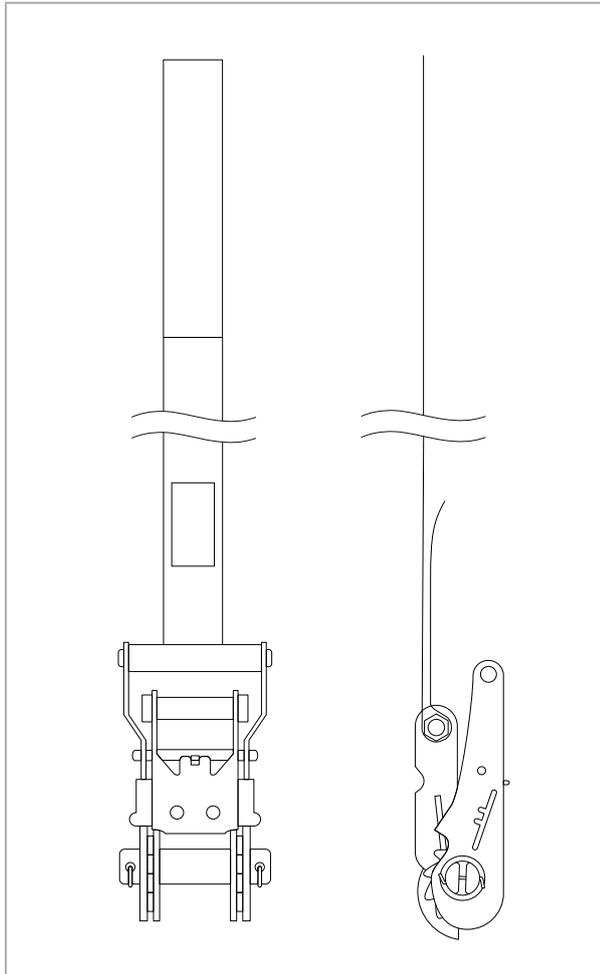
Ratchet buckle

186025



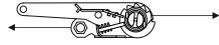


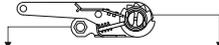
TEKSON®



182071

Model: one - piece strap 4m with ratchet 200 daN

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **4**

Lenght L_{GL} [m] **-**

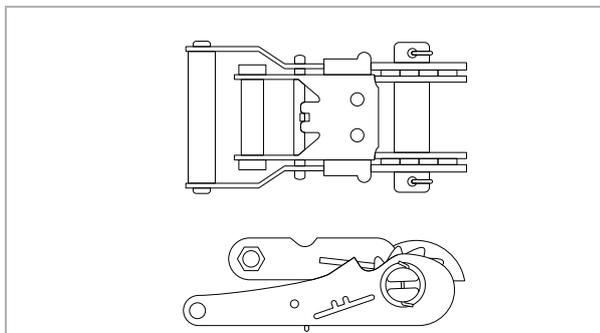
Width [mm] **35**

Elongation [%] **5**

S_{TF} [daN] **350**

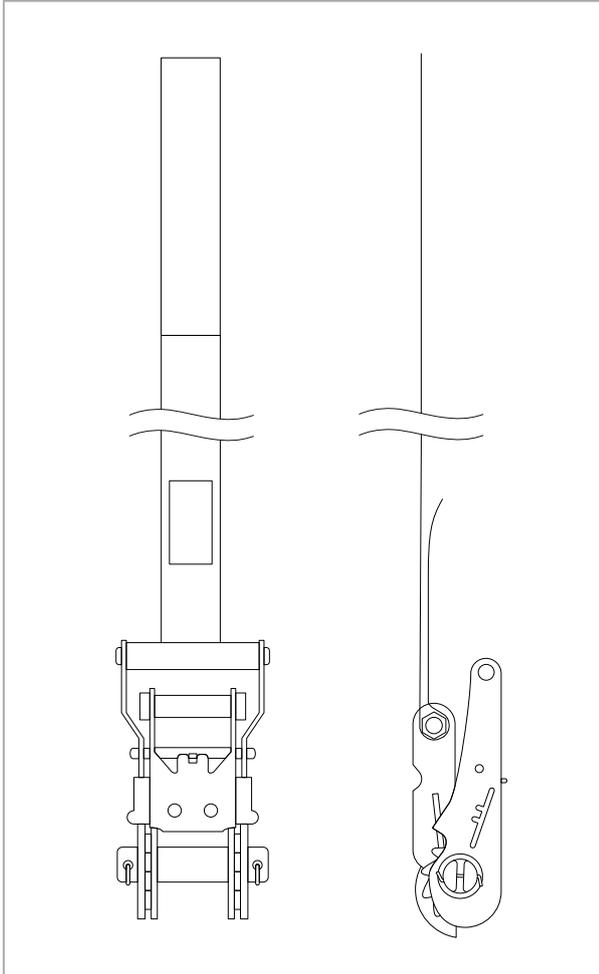
Ratchet buckle

186036



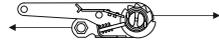


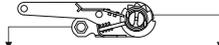
TEKSON®



182070

Model: one - piece strap 6m with ratchet 200 daN

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **6**

Lenght L_{GL} [m] **-**

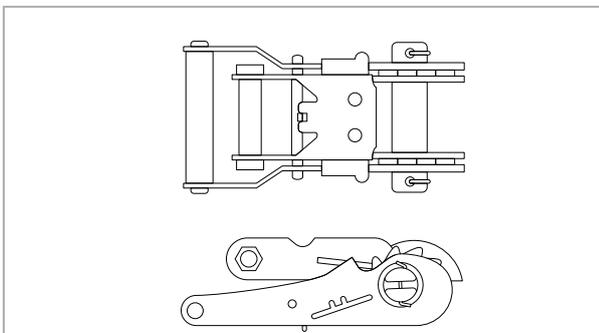
Width [mm] **35**

Elongation [%] **5**

S_{TF} [daN] **350**

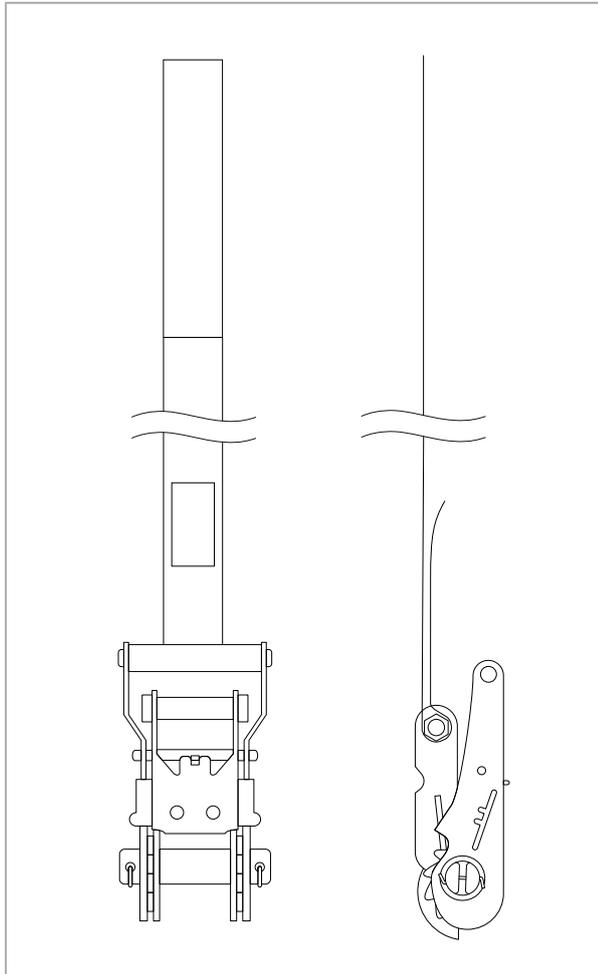
Ratchet buckle

186036



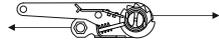


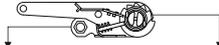
TEKSON®



182072

Model: one - piece strap 8m with ratchet 200 daN

LC [daN]  **1000**

LC [daN]  **2000**

Lenght L_{GF} [m] **8**

Lenght L_{GL} [m] **-**

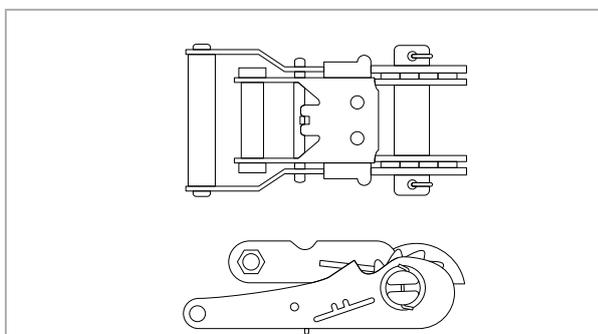
Width [mm] **35**

Elongation [%] **5**

S_{TF} [daN] **350**

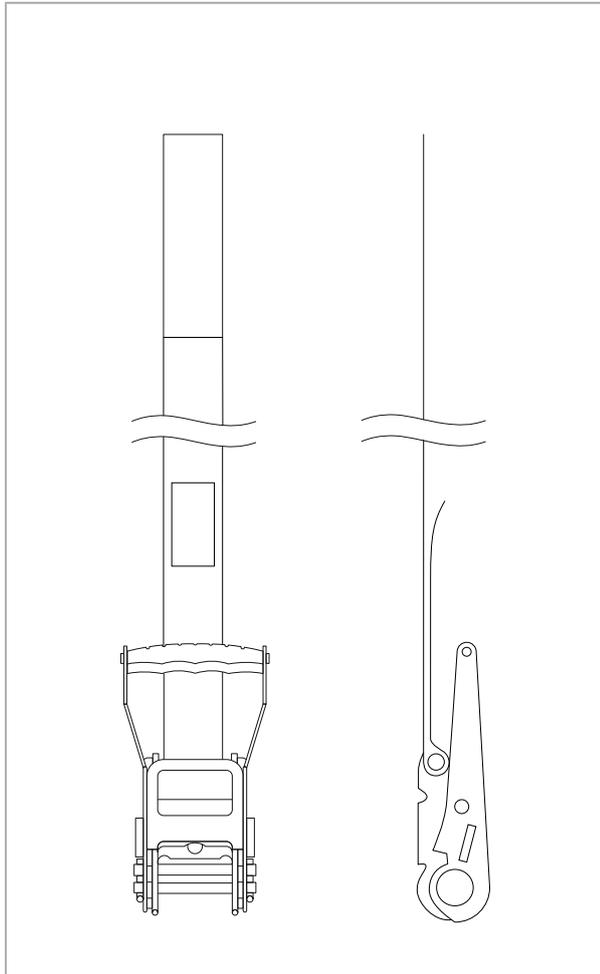
Ratchet buckle

186036



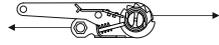


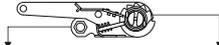
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182075

Model: one - piece strap 6m with ratchet 350 daN

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **6**

Lenght L_{GL} [m] **-**

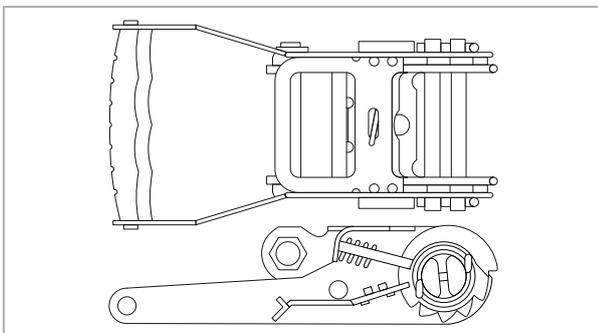
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

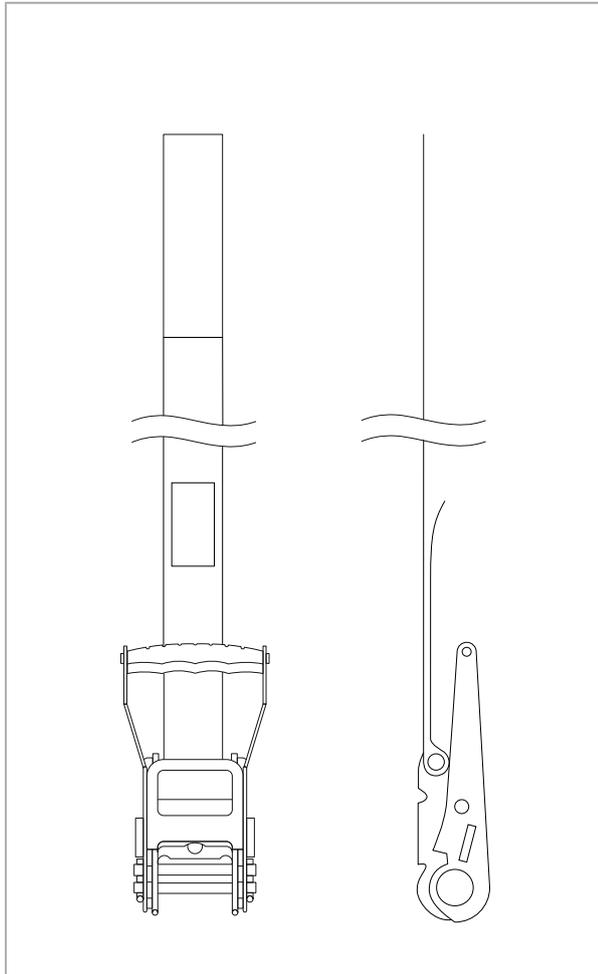
Ratchet buckle

186052



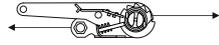


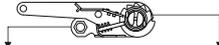
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182076

Model: one - piece strap 8m with ratchet 350 daN

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **8**

Lenght L_{GL} [m] **-**

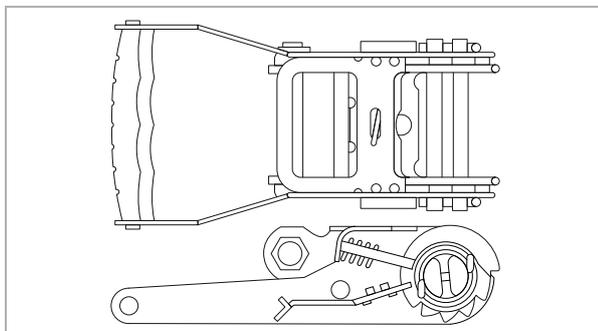
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

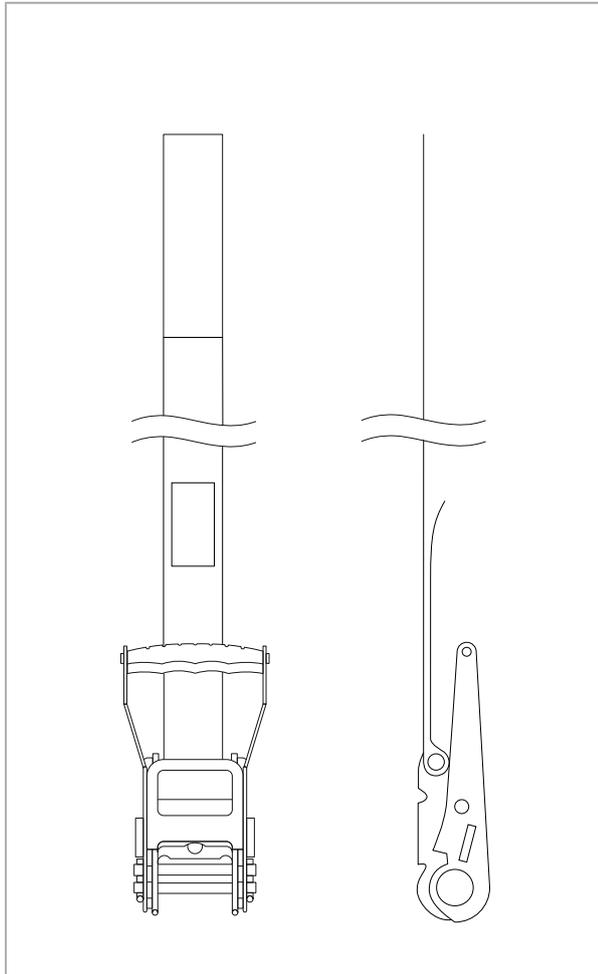
Ratchet buckle

186052



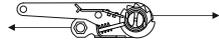


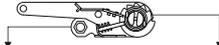
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182077

Model: one - piece strap 10m with ratchet 350 daN

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **10**

Lenght L_{GL} [m] **-**

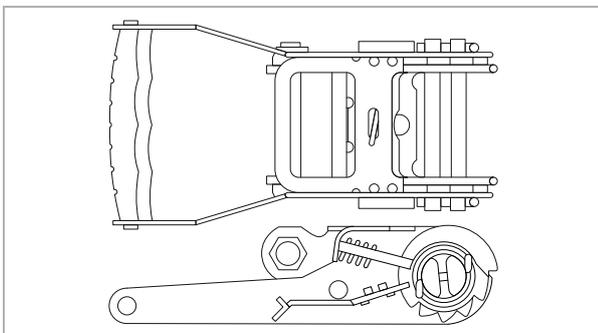
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

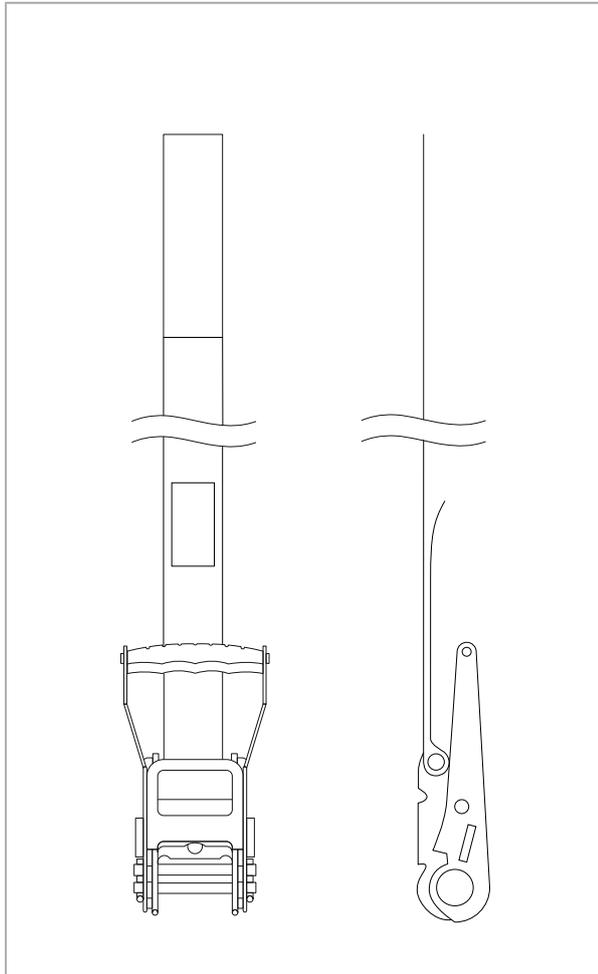
Ratchet buckle

186052



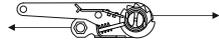


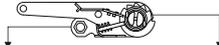
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182078

Model: one - piece strap 12m with ratchet 350 daN

LC [daN]  **2000**

LC [daN]  **4000**

Lenght L_{GF} [m] **12**

Lenght L_{GL} [m] **-**

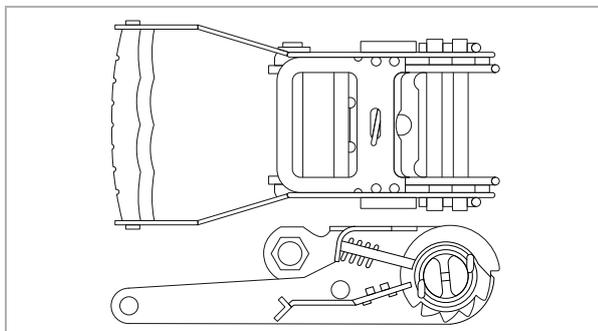
Width [mm] **50**

Elongation [%] **5**

S_{TF} [daN] **350**

Ratchet buckle

186052





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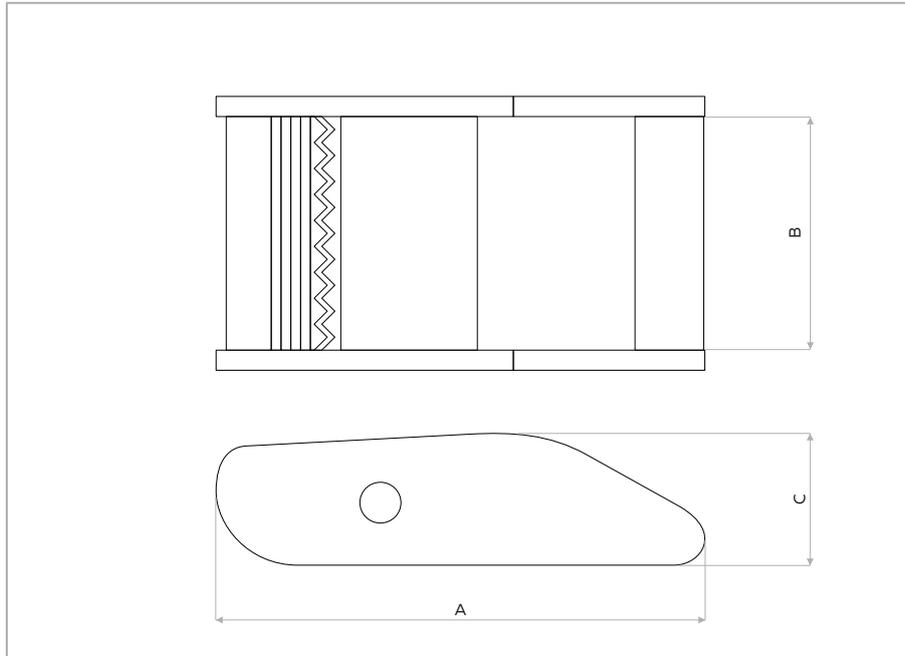


COMPONENTS OF LASHING STRAPS

THE SIMPLE WAY TO SAFETY



COMPONENTS OF LASHING STRAPS



186020

Model: cam buckle

A [mm] **44**

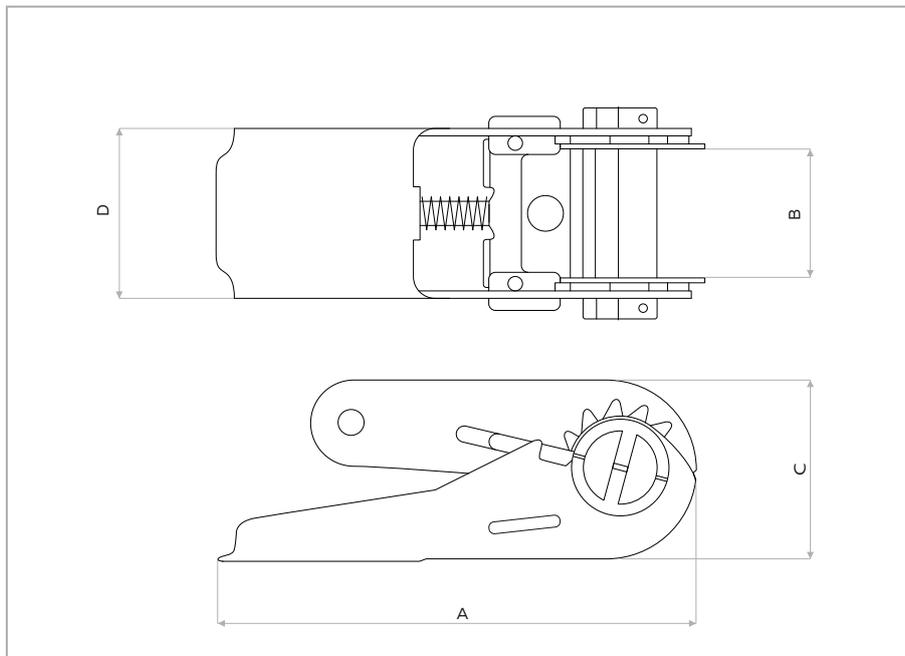
B [mm] **25**

C [mm] **17**

D [mm] **-**

S_{TF} [daN] **-**

Breaking load [kg] **250**



186025

Model: ratchet buckle (L112)
120 daN

A [mm] **112**

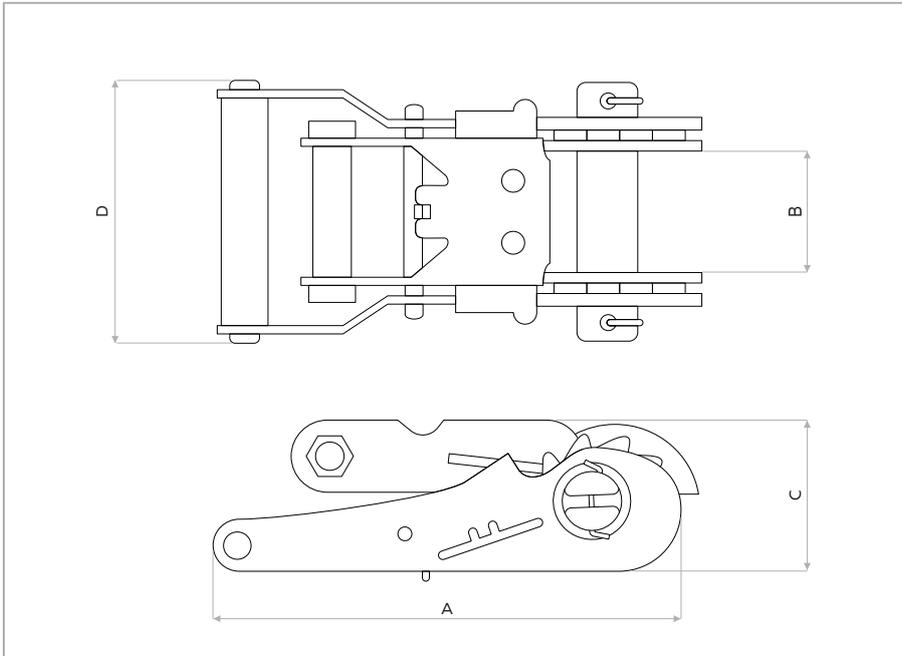
B [mm] **26**

C [mm] **39**

D [mm] **36**

S_{TF} [daN] **120**

Breaking load [kg] **1000**



186035

Model: ratchet buckle (L160)
210 daN

A [mm] **160**

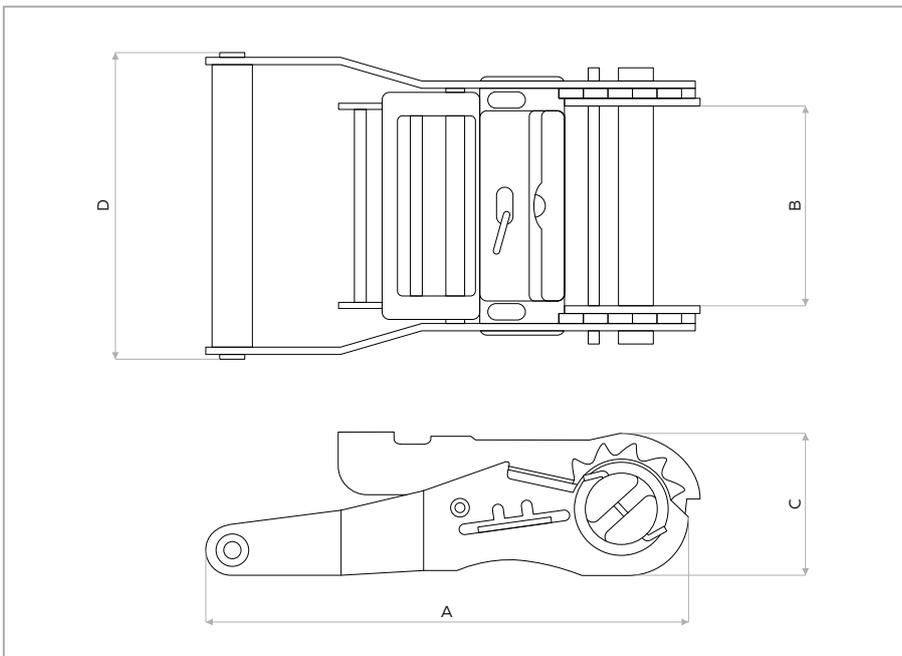
B [mm] **40**

C [mm] **48**

D [mm] **85**

S_{TF} [daN] **210**

Breaking load [kg] **3000**



186050

Model: ratchet buckle (L133)
200 daN

A [mm] **133**

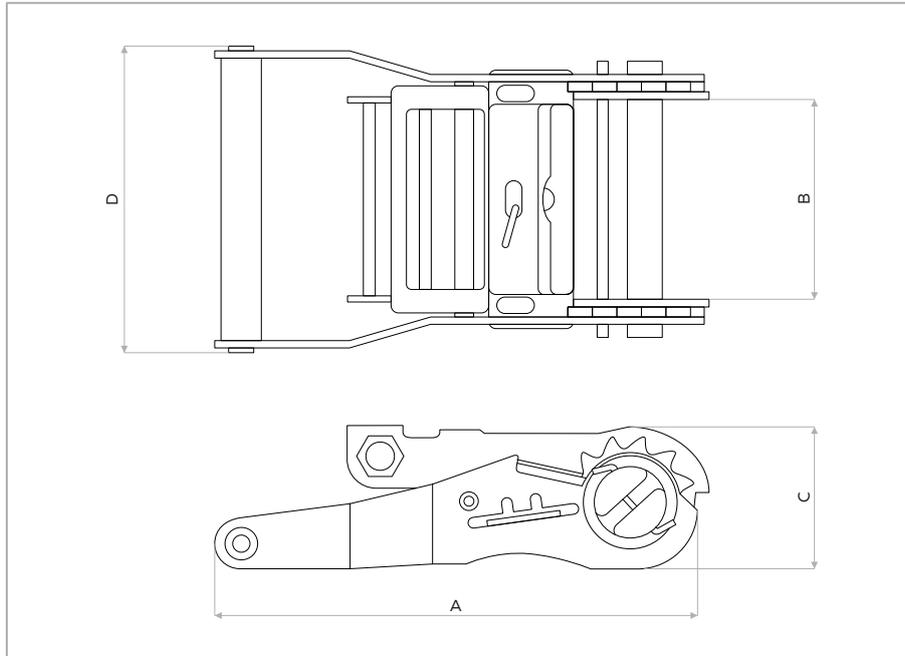
B [mm] **52**

C [mm] **40**

D [mm] **83**

S_{TF} [daN] **200**

Breaking load [kg] **2000**



186036

Model: ratchet buckle (L130)
200 daN

A [mm] **130**

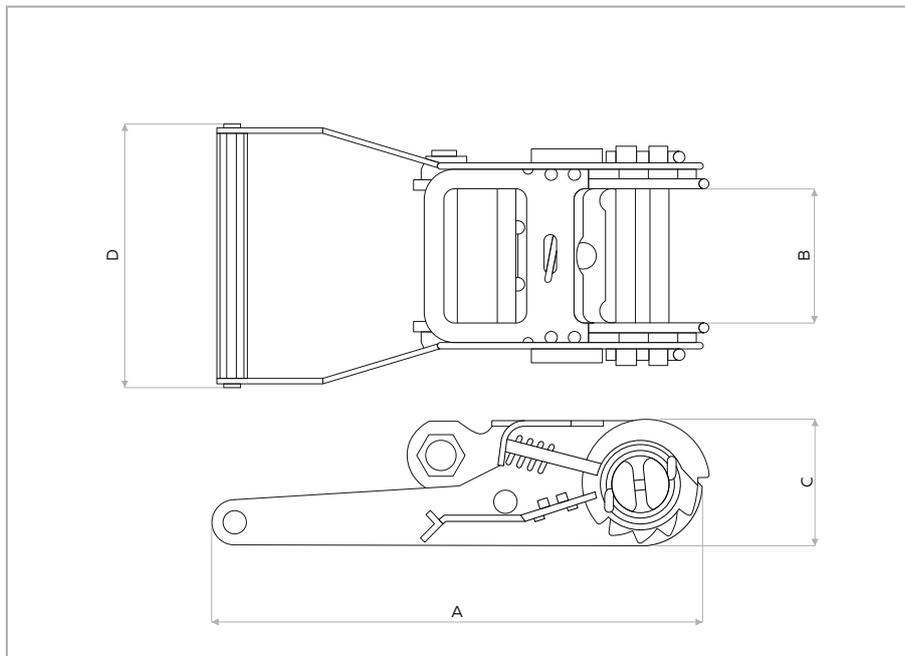
B [mm] **40**

C [mm] **40**

D [mm] **74**

S_{TF} [daN] **200**

Breaking load [kg] **2000**



186057

Model: push - type ratchet buckle
(L197) 350 daN

A [mm] **197**

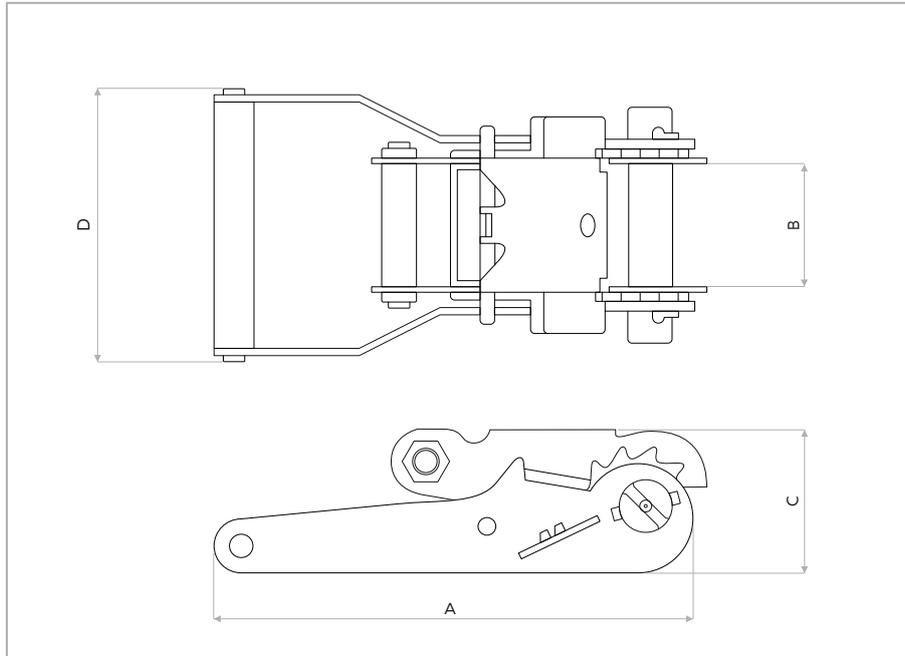
B [mm] **52**

C [mm] **54**

D [mm] **102**

S_{TF} [daN] **350**

Breaking load [kg] **5000**



186051

Model: push - type ratchet buckle (L165) 350 daN

A [mm] **165**

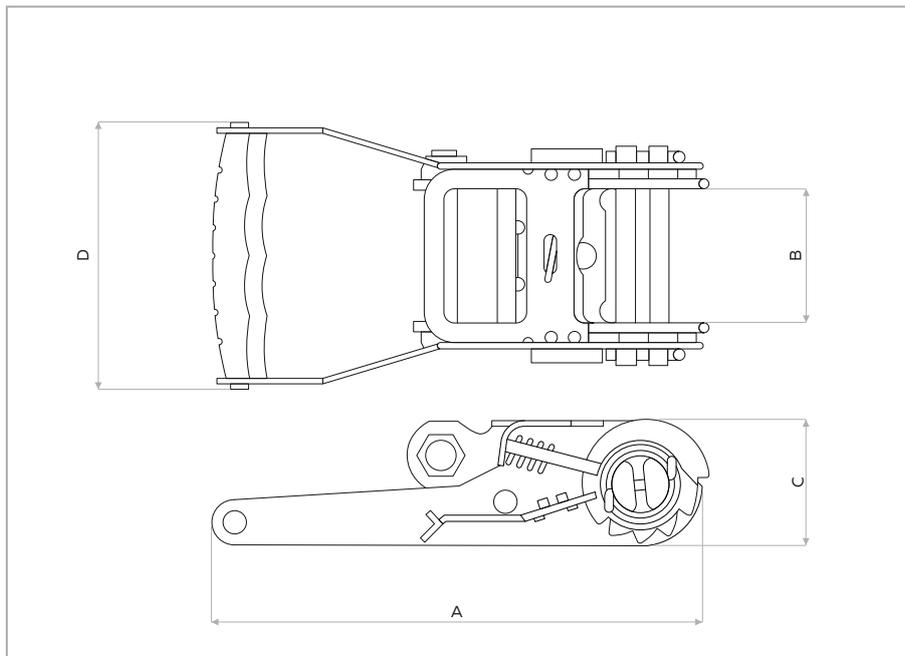
B [mm] **52**

C [mm] **57**

D [mm] **77**

S_{TF} [daN] **350**

Breaking load [kg] **5000**



186052

Model: push - type ratchet buckle (L226) 350 daN

A [mm] **226**

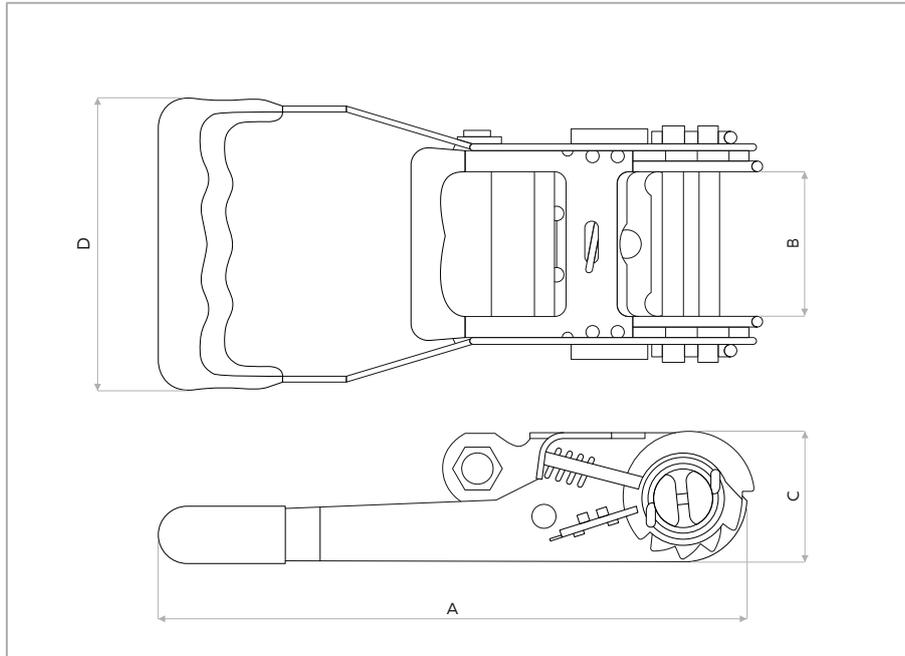
B [mm] **52**

C [mm] **54**

D [mm] **102**

S_{TF} [daN] **350**

Breaking load [kg] **5000**



186053

Model: push - type ratchet buckle (L225) 350 daN with rubber handle

A [mm] **225**

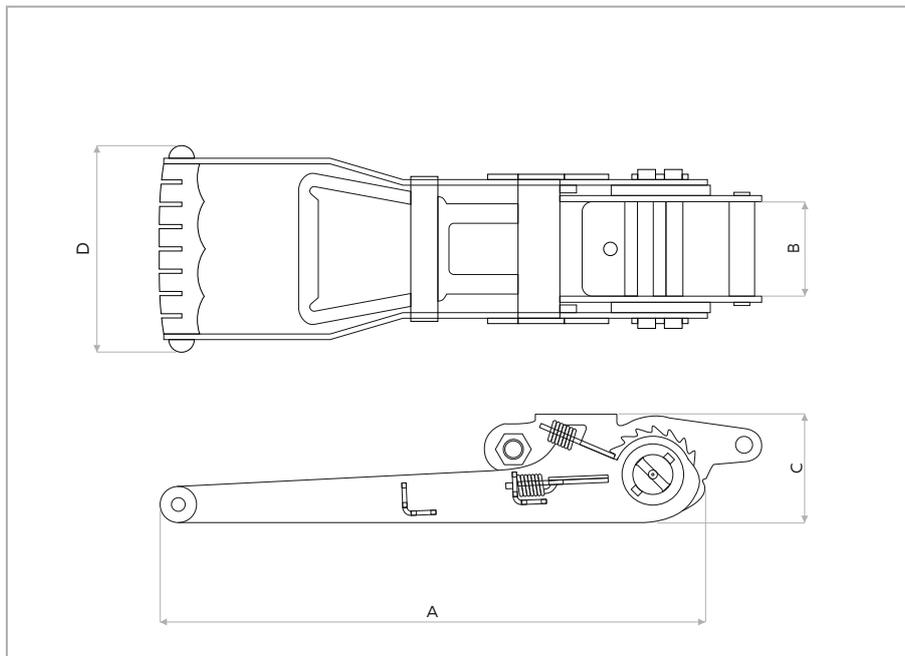
B [mm] **52**

C [mm] **56**

D [mm] **107**

S_{TF} [daN] **350**

Breaking load [kg] **5000**



186054

Model: pull - type ratchet buckle ERGO (L325) 500 daN

A [mm] **325**

B [mm] **53**

C [mm] **62**

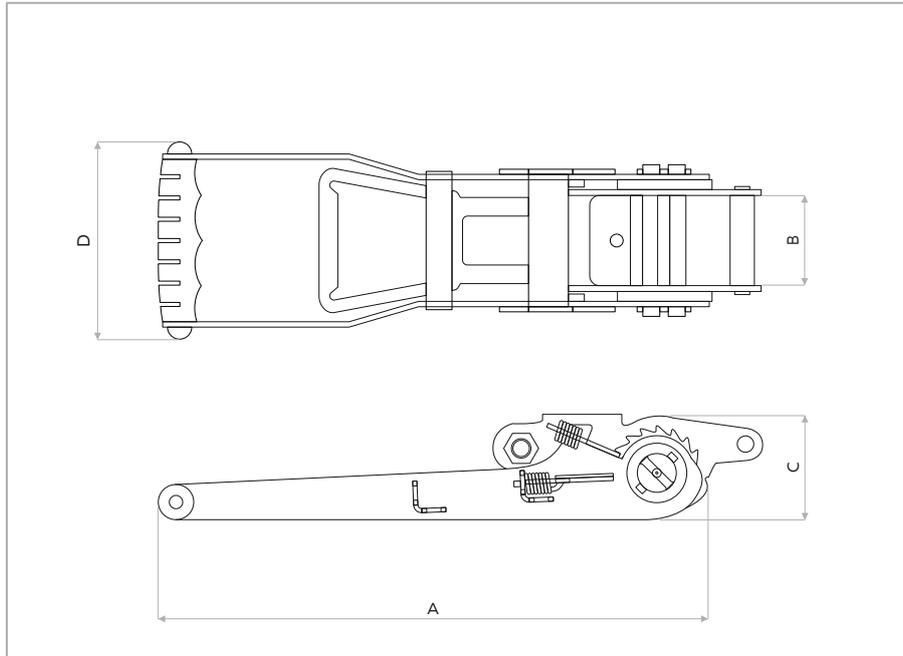
D [mm] **115**

S_{TF} [daN] **500**

Breaking load [kg] **5000**



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186055

Model: pull - type ratchet buckle
double ERGO (L375) 550 daN

A [mm] **375**

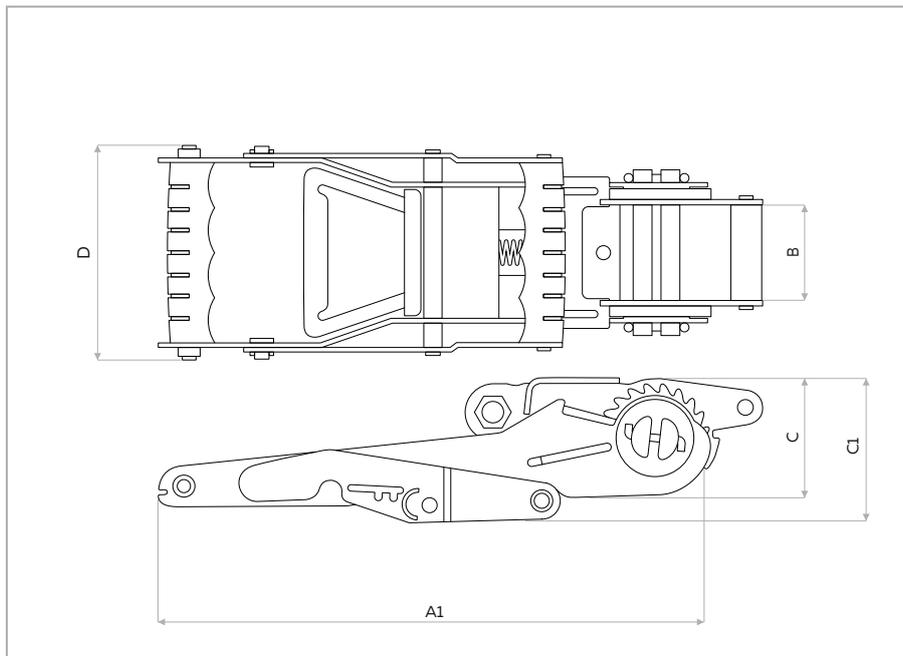
B [mm] **53**

C [mm] **62**

D [mm] **115**

S_{TF} [daN] **550**

Breaking load [kg] **5000**



186056

Model: pull - type ratchet buckle
(L415) 600 daN

A [mm] **415**

A1 [mm] **410**

B [mm] **53**

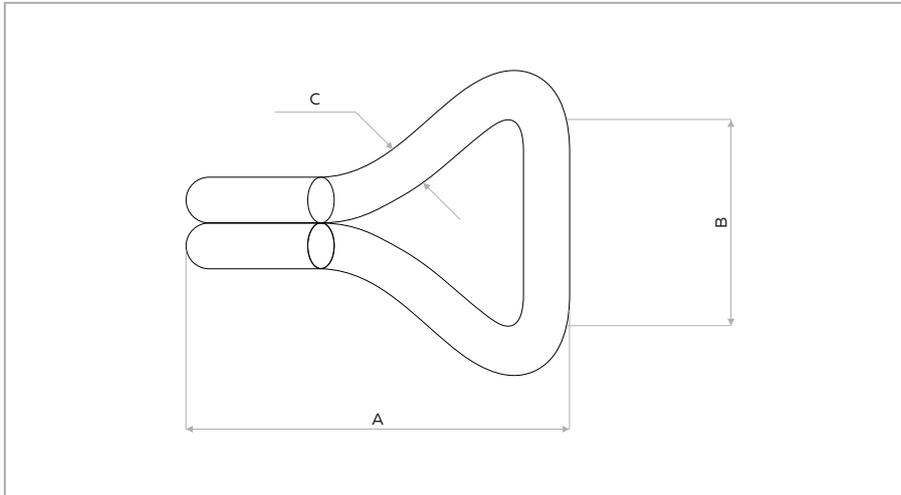
C [mm] **62**

C1 [mm] **78**

D [mm] **110**

S_{TF} [daN] **600**

Breaking load [kg] **5000**



186001

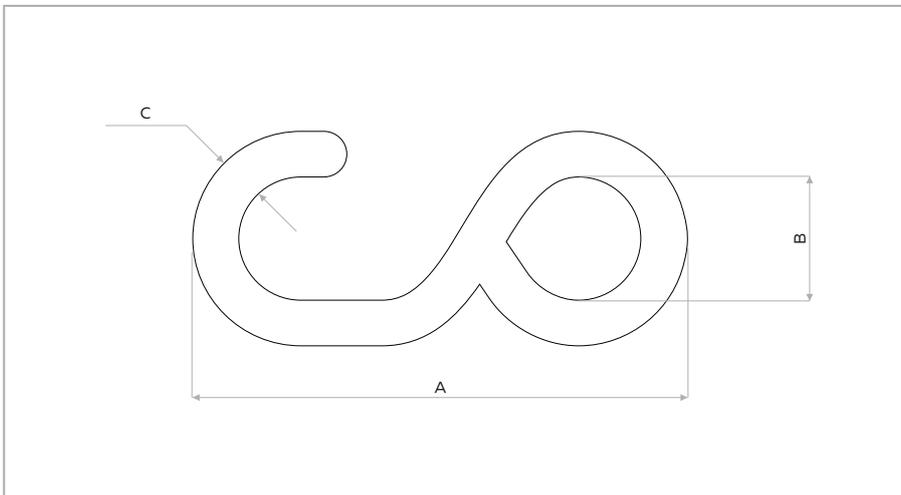
Model: double „J“ - hook 1T

A [mm] **48**

B [mm] **26**

C [mm] **6**

Breaking load [kg] **1000**



186008

Model: "S" hook

A [mm] **120**

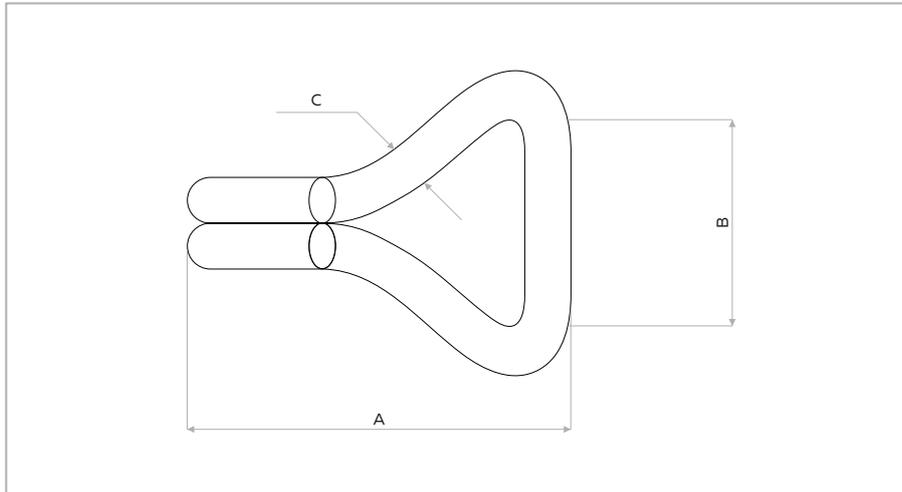
B [mm] **28**

C [mm] **10**

Breaking load [kg] **1200**



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186004

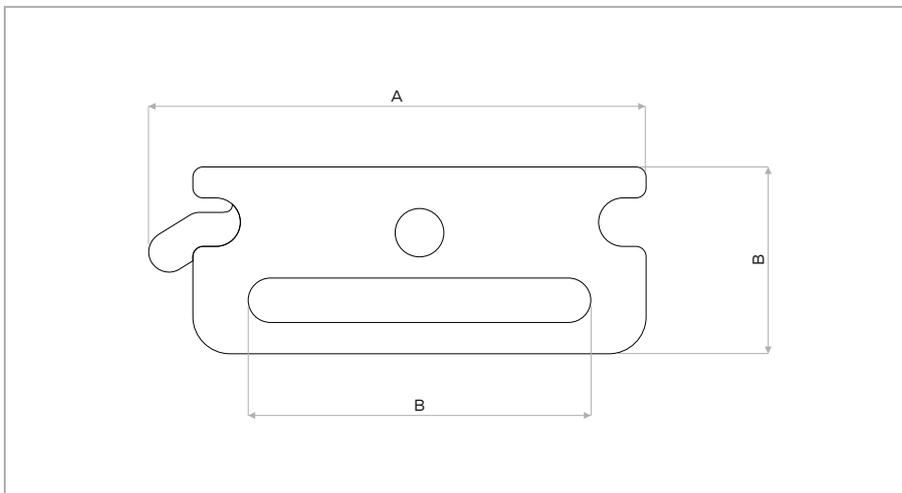
Model: double „J“ - hook 2T

A [mm] **62**

B [mm] **38**

C [mm] **8**

Breaking load [kg] **2000**



186005

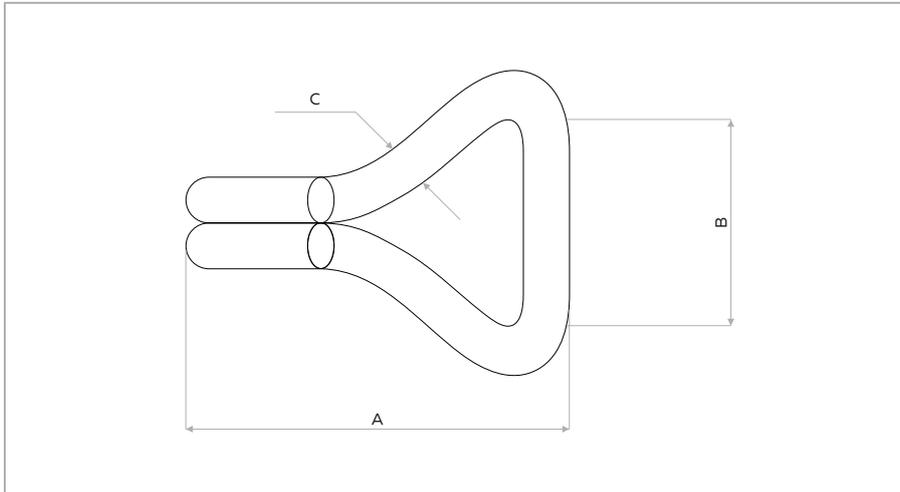
Model: "E-TRACK" hook

A [mm] **77**

B [mm] **51**

C [mm] **30**

Breaking load [kg] **2000**



186006

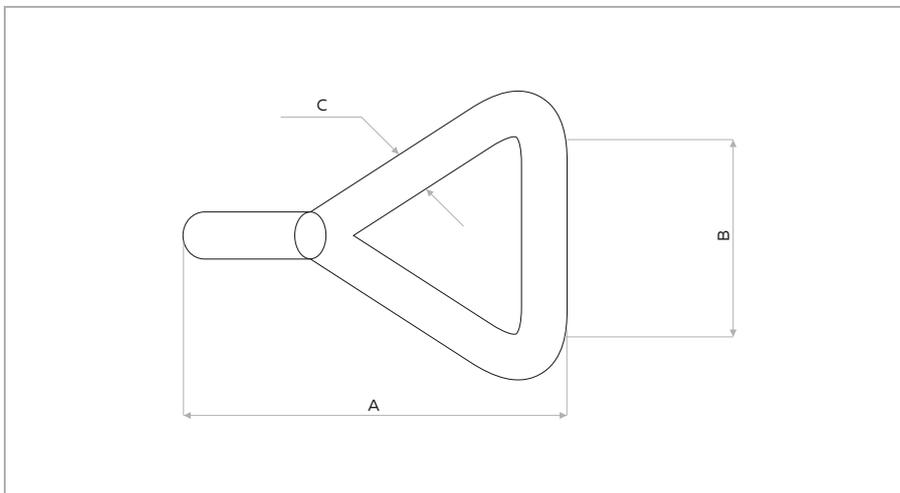
Model: double „J“ - hook 3T

A [mm] **68**

B [mm] **38**

C [mm] **9,3**

Breaking load [kg] **3000**



186010

Model: single „J“ - hook

A [mm] **120**

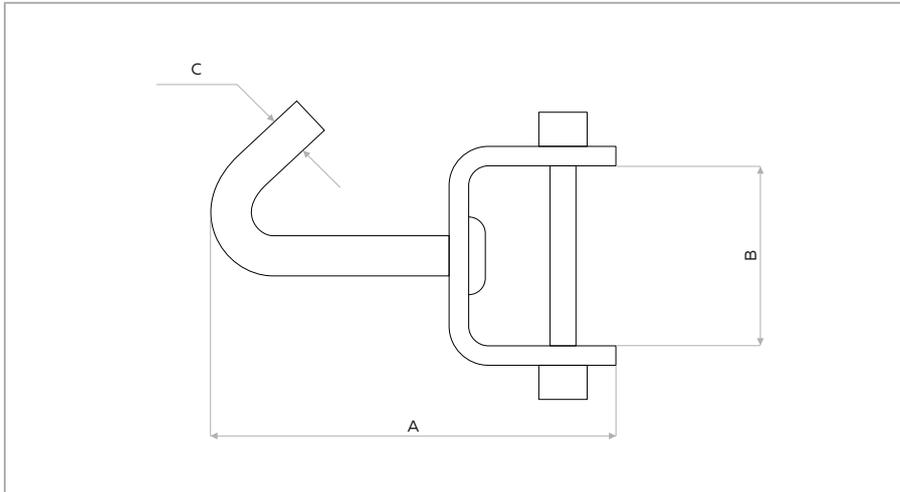
B [mm] **52**

C [mm] **13,8**

Breaking load [kg] **4000**



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186011

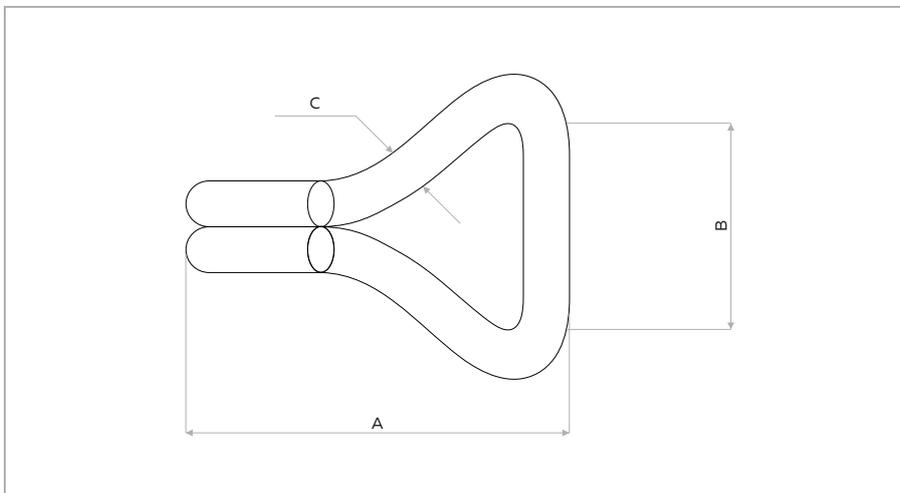
Model: swivel hook

A [mm] **110**

B [mm] **56**

C [mm] **13,8**

Breaking load [kg] **4000**



186000

Model: double „J“ - hook 5T

A [mm] **85**

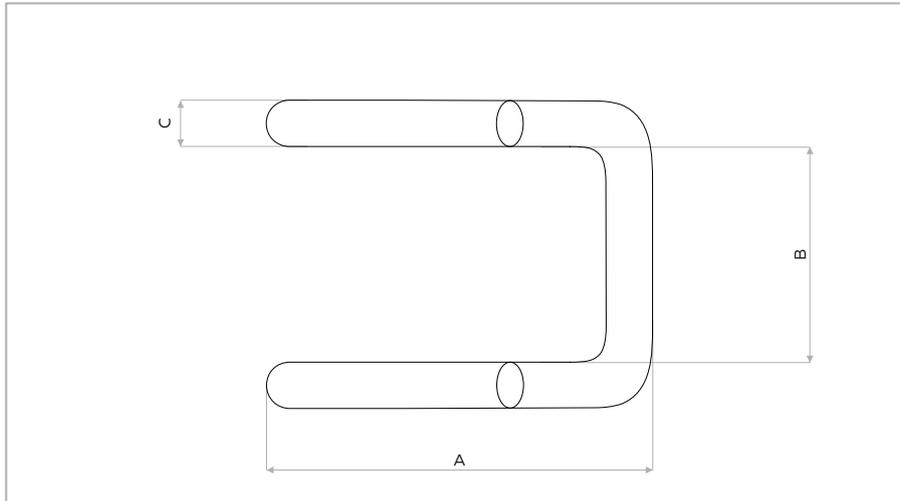
B [mm] **52**

C [mm] **12**

Breaking load [kg] **5000**



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186009

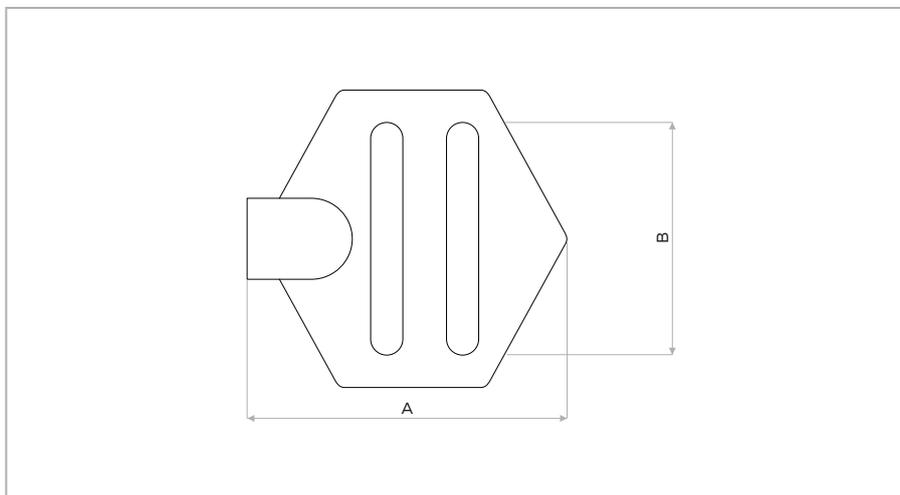
Model: "U" hook

A [mm] **120**

B [mm] **28**

C [mm] **10**

Breaking load [kg] **5000**



186002

Model: "KRONE" hook

A [mm] **80**

B [mm] **60**

C [mm] **7**

Breaking load [kg] **5000**



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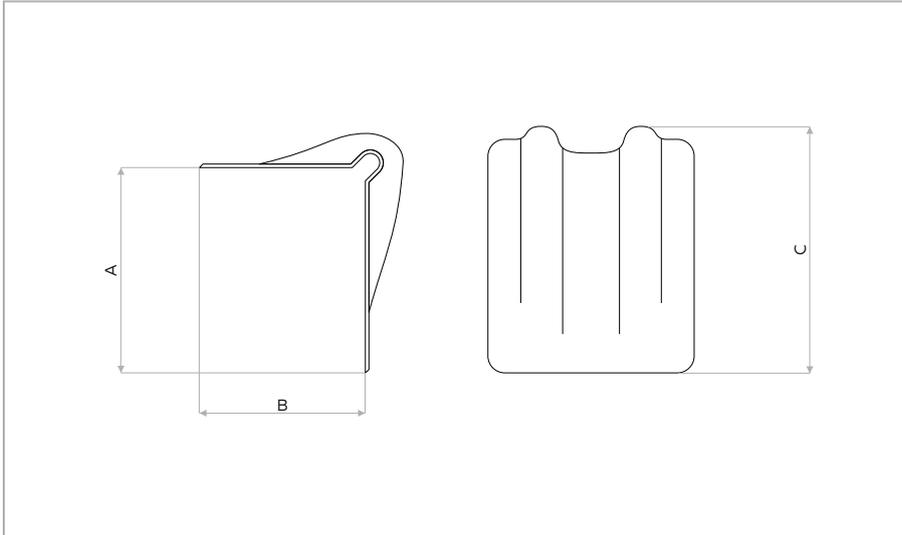
CORNER PROTECTORS

THE SIMPLE WAY TO SAFETY



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CORNER PROTECTORS



184004

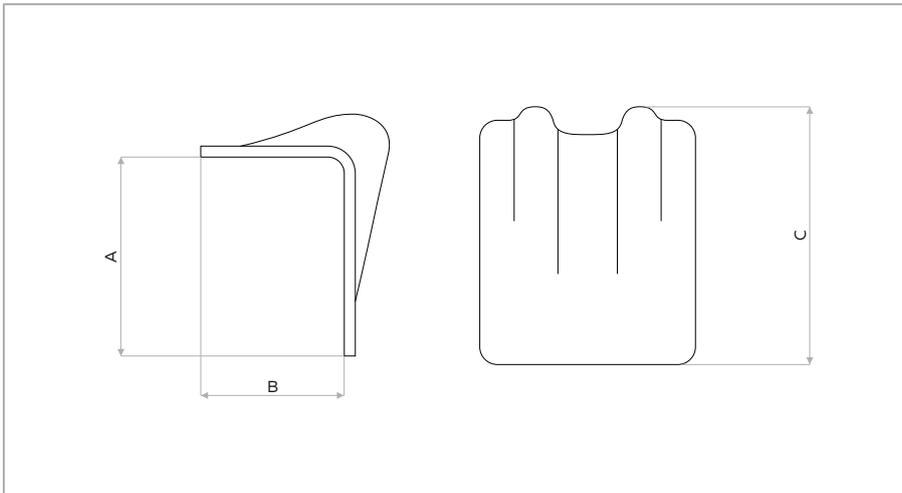
Model: edge protector, steel

A [mm] **100**

B [mm] **100**

C [mm] **106**

Material **steel**



184005

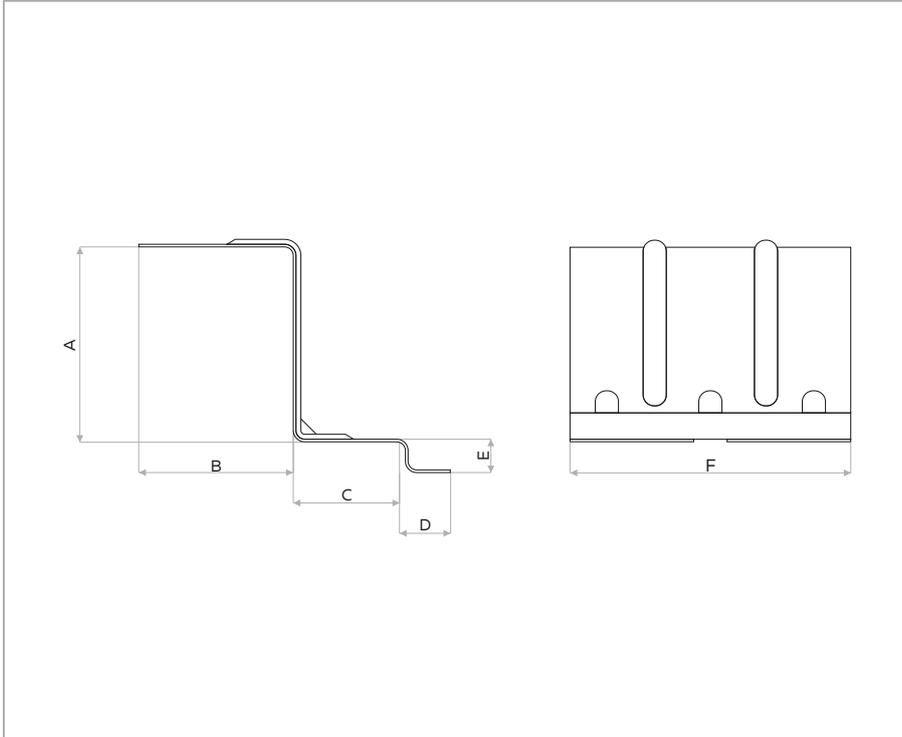
Model: edge protector, steel-rubber

A [mm] **87**

B [mm] **67**

C [mm] **95**

Material **steel-rubber**



184006

Model: edge protector for transport gypsum boards, steel

A [mm] **118**

B [mm] **118**

C [mm] **59**

D [mm] **23**

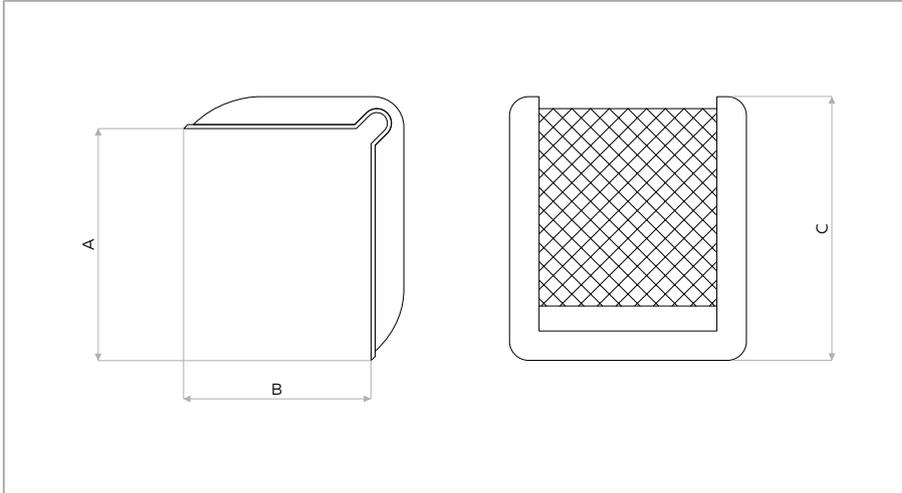
E [mm] **18**

F [mm] **200**

Material **steel**



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184002

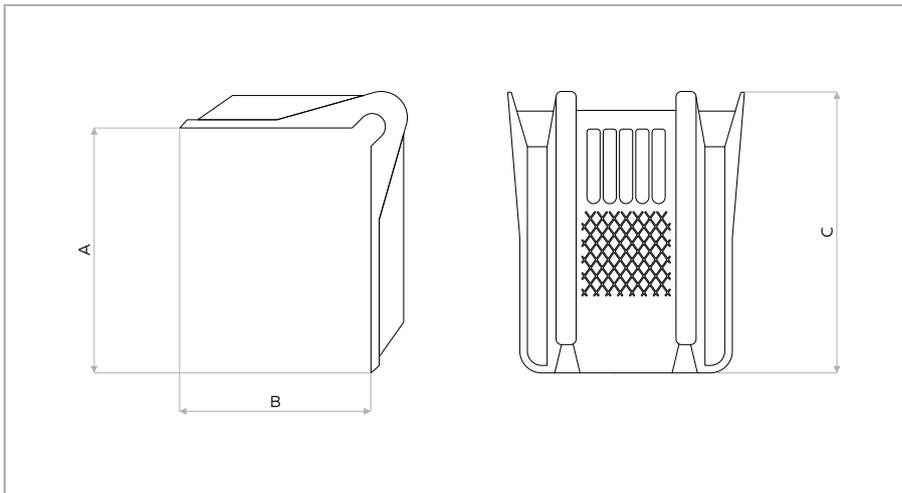
Model: edge protector 197x162,
black flexible

A [mm] **170**

B [mm] **135**

C [mm] **195**

Material **plastic**



184000

Model: edge protector 205x160,
black

A [mm] **172**

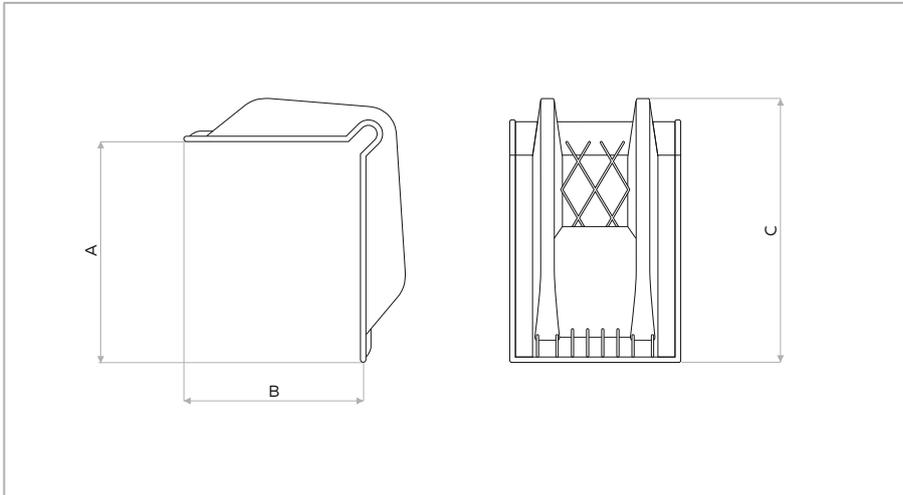
B [mm] **130**

C [mm] **195**

Material **plastic**



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184008

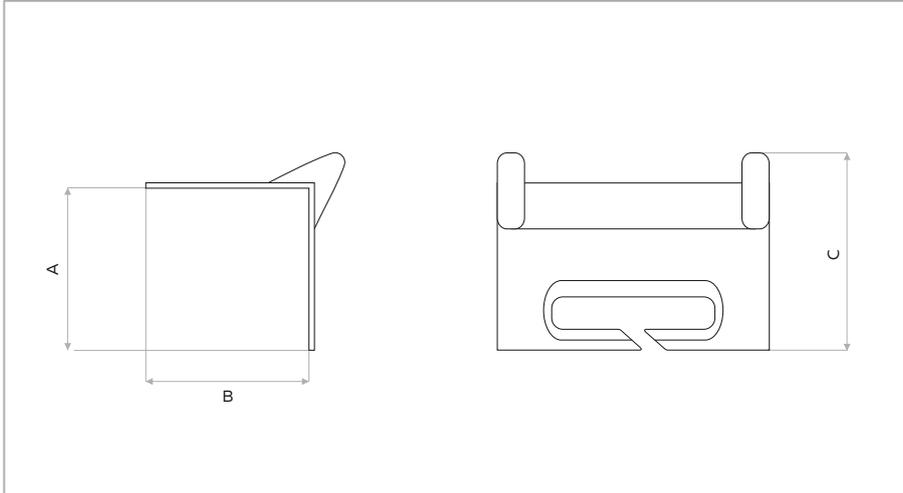
Model: edge protector 195x155
black

A [mm] **195**

B [mm] **155**

C [mm] **225**

Material **plastic**



184009

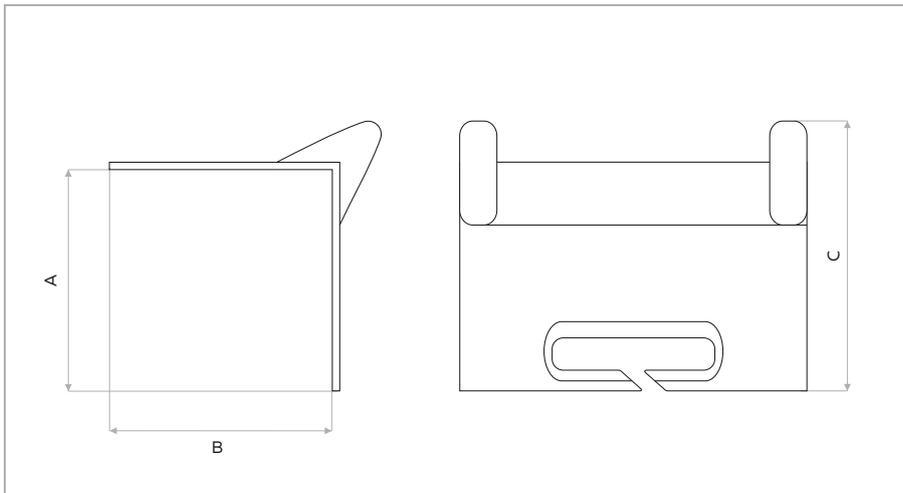
Model: edge protector 60x73,
white

A [mm] **60**

B [mm] **60**

C [mm] **73**

Material **plastic**



184010

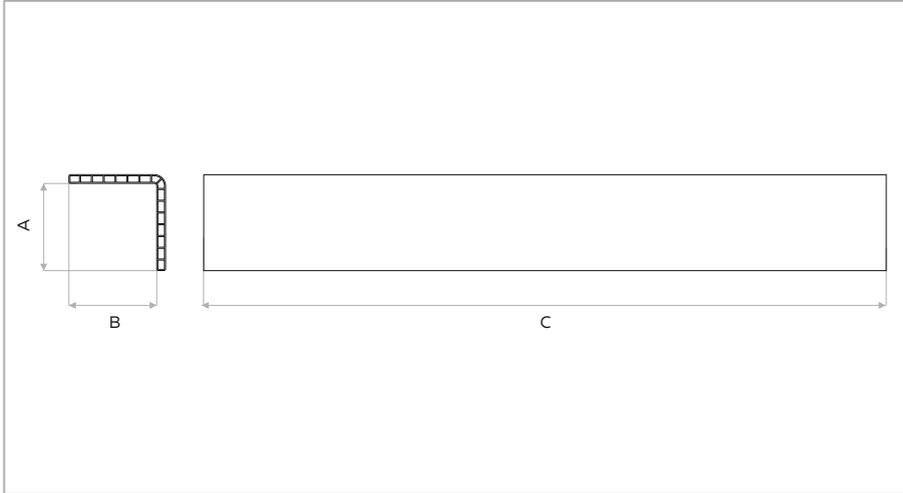
Model: edge protector 83x100,
white

A [mm] **83**

B [mm] **83**

C [mm] **100**

Material **plastic**



184007

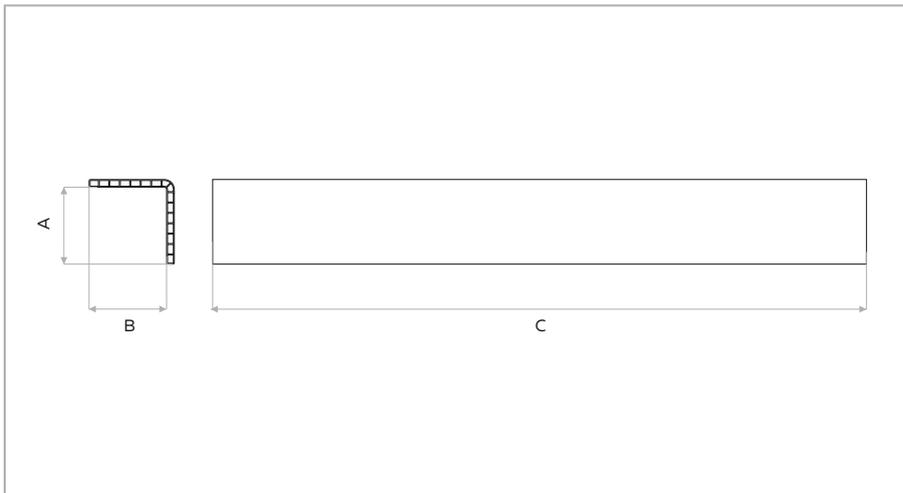
Model: edge protector 170x1200,
orange

A [mm] **170**

B [mm] **170**

C [mm] **1200**

Material **plastic**



184011

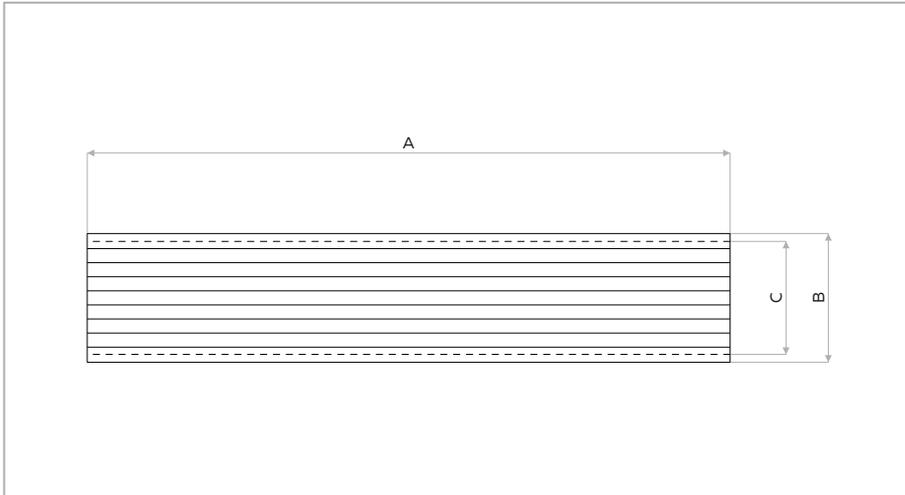
Model: edge protector 115x1150,
blue

A [mm] **115**

B [mm] **115**

C [mm] **1150**

Material **plastic**



182097

Model: protector 197x162, textile

A [mm] **197**

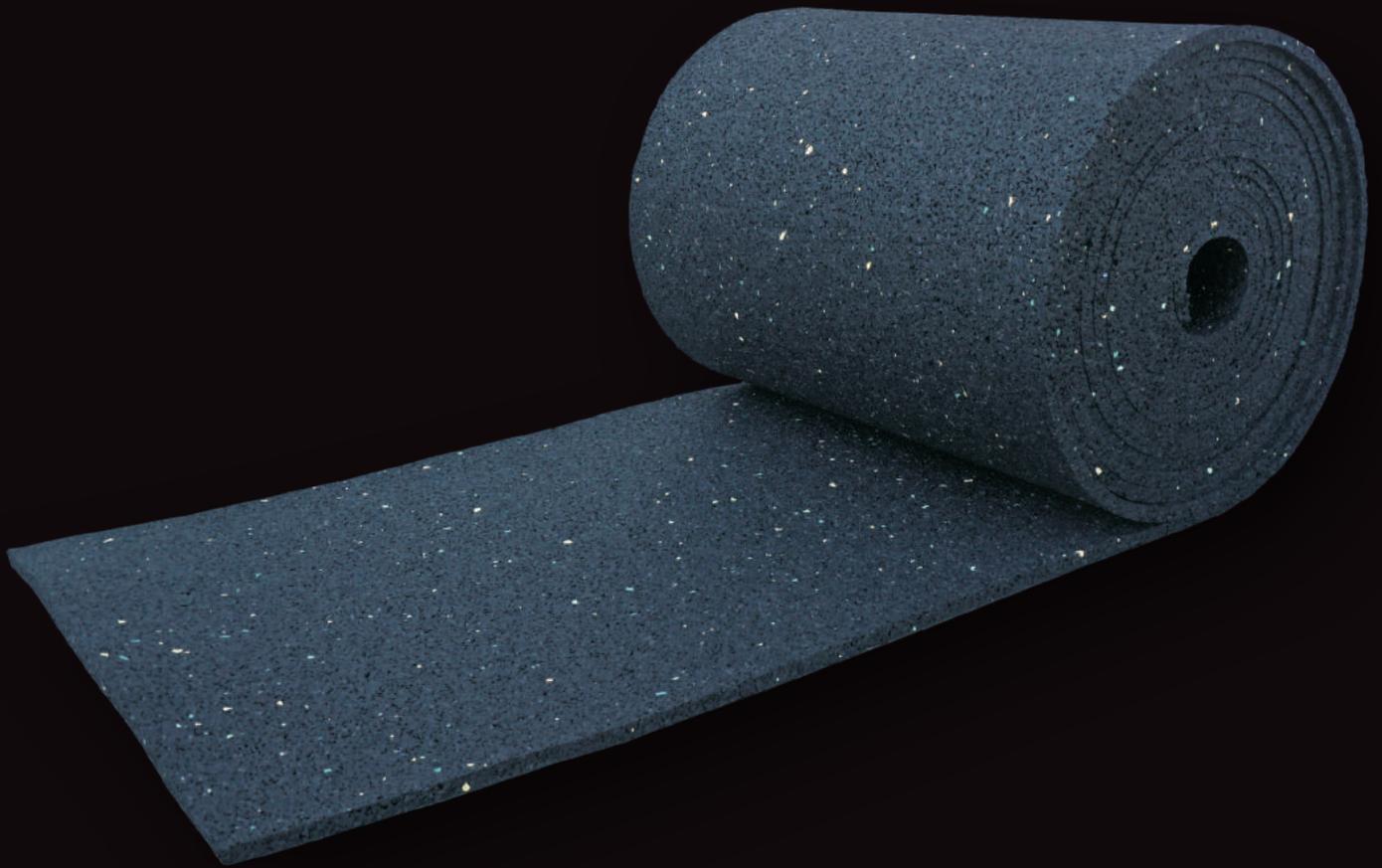
B [mm] **162**

C [mm] **70**

Material **textile**



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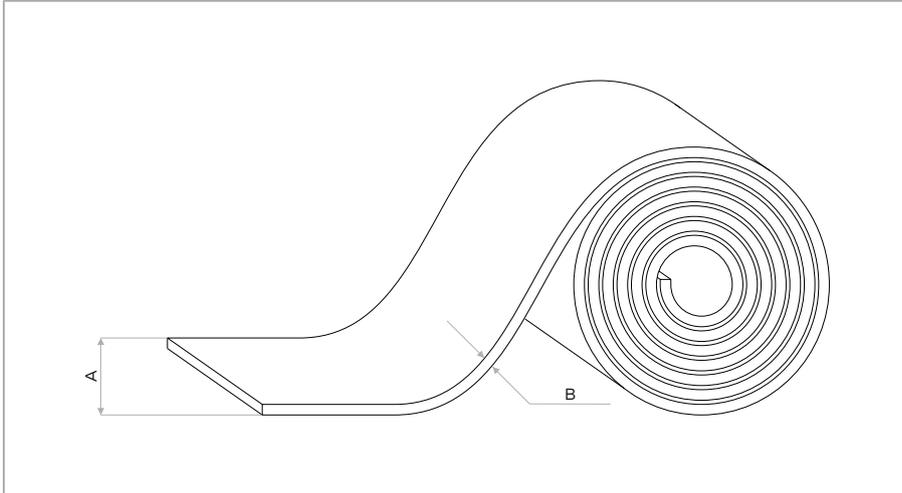
ANTI-SLIP PADS

THE SIMPLE WAY TO SAFETY



TEKSON®

ANTI-SLIP PADS



185001

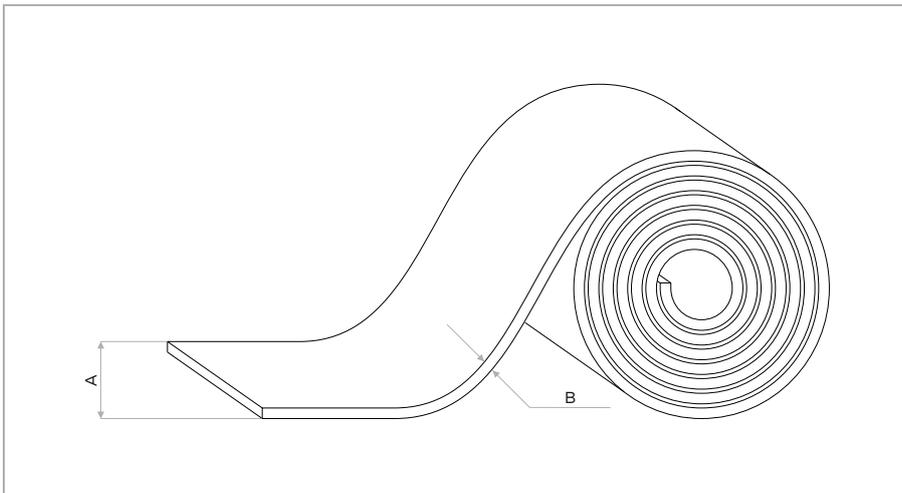
Model: anti-slip pad 6x250x5000

A [mm] **250**

B [mm] **6**

Lenght [mm] **5000**

Material **rubber**



185002

Model: anti-slip pad 8x250x5000

A [mm] **250**

B [mm] **8**

Lenght [mm] **5000**

Material **rubber**



TEKSON®



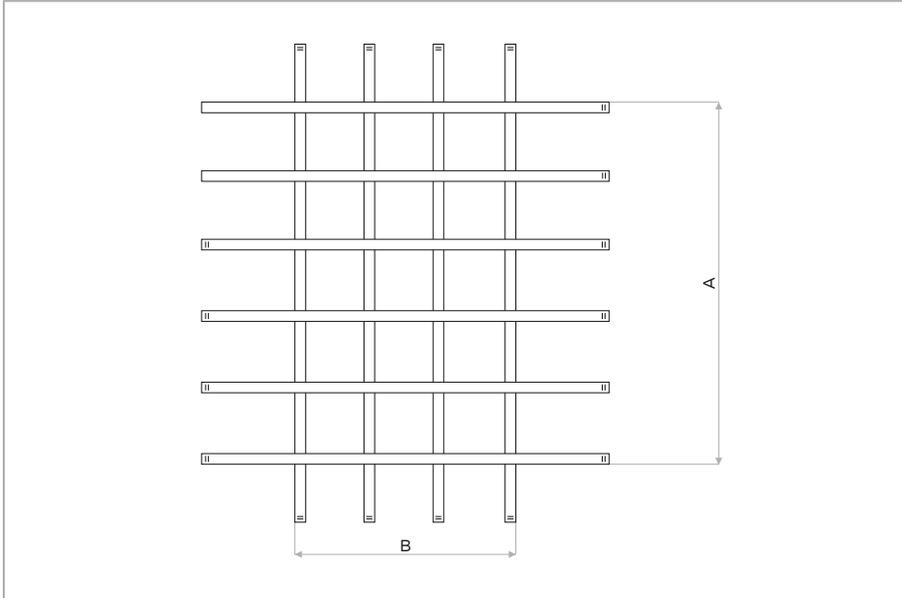
CARGO NETS

THE SIMPLE WAY TO SAFETY



TEKSON®

CARGO NETS



185003

Model: cargo net

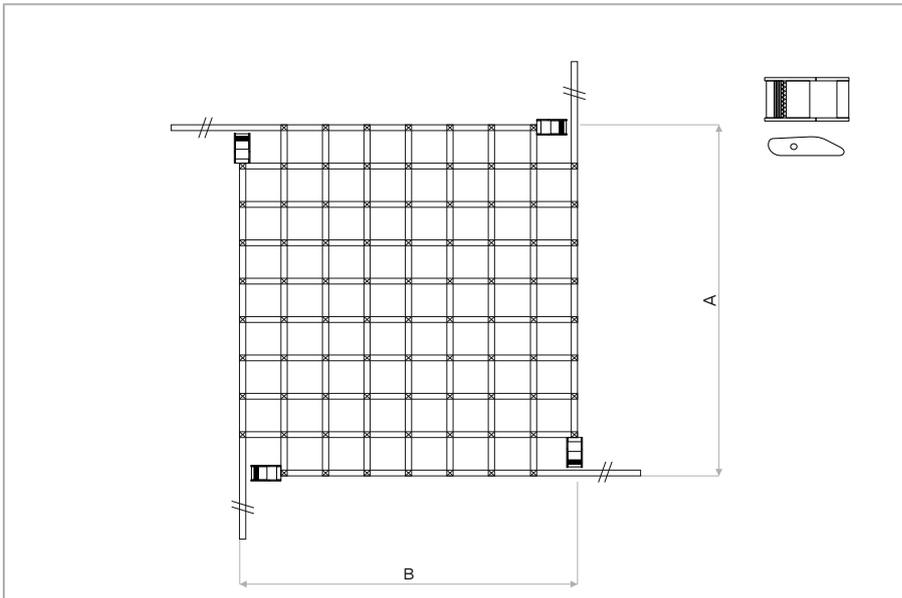
A [m] **1,3**

B [m] **0,9**

Webbing width [mm] **35**

LC [daN] **1000**

Color **orange**



185004

Model: cargo net

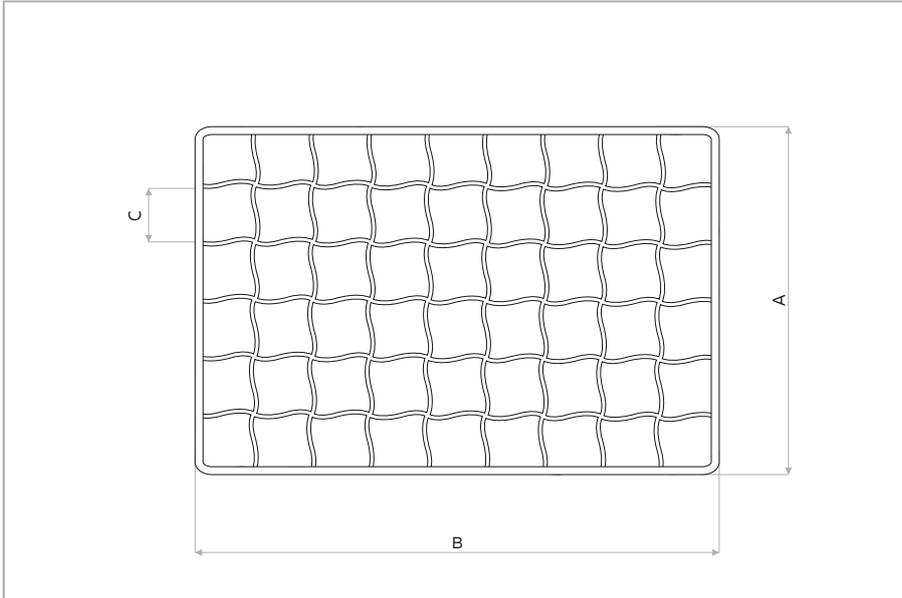
Lenght [m] **0,9**

Width [m] **0,9**

Webbing width [mm] **25**

LC [daN] **200**

Color **black**



185005

Model: cargo net

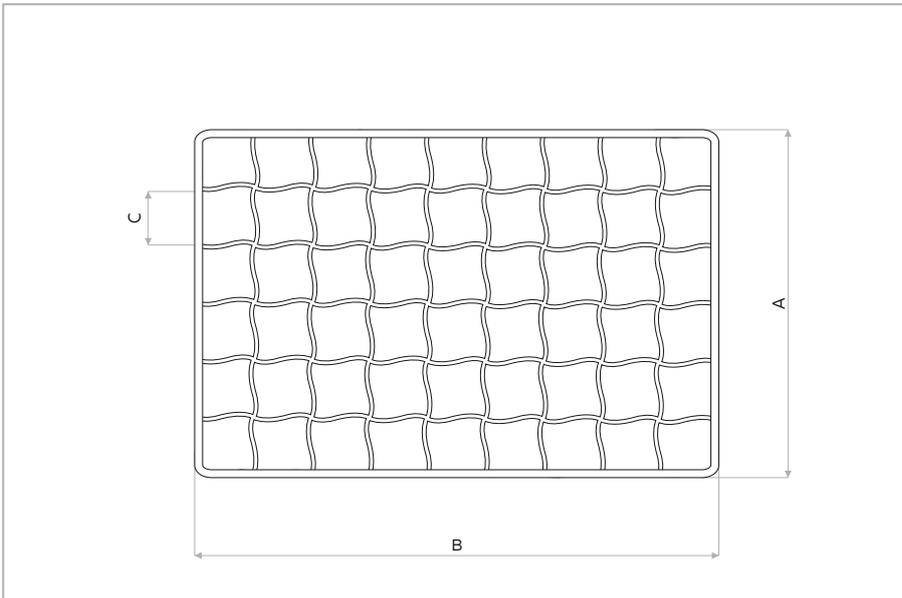
A [m] **1,5**

B [m] **2,7**

C [mm] **40**

Diameter [mm] **2,5/3**

Color **green**



185006

Model: cargo net

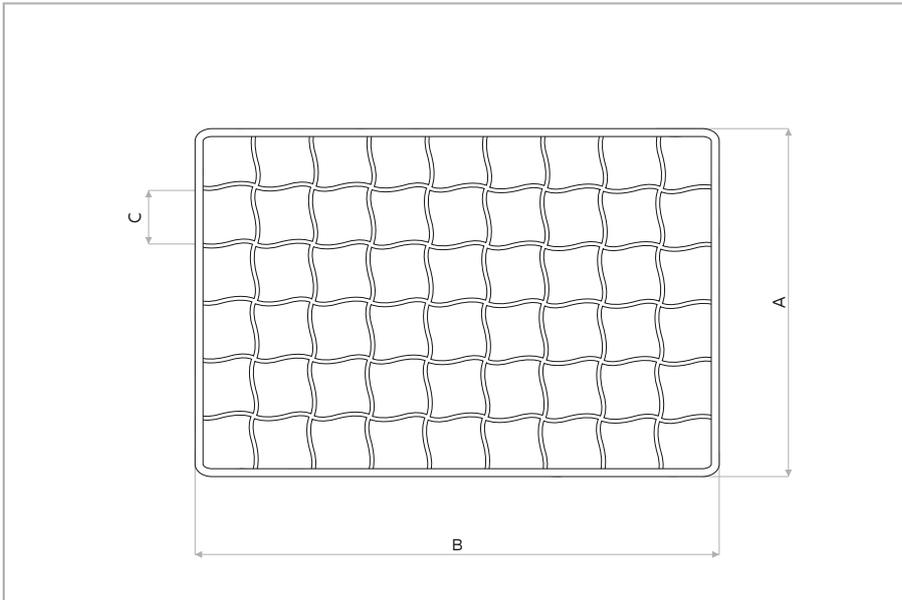
A [m] **2**

B [m] **3,5**

C [mm] **40**

Diameter [mm] **2,5/3**

Color **green**



185007

Model: cargo net

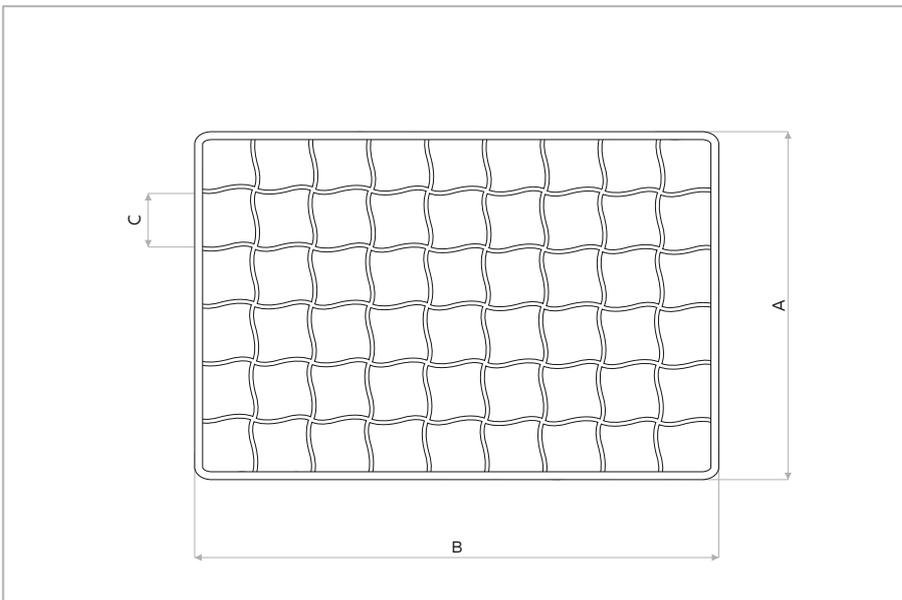
A [m] **2,5**

B [m] **4,0**

C [mm] **40**

Diameter [mm] **2,5/3**

Color **green**



185008

Model: cargo net

A [m] **3,5**

B [m] **6,0**

C [mm] **40**

Diameter [mm] **2,5/3**

Color **green**



TEKSON®



WEBBING SLINGS

THE SIMPLE WAY TO SAFETY



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WEBBING SLINGS



TEKSON®



Webbing slings are produced according with EN1492-2 which is confirmed by certificate TUV SUD.

THE LABEL ACCORDING TO EN 292-2:1991 STANDARD

1.

2. **TEKSON®**

3. WLL 1 T
Length: 1m

4. **CE**

 2 T	 0,8 T
0° to 45° 1,4 T	45° to 60° 1 T

5. **EN 1492-2**

6.

7. **TEKSON No 189000/1**

8. Production date: 2020 **PES**

9. Technical review

2021	2022	2023	2024
------	------	------	------

10.

11.

- 1. Information about producer or supplier, trademark or another clear identification.

- 2. **WORKING LOAD LIMIT**
Maximum weight that the sling is allowed to carry on regular use.

- 3. The length of webbing sling.

- 4. **EUROPEAN CONFORMITY**
The product is one of the controlled products categories cannot legally be sold in UE unless it has passed the tests to receive the CE marking.

- 5. **SLINGING MODE**
Factor applied to the WLL of 1 leg sling by taking into account the geometry of the slinging (number and angles of the legs) and the consequence of bending some components. The mode of slinging and the angle of use modify the using load of the sling.

- 6. The number of norm, according which webbing slings has been made.

- 7. TUV and GS trademark, which confirms compliance with the EN standards.

- 8. The identity code.

- 9. The production date.

- 10. PES – polyester webbing tape.

- 11. The control table.



TABLE OF WORKING LOAD LIMITS (WLL)

lifting method WLL			SWL IN KG WITH ONE WEBBING SLING					SWL IN KG WITH TWO WEBBINGS			
			straight	choke	basket, inclination angle			angle of inclination			
					up to =7°	up to =7°-45°	from-to =45°-60°	straight up to =45°	choke up to =45°	straight from-to =45°-60°	choke from-to =45°-60°
											
Model	Factor		1,0	0,8	2,0	1,4	1,0	1,4	1,12	1,0	0,8
189000	1000 kg	violet	1000	800	2000	1400	1000	1400	1120	1000	800
189001	2000 kg	green	2000	1600	4000	2800	2000	2800	2240	2000	1600
189002	3000 kg	yellow	3000	2400	6000	4200	3000	4200	3360	3000	2400
189003	4000 kg	grey	4000	3200	8000	5600	4000	5600	4480	4000	3200
189004	5000 kg	red	5000	4000	10000	7000	5000	7000	5600	5000	4000
189005	6000 kg	brown	6000	4800	12000	8400	6000	8400	6720	6000	4800
189006	8000 kg	blue	8000	6400	16000	11200	8000	11200	8960	8000	6400
189007	10000 kg	orange	10000	8000	20000	14000	10000	14000	11200	10000	8000

Working Load Limit (WLL)

Maximum weight that the sling is allowed to carry on regular use.

1T to 10T : in order to identify load capacity slings are produced in specified colours in accordance with EN1492-2.

Safety factor:

it's minimal value must be at least equal to 7 :1 for webbing and round slings

Breaking strength:

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

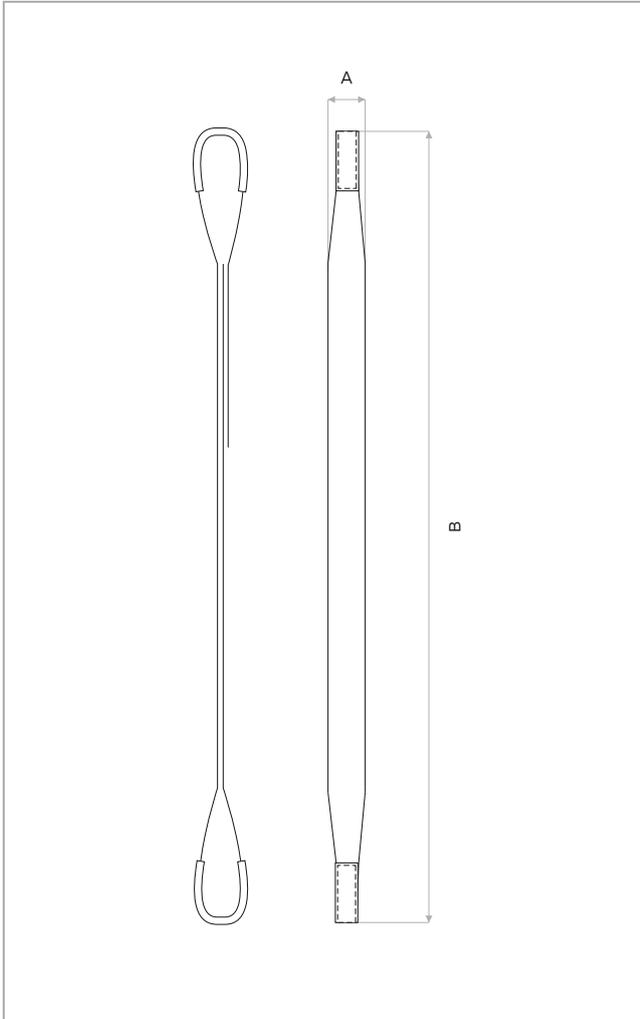
Slinging mode:

Factor applied to the WLL of 1 leg sling by taking into account the geometry of the slinging (number and angles of the legs) and the consequence of bending some components. The mode of slinging and the angle of use modifie the using load of the sling.

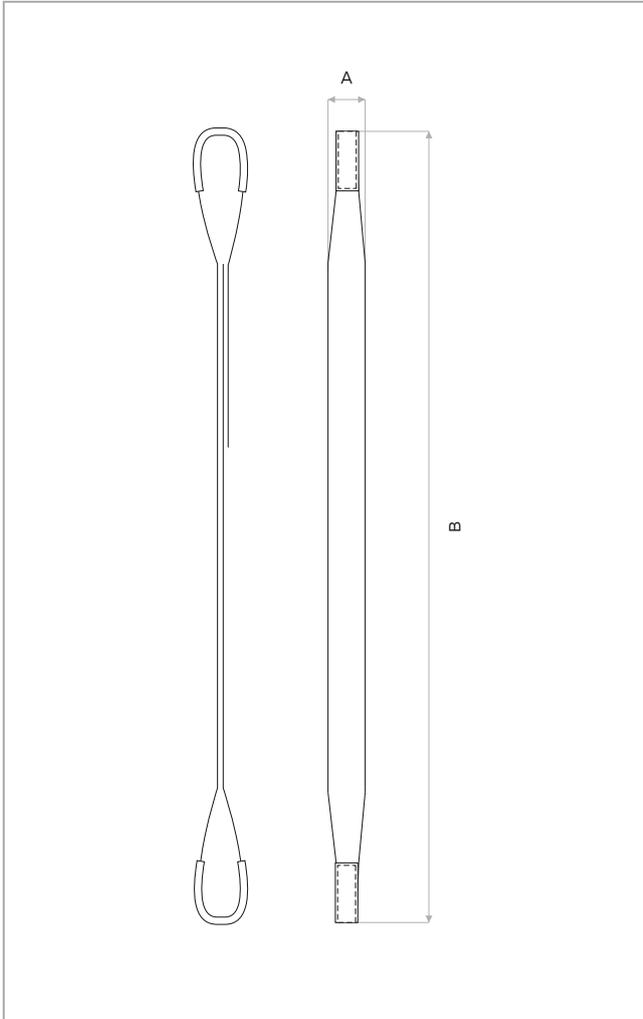


189000

Model: webbing sling 1 t, violet



B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
1	30	189000/1
2	30	189000/2
3	30	189000/3
4	30	189000/4
5	30	189000/5
6	30	189000/6



189001

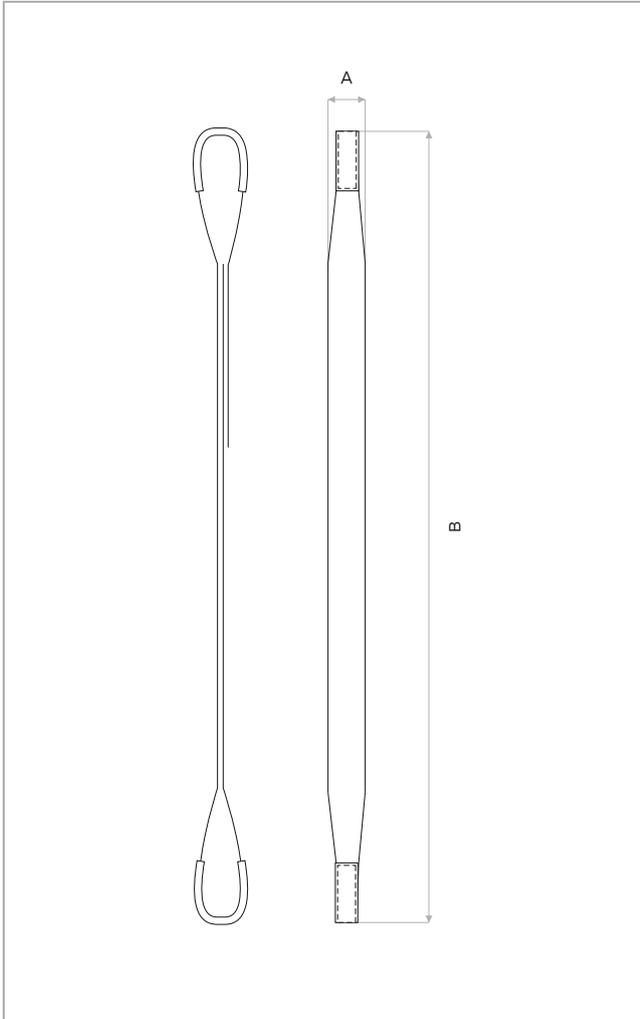
Model: webbing sling 2 t, green

B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
1	60	189001/1
2	60	189001/2
3	60	189001/3
4	60	189001/4
5	60	189001/5
6	60	189001/6

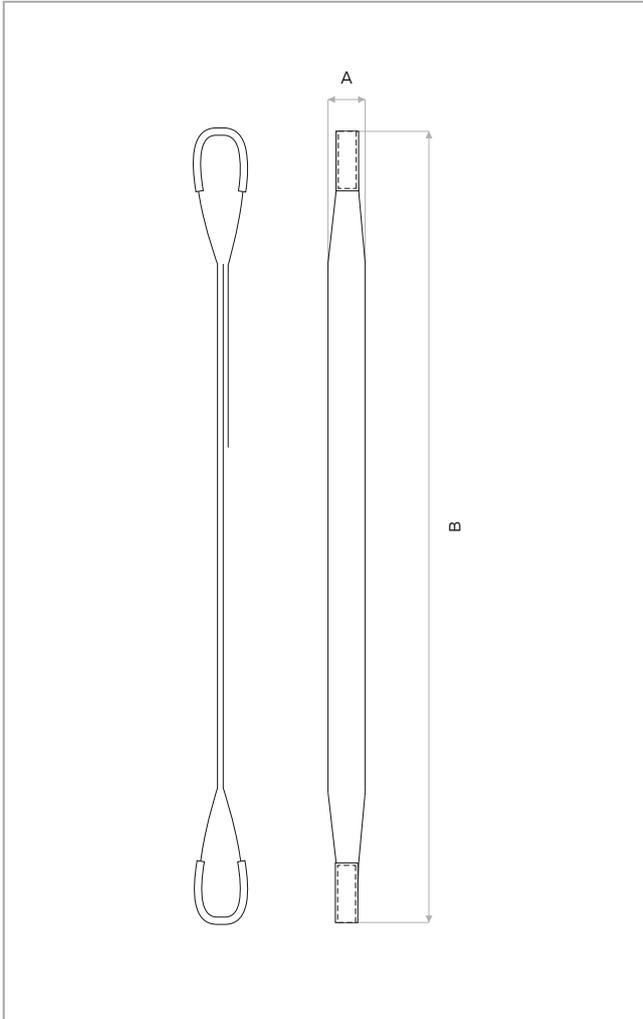


189002

Model: webbing sling 3 t, yellow



B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
1	90	189002/1
2	90	189002/2
3	90	189002/3
4	90	189002/4
5	90	189002/5
6	90	189002/6



189003

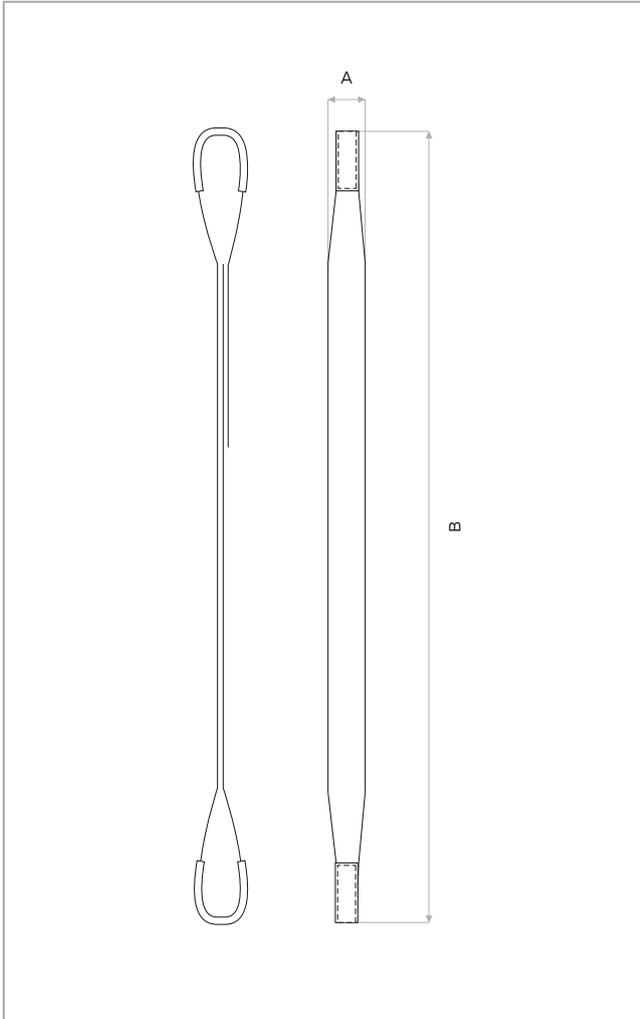
Model: webbing sling 4 t, grey

B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
2	120	189003/2
3	120	189003/3
4	120	189003/4
5	120	189003/5
6	120	189003/6

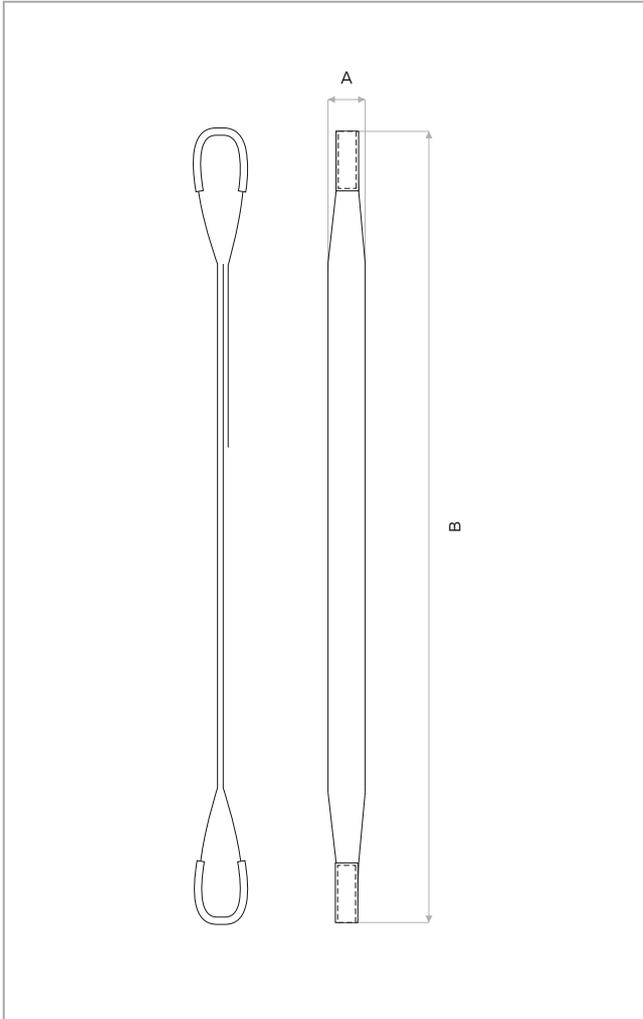


189004

Model: webbing sling 5 t, red



B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
2	150	189004/2
3	150	189004/3
4	150	189004/4
5	150	189004/5
6	150	189004/6



189005

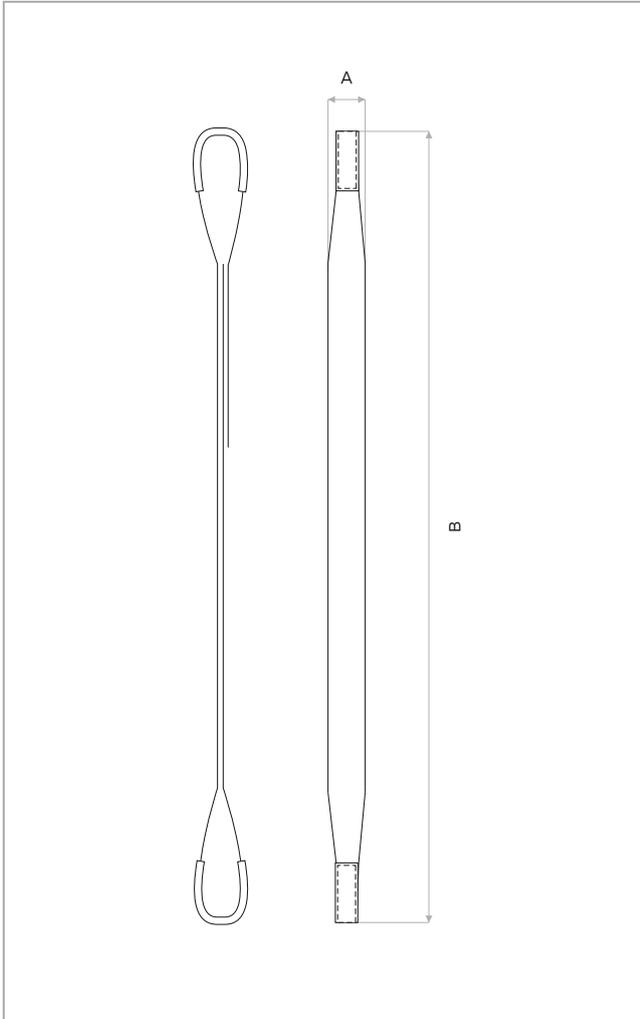
Model: webbing sling 6 t, brown

B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
1	180	189005/1
2	180	189005/2
3	180	189005/3
4	180	189005/4
5	180	189005/5
6	180	189005/6

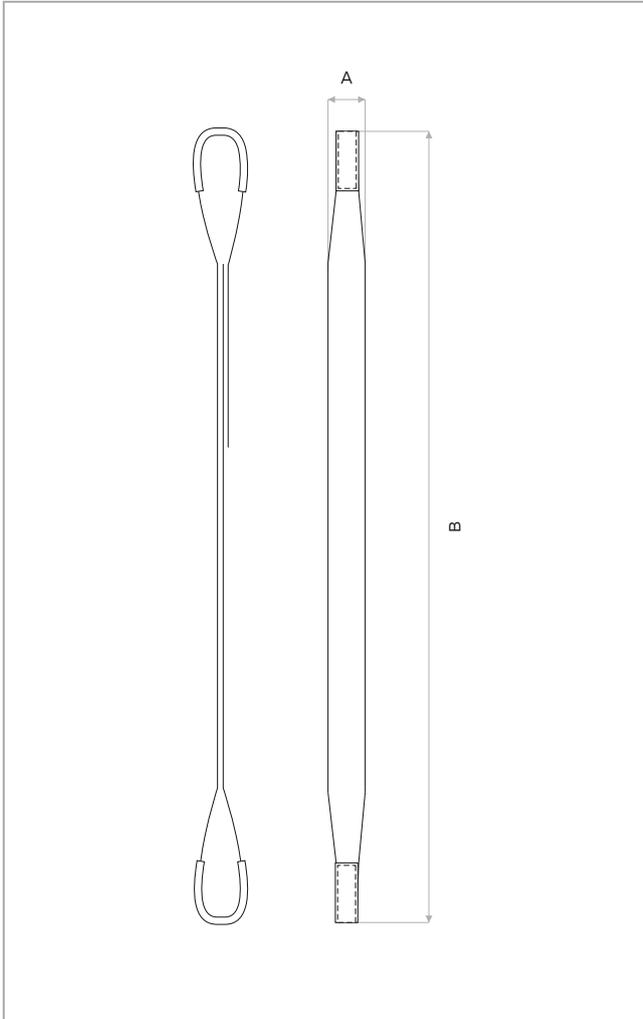


189006

Model: webbing sling 8 t, blue



B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
1	240	189006/1
2	240	189006/2
3	240	189006/3
4	240	189006/4
5	240	189006/5
6	240	189006/6



189007

Model: webbing sling 10 t, orange

B - LENGHT L (m)	A - WIDTH (mm)	Tekson code
1	300	189007/1
2	300	189007/2
3	300	189007/3
4	300	189007/4
5	300	189007/5
6	300	189007/6



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CARGO PLANKS

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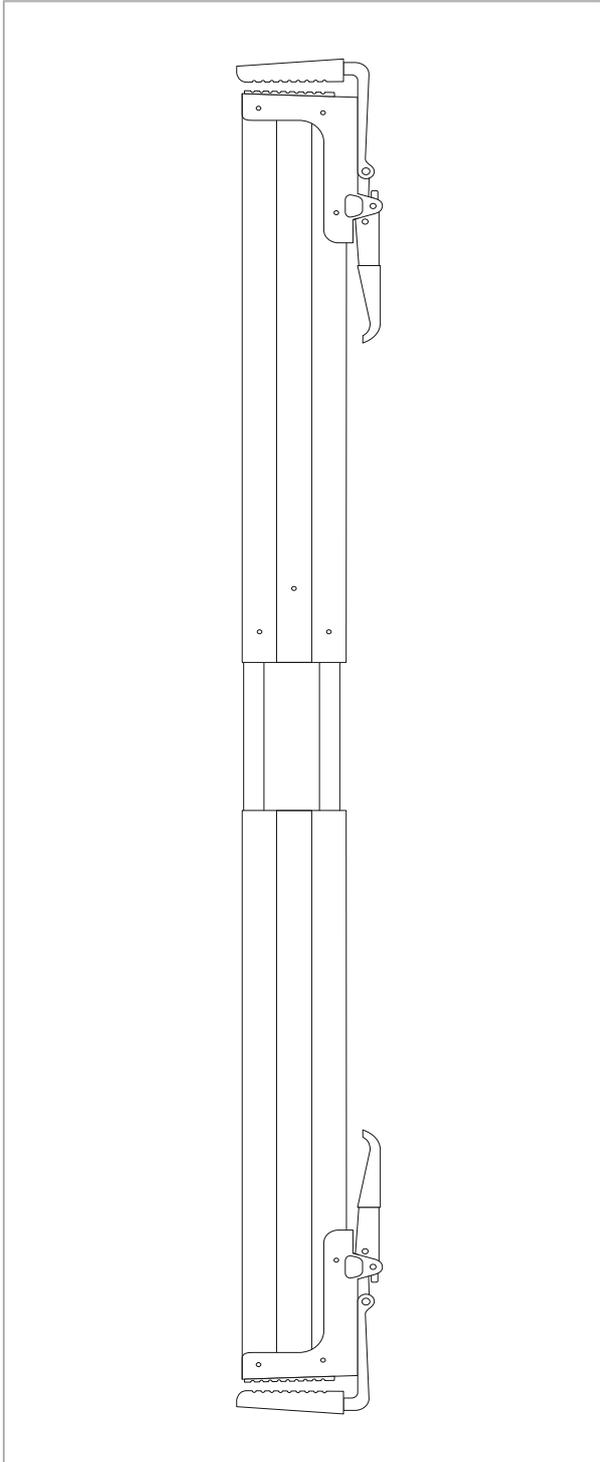


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DEKRA

CARGO PLANKS



183006

Model: aluminium cargo plank 7,24 kg

Lenght min. [mm] **2400**

Lenght max. [mm] **2700**

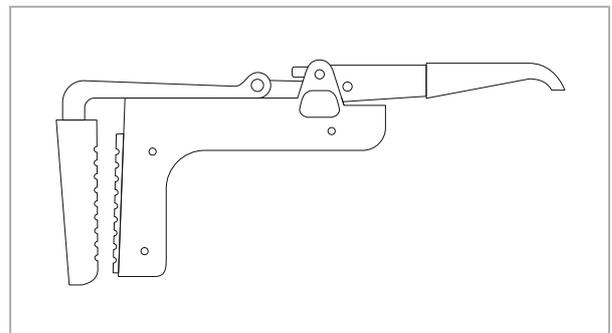
Width [mm] **120**

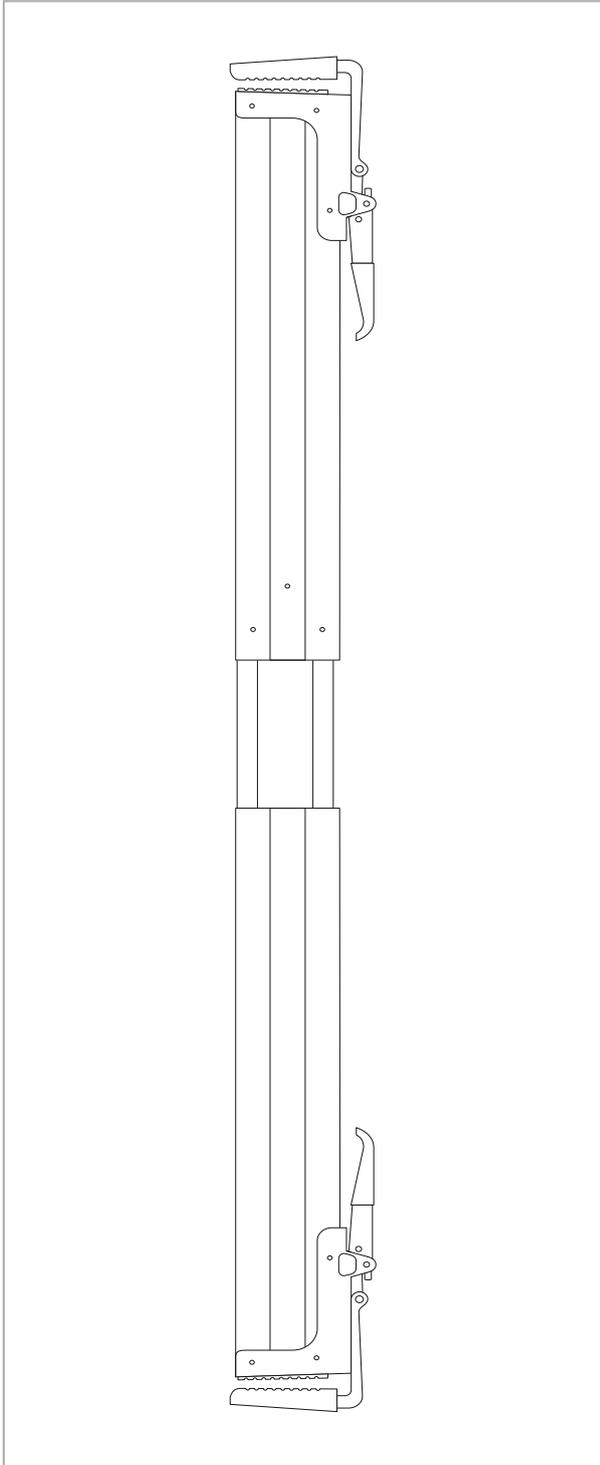
Height [mm] **30**

Weight [kg] **7,24**

Material **aluminium**

Handle **183002**





183000

Model: aluminium cargo plank 8 kg

Lenght min. [mm] **2400**

Lenght max. [mm] **2700**

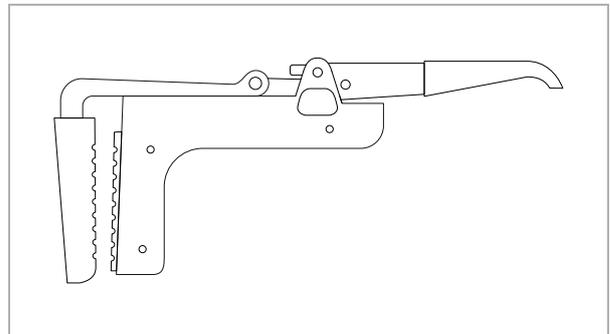
Width [mm] **120**

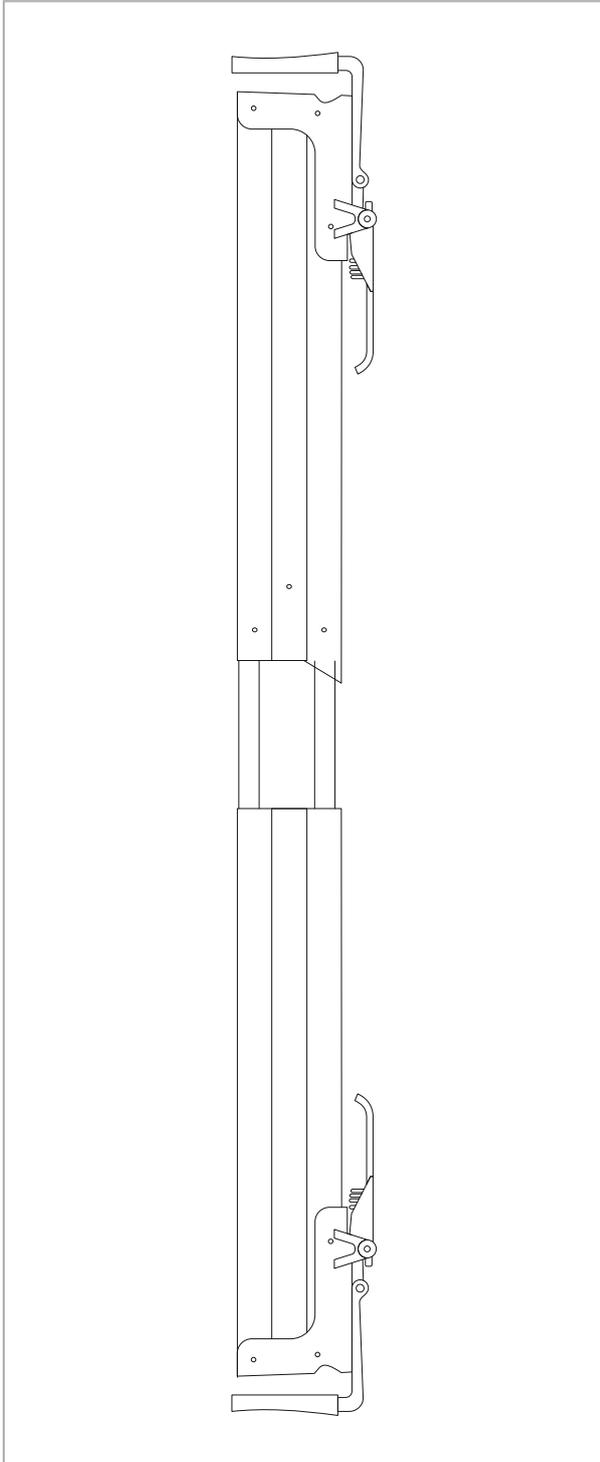
Height [mm] **30**

Weight [kg] **8**

Material **aluminium**

Handle **183002**





183001

Model: aluminium cargo plank 9,6 kg

Lenght min. [mm] **2400**

Lenght max. [mm] **2700**

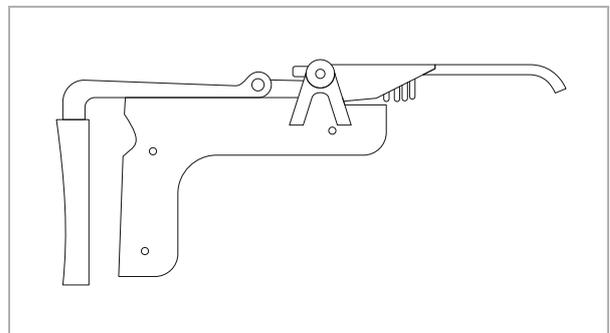
Width [mm] **120**

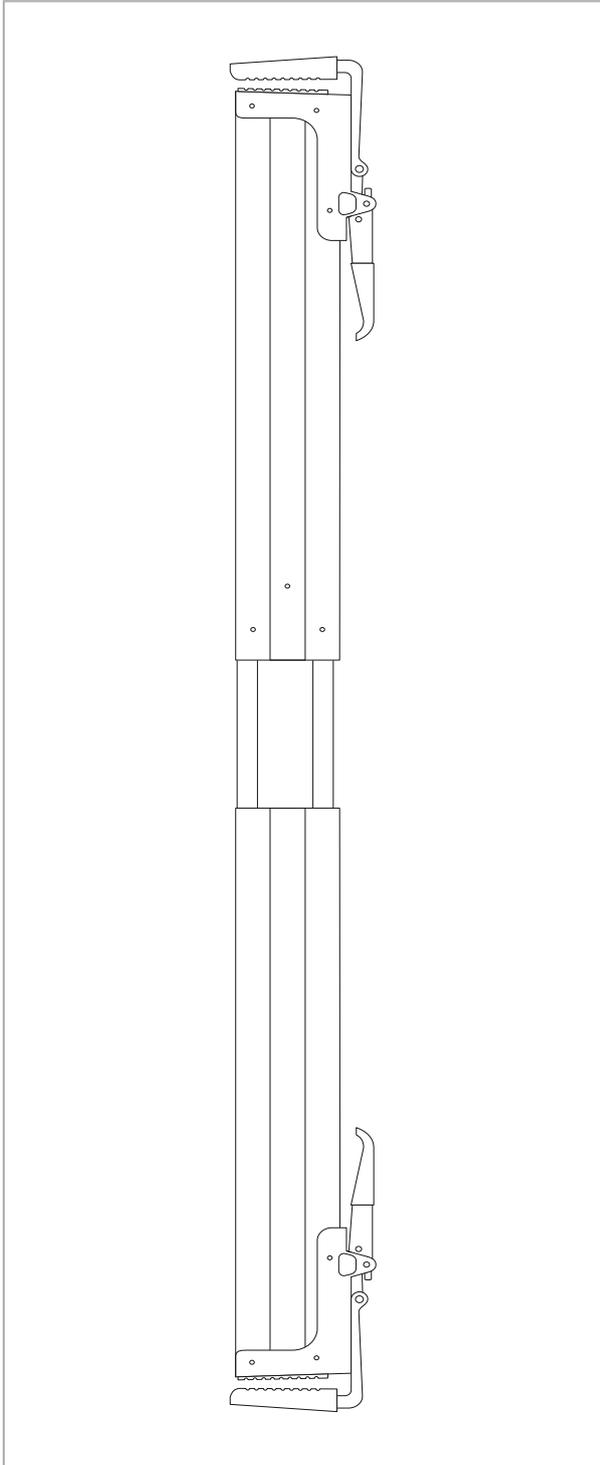
Height [mm] **30**

Weight [kg] **9,6**

Material **aluminium**

Handle **183003**





183004

Model: aluminium cargo plank 6,9 kg

Lenght min. [mm] **2100**

Lenght max. [mm] **2400**

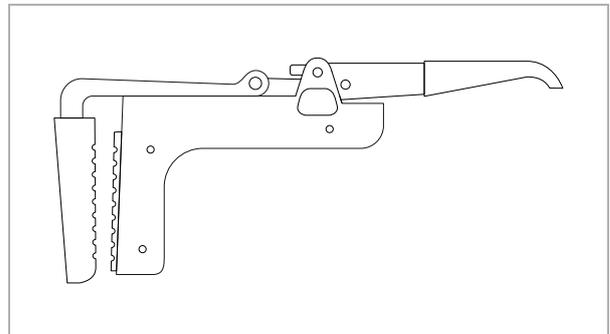
Width [mm] **120**

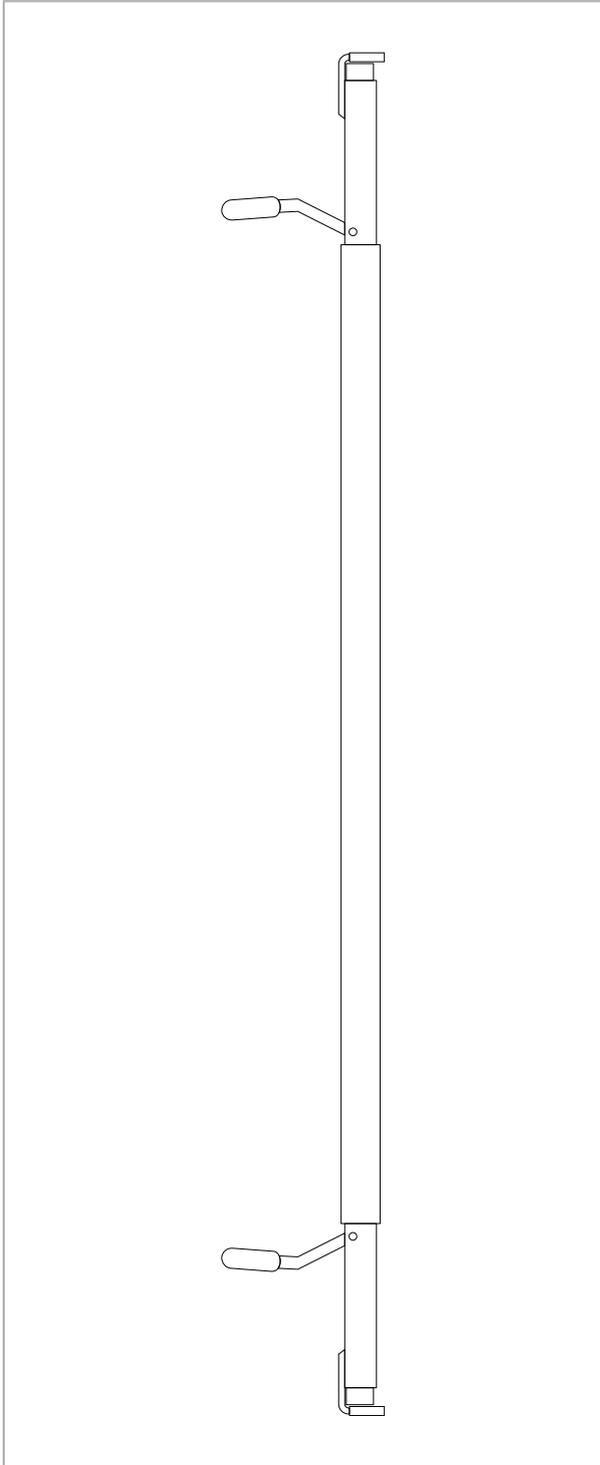
Height [mm] **30**

Weight [kg] **6,9**

Material **aluminium**

Handle **183002**





183005

Model: steel cargo plank

Lenght min. [mm] **1960**

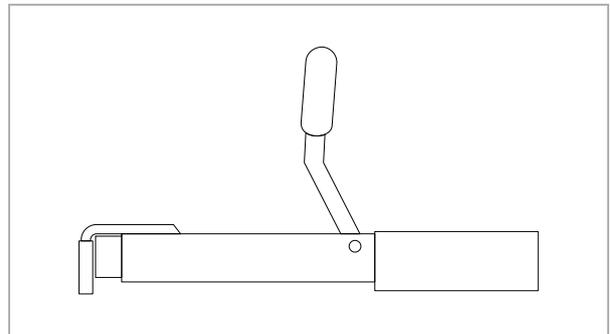
Lenght max. [mm] **2910**

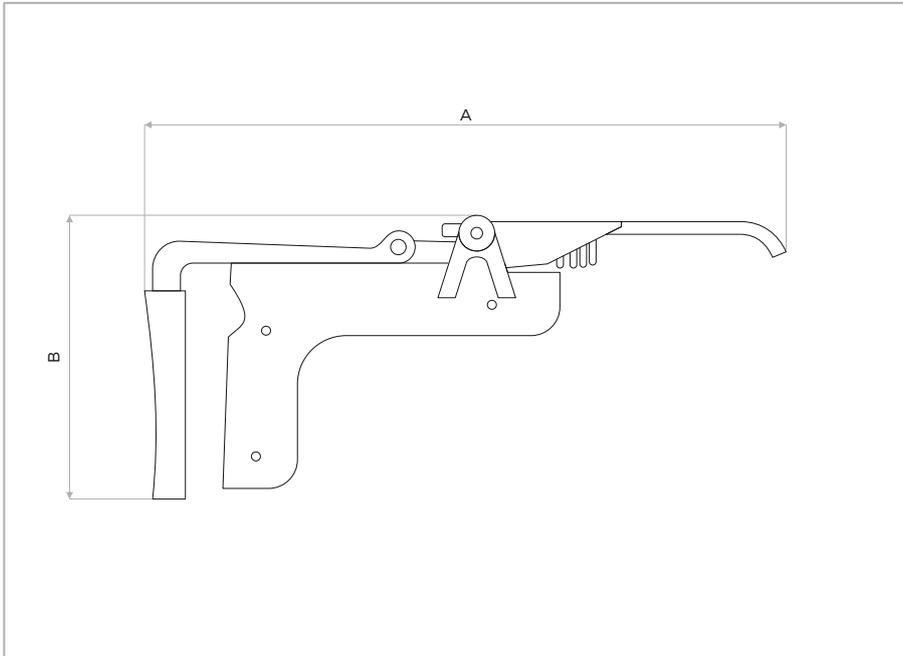
Width [mm] **40**

Height [mm] **40**

Weight [kg] **6,9**

Material **steel**





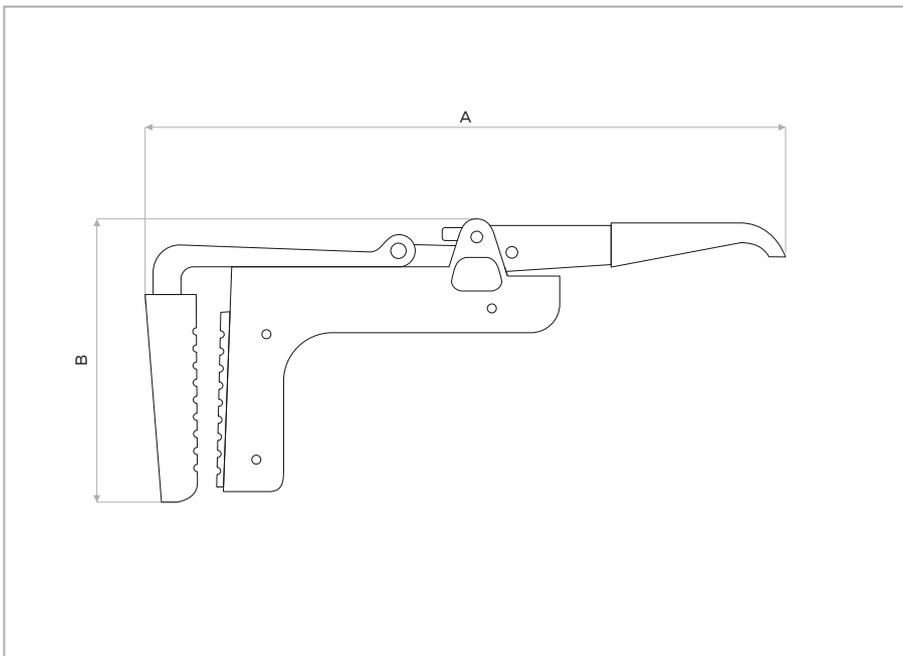
183095

Model: cargo lock plank accessories

A [mm] **350**

B [mm] **150**

Weight [kg] **2,6**



183096

Model: cargo lock plank accessories

A [mm] **350**

B [mm] **165**

Weight [kg] **1,75**



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CARGO BARS

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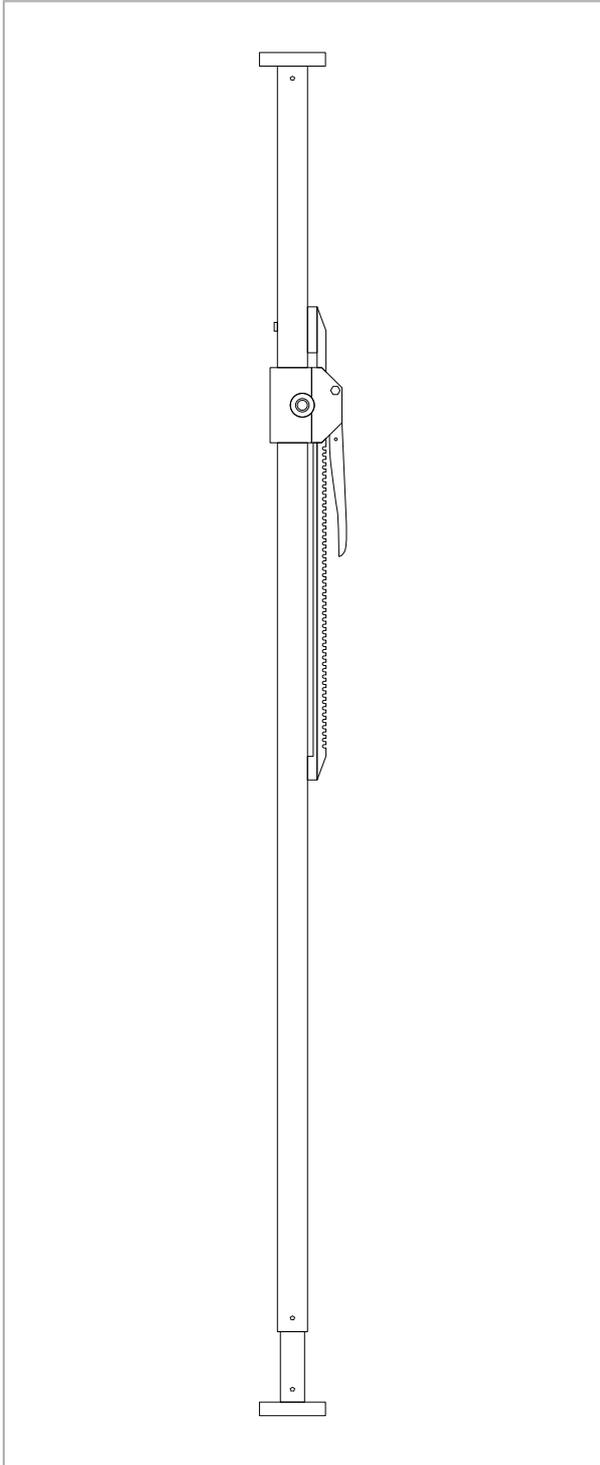


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DEKRA

CARGO BARS



183020

Model: steel cargo bar with spring (Ø38)

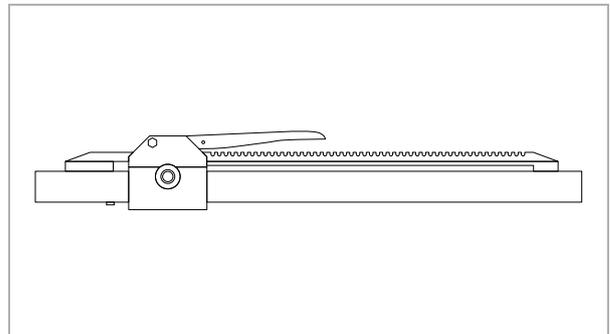
Lenght min. [mm] **2350**

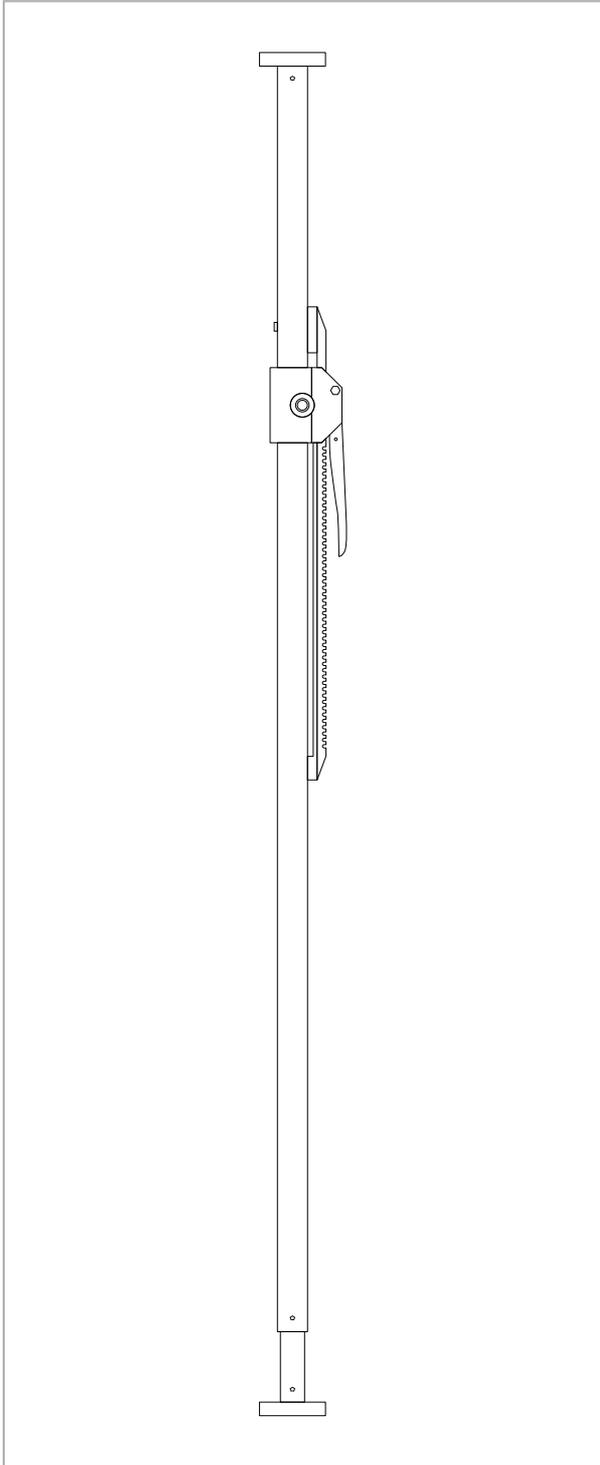
Lenght max. [mm] **2720**

Diameter [mm] **38**

Weight [kg] **5,5**

Material **steel**





183021

Model: steel cargo bar with spring (Ø42)

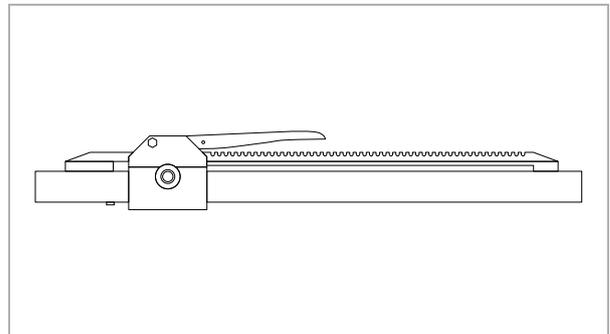
Lenght min. [mm] **2350**

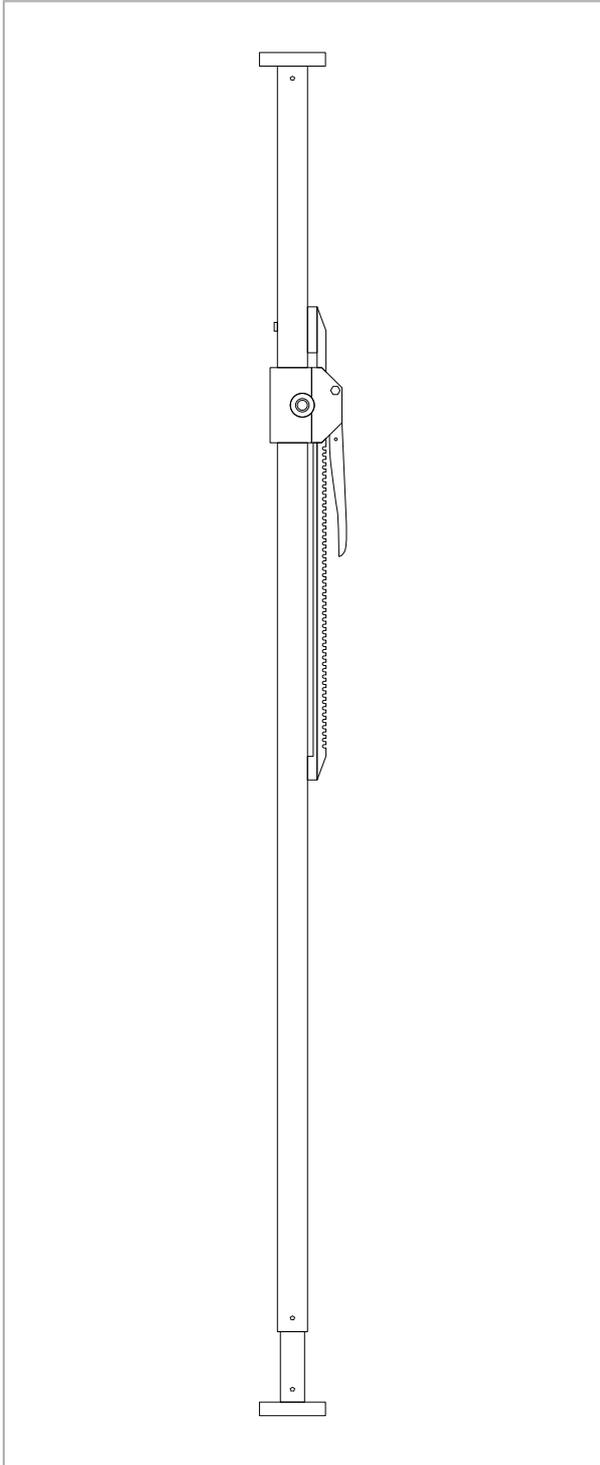
Lenght max. [mm] **2720**

Diameter [mm] **42**

Weight [kg] **6**

Material **steel**





183011

Model: aluminium cargo bar with spring (Ø38)

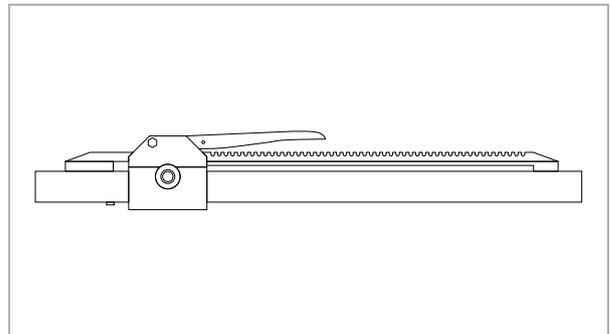
Lenght min. [mm] **2350**

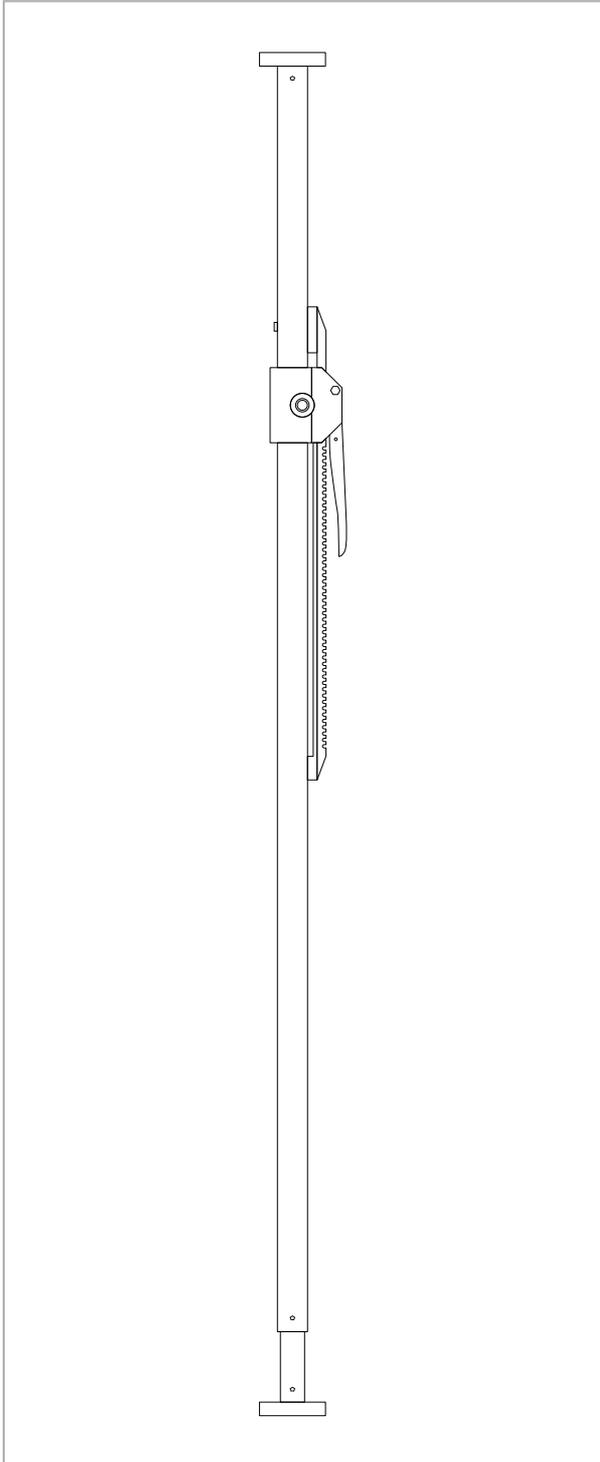
Lenght max. [mm] **2720**

Diameter [mm] **38**

Weight [kg] **4,5**

Material **aluminium**





183010

Model: aluminium cargo bar with spring (Ø42)

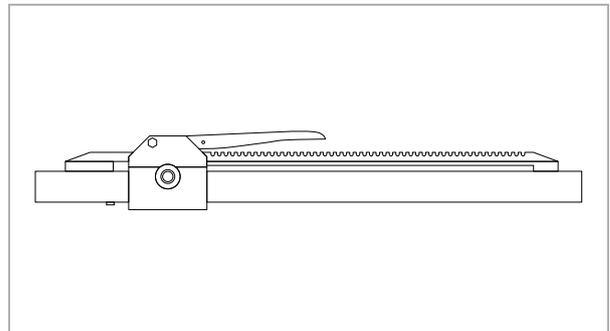
Lenght min. [mm] **2350**

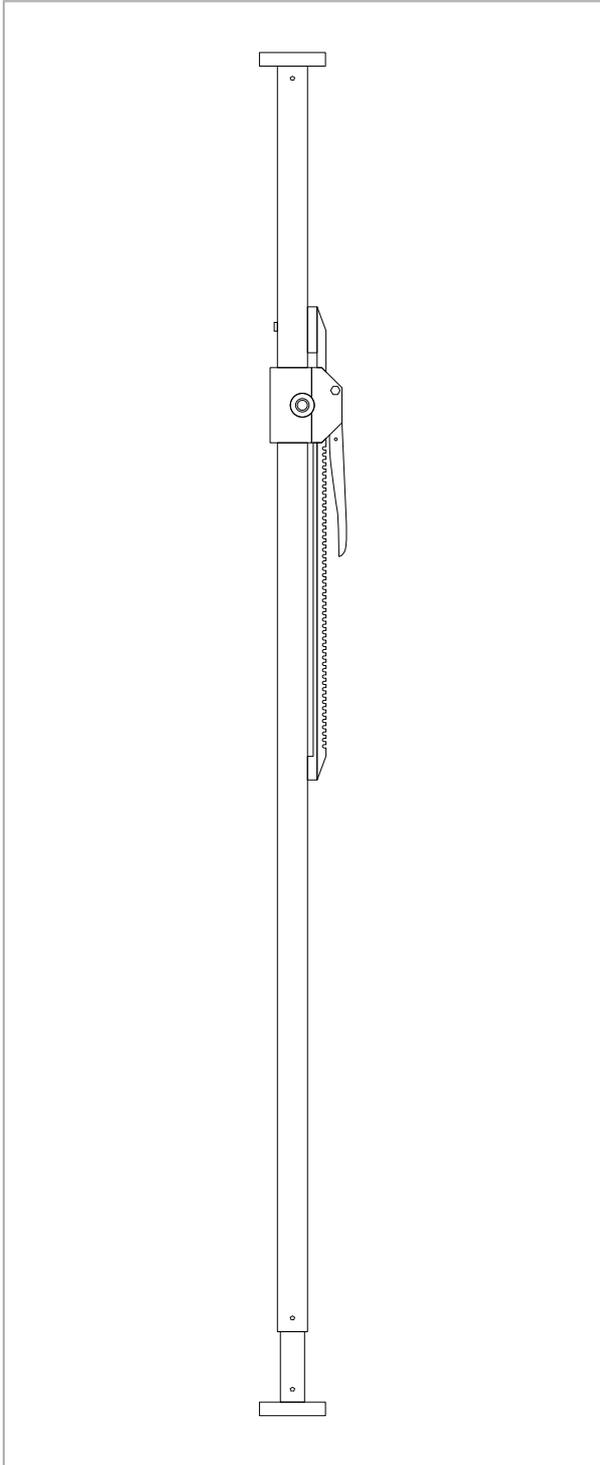
Lenght max. [mm] **2720**

Diameter [mm] **42**

Weight [kg] **5**

Material **aluminium**





183012

Model: aluminium cargo bar with spring (Ø42)

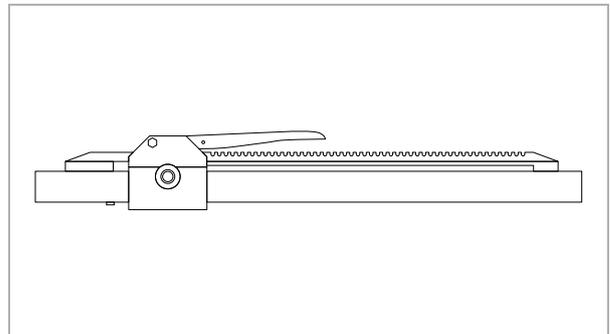
Lenght min. [mm] **2565**

Lenght max. [mm] **2935**

Diameter [mm] **42**

Weight [kg] **5,1**

Material **aluminium**





183030

Model: steel cargo bar /square/ with spring

Lenght min. [mm] **1880**

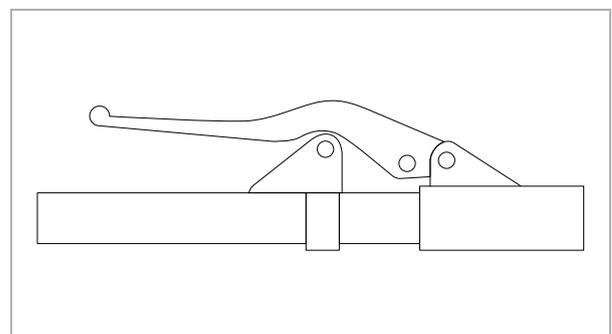
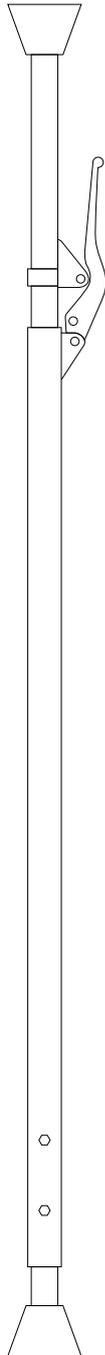
Lenght max. [mm] **2852**

Width [mm] **35**

Height [mm] **5,1**

Weight [kg] **7**

Material **steel**





183003

Model: steel cargo shoring bar

Lenght min. [mm] **2085**

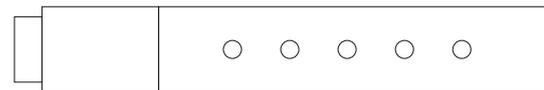
Lenght max. [mm] **2485**

Diameter [mm] **42**

Ends diameter [mm] **19**

Weight [kg] **8,3**

Material **steel**





183002

Model: steel cargo shoring bar

Lenght min. [mm] **2210**

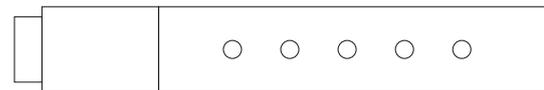
Lenght max. [mm] **2590**

Diameter [mm] **42**

Ends diameter [mm] **24**

Weight [kg] **8,6**

Material **steel**





CARGO CONTROL

www.tekson.eu

