



NETWORK ENGINEERING OY AB

# FIX

## CARGO SECURING

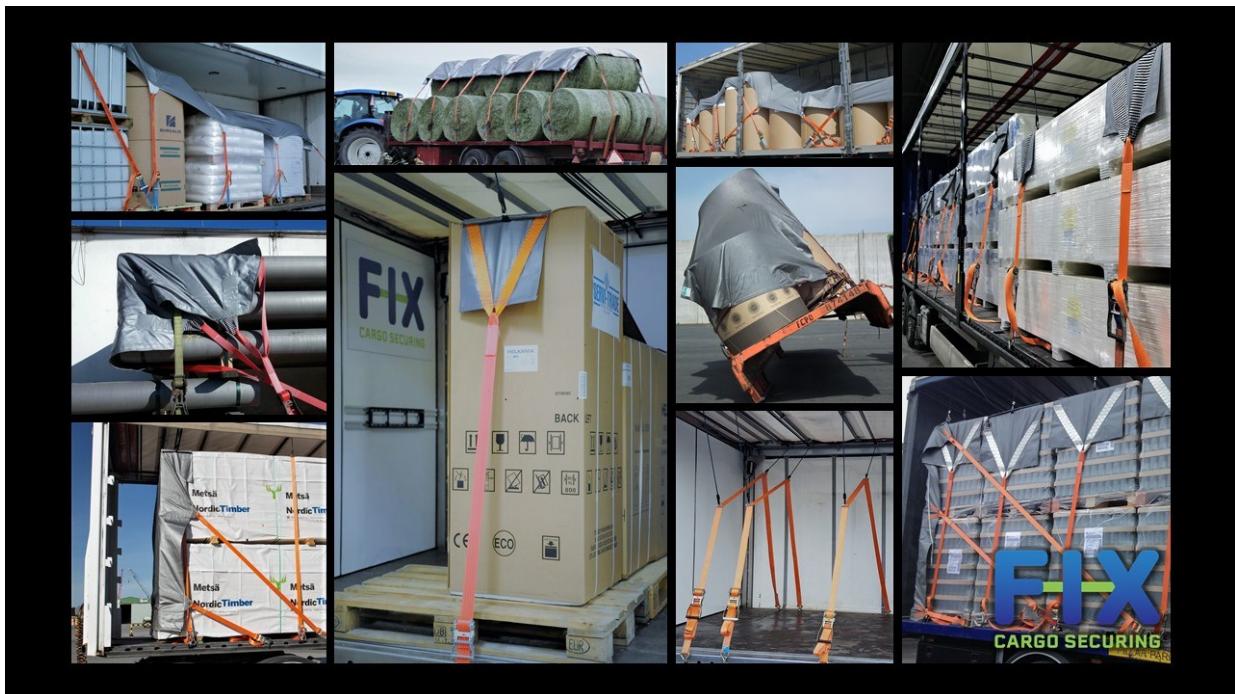


Product catalog 2025



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## NWE NETWORK ENGINEERING OY AB

Based in Finland, NWE Network Engineering Oy Ab has more than 20 years of experience in the cargo securing field, both for road and sea transports worldwide. From the start, we proceeded from a central principle: our customers should always be able to rely on our products to meet the technical demands of the transport industry, even far into the future.

As of 2025, **NWE Network Engineering Oy Ab** is a part of the **FORANKRA Group**, owned by **Axel Johnsson International**, a privately owned Swedish industrial group operating globally.



## FIX CARGO SECURING

Our FIX original products – **FIX Strap**, **FIX Road**, **FIX Truck Safe** and **FIX Marine** – are the basis for the world's fastest and most secure system for securing cargo, manually or automatically. These patented and industry-changing systems save time in both loading and unloading, provide optimal lashing results, and make the job of a professional driver both safer and physically easier.





## FIX STRAP

FIX Strap can be used for most transports, in a range of different cargo spaces. The system improves the driver's safety and streamlines the load-securing process.

FIX Strap system consists of securing straps that are attached to bungee cords, and our FIX Suspension system, which either runs on rails at the edges of the ceiling or are fixed mounted under the ceiling.

The system can be delivered with or without straps and is also available in a NORDIC version, with rubber cords manufactured according to a special compound that ensures the cords maintain their elasticity in Nordic weather conditions.



### Complete movable FIX Strap system with 7 cargo securing straps. For 6-8m trailers

Includes, 6x2400mm C-tracks, 1x1000 C-track,  
18 X Bracket 40, 10 x Joining/end bracket 80  
7 x FIX bungee roller suspension units  
7 x FIX 9,5m+0,5, 50mm ratchet straps complete with slide adjusters & claw hooks.

Part number: 140100107

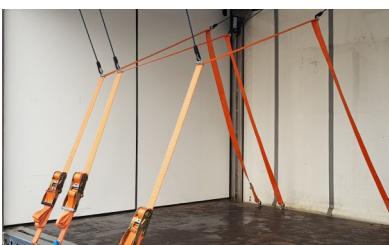
*(The length of the straps is adapted to the inner height of the trailer)*

#### Versions:

- Complete movable FIX Strap system NORDIC (see above) with 7 cargo securing straps.
- Movable system without straps, ratchet and FIX slide.
- Movable system NORDIC without straps, ratchet and FIX slide

Part number: 1401001071

Part number: 130100107  
Part number: 1301001071



### Complete movable FIX Strap system med 13 cargo securing straps. For 12,5-14m trailers

Includes, 10x2400mm C-tracks, 2x1500 C-track,  
32 X Bracket 40, 14 x Joining/end bracket 80  
13 x FIX bungee roller suspension units  
13 x FIX 9,5+0,5m, 50mm ratchet straps complete with slide adjusters & claw hooks.

Part number: 140100113

*(The length of the straps is adapted to the inner height of the trailer)*

#### Versions:

- Complete movable FIX Strap system NORDIC (see above) with 13 cargo securing straps.
- Movable system without straps, ratchet and FIX slide.
- Movable system NORDIC without straps, ratchet and FIX slide

Part number: 1401001131

Part number: 130100113  
Part number: 1301001131



### FIX suspension movable unit 8mm

FIX sliding bungee roller carriage suspension units

Part number: 1300001

#### Versions:

- FIX suspension movable unit 8mm with 2 pcs FIX Slide (1448001)
- FIX suspension movable unit 8mm NORDIC
- FIX suspension movable unit 8mm NORDIC with 2 pcs FIX Slide (1448001)

Part number: 1300101

Part number: 1300007

Part number: 13000071



**FIX bungee suspension fixed unit 8mm**

FIX bungee for fixed mounting

**Part number: 1300020**

**Versions:**

- FIX suspension fixed unit 8mm with 2 pcs FIX Slide (1448001)
- FIX suspension fixed unit 8mm NORDIC
- FIX suspension fixed unit 8mm NORDIC with 2 pcs FIX Slide (1448001)

**Part number: 13000201**

**Part number: 1300022**

**Part number: 13000221**



**C-track 1000mm**

C-profil for FIX suspension system 1000mm

**Part number: 1392005**

**C-track 1500mm**

C-profil for FIX suspension system 1500mm

**Part number: 1392006**

**C-track 2400mm**

C-profil for FIX suspension system 2400mm

**Part number: 1392024**



**Bracket 40**

Bracket for C-track 40mm

**Part number: 1391001**



**Join/end bracket 80**

Join/end bracket for C-track 80mm

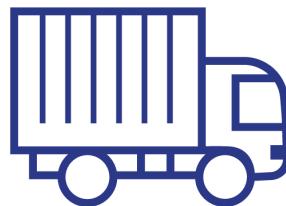
**Part number: 1391002**



**End stop screw C-track**

End stop Screw for the c-track

**Part number: 1392045**



**Cargo securing strap complete with ratchet and FIX Slide**

FIX Strap 50mm x 9,5m+0.5m Red webbing ratchet lashing units EN 12195-2 LC 2500 daN C/w FIX Slide adjuster system

SHF 50 daN, STF 320 daN

**Part number: 104101409**



**FIX Ratchet 0,5**

0.5m ratchet tensioner ends with wire J hook d16m

50mm

SHF 50 daN, STF 320 daN

LC 2500 daN

**Part number: 1291014**



**FIX Ratchet 0,33**

Ratchet with hook d16mm L 0,33m

50mm

SHF 50 daN, STF 320daN

LC 2500 daN

**Part number: 1291102**



**FIX Ratchet with hook 0,18**

Hook with lock

50mm

SHF 50 daN, STF 300 daN

LC 25 kN

**Part number: 1291077**



## FIX ROAD

FIX Road can be used for most transports, both on flat beds and in covered cargo spaces. Since the cover moves on the rails, it can be quickly and easily placed over the cargo. The system improves the driver's safety and streamlines the load-securing process.

FIX Road consists of our suspension system, which runs on rails at the edges of the ceiling, and a durable cargo-securing cover with integral securing straps on both sides. The lashing capacity (LC) for each anchor point on FIX Road is 2,500 daN.

FIX Road can be supplied as a full-length system (single-element) or in several individual sections (multi-element).



### FIX ROAD 8,2x2,9 System

Complete FIX ROAD system for 7-8 m trailer

Part number: 1011007082

1 X FIX Road 8,2x2,9 Cargo Securing tarpaulin units acc. to EN 12195-2 LC 2,500 daN 2 x 7 Lashing straps length 2,5m, 14 X 0,5m x 50mm ratchet tensioner ends, 7 X FIX sliding Bungee Roller carriage suspension units, 6 X 2,400mm FIX Track 'C' section suspension tracks, 1 X 1,000mm FIX Track 'C' section suspension tracks, 18 X F40 mounting brackets, 10 X F80 joining and end brackets.

*(The length of the straps is adapted to the inner height of the trailer)*



### FIX ROAD 14,7x2,9 System

Complete FIX ROAD system for 13.6 m trailer

Part number: 1011012147

1 X FIX Road 14,7x2,9 Cargo Securing tarpaulin units acc. to EN 12195-2 LC 2,500 daN 2 x 12 Lashing straps length 2,5m, 24 X 0,5m x 50mm ratchet tensioner ends, 12 X FIX sliding Bungee Roller carriage suspension units, 10 X 2,400mm FIX Track 'C' section suspension tracks, 2 X 1,500mm FIX Track 'C' section suspension tracks, 32 X F40 mounting brackets, 14 X F80 joining and end brackets.

*(The length of the straps is adapted to the inner height of the trailer)*



### FIX Road 1,7m X 2,9m Cargo Securing tarpaulin unit

Part number: 1011002

Part number: 1011003

Part number: 1011004

Part number: 1011005

Part number: 1011006

Part number: 1011007

Part number: 1011008

Part number: 1011009

Part number: 1011010

Part number: 1011011

Part number: 1011012

Part number: 1011013

Part number: 1011014

Part number: 1011002

Part number: 1011003

Part number: 1011004

Part number: 1011005

Part number: 1011006

Part number: 1011007

Part number: 1011008

Part number: 1011009

Part number: 1011010

Part number: 1011011

Part number: 1011012

Part number: 1011013

Part number: 1011014

*(The length of the straps is adapted to the inner height of the trailer)*



### FIX Mini 0,4 7 System

Part number: 101103007

Complete FIX Mini system for 7-8 m trailer.  
Includes 7 X FIX Mini 40cm wide x 2.8m cargo securing tarpaulin units, 14 X 0.4m x 50mm ratchet tensioner ends, 7 X FIX sliding bungee roller carriage suspension units, 6 X 2,400mm FIX Track 'C' section suspension tracks, 1 X 1,000mm FIX Track 'C' section suspension tracks, 18 X F40 mounting brackets, 10 X F80 joining and end brackets.

*(The length of the straps is adapted to the inner height of the trailer)*

CC 0,4x2,9 (Min).JPG



### FIX Mini 0,4 13 System

Part number: 101103013

Complete FIX Mini system for 13.6 m trailer.  
Includes 13 X FIX Mini 40cm wide x 2.8m cargo securing tarpaulin units, 26 X 0.5m x 50mm ratchet tensioner ends, 13 X FIX sliding bungee roller carriage suspension units, 10 X 2,400mm FIX Track 'C' section suspension tracks, 2 X 1,500mm FIX Track 'C' section suspension tracks, 32 X F40 mounting brackets, 14 X F80 joining and end brackets.

*(The length of the straps is adapted to the inner height of the trailer)*



### FIX Maxi 0,8 7 System

Part number: 101108007

Complete FIX Maxi system for 7-8 m trailer.  
Includes 7 X FIX Maxi 80cm wide x 2.8m cargo securing tarpaulin units, 14 X 0.5m x 50mm ratchet tensioner ends, 7 X FIX sliding bungee roller carriage suspension units, 6 X 2,400mm FIX Track 'C' section suspension tracks, 1 X 1,000mm FIX Track 'C' section suspension tracks, 18 X F40 mounting brackets, 10 X F80 joining and end brackets.

*(The length of the straps is adapted to the inner height of the trailer)*



### FIX Maxi 0,8 13 System

Part number: 101108013

Complete FIX Maxi system for 13.6 m trailer.  
Includes 13 X FIX Maxi 80cm wide x 2.8m cargo securing tarpaulin units, 26 X 0.5m x 50mm ratchet tensioner ends, 13 X FIX sliding bungee roller carriage suspension units, 10 X 2,400mm FIX Track 'C' section suspension tracks, 2 X 1,500mm FIX Track 'C' section suspension tracks, 32 X F40 mounting brackets, 14 X F80 joining and end brackets.

*(The length of the straps is adapted to the inner height of the trailer)*



### FIX Mini 40cm Wide

Part number: 1011000

### FIX Maxi 80cm Wide

Part number: 1011080

FIX Maxi 40/80cm wide x 2.8m cargo securing tarpaulin units EN 12195-2 LC 2500 daN

*(The length of the straps is adapted to the inner height of the trailer)*



**C-track 1000mm**

C-profil for FIX suspension system 1000mm

**C-track 1500mm**

C-profil for FIX suspension system 1500mm

**C-track 2400mm**

C-profil for FIX suspension system 2400mm

**Part number: 1392005**

**Part number: 1392006**

**Part number: 1392024**



**Bracket 40**

Bracket for C-track 40mm

**Part number: 1391001**



**Join/end bracket 80**

Join/end bracket for C-track 80mm

**Part number: 1391002**



**End stop screw C-track**

End stop Screw for the c-track

**Part number: 1392045**



**FIX suspension movable unit 8mm**

FIX sliding bungee roller carriage suspension unit

**Part number: 1300001**

**FIX suspension movable unit 8mm NORDIC**

FIX sliding bungee roller carriage suspension unit

**Part number: 1300007**



**FIX bungee suspension fixed unit 8mm**

FIX bungee for fixed mounting

**Part number: 1300020**

**FIX bungee suspension fixed unit 8mm NORDIC**

FIX bungee for fixed mounting

**Part number: 1300022**



Patenterat



Testad och godkänt av  
DEKRA



Höghållbarhet med  
lång livslängd



**FIX Ratchet 0,5**

0.4m ratchet tensioner ends with wire J hook d16m  
50mm  
SHF 50 daN, STF 300 daN  
LC 2500 daN

**Part number: 1291014**



**FIX Ratchet 0,33**

Ratchet with hook d16mm L 0,33m  
50mm  
SHF 50 daN, STF 300daN  
LC 2500 daN

**Part number: 1291102**



**FIX adjustable short end**

FIX adjustable short end.  
LC 2500 daN  
50mm

**Part number: 1411100**



## FIX ROAD SPECIAL PRODUCTS



### FIX Timber complete system

**securing cargo that is not close to front bulkhead.**

FIX Timber, is a further development from FIX Road Cargo Securing System to secure sawtimber and other heavy and high load from sliding or tipping forward. Sometimes it is necessary to load the cargo with some distance to the front bulkhead due to weight distribution.

**Includes:** 4 X 1000mm C-track, 6 X Join/end bracket 80mm, 4 X bracket 40mm, 4 X setscrew for c-track, 6 FIX ratchet LC 2500 daN, 1 X 8mm FIX movable suspension unit, 1 X 10mm FIX movable suspension unit.

**Part number: 108112700**



### FIX Timber cargo securing tarpaulin unit

**Part number: 1081127**

Only FIX timber cargo securing tarpaulin unit **without** suspension units, ratchets and tracks.



### FIX Steel

#### Cargo securing for the transport of heavy materials

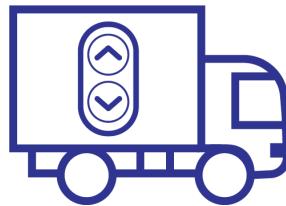
Heavy material that due to weight or weight distribution is loaded in low units, bundles or packages, which are not placed in close proximity to the front bulkhead, should be secured with straight lashings to avoid forward movement at e.g. braking. In order for these to be safely transported, NWE Network Engineering Ab has developed a special version of FIX Road load securing tarpaulin. The tablecloth in picture (0.9x2.9m) has 2 lashes per side to be tightened around one end of the load. Load securing capacity for the whole is LC 100 kN (10 tonnes) and the breaking strength over 20 tonnes.

**Storlek: Part number:**

0,9m X 2,9m 1081202

1,3m X 2,9m 1081203

1,7m X 2,9m 1081204



## FIX TRUCK-SAFE

FIX Truck-Safe is a unique, patented system that secures your cargo in seconds using a proven and tested method that has been in use for decades. The system is manufactured and tested according to the EN 12195-2 standard and meets all national requirements as well as all requirements of EU legislation, for the securing of cargo. The lashing capacity (LC) for each anchor point on the cargo-securing cover is 2,500 daN.

FIX Truck-Safe uses the same cargo securing fabric as our manual versions FIX Road and FIX Marine, but with FIX Truck-Safe, pneumatic tensioners pull the fabric down and tension it to a preadjusted force. When loading is finished, securing the cargo is done by simply pushing a button. The system can also supervise the tension and re-tension if needed. Tensioning takes between a few seconds and a minute.

All FIX Truck-Safe systems are custom made, please contact us for more information; [info@nwe.fi](mailto:info@nwe.fi)



### FIX Truck-safe for side openable cabinet

Automatic cargo securing system for trailers with side openable cabinets.

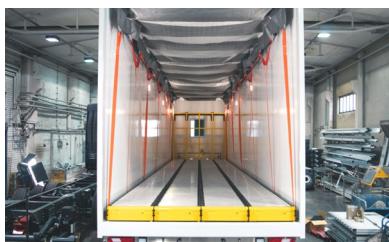
All FIX Truck-safe system are custom made for each order.



### FIX Truck-safe for lifting chapel

Automatic cargo securing system for lifting chapel.

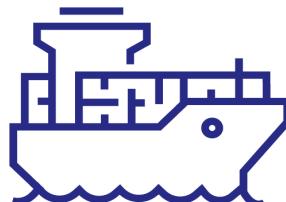
All FIX Truck-safe system are custom made for each order.



### FIX Truck-safe for cabinets with fixed walls

Automatic cargo securing system for cabinets with fixed walls,  
Can get with or without transporting floor.

All FIX Truck-safe system are custom made for each order.



## FIX MARINE

FIX Marine is our solution for securing and protecting loads at sea, whether on the open surface of a vessel or stowed in the cargo space.

The system consists of our reinforced, made-to measure, specialized cover with integral securing straps on both sides. The lashing capacity (LC) for each anchor point on the cargo-securing cover is 2,500 daN and extra straps on the ends also allow for straight lashing.

Securing even very tall loads on board, becomes an easier and much safer process than with traditional chains and edge protectors. Therefore, it is used on a frequent basis, especially for paper transports with tall, upright rolls.



### FIX RORO 13,4x3,4 System

Artikelnr: 1021011

13 FIX Marine system for 40' Mafi-rolltrailer or RoRo-cassette  
 FIX RORO 13,4 x 3,4m cargo securing tarpaulin units  
 EN 12195-2 LC 2,500 daN  
 Lashing strap length acc. to request



### FIX STOW 13,4x3,4 System

Artikelnr: 1021111

13 FIX Marine system in the hold of the ship.  
 FIX STOW 13,4 x 3,4m cargo securing tarpaulin units  
 EN 12195-2 LC 2,500 daN  
 Lashing strap length acc. to request



### FIX MARINE weather protection

Artikelnr: 1291075

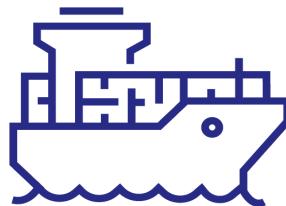
FIX Marine can be adapted with weather protection to protect the load in the best way.



### Hook

Artikelnr: 1292008

Casted 50mm  
 MBL



**Hook**

50mm D32mm

LC 25 kN

**Artikelnr: 1292003**



**Reserve strap**

50mm

LC 2500 daN

**Artikelnr: 1491101**



**Short end with D-ring**

50mm

LC 2500 daN

**Artikelnr: 1411103**



**FIX ratchet 0,5 with d32mm J hook**

0.5m Ratchet tensioner ends with wire J hook d32mm

50mm

SHF 50 daN, STF 320 daN

LC 2500 daN

**Artikelnr: 1291075**



## SPARE PARTS & ACCESSORIES



### Loose screwhook

Loose screwhook to FIX Bungee cord 8mm

Part number: 1392002

### Socket for hook assembly

A special socket for easier assembly of the screwhook (1392002)

Compatible with a power tool. See page 12

Fits: FIX Strap, FIX Mini, FIX Maxi, FIX ROAD

Part number: 1991010



### Repair kit FIX Bungee cord 8mm

FIX Bungee cord + one mounted 1392002 screwhook and one loose.

Fits: FIX Strap, FIX Mini, FIX Maxi, FIX ROAD

Part number: 1391009

### Repair kit FIX Bungee cord 8mm NORDIC

FIX Bungee cord NORDIC + one mounted 1392002 screwhook and one loose.

Fits: FIX Strap, FIX Mini, FIX Maxi, FIX ROAD

Part number: 1391012



### Socket for hook assembly

A special socket for easier assembly of the screwhook (1392002)

Part number: 1991010



### Repair kit FIX Bungee Cord 10mm

Rubbercord 10mm with 1X mounted carabiner, 1X loose carabiner and 2X clamping rings.

Part number: 1391011

### Repair kit Bungeehook

1X carabiner och 2X clamping rings for 10mm FIX suspension units.

Part number: 1392011



### FIX suspension movable unit 8mm

FIX sliding bungee roller carriage suspension unit 8mm

Fits: FIX Strap, FIX Mini, FIX Maxi, FIX ROAD

Part number: 1300001

### FIX suspension movable unit 8mm NORDIC

FIX sliding bungee roller carriage suspension unit 8mm

Fits: FIX Strap, FIX Mini, FIX Maxi, FIX ROAD

Part number: 1300007



**FIX suspension movable unit 8mm for SCB Trailers**  
FIX sliding bungee roller carriage suspension units 4.0 meter for SCB Trailers

**Part number: 1300011**

Fits: FIX Strap, FIX Mini, FIX Maxi, FIX ROAD



**FIX bungee suspension fixed unit 8mm**  
FIX bungee for fixed mounting

**Part number: 1300020**

**FIX bungee suspension fixed unit 8mm NORDIC**  
FIX bungee for fixed mounting

**Part number: 1300022**



**FIX Slide**  
FIX Slide to connect the strap with the suspension system

**Part number: 1448001**



**Wall bracket**  
Wall bracket for FIX C-track

**Part number: 1392035**



**FIX C-bracket**  
FIX C-bracket for C-track

**Part number: 1392020**

**Joining profile**

Joining profile for FIX C-track

**Part number: 1392028**

**Roof bracket**

Roof bracket for FIX C-track

**Part number: 1392036**

**Hook with locking**

Straphook with locking

50mm

LC 25kN

**Part number: 1292002**

**D-ring**

50mm

LC 25 kN

**Part number: 1392043**

**Hook**

Strap hook

50mm d16mm

LC 25 kN

**Part number: 1292001**



Uppfyller EU:s och  
IMO:s lastsäkeringskrav



Uppfyller EU:s  
lastsäkeringskrav



Bildet här är det gäller  
arbetsmedjekodet™



**Adjustable Hook**

Adjustable strap hook  
50mm  
LC 25 kN

**Part number: 1292007**



**Hook**

Casted  
50mm  
MBL

**Part number: 1292008**



**Hook**

Strap hook  
50mm D32mm  
LC 25 kN

**Part number: 1292003**



**Ekeri tension roller/dumbbell**

Tension roller for Ekeri cargo securing system  
Also fits Bussbygg and Limetec  
Aluminium  
50mm  
LC 25 kN

**Part number: 1292081**



**Pipe hook**

50mm  
LC 25 kN

**Part number: 1292006**



Uppfyller EU:s och  
IMO:s lastsäkeringskrav



Uppfyller EU:s  
lastsäkeringskrav



Bild från när det gäller  
arbetsmediet\*



**Flat hook**

50mm  
LC 25kN

Width: **Part number:**

39mm 1292010  
48mm 1292005

**Flat hook**

50mm  
LC 11kN

Width: **Part number:**

35mm 1292038



**D-ring**

50mm  
LC 0,5kN  
6mm Ø

**Part number: 1392003**



**Adjustable strap lock**

50mm  
LC 25kN

**Part number: 1292013**



**Cargo securing straps**

We produce 50mm lashing bands in the lengths and designs that are requested, in the colors orange, red and blue, more colors can be custom-ordered.



**Short end with D-ring**

50mm  
LC 2500 daN

**Part number: 1411103**



Uppfyller EU:s och  
IMO:s lastsäkeringskrav



Uppfyller EU:s  
lastsäkeringskrav



Bäst i område det gäller  
arbetsmiljö - 2010



**Replacement strap**

50mm

LC 2500 daN

**Part number: 1491101**



**FIX adjustable short end**

FIX adjustable short end.

50mm

LC 2500 daN

**Part number: 1411100**



**FIX Ratchet with hook 0,18**

Hook with locking

50mm

SHF 50 daN, STF 300 daN

LC 25 kN

**Part number: 1291077**



**FIX Ratchet 0,33**

Ratchet with hook d16mm L 0,33m

**Part number: 1291102**

**FIX Ratchet 0,4**

Ratchet with hook d16mm L 0,4m

**Part number: 1291014**

50mm, SHF 50 daN, STF 300daN, LC 2500 daN



**FIX ratchet 0,4 with d32mm J hook**

0.4m Ratchet tensioner ends with wire J hook d32mm

50mm

SHF 50 daN, STF 300 daN

LC 2500 daN

**Part number: 1291075**



Uppfyller EU:s och  
IMO:s lastsäkeringskrav



Uppfyller EU:s  
lastsäkeringskrav



Bäst i område det gäller  
arbetsmiljö



**Cargo securing straps LC 2500 daN**

With standard 0,4m ratchet and hooks  
50mm  
SHF 50 daN, STF 300 daN, LC 2500 daN  
Red, Orange and Blue

LC/Length:

Part number:

LC 2500 7,6+0,4m: **104101117**  
LC 2500 9,6+0,4m: **104101119**



**Cargo securing straps ERGO LC 2500 daN**

With 0,4m Ergo ratchet and hooks  
50mm  
SHF 50 daN, STF 500 daN, LC 2500 daN  
Red, Orange and Blue

LC/Length:

Part number:

LC 2500 7,6+0,4m: **104101207**  
LC 2500 9,6+0,4m: **104101209**



**Cargo securing straps LC 2000 daN**

With standard 0,4m ratchet and hooks  
50mm  
SHF 50 daN, STF 300 daN, LC 2000 daN  
Yellow

LC/Length:

Part number:

LC 2000 7,6+0,4m: **104101107**  
LC 2000 9,6+0,4m: **104101109**



**Ratchet with short handle**

Ratchet with short handle without strap  
50mm  
LC 10 kN

Part number: **1292198**



**Ratchet with short handle**

Ratchet with short handle without strap  
50mm  
LC 25 kN

Part number: **1292199**



### FIX Ratchet

Standard ratchet without strap  
50mm,  
LC 25 kN

Part number: 1292100



### FIX Ergo ratchet

Ratchet with a long handle without strap  
50mm  
LC 25 kN

Part number: 1292301



### FIX Check

A mechanical measuring tool for checking the approximate tension level.  
FIX Check gives an indication of the tension in the strap around the cargo. This measuring tool shows you approximately the amount of force that a strap has been pulled taut with. Since the tension level in a securing strap can vary up to 50% according to various factors, e.g. depending on the strap material, the arm strength of the person securing the cargo and the length of strap around the ratchet axle , it is important to check what the actual force is.

Part number: 1882001

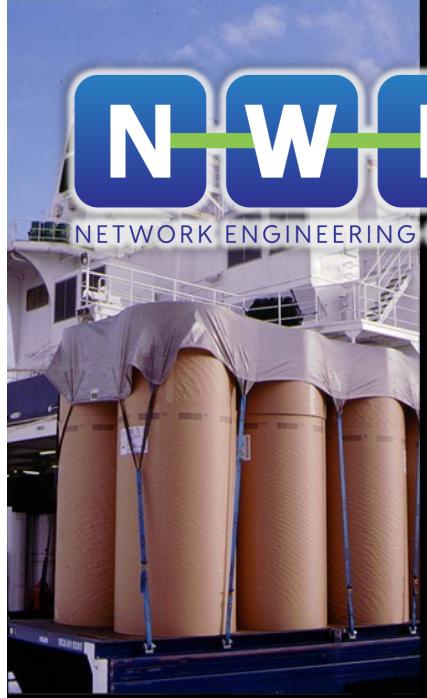


### FIX Measure

A unique electronic measuring instrument for quick and exact checking of the tension force in a taut cargo-securing strap.  
The accuracy of the measurement result is +/- 20 daN. The measuring instrument weighs only 1.7 kg with a battery (9V).

Part number: 1882003







**NWE NETWORK ENGINEERING OY AB**

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