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A WORLD PLAYER SPECIALIZED IN CARGO SECURING TECHNOLOGY.
HISTORY

WE’VE KNOWN THE TWISTLOCKS SINCE 1974
Just like the port of Antwerp, where ILS has its head office, our company boasts an interesting and rich history. Over 40 years ago, British traders set up shop at ‘t Eilandje (literally: “the Islet”), a characteristic harbor neighborhood in the North of Antwerp. And just as the port of Antwerp has evolved over the centuries into a leading world port and a major cargo hub, ILS has grown from a tiny warehouse selling all kinds of goods, into a world player specialized in cargo securing technology.

In 2017, we can honestly say we are a world-class supplier of lashing materials, ensuring plain sailing for container, multipurpose and roro-ships hitting the waters. Our motto? Keeping your cargo safe and secure by providing quality products at the best price.

Our experienced team of professionals is there to advise shipowners, shipyards and design companies alike. We will make sure your ship is on course in no time.
MISSION STATEMENT

EVERYTHING YOU NEED TO RUN A TIGHT SHIP

As a professional in the marine and offshore industry, we know you’re not just going to hit any port in a storm. Well, you’ve come to the right place. We’ve got decades of experience in the design and manufacturing of lashing products. Our warehouse is stocked to the brim with the best products on the market. Literally everything you need to run a tight ship. And at ILS, we take pride in getting it all over to you ahead of time.
Imagine everything you may need to secure cargo onto a ship. All kinds of cargo, for that matter. Hard to imagine? Not for us. We’ve got it all under one roof. Our warehouse holds a very large stock of all lashing-related products. That is, if they meet our high quality standards. Whether you need twistlocks, chains, levers, D-rings, lashing bars, etc.: we’ve got you covered.
Our commitment to a fast delivery will keep you on course. Over the years, ILS has developed an extensive network of agents and stockists in all major ports and shipbuilding nations around the world. Our network ensures the best service, no matter your location. Whether you require spare parts, a few additions to your equipment, you can count on us for a quick and efficient service.
In an industry where safety and security are non-negotiable, we refuse to compromise on quality. Period. Our products are certified by a host of classification societies, such as Germanischer Lloyd, Lloyd Register, Bureau Veritas, American Bureau of Shipping, Det Norske Veritas, and so on. However, the highest quality doesn’t have to come at the highest price. At ILS, we aim to provide the best products at the best price. How’s that for smooth sailing?
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CHAPTER 1

DECK SOCKETS
AND D-RINGS
Reference: DF-71-W
Description: SINGLE FLUSH ISO DECKSOCKET
Weight [kg]: 8.6
Material: Steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted • Weldable primer
Remarks: Fixed container foundation can be welded in tweendecks.
Other socket dimensions are available as well. Plastic plugs for the ISO-holes can also be requested.

Reference: DF-72(25)-V
Description: DOUBLE TRANSVERSAL FLUSH ISO DECKSOCKET - CC=203mm
Weight [kg]: 17.2
Material: Steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted • Weldable primer
Remarks: Fixed container foundation can be welded in tweendecks.
Other socket dimensions are available as well.
Plastic plugs for the ISO-holes can also be requested.
Model DF-72(38)-V (CC=216mm) and DF-72(80)-V (CC=258mm) also available.
Other CC distances upon request.
**DF-73(76)-V**

**DOUBLE LONGITUDINAL FLUSH ISO DECKSOCKET**

- **Reference:** DF-73(76)-V
- **Description:** DOUBLE LONGITUDINAL FLUSH ISO DECKSOCKET

**Weight [kg]:**

- 17.3

**Material:**

- Steel

**Breaking load Tension [kN]:**

- 500

**Breaking load Shear [kN]:**

- 420

**Finish:**

- Shot blasted • Weldable primer
- Fixed container foundation can be welded in tweendecks.
- Other socket dimensions are available as well.
- Plastic plugs for the ISO-holes can also be requested.

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**DF-74(25)-V**

**QUADRUPLE FLUSH ISO DECKSOCKET - CC=203mm**

- **Reference:** DF-74(25)-V
- **Description:** QUADRUPLE FLUSH ISO DECKSOCKET - CC=203mm

**Weight [kg]:**

- 42.3

**Material:**

- Steel

**Breaking load Tension [kN]:**

- 500

**Breaking load Shear [kN]:**

- 420

**Finish:**

- Shot blasted • Weldable primer
- Fixed container foundation can be welded in tweendecks.
- Model DF-74(80-V (CC=258mm) also available.
- Other CC distances on request.
CHAPTER 1 DECKSOCKETS AND D-RINGS

Reference: DF-41
Description: SINGLE RAISED ISO DECKSOCKET
Weight [kg]: 6.2
Material: Steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420

Finish: Shot blasted • Weldable primer
Remarks: Fixed container foundation can be welded on the hatch cover and deck. Other heights are available on request. Topplate of 28mm is also available: DF-41[28]

Reference: DF-42(25)
Description: DOUBLE TRANSVERSAL RAISED ISO DECKSOCKET - CC=203mm
Weight [kg]: 12.4
Material: Steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420

Finish: Shot blasted • Weldable primer
Remarks: Fixed container foundation can be welded on the hatch cover and deck. Other socket dimensions are available as well. Plastic plugs for the ISO-holes can also be requested. Model DF-42(38) (CC=216mm) and DF-42(80)-V (CC=258mm) also available. Other CC distances upon request.
DF-43(76)
DOUBLE LONGITUDINAL RAISED ISO DECKSOCKET - CC=203mm

Reference:
Description:
Weight [kg]: 13.3
Material: Steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted • Weldable primer
Remarks: Fixed container foundation can be welded on the hatch cover and deck. Other socket dimensions are available as well.

DF-41-LIFT
LIFTING RAISED ISO DECKSOCKET

Reference:
Description:
Weight [kg]: 8.0
Material: Steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted • Weldable primer
Remarks: Lifts the hatch covers.
DF-41-LIFT-E-L or R
LIFTING RAISED ISO DECKSOCKET WITH EYE

Reference:
Description: DF-41-LIFT-E-L or R
LIFTING RAISED ISO DECKSOCKET WITH EYE
Weight [kg]: 12.0
Material: Steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted + Weldable primer
Remarks: Fixed container foundation can be welded on the hatch cover.

DF-41-E
ELONGATED RAISED ISO DECKSOCKET

Reference:
Description: DF-41-E
ELONGATED RAISED ISO DECKSOCKET
Weight [kg]: 12.5
Material: Steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted + Weldable primer
Remarks: Fixed container foundation compensates movements of the hatch cover.
DF-41-SLI-L
LONGITUDINAL SLIDING RAISED ISO DECKSOCKET

Reference:
Description: DF-41-SLI-L
Weight [kg]: 14.5
Material: Steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420

Finish: Shot blasted + Weldable primer
Remarks: Fixed container foundation compensates movements of the hatch cover.

DF-41-SLI-T
TRANSVERSAL SLIDING RAISED ISO DECKSOCKET

Reference:
Description: DF-41-SLI-T
Weight [kg]: 14.5
Material: Steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420

Finish: Shot blasted + Weldable primer
Remarks: Fixed container foundation compensates movements of the hatch cover.
### Reference: DF-31

**Description:** SINGLE DOVETAIL DECKSOCKET 45°

**Weight [kg]:** 3.7

**Material:** Precision cast steel

**Breaking load Tension [kN]:** 500

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted • Weldable primer

**Remarks:** Fixed container foundation can be welded on the hatch cover and deck. Elongated types are available as well.

---

### Reference: DF-32(25)

**Description:** DOUBLE TRANSVERSAL DOVETAIL DECKSOCKET 45° - CC=203mm

**Weight [kg]:** 6.2

**Material:** Precision cast steel

**Breaking load Tension [kN]:** 500

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted • Weldable primer

**Remarks:** Fixed container foundation can be welded on the hatch cover and deck. Elongated types are available as well. Model DF-32(80) (CC=258mm) also available. Other CC distances upon request.
### DF-31-55
**SINGLE DOVETAIL DECKSOCKET 55°**

<table>
<thead>
<tr>
<th>Reference:</th>
<th>DF-31-55</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>DOUBLE TRANSVERSAL DOVETAIL DECKSOCKET 55° - CC=203mm</td>
</tr>
<tr>
<td>Weight (kg):</td>
<td>3.8</td>
</tr>
<tr>
<td>Material:</td>
<td>Precision cast steel</td>
</tr>
<tr>
<td>Breaking load Tension (kn):</td>
<td>500</td>
</tr>
<tr>
<td>Breaking load Shear (kn):</td>
<td>420</td>
</tr>
<tr>
<td>Finish:</td>
<td>Shot blasted • Weldable primer</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Fixed container foundation can be welded on the hatch cover and deck. Elongated types are available as well.</td>
</tr>
</tbody>
</table>

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### DF-32-55(25)
**DOUBLE TRANSVERSAL DOVETAIL DECKSOCKET 55° - CC=258mm**

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>DOUBLE TRANSVERSAL DOVETAIL DECKSOCKET 55° - CC=203mm</td>
</tr>
<tr>
<td>Weight (kg):</td>
<td>6.2</td>
</tr>
<tr>
<td>Material:</td>
<td>Precision casting</td>
</tr>
<tr>
<td>Breaking load Tension (kn):</td>
<td>500</td>
</tr>
<tr>
<td>Breaking load Shear (kn):</td>
<td>420</td>
</tr>
<tr>
<td>Finish:</td>
<td>Shot blasted • Weldable primer</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Fixed container foundation can be welded on the hatch cover and deck. Elongated types are available as well. Model DF-32(80)-V (CC=258mm) also available. Other CC distances upon request.</td>
</tr>
</tbody>
</table>
### GC-4

**Reference:**

**Description:** GUIDE CONE

**Weight [kg]:** 0.8

**Material:** Drop forged steel

**Breaking load Tension [kN]:** -

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted + Primer

**Remarks:** Guide fittings welded on double bottom in between cell guides. Other types and dimensions are available as well.

---

### GC-5

**Reference:**

**Description:** GUIDE CONE

**Weight [kg]:** 1.3

**Material:** Drop forged steel

**Breaking load Tension [kN]:** -

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted + Primer

**Remarks:** Guide fittings welded on double bottom in between cell guides. Other types and dimensions are available as well.

Blocking pin BP-01 also available.
Reference: LP-27-1
Description: SINGLE LASHING PLATE
Weight [kg]: 1.5
Material: Forged steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -
Finish: Shot blasted + Primer
Remarks: Fixed lashing point for turnbuckles.
Welded on deck.

Reference: LP-27-1S
Description: SINGLE LASHING PLATE WITH STOPPER
Weight [kg]: 2.0
Material: Forged steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -
Finish: Shot blasted + Primer
Remarks: Fixed lashing point for turnbuckles.
Welded on deck.
**LP-27-2(100)**

**DOUBLE LASHING PLATE**

- **Weight [kg]:** 2.9
- **Material:** Forged steel
- **Breaking load Tension [kN]:** 500
- **Breaking load Shear [kN]:** -
- **Finish:** Shot blasted + Primer
- **Remarks:** Fixed lashing point for turnbuckles. Welded on deck. Model LP-27-2(200) also available.

**LP-06**

**CARLASHING D-RING 4T**

- **Weight [kg]:** 0.6
- **Material:** Forged steel
- **Breaking load Tension [kN]:** 40
- **Breaking load Shear [kN]:** -
- **Finish:** Self-coloured
- **Remarks:** Foldable lashing point for carlashing.
**LP-09**  
**DOUBLE CARLASHING D-RING 4T**

- **Weight [kg]:** 0.95
- **Material:** Forged steel
- **Breaking load Tension [kN]:** 2x40
- **Breaking load Shear [kN]:** -
- **Finish:** Self-coloured
- **Remarks:** Foldable lashing point for carlashing.

**Reference:**

**Description:**

**Weight [kg]:**

**Material:**

**Breaking load Tension [kN]:**

**Breaking load Shear [kN]:**

**Finish:**

**Remarks:**

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**LP-13**  
**D-RING 20T**

- **Weight [kg]:** 1.3
- **Material:** Drop forged ring + Bended steel plates
- **Breaking load Tension [kN]:** 200
- **Breaking load Shear [kN]:** -
- **Finish:** Self-coloured
- **Remarks:** Foldable lashing point on deck.

**Reference:**

**Description:**

**Weight [kg]:**

**Material:**

**Breaking load Tension [kN]:**

**Breaking load Shear [kN]:**

**Finish:**

**Remarks:**

www.ils.be
Reference: LP-11
Description: D-RING 36T
Weight [kg]: 2.7
Material: Drop forged ring + Bended steel plates

Breaking load Tension [kN]: 360
Breaking load Shear [kN]: -

Finish: Self-coloured
Remarks: Foldable lashing point on deck.

Reference: LP-17
Description: DOUBLE D-RING 36T
Weight [kg]: 5.03
Material: Drop forged ring + Bended steel plates

Breaking load Tension [kN]: 360
Breaking load Shear [kN]: -

Finish: Shot blasted + Weldable primer
Remarks: Foldable lashing point on deck.
Reference: LP-14
Description: D-RING 50T
Weight [kg]: 4.3
Material: Drop forged ring • Bended steel plates
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -
Finish: Self-coloured
Remarks: Foldable lashing point on deck.

Reference: LP-18
Description: DOUBLE D-RING 50T
Weight [kg]: 11.14
Material: Drop forged ring • Bended steel plates
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -
Finish: Shot blasted • Weldable primer
Remarks: Foldable lashing point on deck.
<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
<th>Weight [kg]</th>
<th>Material</th>
<th>Breaking load Tension [kN]</th>
<th>Breaking load Shear [kN]</th>
<th>Finish</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>LP-67</td>
<td>D-RING 67T</td>
<td>6.4</td>
<td>Drop forged ring + Bended steel plates</td>
<td>670</td>
<td>-</td>
<td>Self-coloured</td>
<td>Foldable lashing point on deck</td>
</tr>
<tr>
<td>LP-91-45</td>
<td>U-FRAME D-RING 45°</td>
<td>6.4</td>
<td>Drop forged ring + Bended steel plates + Casted bottom plates</td>
<td>-</td>
<td>400</td>
<td>Primer painted</td>
<td>Foldable lashing point for dovetail sockets of 45°</td>
</tr>
</tbody>
</table>
**Reference:**
**Description:** LP-91-55
**U-FRAME D-RING 55°**

**Weight [kg]:** 7.0
**Material:** Drop forged ring + Bended steel plates + Casted bottom plates

**Breaking load Tension [kN]:** -
**Breaking load Shear [kN]:** 400

**Finish:** Primer painted
**Remarks:** Foldable lashing point for dovetail sockets of 55°

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**Reference:**
**Description:** LP-16
**TURNFOOT D-RING 40T**

**Weight [kg]:** 6.2
**Material:** Drop forged ring + Bended steel plates + Casted bottom plates

**Breaking load Tension [kN]:** -
**Breaking load Shear [kN]:** 400

**Finish:** Primer painted
**Remarks:** Foldable lashing point for ISO sockets.
**Reference:**

**Description:** LP-21

**Weight [kg]:** 8.3

**Material:** Drop forged ring • Bended steel plates • Casted bottom plates

**Breaking load Tension [kN]:** -

**Breaking load Shear [kN]:** 400

**Finish:** Primer painted

**Remarks:** Foldable lashing point for breech base sockets.

---

**Reference:**

**Description:** LP-84

**Weight [kg]:** 15.9

**Material:** Drop forged ring • Bended steel plates • Casted bottom plates

**Breaking load Tension [kN]:** 360

**Breaking load Shear [kN]:** -

**Finish:** Shot blasted • Weldable primer

**Remarks:** Flush lashing point used in the holds.
Reference: LP-31
Description: LASHING POINT
Weight [kg]: 11.2
Material: Precision cast steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -

Finish: Shot blasted + Weldable primer
Remarks: Flush lashing point used in the holds.
CHAPTER 2

STACKING CONES AND TWISTLOCKS
**BF-51**  
**ISO BOTTOM STACKING CONE**  

- **Weight [kg]:** 2  
- **Material:** Drop forged cone + Steel plate  
- **Breaking load Tension [kN]:** -  
- **Breaking load Shear [kN]:** 420  
- **Finish:** Shot blasted + Hot dip galvanized  
- **Remarks:** Securing of containers in the holds.

**BF-61**  
**SINGLE ROUND CUP STACKING CONE**  

- **Weight [kg]:** 2.9  
- **Material:** Drop forged cone + Steel plate  
- **Breaking load Tension [kN]:** -  
- **Breaking load Shear [kN]:** 420  
- **Finish:** Shot blasted + Hot dip galvanized  
- **Remarks:** Securing of containers in the holds.
**Reference:**

**Description:** BF-62(25)

**DOUBLE TRANSVERSAL ROUND CUP STACKING CONE - CC=203mm**

**Weight (kg):** 7.7

**Material:** Drop forged cones + Steel plate

**Breaking load Tension (kN):** -

**Breaking load Shear (kN):** 420

**Finish:** Shot blasted + Hot dip galvanized

**Remarks:** Securing of containers in the holds. Model BF-62(80)-V (CC=258mm) also available. Other CC distances upon request.

---

**Reference:**

**Description:** IF-11

**SINGLE INTERMEDIATE STACKING CONE**

**Weight (kg):** 2.9

**Material:** Drop forged cone + Steel plate

**Breaking load Tension (kN):** -

**Breaking load Shear (kN):** 420

**Finish:** Shot blasted + Hot dip galvanized

**Remarks:** Securing of containers in the holds.
### IF-12(25) DOUBLE TRANSVERSAL STACKING CONE - CC=203mm

<table>
<thead>
<tr>
<th>Reference</th>
<th>IF-12(25) Double Transversal Stacking Cone - CC=203mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>DOUBLE TRANSVERSAL STACKING CONE - CC=203mm</td>
</tr>
<tr>
<td>Weight [kg]</td>
<td>8.15</td>
</tr>
<tr>
<td>Material</td>
<td>Drop forged cones + Steel plate</td>
</tr>
<tr>
<td>Breaking load Tension [kN]</td>
<td>-</td>
</tr>
<tr>
<td>Breaking load Shear [kN]</td>
<td>420</td>
</tr>
<tr>
<td>Finish</td>
<td>Shot blasted + Hot dip galvanized</td>
</tr>
<tr>
<td>Remarks</td>
<td>Securing of containers in the holds. Model IF-12(80) (CC=258mm) also available. Other CC distances upon request.</td>
</tr>
</tbody>
</table>

![Double Transversal Stacking Cone - CC=203mm](image)

### IF-13(76) DOUBLE LONGITUDINAL STACKING CONE

<table>
<thead>
<tr>
<th>Reference</th>
<th>IF-13(76) Double Longitudinal Stacking Cone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>DOUBLE LONGITUDINAL STACKING CONE</td>
</tr>
<tr>
<td>Weight [kg]</td>
<td>7.4</td>
</tr>
<tr>
<td>Material</td>
<td>Drop forged cones + Steel plate</td>
</tr>
<tr>
<td>Breaking load Tension [kN]</td>
<td>-</td>
</tr>
<tr>
<td>Breaking load Shear [kN]</td>
<td>420</td>
</tr>
<tr>
<td>Finish</td>
<td>Shot blasted + Hot dip galvanized</td>
</tr>
<tr>
<td>Remarks</td>
<td>Securing of containers in the holds.</td>
</tr>
</tbody>
</table>

![Double Longitudinal Stacking Cone](image)
Reference: IF-111
Description: 6" COMPENSATING STACKING CONE
Weight [kg]: 11.8
Material: Drop forged cones • Steel plates
Breaking load Tension [kN]: -
Breaking load Shear [kN]: 420
Finish: Shot blasted • Weldable painted
Remarks: Stacking cone compensating different container heights.

Reference: IF-71
Description: 6" COMPENSATING STACKING CONE
Weight [kg]: 11.7
Material: Drop forged cone • Steel plates
Breaking load Tension [kN]: -
Breaking load Shear [kN]: 420
Finish: Shot blasted • Weldable painted
Remarks: Stacking cone compensating different container heights.
CHAPTER 2  STACKING CONES AND TWISTLOCKS

Reference: IF-18
Description: 6” COMPENSATING STACKING Cone
Weight [kg]: 11.8
Material: Drop forged steel + Steel plates
Breaking load Tension [kN]: -
Breaking load Shear [kN]: 420
Finish: Shot blasted + Weldable painted
Remarks: Stacking cone compensating different container heights.

Reference: BF-11L or R
Description: LONGITUDINAL DOVETAIL TWISTLOCK 45°
Weight [kg]: 6.1
Material: Cast steel housing + Forged steel cone
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted + Hot dip galvanized
Remarks: Twistlocks for securing containers on the deck.
To be fitted in dovetail sockets of 45°
BF-16L or R
TRANSVERSAL DOVETAIL TWISTLOCK 45°

- Weight [kg]: 6.8
- Material: Cast steel housing + Forged steel cone
- Breaking load Tension [kN]: 500
- Breaking load Shear [kN]: 420
- Finish: Shot blasted + Hot dip galvanized
- Remarks: Twistlocks for securing containers on the deck.
To be fitted in dovetail sockets of 45°

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BF-11-55L or R
LONGITUDINAL DOVETAIL TWISTLOCK 55°

- Weight [kg]: 7.2
- Material: Cast steel housing + Forged steel cone
- Breaking load Tension [kN]: 500
- Breaking load Shear [kN]: 420
- Finish: Shot blasted + Hot dip galvanized
- Remarks: Twistlocks for securing containers on the deck.
To be fitted in dovetail sockets of 55°
CHAPTER 2  STACKING CONES AND TWISTLOCKS

**Reference:**

**Description:** BF-16-55L or R

**Material:**

**Breaking load Tension [kN]:** 500

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted + Hot dip galvanized

**Remarks:** Twistlocks for securing containers on the deck. To be fitted in dovetail sockets of 55°.

**Reference:**

**Description:** BF-11LL

**Material:**

**Breaking load Tension [kN]:** 500

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted + Hot dip galvanized

**Remarks:** Twistlocks for securing containers on the deck. To be fitted in dovetail sockets of 45°. Only for line load stowage.
**BF-11-55LL**

**DOVETAIL LINE LOAD TWISTLOCK 55°**

- **Weight [kg]:** 7.6
- **Material:** Cast steel housing • Forged steel cone
- **Breaking load Tension [kN]:** 500
- **Breaking load Shear [kN]:** 420
- **Finish:** Shot blasted • Hot dip galvanized
- **Remarks:** Only for line load stowage. To be fitted in dovetail sockets of 55°.

**BF-66L or R**

**BREECH BASE TWISTLOCK**

- **Weight [kg]:** 5.7
- **Material:** Cast steel housing • Forged steel cone
- **Breaking load Tension [kN]:** 500
- **Breaking load Shear [kN]:** 420
- **Finish:** Shot blasted • Hot dip galvanized
- **Remarks:** Twistlock for securing containers on the deck. Only for breech base sockets DF-66.
**CHAPTER 2  STACKING CONES AND TWISTLOCKS**

---

**Reference:** IF-51-L or R  
**Description:** STANDARD INTERMEDIATE TWISTLOCK  
**Weight [kg]:** 4.8  
**Material:** Cast steel housing + Forged steel cones  
**Breaking load Tension [kN]:** 500  
**Breaking load Shear [kN]:** 420  
**Finish:** Shot blasted + Hot dip galvanized  
**Remarks:** Standard manual twistlock.

---

**Reference:** IF-51BS-L or R  
**Description:** BIG SURFACE TWISTLOCK  
**Weight [kg]:** 5.3  
**Material:** Cast steel housing + Forged steel cones  
**Breaking load Tension [kN]:** 500  
**Breaking load Shear [kN]:** 420  
**Finish:** Shot blasted + Hot dip galvanized  
**Remarks:** Standard manual twistlocks with larger flange for higher pressure forces.
Reference:
Description:
**IF-51BST-L or R**
BIG SURFACE TWISTLOCK

Weight [kg]:
6.2

Material:
Cast steel housing • Forged steel cones

Breaking load Tension [kN]:
500

Breaking load Shear [kN]:
420

Finish:
Shot blasted • Hot dip galvanized

Remarks:
Standard manual twistlocks with larger flange for higher pressure forces.

Reference:
Description:
**IF-56**
SEMI-AUTOMATIC TWISTLOCK

Weight [kg]:
5.4

Material:
Cast steel housing • Forged steel cones • Wire handle: stainless steel

Breaking load Tension [kN]:
500

Breaking load Shear [kN]:
420

Finish:
Shot blasted • Hot dip galvanized

Remarks:
Dual function semi-automatic twistlock. OSHA compliant.
CHAPTER 2  STACKING CONES AND TWISTLOCKS

Reference: IF-56BS
Description: BIG SURFACE SEMI-AUTOMATIC TWISTLOCK
Weight [kg]: 6.8
Material: Cast steel housing • Forged steel cones • Stainless steel wire handle
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted • Hot dip galvanized
Remarks: Dual function semi-automatic twistlock. OSHA compliant. Used for high pressure forces.

Reference: IF-57
Description: AUTOMATIC MIDLOCK
Weight [kg]: 6.8
Material: Cast steel
Breaking load Tension [kN]: 500
Breaking load Shear [kN]: 420
Finish: Shot blasted • Hot dip galvanized
Remarks: -
**Reference:** IF-57-N

**Description:** AUTOMATIC MIDLOCK

**Weight [kg]:** 4.7

**Material:** Cast steel

**Breaking load Tension [kN]:** 500

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted + Hot dip galvanized

**Remarks:** Midlock used at the 3” gap for stowing twin 20’ containers on deck in 40’ stack.

---

**Reference:** IF-97-N

**Description:** HANGING STACKING CONE WITHOUT FLANGE

**Weight [kg]:** 1.5

**Material:** Cast steel

**Breaking load Tension [kN]:** -

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted + Hot dip galvanized

**Remarks:** Stacking cone to secure containers against shifting in holds and on quayside.
### Reference: IF-98

**Description:** HANGING STACKING CONE WITH FLANGE

**Weight [kg]:** 2.5

**Material:** Cast steel

**Breaking load Tension [kN]:** -

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted • Hot dip galvanized

**Remarks:** Stacking cone to secure containers against shifting in holds and on quayside.

### Reference: IF-99

**Description:** TERMINAL STACKER

**Weight [kg]:** 3.0

**Material:** Cast steel

**Breaking load Tension [kN]:** -

**Breaking load Shear [kN]:** 420

**Finish:** Shot blasted • Hot dip galvanized

**Remarks:** Stacking cone to secure containers against shifting in holds and on quayside.
Reference:
Description: IF-91
DEPOT STACKER
Weight [kg]: 3.3
Material: Cast steel
Breaking load Tension [kN]: -
Breaking load Shear [kN]: 420
Finish:
Remarks: Shot blasted + Hot dip galvanized
To secure containers against shifting and on quayside.

Reference:
Description: OT-31
OPERATION POLE FOR SEMI-AUTOMATIC TWISTLOCKS
Weight [kg]: -
Material: Aluminum
Breaking load Tension [kN]: -
Breaking load Shear [kN]: -
Finish:
Remarks: Standard lengths of 1.7m/4.6m/7.5m/10.3m/13.4m are always available in stock. Other lengths upon request.
CHAPTER 2    STACKING CONES AND TWISTLOCKS

Reference: OT-3
Description: OPERATION POLE FOR STANDARD TWISTLOCKS
Weight [kg]: -
Material: Aluminum

Breaking load Tension [kN]: -
Breaking load Shear [kN]: -

Finish: -
Remarks: Standard lengths of 2m/4m/6m are always available in stock. Other lengths upon request.

Reference: OT-208
Description: 20' FLAT RACK
Weight [kg]: 1500.0
Material: Steel profiles

Breaking load Tension [kN]: -
Breaking load Shear [kN]: -

Finish: Painted
Remarks: Rack for storage bin BIN-10. CSC-labeled.
**Reference:**

**Description:** FLAT RACK BIN FOR LASHING MATERIALS

**Weight [kg]:** 141.0
**Material:** Steel plates

**Breaking load Tension [kN]:** -
**Breaking load Shear [kN]:** -

**Finish:** Galvanized
**Remarks:** Loading capacity 1.5T

---

**Reference:**

**Description:** BIN FOR LASHING MATERIALS

**Weight [kg]:** 77.0
**Material:** Steel plates

**Breaking load Tension [kN]:** -
**Breaking load Shear [kN]:** -

**Finish:** Galvanized
**Remarks:** Loading capacity 1.5T
CHAPTER 3

LASHING BARS AND TURNBUCKLES
CHAPTER 3 LASHING BARS AND TURNBUCKLES

Reference: LB-44(2400)
Description: KNOB LASHING BAR
Weight [kg]: 12.0
Material: Forged high-tensile steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -

Finish: Shot blasted + Hot dip galvanized
Remarks:
Standard lengths of 2.4m/2.5m/4.95m/5.045m are always available in stock. Other lengths upon request.

Lashing bars are used together with turnbuckles for securing container stacks on the deck.

Reference: LB-44-V(1660)
Description: VERTICAL KNOB LASHING BAR
Weight [kg]: 10.0
Material: Forged high-tensile steel

Breaking load Tension [kN]: 500
Breaking load Shear [kN]: -

Finish: Shot blasted + Hot dip galvanized
Remarks:
Standard lengths of 1.66m/4.48m are always available in stock. Other lengths upon request.

Lashing bars are used together with turnbuckles for securing container stacks on the deck.
**LB-3S(2200)**

**EYE-SWIVELHEAD LASHING BAR**

- **Weight (kg):** 12.4
- **Material:** Forged high-tensile steel
- **Breaking load Tension (kN):** 500
- **Breaking load Shear (kN):** -
- **Finish:** Shot blasted + Hot dip galvanized
- **Remarks:** Standard lengths of 2.2m/2.4m/4.5m/4.7m are always available in stock. Other lengths upon request.

Lashing bars are used together with turnbuckles for securing container stacks on the deck.

**LB-4(310)**

**EXTENSION ROD**

- **Weight (kg):** 3.9
- **Material:** Forged high-tensile steel
- **Breaking load Tension (kN):** 500
- **Breaking load Shear (kN):** -
- **Finish:** Shot blasted + Hot dip galvanized
- **Remarks:** Extension rod to be used with lashing bars LB-3S. Standard lengths of 0.3m/0.6m are always available in stock. Other lengths upon request.
CHAPTER 3  LASHING BARS AND TURNBUCKLES

**Reference:** LB-47(550)
**Description:** EXTENSION ROD
**Weight [kg]:** 4.95
**Material:** Forged high-tensile steel

**Breaking load Tension [kN]:** 500
**Breaking load Shear [kN]:** -

**Finish:** Shot blasted + Hot dip galvanized
**Remarks:** Extension rod to be used with lashing bars LB-44. Standard lengths of 0,55m/1,23m are always available in stock. Other lengths upon request.

**Reference:** ST-4508
**Description:** KNOB/JAW TURNBUCKLE
**Weight [kg]:** 13.4
**Material:** High tension steel

**Breaking load Tension [kN]:** 500
**Breaking load Shear [kN]:** -

**Finish:** Shot blasted + Hot dip galvanized
**Remarks:** To tighten knot-type lashing bars LB-44.
**ST-1365**

*HOOK/JAW TURNBUCKLE, DOUBLE ACTING*

- **Weight [kg]**: 13.4
- **Material**: High tension steel
- **Breaking load Tension [kN]**: 500
- **Breaking load Shear [kN]**: -
- **Finish**: Shot blasted + Hot dip galvanized
- **Remarks**: To tighten eye-swivelhead the lashing bars LB-3S.

**OT-12**

*TURNBUCKLE KEY*

- **Weight [kg]**: 2.57
- **Material**: Steel
- **Breaking load Tension [kN]**: -
- **Breaking load Shear [kN]**: -
- **Finish**: Primer painted
- **Remarks**: To tighten turnbuckles ST-4508 and ST-1365.
Reference: SU-38
Description: INTERMEDIATE SUPPORT
Weight [kg]: 18.0
Material: High tensile steel

Breaking load Tension [kN]: 850
Breaking load Shear [kN]: -

Finish: Shot blasted • Primer painted
Remarks: Used in the holds to make container blocks.

Reference: SU-44
Description: TOP SUPPORT
Weight [kg]: 18.0
Material: High tensile steel

Breaking load Tension [kN]: 850
Breaking load Shear [kN]: -

Finish: Shot blasted • Primer painted
Remarks: Used in the holds to make container blocks.
**SU-23**
**INTERMEDIATE SUPPORT**

<table>
<thead>
<tr>
<th>Reference:</th>
<th>SU-23</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>INTERMEDIATE SUPPORT</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>21.0</td>
</tr>
<tr>
<td>Material:</td>
<td>High tensile steel</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>850</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>Shot blasted • Primer painted</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Used in the holds to make container blocks.</td>
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</table>

**SU-24**
**TOP SUPPORT**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Description:</td>
<td>TOP SUPPORT</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>21.0</td>
</tr>
<tr>
<td>Material:</td>
<td>High tensile steel</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>850</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>Shot blasted • Primer painted</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Used in the holds to make container blocks.</td>
</tr>
</tbody>
</table>
CHAPTER 4 SUPPORTS AND BRIDGEFITTINGS

Reference: SB-1S
Description: TENSION BRIDGE FITTING
Weight [kg]: 2.8
Material: High tensile steel + Precision casting
Breaking load Tension [kN]: 100
Breaking load Shear [kN]: -
Finish: Shot blasted + Hot dip galvanized
Remarks: To interconnect 2 containers standing side by side.

Reference: SB-7
Description: TENSION/COMPRESSION BRIDGE FITTING
Weight [kg]: 8.6
Material: High tensile steel + Precision casting
Breaking load Tension [kN]: 200
Breaking load Shear [kN]: -
Finish: Shot blasted + Hot dip galvanized
Remarks: To interconnect 2 containers standing side by side.
CHAPTER 5

ELEPHANT FOOT SOCKETS
AND CARLASHING SOCKETS
**LP-61-G**

**RAISED ELEPHANT FOOT SOCKET**

- **Weight [kg]**: 4.9
- **Material**: Bended/welded high tensile steel plates
- **Breaking load Tension [kN]**: 200
- **Breaking load Shear [kN]**: -
- **Finish**: Shot blasted • Weldable primer
- **Remarks**: Fixed lashing point for elephant foot (HO-1421/HO-220M). Other sizes upon request.

**LP-62-S**

**HALF RAISED ELEPHANT FOOT SOCKET**

- **Weight [kg]**: 2.5
- **Material**: Bended/welded high tensile steel plates
- **Breaking load Tension [kN]**: 200
- **Breaking load Shear [kN]**: -
- **Finish**: Shot blasted • Weldable primer
- **Remarks**: Fixed lashing point for elephant foot (HO-1421/HO-220M). Other sizes upon request.
**Reference:**

**Description:** LP-81-B  
**FLUSH ELEPHANT FOOT SOCKET**

**Weight [kg]:** 6.3  
**Material:** Bended/welded high tensile steel plates

**Breaking load Tension [kN]:** 200  
**Breaking load Shear [kN]:** 178

**Finish:** Shot blasted • Weldable primer  
**Remarks:** Fixed lashing point for elephant foot (HO-1421/HO-220M). Other sizes upon request. Plastic plugs for ISO-holes can also be requested.

---

**Reference:**

**Description:** LP-82-B  
**HALF FLUSH ELEPHANT FOOT SOCKET**

**Weight [kg]:** 6.4  
**Material:** Bended/welded high tensile steel plates

**Breaking load Tension [kN]:** 200  
**Breaking load Shear [kN]:** 170

**Finish:** Shot blasted • Weldable primer  
**Remarks:** Fixed lashing point for elephant foot (HO-1421/HO-220M). Other sizes upon request. Plastic plugs for ISO-holes can also be requested.
LP-66

RAISED CARLASHING SOCKET

Weight [kg]: 0.6
Material: Bended/welded high tensile steel plates/round bars

Breaking load Tension [kN]: 40
Breaking load Shear [kN]: -

Finish: Shot blasted • Weldable primer
Remarks: Fixed lashing point for carlashings
CHAPTER 6

LASHING CHAINS, CHAINTURNBUCKLES AND TENSION LEVERS
CHAPTER 6  LASHING CHAINS, CHAINTURNBUCKLES AND TENSION LEVERS

| Reference: | CL-9 |
| Description: | CHAIN 9mm |
| Weight [kg]: | 1.45 |
| Material: | High-tensile steel |
| Breaking load Tension [kN]: | 100 |
| Breaking load Shear [kN]: | - |
| Finish: | Painted |
| Remarks: | Customized colours and lengths possible. |

| Reference: | CL-11 |
| Description: | CHAIN 11mm |
| Weight [kg]: | 2.15 |
| Material: | High-tensile steel |
| Breaking load Tension [kN]: | 150 |
| Breaking load Shear [kN]: | - |
| Finish: | Painted |
| Remarks: | Customized colours and lengths possible. |
**Reference:**

**Description:**

**Weight (lgl):**

**Material:**

**Breaking load Tension (lN):**

**Breaking load Shear (lN):**

**Finish:**

**Remarks:**

---

**CHAIN**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Chain diameter</th>
<th>Inside length</th>
<th>Inside width</th>
<th>Weight per meter</th>
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</thead>
<tbody>
<tr>
<td>CL-13</td>
<td>13 mm</td>
<td>81 mm</td>
<td>22 mm</td>
<td>3.00 kg</td>
</tr>
</tbody>
</table>

---

**Reference:**

**Description:**

**Weight (lgl):**

**Material:**

**Breaking load Tension (lN):**

**Breaking load Shear (lN):**

**Finish:**

**Remarks:**

---

**CHAINLASHING WITHOUT END FITTINGS**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Chain diameter</th>
<th>Inside length</th>
<th>Inside width</th>
<th>Weight per meter</th>
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</thead>
<tbody>
<tr>
<td>LA0 + diam + length</td>
<td>13 mm</td>
<td>81 mm</td>
<td>22 mm</td>
<td>3.00 kg</td>
</tr>
</tbody>
</table>
CHAPTER 6 LASHING CHAINS, CHAINTURNBUCKLES AND TENSION LEVERS

**Reference:** LA1 + diam + length  
**Description:** CHAINLASHING HOOK/HOOK  
**Weight [kg]:** -  
**Material:** High-tensile steel  
**Breaking load Tension [kN]:** -  
**Breaking load Shear [kN]:** -  
**Finish:** Painted  
**Remarks:** Customized colours and lengths possible.

**Reference:** LA2 + diam + length  
**Description:** CHAINLASHING HOOK/ELEPHANT FOOT  
**Weight [kg]:** -  
**Material:** High-tensile steel  
**Breaking load Tension [kN]:** -  
**Breaking load Shear [kN]:** -  
**Finish:** Painted  
**Remarks:** Customized colours and lengths possible.
<table>
<thead>
<tr>
<th>Reference:</th>
<th>LA3 + diam + length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>CHAINLASHING HOOK/SHACKLE</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>-</td>
</tr>
<tr>
<td>Material:</td>
<td>High-tensile steel</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>Painted</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Customized colours and lengths possible.</td>
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<table>
<thead>
<tr>
<th>Reference:</th>
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</thead>
<tbody>
<tr>
<td>Description:</td>
<td>CHAINLASHING HOOK/ONE SIDE ONLY</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>-</td>
</tr>
<tr>
<td>Material:</td>
<td>High-tensile steel</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>Painted</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Customized colours and lengths possible.</td>
</tr>
</tbody>
</table>
**Reference:** LA7 + diam + length
**Description:** CHAINLASHING HOOK/HOOK-ELEPHANT FOOT
**Weight [kg]:** -
**Material:** High-tensile steel
**Breaking load Tension [kN]:** -
**Breaking load Shear [kN]:** -
**Finish:** Painted
**Remarks:** Customized colours and lengths possible.
**Reference:** HO-1310  
**Description:** C-HOOK 9mm  
**Weight [kg]:** 0.6  
**Material:** Drop forged steel

- **Breaking load Tension [kN]:** 100  
- **Breaking load Shear [kN]:** -

- **Finish:** Powder coated or dipped  
- **Remarks:** To be used with 9 mm chain.

---

**Reference:** HO-1315  
**Description:** C-HOOK 11mm  
**Weight [kg]:** 0.85  
**Material:** Drop forged steel

- **Breaking load Tension [kN]:** 150  
- **Breaking load Shear [kN]:** -

- **Finish:** Powder coated or dipped  
- **Remarks:** To be used with 11 mm chain.
### Reference:

**HO-1321**

**Description:** C-HOOK 13mm

**Weight [kg]:** 1.3

**Material:** Drop forged steel

**Breaking load Tension [kN]:** 200

**Breaking load Shear [kN]:** -

**Finish:** Powder coated or dipped

**Remarks:** To be used with 13 mm chain.

### Reference:

**HO-1220**

**Description:** EYE HOOK

**Weight [kg]:** 1.3

**Material:** Drop forged steel

**Breaking load Tension [kN]:** 200

**Breaking load Shear [kN]:** -

**Finish:** Powder coated or dipped

**Remarks:** To be used with 9/11/13 mm chain.
Reference: HO-1421(F)
Description: ELEPHANT FOOT
Weight [kg]: 1.05
Material: Drop forged steel
Breaking load Tension [kN]: 200
Breaking load Shear [kN]: -
Finish: Powder coated or dipped
Remarks: To be used with 9/11/13 mm chain.

Reference: HO-220M
Description: EYE ELEPHANT FOOT
Weight [kg]: 0.9
Material: Drop forged steel
Breaking load Tension [kN]: 200
Breaking load Shear [kN]: -
Finish: Powder coated or dipped
Remarks: To be used with 9/11/13 mm chain.
**HO-1915**

**SCREW PIN SHACKLE**

- **Description:** Screw Pin Shackle
- **Weight [kg]:** 0.27
- **Material:** Drop forged steel
- **Breaking load Tension [kN]:** 150
- **Breaking load Shear [kN]:** -
- **Finish:** Painted
- **Remarks:** To be used with 11mm chain.

**Reference:**

**Description:**

**Weight [kg]:**

**Material:**

**Breaking load Tension [kN]:**

**Breaking load Shear [kN]:**

**Finish:**

**Remarks:**

---

**HO-1920**

**SCREW PIN SHACKLE**

- **Description:** Screw Pin Shackle
- **Weight [kg]:** 0.5
- **Material:** Drop forged steel
- **Breaking load Tension [kN]:** 200
- **Breaking load Shear [kN]:** -
- **Finish:** Painted
- **Remarks:** To be used with 13mm chain.
| Reference: | ST-1022  
| Description: | CHAIN TURBuckle Hook/Hook  
| Weight [kg]: | 6  
| Material: | Drop forged steel  
| Breaking load Tension [kN]: | 200  
| Breaking load Shear [kN]: | -  
| Finish: | Hot dip galvanized  
| Remarks: | To tighten 13mm chain.  

| Reference: | ST-1023-G  
| Description: | CHAIN TURBuckle Hook/Elephant Foot  
| Weight [kg]: | 6.1  
| Material: | Drop forged steel  
| Breaking load Tension [kN]: | 200  
| Breaking load Shear [kN]: | -  
| Finish: | Hot dip galvanized  
| Remarks: | To tighten 13mm chain.  

---

![Diagram of ST-1022 chain turnbuckle hook/hook with dimensions](image1)

---

![Diagram of ST-1023-G chain turnbuckle hook/elephant foot with dimensions](image2)
### AST-30 SPEEDLASH

<table>
<thead>
<tr>
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<th>AST-30</th>
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<tbody>
<tr>
<td>Description:</td>
<td>SPEEDLASH</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>5.65</td>
</tr>
<tr>
<td>Material:</td>
<td>Drop forged steel</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>200</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>Hot dip galvanized</td>
</tr>
<tr>
<td>Remarks:</td>
<td>To tighten 13mm chain.</td>
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</tbody>
</table>

### AST-31 SPEEDLASH WITH ELEPHANT FOOT

<table>
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<th>AST-31</th>
</tr>
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<tbody>
<tr>
<td>Description:</td>
<td>SPEEDLASH WITH ELEPHANT FOOT</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>6.4</td>
</tr>
<tr>
<td>Material:</td>
<td>Drop forged steel</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>200</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>Hot dip galvanized</td>
</tr>
<tr>
<td>Remarks:</td>
<td>To tighten 13mm chain.</td>
</tr>
</tbody>
</table>
**AST-32**
**SPEEDLASH WITH HOOK**
- **Weight [kg]:** 6.9
- **Material:** Drop forged steel
- **Breaking load Tension [kN]:** 200
- **Breaking load Shear [kN]:** -
- **Finish:** Hot dip galvanized
- **Remarks:** To tighten 13mm chain.

---

**LT-610**
**TENSION LEVER 9mm**
- **Weight [kg]:** 3.25
- **Material:** Forged steel, bended steel wire
- **Breaking load Tension [kN]:** 100
- **Breaking load Shear [kN]:** -
- **Finish:** Primer painted
- **Remarks:** To tighten 9mm chain.
CHAPTER 6    LASHING CHAINS, CHAINTURNBUCKLES AND TENSION LEVERS

Reference:
Description: LT-615
TENSION LEVER 11mm
Weight [kg]: 4.3
Material: Forged steel, bended steel wire
Breaking load Tension [kN]: 150
Breaking load Shear [kN]: -
Finish: Primer painted
Remarks: To tighten 11mm chain.

Reference:
Description: LT-620
TENSION LEVER 13mm
Weight [kg]: 5.55
Material: Forged steel, bended steel wire
Breaking load Tension [kN]: 200
Breaking load Shear [kN]: -
Finish: Primer painted
Remarks: To tighten 13mm chain.
Reference: LT-815
Description: TENSION LEVER 11mm
Weight (kg): 3.5
Material: Forged steel, bended steel wire
Breaking load Tension (kN): 150
Breaking load Shear (kN): -
Finish: Primer painted
Remarks: To tighten 11mm chain.

Reference: LT-820
Description: TENSION LEVER 13mm
Weight (kg): 4.0
Material: Forged steel, bended steel wire
Breaking load Tension (kN): 200
Breaking load Shear (kN): -
Finish: Primer painted
Remarks: To tighten 13mm chain.
<table>
<thead>
<tr>
<th>Reference:</th>
<th>LT-7</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong></td>
<td>EXTENSION HANDLE</td>
</tr>
<tr>
<td><strong>Weight [kg]:</strong></td>
<td>3.9</td>
</tr>
<tr>
<td><strong>Material:</strong></td>
<td>Forged steel, bended steel wire</td>
</tr>
<tr>
<td><strong>Breaking load Tension [kN]:</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Breaking load Shear [kN]:</strong></td>
<td>-</td>
</tr>
<tr>
<td><strong>Finish:</strong></td>
<td>Primer painted</td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td>To tighten tension lever.</td>
</tr>
</tbody>
</table>
CHAPTER 7

WEBLASHINGS, TRAILERHORSES AND CHOCKS
## CARLASHING 1.5T

<table>
<thead>
<tr>
<th>Reference:</th>
<th>CARL-15</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>CARLASHING 1.5T</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>0.45</td>
</tr>
<tr>
<td>Material:</td>
<td>100% polyester • Plastified steel hooks &amp; ratchet</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>15</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>-</td>
</tr>
<tr>
<td>Remarks:</td>
<td>To secure cars in the holds. Other executions upon request.</td>
</tr>
</tbody>
</table>

System Length ~2800mm

---

## CARLASHING 1.5T WITH LOOP

<table>
<thead>
<tr>
<th>Reference:</th>
<th>CARL-15L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description:</td>
<td>CARLASHING 1.5T WITH LOOP</td>
</tr>
<tr>
<td>Weight [kg]:</td>
<td>0.5</td>
</tr>
<tr>
<td>Material:</td>
<td>100% polyester • Plastified steel hooks &amp; ratchet</td>
</tr>
<tr>
<td>Breaking load Tension [kN]:</td>
<td>15</td>
</tr>
<tr>
<td>Breaking load Shear [kN]:</td>
<td>-</td>
</tr>
<tr>
<td>Finish:</td>
<td>-</td>
</tr>
<tr>
<td>Remarks:</td>
<td>To secure cars in the holds. Other executions upon request.</td>
</tr>
</tbody>
</table>

System Length ~3000mm
Reference: CARL-20
Description: CARLASHING 2T
Weight [kg]: 0.65
Material: 100% polyester • Plastified steel hooks & ratchet
Breaking load Tension [kN]: 20
Breaking load Shear [kN]: -
Finish: -
Remarks: To secure cars in the holds.
Other executions upon request.

Reference: CARL-20L
Description: CARLASHING 2T WITH LOOP
Weight [kg]: 0.7
Material: 100% polyester • Plastified steel hooks & ratchet
Breaking load Tension [kN]: 20
Breaking load Shear [kN]: -
Finish: -
Remarks: To secure cars in the holds.
Other executions upon request.
**Reference:**

**CRL-20**

**Description:**

CARLOOP 2T

**Weight [kg]:**

0.03

**Material:**

100% polyester

**Breaking load Tension [kN]:**

20

**Breaking load Shear [kN]:**

-

**Finish:**

-

**Remarks:**

To secure cars in the holds. Other executions upon request.

---

**Reference:**

**WL-40-5**

**Description:**

WEBLASHING 5T, S/M HOOK/HOOK

**Weight [kg]:**

2.0

**Material:**

100% polyester + Steel hooks & ratchet

**Breaking load Tension [kN]:**

50

**Breaking load Shear [kN]:**

-

**Finish:**

-

**Remarks:**

To secure cargo in the holds. Other executions upon request.
**WL-40-9**

**WEBLASHING 5T, 9M HOOK/HOOK**

- **Weight (kg):** 2.4
- **Material:** 100% polyester + Steel hooks & ratchet
- **Breaking load Tension (kN):** 50
- **Breaking load Shear (kN):** -
- **Finish:** -
- **Remarks:** To secure cargo in the holds. Other executions upon request.

---

**WL-100-10**

**WEBLASHING 10T, 10M HOOK/HOOK**

- **Weight (kg):** 7.15
- **Material:** 100% polyester + Steel hooks & ratchet
- **Breaking load Tension (kN):** 100
- **Breaking load Shear (kN):** -
- **Finish:** -
- **Remarks:** To secure cargo in the holds. Other executions upon request.
**WL-100-15**

**WEBLASHING 10T, 15M HOOK/HOOK**

- **Weight [kg]**: 8.3
- **Material**: 100% polyester + Steel hooks & ratchet
- **Breaking load Tension [kN]**: 100
- **Breaking load Shear [kN]**: -
- **Finish**: -
- **Remarks**: To secure cargo in the holds. Other executions upon request.

**WL-100-25**

**WEBLASHING 10T, 25M HOOK/HOOK**

- **Weight [kg]**: 10.8
- **Material**: 100% polyester + Steel hooks & ratchet
- **Breaking load Tension [kN]**: 100
- **Breaking load Shear [kN]**: -
- **Finish**: -
- **Remarks**: To secure cargo in the holds. Other executions upon request.
WL-100-10-HK/EF  
WEBLASHING 10T, 10m HOOK/ELEPHANT FOOT  
Weight [kg]: 7.9  
Material: 100% polyester • Steel hook, elephant foot & ratchet

Breaking load Tension [kN]: 100  
Breaking load Shear [kN]: -  
Finish:  
Remarks: To secure cargo in the holds. Other executions upon request.

WL-100-15-HK/EF  
WEBLASHING 10T, 15m HOOK/ELEPHANT FOOT  
Weight [kg]: 9.05  
Material: 100% polyester • Steel hook, elephant foot & ratchet

Breaking load Tension [kN]: 100  
Breaking load Shear [kN]: -  
Finish:  
Remarks: To secure cargo in the holds. Other executions upon request.
### Reference: WL-100-25-HK/EF
### Description: WEBLASHING 10T, 25m HOOK/ELEPHANT FOOT
### Weight [kg]: 11.55
### Material: 100% polyester + Steel hook, elephant foot & ratchet

<table>
<thead>
<tr>
<th>Breaking load Tension [kN]</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breaking load Shear [kN]</td>
<td>-</td>
</tr>
</tbody>
</table>

### Remarks:
To secure cargo in the holds.
Other executions upon request.

### Reference: WL-200-2.5M-HK/EF
### Description: TRAILERLASHING 20T, 2.5m HOOK/ELEPHANT FOOT
### Weight [kg]: 8.1
### Material: 100% polyester + Steel hook, elephant foot & ratchet

<table>
<thead>
<tr>
<th>Breaking load Tension [kN]</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breaking load Shear [kN]</td>
<td>-</td>
</tr>
</tbody>
</table>

### Remarks:
To secure trailers in the holds.
Other executions upon request.
**Reference:**
**Description:** TL-50
**TRUCKLOOP 5T**
**Weight [kg]:** 0.2
**Material:** 100% polyester
**Breaking load Tension [kN]:** 50
**Breaking load Shear [kN]:** -
**Finish:** -
**Remarks:** To secure trucks in the holds.
Other executions upon request.

---

**Reference:**
**Description:** TL-105
**TRUCKLOOP 10T**
**Weight [kg]:** 0.35
**Material:** 100% polyester
**Breaking load Tension [kN]:** 100
**Breaking load Shear [kN]:** -
**Finish:** -
**Remarks:** To secure trucks in the holds.
Other executions upon request.
CHAPTER 7 WEBLASHINGS, TRAILERHORSES AND CHOCKS

Reference: TH-1-0
Description: STANDARD TRAILER HORSE, L = 1500 mm
Weight [kg]: 146.8
Material: Steel profiles + Hard wood
Breaking load Tension [kN]: -
Breaking load Shear [kN]: -
Finish: Primer painted
Remarks: To support trailers.

Reference: TH-7-0
Description: STANDARD TRAILER HORSE, L = 1700 mm
Weight [kg]: 154.0
Material: Steel profiles + Hard wood
Breaking load Tension [kN]: -
Breaking load Shear [kN]: -
Finish: Primer painted
Remarks: To support trailers.
**Reference:** TH-7  
**Description:** HEAVY DUTY TRAILER HORSE, L = 1700mm  
**Weight [kg]:** 167  
**Material:** Steel profiles + Hard wood  

**Breaking load Tension [kN]:** -  
**Breaking load Shear [kN]:** -  

**Finish:** Primer painted  
**Remarks:** To support trailers.

---

**Reference:** WC-1  
**Description:** CAR CHOCK  
**Weight [kg]:** 1.2  
**Material:** Rubber  

**Breaking load Tension [kN]:** -  
**Breaking load Shear [kN]:** -  

**Finish:** Self-coloured  
**Remarks:** To secure the wheels of cars and trucks.
CHAPTER 7 WEBLASHINGS, TRAILERHORSES AND CHOCKS

Reference: WC-2
Description: TRAILER CHOCK
Weight [kg]: 5.9
Material: Rubber

Breaking load Tension [kN]: -
Breaking load Shear [kN]: -

Finish: Self-coloured
Remarks: To secure the wheels of cars and trucks.

Reference: CE-2
Description: CORNER PROTECTOR
Weight [kg]: 1.6
Material: Polypropylene

Breaking load Tension [kN]: -
Breaking load Shear [kN]: -

Finish: Self-coloured
Remarks: To protect the edges of general cargo.
Available in 1.2m and 2.25m.
Can be cut at any length upon request.
CHAPTER 8

CORNERCASTINGS
### Reference: CO-TL/CO-TR

**Description:**
TOP ISO CORNERCASTING LEFT or RIGHT

**Weight (kg):**
11

**Material:**
Cast steel

**Breaking load Tension (kN):**
500

**Breaking load Shear (kN):**
420

**Finish:**
Self-coloured

**Remarks:**
- 

### Reference: CO-BL/CO-BR

**Description:**
BOTTOM ISO CORNERCASTING LEFT or RIGHT

**Weight (kg):**
11

**Material:**
Cast steel

**Breaking load Tension (kN):**
500

**Breaking load Shear (kN):**
420

**Finish:**
Self-coloured

**Remarks:**
- 

---

**LOADS SHEAR [kN]**

<table>
<thead>
<tr>
<th><strong>BREAKING LOAD</strong></th>
<th><strong>PROOF LOAD</strong></th>
<th><strong>SAFE WORKING LOAD</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>BL</td>
<td>PL</td>
<td>SWL</td>
</tr>
<tr>
<td>420</td>
<td>263</td>
<td>210</td>
</tr>
</tbody>
</table>

**TOTAL WEIGHT:**
11,0 kg

**TENSION [kN]**

<table>
<thead>
<tr>
<th><strong>REFERENCE</strong></th>
<th><strong>DESIGNATION</strong></th>
<th><strong>WEIGHT [kg]</strong></th>
<th><strong>MATERIAL</strong></th>
<th><strong>BREAKING LOAD TENSION [kN]</strong></th>
<th><strong>BREAKING LOAD SHEAR [kN]</strong></th>
<th><strong>FINISH</strong></th>
<th><strong>REMARKS</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**CHAPTER 8  CORNERCASTINGS**

**Reference:**

**Description:**

**Weight [kg]:**

**Material:**

**Breaking load Tension [kN]:**

**Breaking load Shear [kN]:**

**Finish:**

**Remarks:**

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