**EN 12 195-2 STANDARD**

The European Committee of Normalization (CEN) have agreed and decided that lashing devices shall be manufactured according to the European Standard for lashing EN-12195-2. This standard provides the user with all information as regards to the products itself and its follow up which is similar to the regulation applied to lifting equipment.

**Features:**

- **WLL or LC:** Working Load Limit (WLL) or Lashing Capacity (LC) = Maximum direct tensile strength which a lashing device can withstand when used.
- **Safety factor:**
  - 2 times for the complete system,
  - 2 times for fittings,
  - 3 times for non woven webbing.
- **Test:** hooks and accessories including the lashing devices must not show any signs of deformation likely to affect their performance at a LC of 1,25; they must also withstand a safety factor of at least 2.
- **Elongation:** The webbing must not elongate more than 7% when subjected to the LC.

**Product description and ordering:**

The description of lashing systems must include all the following information:

- the type of lashing device represented with its reference:
  - One part system (endless),
  - Two parts (short part and long part),
- Reference of type, according to the manufacturer,
- Working Load Limit (WLL) in daN,
- Length of the short part in meters,
- Total length (L) in meters,
- Reference to this standard.

**Marking:**

End fittings, buckles, tensioning devices and load indicators must at least bear the name or the symbol of their manufacturer or supplier. Each complete set of products or subset, in case components have to be separated, must bear the following information on a tag.

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**LASHING PRODUCT LABEL**

<table>
<thead>
<tr>
<th>TCN : 2000 daN</th>
<th>999900001 PES</th>
</tr>
</thead>
<tbody>
<tr>
<td>FABRICANT</td>
<td>date : 02 / 11</td>
</tr>
<tr>
<td></td>
<td>EN 12 195-2</td>
</tr>
<tr>
<td></td>
<td>03 / 2001</td>
</tr>
<tr>
<td>Lashing capacity</td>
<td>TMU : 2000 daN</td>
</tr>
<tr>
<td></td>
<td>TMU : 4000 daN</td>
</tr>
<tr>
<td></td>
<td>S_{HF} 50 daN / S_{TF} 200 daN</td>
</tr>
<tr>
<td></td>
<td>rupture sangle seule 6,0 t</td>
</tr>
<tr>
<td></td>
<td>5D11 900 / 30 B</td>
</tr>
<tr>
<td>Webbing material</td>
<td>999900001 PES</td>
</tr>
<tr>
<td></td>
<td>Long. : 900 / 30 cm</td>
</tr>
<tr>
<td>Warning instruction</td>
<td>Ne pas utiliser pour le levage</td>
</tr>
<tr>
<td>Name of manufacturor or supplier</td>
<td>Fabriqué en France</td>
</tr>
<tr>
<td>Year of production</td>
<td>En 12 195-2 03 / 2001</td>
</tr>
<tr>
<td>Identification number of the standard</td>
<td>DIN 60 060</td>
</tr>
</tbody>
</table>

**LABEL COLOURS:**

- Blue for polyester webbing slings
- Green for polyamide webbing slings
- Brown for polypropylene webbing slings

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**REMINDER**

**S_{TF} = standardized manual force**

This is the manual action force of 500 N (50 daN on the label) given in order to not overload the lashing webbing slings. Do not use any accessories such as bars, levers...

This regulation is specified in the EU standard 12195-2 (see enclosure).

**S_{TF} = standardized capacity load**

This is the residual force after loosening the handle of the ratchet and pawl, fixed to 10% of the loading capacity, i.e. 10% of the loading capacity mentioned on the label.

This 10% value is specified in the EU standard EN 12195-1 (see enclosed).
LASHING SYSTEMS - LC 5 000 daN - 15 tons*

FOR VEHICLE CARRIER - HEAVY DUTY LASHING SYSTEMS

Webbing 75 mm width - Ratchet load binder with secured opening (breaking strength of the webbing only : 15 Tons)

Complying with EN 12195-2 standard

Standard total length of the system : 8 m

<table>
<thead>
<tr>
<th>Ref</th>
<th>Weight / 8 m</th>
<th>Weight / m +</th>
</tr>
</thead>
<tbody>
<tr>
<td>975T5/1</td>
<td>5 200 g</td>
<td>220 g</td>
</tr>
<tr>
<td>975T5/1069</td>
<td>6 270 g</td>
<td>230 g</td>
</tr>
<tr>
<td>975T5/1067</td>
<td>6 680 g</td>
<td>230 g</td>
</tr>
<tr>
<td>975T5/25502</td>
<td>7 850 g</td>
<td>220 g</td>
</tr>
<tr>
<td>975T5/Delta</td>
<td>7 800 g</td>
<td>230 g</td>
</tr>
<tr>
<td>975T5/Delta/CRO</td>
<td>9 450 g</td>
<td>230 g</td>
</tr>
</tbody>
</table>

Technical Features
- Marking
- Customized length upon request
- Polyester
- Traceability
- EAN13 bar code labelling
- Colour : Green "army"

LASHING SYSTEMS - LC 2 500 daN - 7.5 tons*

WITH AN ERGONOMIC RATCHET LOAD BINDER FEATURING A PROGRESSIVE RELEASE

Webbing 50 mm width - Ratchet load binder with secured opening, high performance

(breaking strength of the webbing only : 7.5 tons) - Complying with EN 12195-2 standard

Standard total length of the system : 9 m

<table>
<thead>
<tr>
<th>Ref</th>
<th>Weight / 9 m</th>
<th>Weight / m +</th>
</tr>
</thead>
<tbody>
<tr>
<td>811ALL2,5/1065</td>
<td>3 130 g</td>
<td>130 g</td>
</tr>
<tr>
<td>811ALL2,5/1006</td>
<td>3 195 g</td>
<td>130 g</td>
</tr>
<tr>
<td>811ALL2,5/1014</td>
<td>3 640 g</td>
<td>130 g</td>
</tr>
</tbody>
</table>

Technical Features
- Marking
- Customized length upon request
- Polyester
- Traceability
- EAN13 bar code labelling
- Colours : Orange, Blue

Notice:
- A standardized lashing system is a safe lashing system.

IMPORTANT:
- Using a lever to stretch the lashing system is strictly forbidden.

Ref : 811 ALL
LASHING SYSTEMS - LC 2 000 daN - 6 tons HEAVY TRUCK
Webbing 50 mm width - Ratchet load binder with secured opening (breaking strength of the webbing only : 6 Tons)
Complying with EN 12195-2 standard

TECHNICAL FEATURES
- Marking
- Customized length upon request
- Polyester
- Traceability
- EAN13 bar code labelling
- Colours : Black, Blue, Orange, Yellow, Red and Green

AVAILABLE FITTINGS ON YOUR LASHING SYSTEMS

Ref : 811PP/1
Weight / 9 m : 2 065 g
Weight / m + : 110 g

Ref : 811PP/1006
Weight / 9 m : 2 545 g
Weight / m + : 110 g

Ref : 811PP/1065
Weight / 9 m : 2 480 g
Weight / m + : 110 g

Ref : 811PP/1014
Weight / 9 m : 2 985 g
Weight / m + : 110 g

Ref : 811PP/1209
Weight / 9 m : 2 730 g
Weight / m + : 110 g

Ref : 811PP/1075
Weight / 9 m : 3 170 g
Weight / m + : 110 g

Ref : 811PP/1210
Weight / 9 m : 2 714 g
Weight / m + : 110 g

Ref : 811PP/CAT2
Weight / 9 m : 2 100 g
Weight / m + : 110 g

Ref : 811PP/3018
Weight / 9 m : 2 300 g
Weight / m + : 110 g

Protect the loads, increase security and life expectancy of your lashing systems!
Increasing the safety and enhancing the life of your lashing system is possible thanks to the polyurethane protection keepers we propose at a special price all year. Our offer includes 2 polyurethane protection keepers fitted on the long part for all our lashing systems of 50 mm and 75 mm width. Consult us for more information.

ADVICE:
Carefully check the condition of your anchorages.
LASHING SYSTEMS - LC 1000 daN - 3.2 tons*  
SMALL BUSINESS  

Webbing 35 mm width - Ratchet load binder with secured opening or tensioning strap buckle  
(breaking strength of the webbing only : 3.2 tons) - Complying with EN 12195-2 standard  

Standard total length of the system : 5 m  

TECHNICAL FEATURES  
- Marking  
- Customized length upon request  
- Polyester  
- Traceability  
- EAN13 bar code labelling  
- Colours : Black, Blue, Orange, Red, Yellow, White, Green  

ADVICE: Prior to the use of your lashing systems, carefully check their condition.
**LASHING SYSTEMS - LC 400 daN - 1.2 tons**

**LEISURE ACTIVITIES - TOURISM**

Webbing 25 mm width - Ratchet load binder or tensioning strap buckle

*breaking strength of the webbing only : 1.2 tons* - Complying with EN 12195-2 standard

**Colours :** Blue, Orange, Red, Green, Yellow

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**Ref : 803/…**

<table>
<thead>
<tr>
<th>Weight / 5 m</th>
<th>150 g</th>
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<td>25 g</td>
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**LC : 125 daN**

**Ref : 803/1017**

<table>
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<tr>
<th>Weight / 5 m</th>
<th>450 g</th>
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<tr>
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**Ref : 803/1202**

<table>
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<tr>
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<tr>
<td>Weight / m +</td>
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**Ref : 906/…**

**Ref : 906/1**

<table>
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<tr>
<td>Weight / m +</td>
<td>25 g</td>
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**Ref : 906/1002**

<table>
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<tr>
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<th>440 g</th>
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</thead>
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<tr>
<td>Weight / m +</td>
<td>25 g</td>
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**Ref : 906/1017**

<table>
<thead>
<tr>
<th>Weight / 5 m</th>
<th>610 g</th>
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**Ref : 906/1202**

<table>
<thead>
<tr>
<th>Weight / 5 m</th>
<th>490 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / m +</td>
<td>25 g</td>
</tr>
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**Ref : 909/…**

**Ref : 909/1**

<table>
<thead>
<tr>
<th>Weight / 5 m</th>
<th>515 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / m +</td>
<td>25 g</td>
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**Ref : 909/1002**

<table>
<thead>
<tr>
<th>Weight / 5 m</th>
<th>620 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / m +</td>
<td>25 g</td>
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</table>

**Ref : 909/1017**

<table>
<thead>
<tr>
<th>Weight / 5 m</th>
<th>790 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight / m +</td>
<td>25 g</td>
</tr>
</tbody>
</table>

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Plastic coated hooks avoid all the risks of scratching.

A standardized lashing system is a safe lashing system.

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*Standard total length of the system : 5 m*
Lashing systems

STAINLESS STEEL LASHING SYSTEMS FOR YACHTING ACTIVITIES

Webbing 50, 35 and 25 mm width - Standard lengths : 9 and 5 meters
Complying with EN 12195-2 standard

Ref : 811PPI-1006I
Width 50 mm
Weight / 2,3 m 2 668 g
Weight / m + 110 g
LC : 1 500 daN

Ref : 917I-1004I
Width 35 mm
Weight / 2,3 m 1 823 g
Weight / m + 85 g
LC : 900 daN

Ref : 906I-1002I
Width 25 mm
Weight / 2,3 m 1 020 g
Weight / m + 41 g
LC : 400 daN

Standard total length of the system : 5 m

LASHING SYSTEMS FOR CARS
CAR AND TRUCK TIE DOWN ON FLAT BED TRAILER

Webbing 50 and 35 mm width - Standard lengths : 2.30 and 2.50 meters - Complying with EN 12195-2 standard

Ref : 811PP/3 1006M
Width 50 mm
Weight / 2,3 m 2 600 g
Weight / m + 110 g

Ref : 908/2 1014/1J
Width 35 mm
Weight / 2,3 m 1 823 g
Weight / m + 85 g

Ref : 908/3J
Width 25 mm
Weight / 5 m 1 020 g
Weight / m + 85 g

Ref : 811PP/3 1006M
Width 50 mm
Weight / 2,3 m 2 668 g
Weight / m + 110 g

Ref : 917I-1004I
Width 35 mm
Weight / 2,3 m 1 823 g
Weight / m + 85 g

Ref : 906I-1002I
Width 25 mm
Weight / 2,3 m 1 020 g
Weight / m + 41 g
LC : 900 daN

Ref : 811PPI-1006I
Width 50 mm
Weight / 2,3 m 2 668 g
Weight / m + 110 g
LC : 1 500 daN

Ref : 910/2 1014/1J
Length 50 mm
Weight / 2,3 m 2 658 g
Weight / m + 110 g

Ref : 910/3J
Length 50 mm
Weight / 2,3 m 2 618 g
Weight / m + 110 g

Ref : 910/3 1006
Width 50 mm
Weight / 2,3 m 2 630 g
Weight / m + 110 g

Ref : 908/2 1014/1J
Width 35 mm
Weight / 2,3 m 1 823 g
Weight / m + 85 g

Ref : 908/3J
Width 25 mm
Weight / 5 m 1 020 g
Weight / m + 85 g

Standard total length of the system : 2,30 m

TELESCOPIC BARS

Adjustable system from 2.15 to 2.70 meters to secure the loads inside trucks fitted with specific cargo control tracks.

Ref : 1811
Length 2.21 to 2.59 m
Weight 7 500 g

CARGO CONTROL TRACKS AND LASHING END FITTINGS

Cargo control tracks used to support telescopic bars and the inner lashing systems fitted with hooks 1005 and 1827.

Ref : 1806
Length 3 m
Thickness 2 mm
Weight 5 000 g

Ref : 1005
End tracks protection for 3009 and 1806.

Universal cargo control tracks, to be used with the hooks 1826.

Ref : 3009
Length 3 m
Thickness 2 mm
Weight 6 400 g

Ref : 1826

INFORMATION : As well as our entire product range, we propose custom-designed lashing systems.

Cargo control tracks used to support telescopic bars and the inner lashing systems fitted with hooks 1005 and 1827.

Ref : 1806
Length 3 m
Thickness 2 mm
Weight 5 000 g

Ref : 1005
End tracks protection for 3009 and 1806.

Universal cargo control tracks, to be used with the hooks 1826.

Ref : 3009
Length 3 m
Thickness 2 mm
Weight 6 400 g

Ref : 1826

INFORMATION : As well as our entire product range, we propose custom-designed lashing systems.

Cargo control tracks used to support telescopic bars and the inner lashing systems fitted with hooks 1005 and 1827.

Ref : 1806
Length 3 m
Thickness 2 mm
Weight 5 000 g

Ref : 1005
End tracks protection for 3009 and 1806.
**KARGO KEEPER**

To be fixed between the walls in case cargo control tracks are not available, for securing your loads vertically or horizontally.

**Stainless steel version**

Please contact us.

- **Ref : 1867WS**
  - Weight: 5 700 g

In case cargo control tracks are not available, the tensioning mechanism fitted with a spring enables to secure the loads by adjusting the length of the kargo keeper and holding both walls of the vehicle. The standard length is appropriate for wagon whose inner width is ranging from 2.35 m and 2.70 meters.

**DECKING / SHORING BEAM AND BRACKETS**

For assembling additional loading platforms

- **Ref : 1839**
  - Weight/ m +: 9 500 g

Appropriate for wagon whose inner width ranges from 2.31 to 2.53 meters. Frame made of high grade aluminium.

- **Ref : 1845**
- **Ref : 1804**

**SHORE FOR TAUTLINER TRAILERS**

**ADJUSTABLE VERSION**

- **Ref : BSR 262**
  - Length: 2.42 à 2.62 m
  - Weight / m +: 7 700 g

We recommend the shore for tautliner trailers for the following reasons:

- Trailer loadings are more and more massive,
- Roads with roundabouts can increase the risks of damaging the goods,
- The goods can be strewn due to unloading by the side,
- Safety controls are more and more frequent regarding the securement of the goods.

Main advantages of the shore for tautliner trailers:

- Very easy to set up,
- Its whole body is in contact with the load,
- Made of aluminium, its weight is very light without compromising its resistance,
- Ideal for bundling the load,
- Adjustable clips for any board thickness,
- Two versions: fixed length (2.48m / 7.5kg) and adjustable length,
- Competitive solution.

Opposite pictures: fixed cargo bars for trucks