

# **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 :

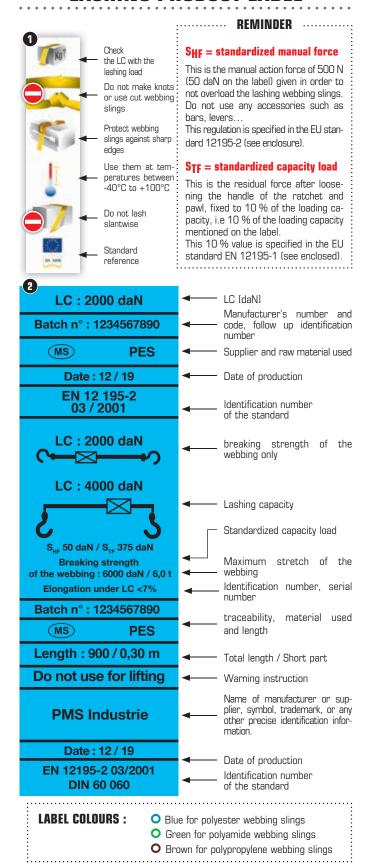
- $\blacktriangleright$  the type of lashing device represented with its reference :
  - ▶ One part system (endless),
- ▶ Reference of type, according to the manufacturer,
- ▶ Working Load Limit (WLL) in daN,
- ▶ Length of the short part in meters,
- ▶ Total length (L) in meters,
- ▶ Reference to this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

### **LASHING PRODUCT LABEL**



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Lashing systems operation instructions available on request and at www.pms-ind.com



## Which load capacity (LC) for which lashing systems?

Direct tension (daN)	Webbing width (mm)	LC of the system (daN)	Doubled tension	Breaking strength of the webbing only (daN)	Standard length (m)
LC 5 000 daN	75	5 000	10 000	15 000	9,10
LC 3 500 daN	75	3 500	7 000	11 000	9, 10
LC 2 500 daN	50	2 500	5 000	7 500	8, 9, 10
LC 2 000 daN	50	2 000	4 000	6 000	8, 9, 10
LC 800 daN	45	800	1 600	3 000	4, 5, 6
LC 1000 daN	35	1000	2 000	3 200	6, 7
LC 400 daN	25	400	800	1 200	4, 5, 6

A lashing system is made of a webbing sewed and metallic parts. A lashing strap refers only to the strap itself so not sewn.

### **≥** Lashing in complete safety

