

**Luftman®**  
**Safe, simple and secure.**



**ExTe**

Securing cargo. We invented the concept.

**Simple, practical and well thought out for safely transporting round and sawn timber.**



#### **Meets high demands**

Luftman is designed for transporting round timber and sawn timber safely. Automatic post-tensioning holds the timber in position even when the load settles during transport. Each tensioner is tested and we guarantee that they meet or exceed legal requirements.

#### **Tensions when necessary**

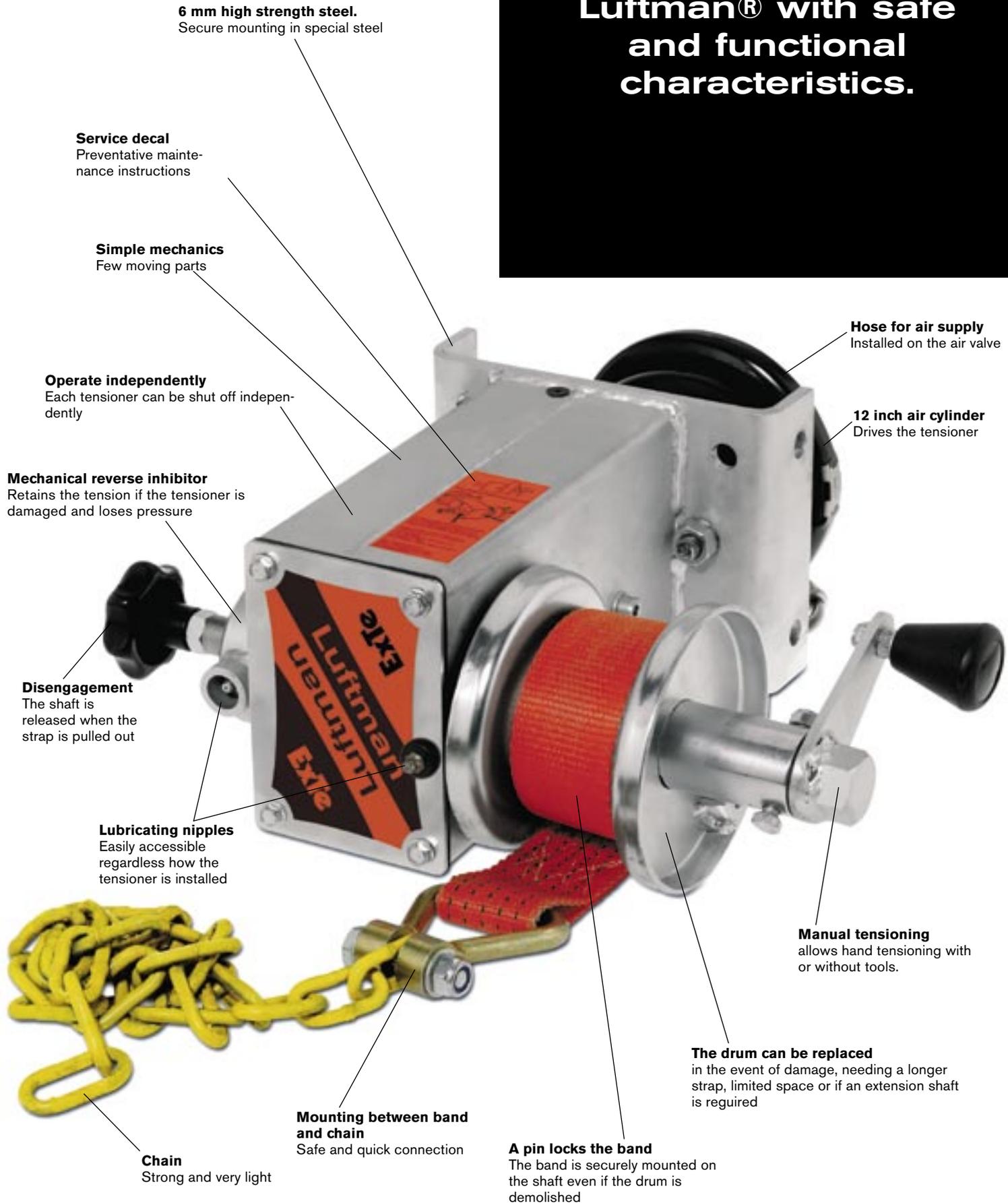
Each tensioner is tested to at least 400 kg. In addition, Luftman has unlimited post tensioning for increased safety. The neat Luftman tensioner weighs 14.5 kg.

#### **Simple and reliable**

Luftman has few moving internal parts and is operationally very reliable. The tensioner is easy to service, but like all the other mechanical components on your rig, it must be properly maintained. The drum can be replaced with different sizes using basic tools.



# We have loaded Luftman® with safe and functional characteristics.



**6 mm high strength steel.**  
Secure mounting in special steel

**Service decal**  
Preventative maintenance instructions

**Simple mechanics**  
Few moving parts

**Operate independently**  
Each tensioner can be shut off independently

**Mechanical reverse inhibitor**  
Retains the tension if the tensioner is damaged and loses pressure

**Disengagement**  
The shaft is released when the strap is pulled out

**Lubricating nipples**  
Easily accessible regardless how the tensioner is installed

**Chain**  
Strong and very light

**Mounting between band and chain**  
Safe and quick connection

**A pin locks the band**  
The band is securely mounted on the shaft even if the drum is demolished

**Hose for air supply**  
Installed on the air valve

**12 inch air cylinder**  
Drives the tensioner

**Manual tensioning**  
allows hand tensioning with or without tools.

**The drum can be replaced**  
in the event of damage, needing a longer strap, limited space or if an extension shaft is required

1 ▶

Luftman's mechanical ratchet is easily released by hand. The strap on the drum can now be pulled out and placed over the stack.



◀ 2

Strap or chain connected to the deployer, which is mounted on the bunk or frame.



3 ▶

When the strap is attached, any slack is wound in by the tensioner.



4 ▶

When all the stacks are lashed the air valve is opened. The strap is tensioned and automatic post-tensioning starts to operate.



◀ 5

Make a habit of always checking the lashing to ensure that nothing has become slack.

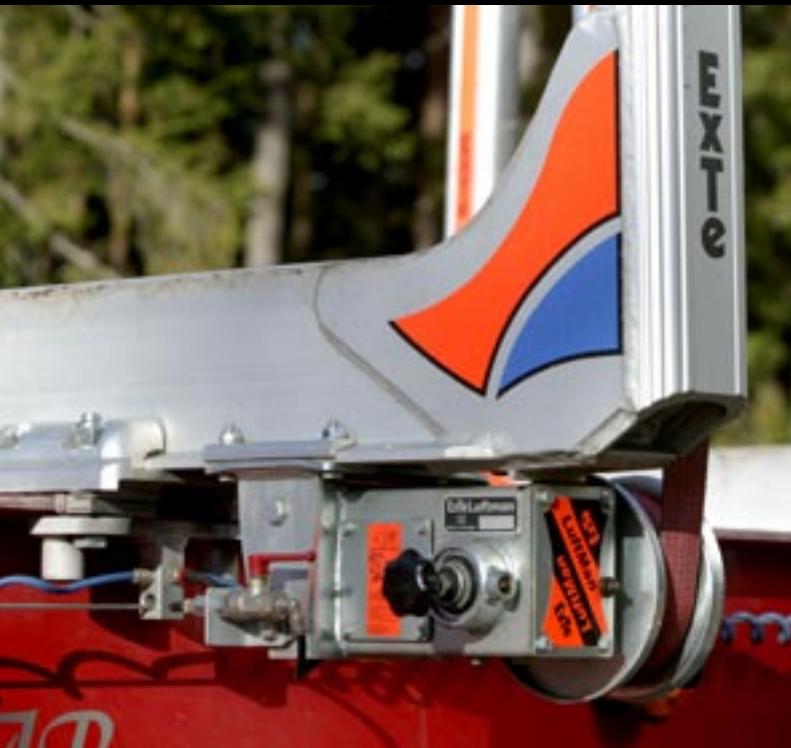


6 ▶

When releasing, the lashing is released from the locking jam. Now you only need to hang the hook and the strap up again.



**Flexible and easy installation.**



#### **Uncomplicated installation**

Luftman requires minimal space and is easy to install either on the outside of the frame or directly onto the bunk. The function and safety of the tensioner is not effected by where it is installed.

#### **Installing on the bunk.**

More and more frequently Luftman tensioners are mounted directly on the underside of the bunk using a special mounting. Different mountings are used depending on whether the tensioner is installed on a steel or an aluminium bunk.

#### **Installing on the frame.**

The Luftman tensioner is frame mounted on truck or trailer chassis using bolted joints. The specially designed mountings are available in different lengths. It is possible to select how far from the frame the tensioner is to be located.



# Technical details

Luftman.

## Mounting the tensioner on the frame

Standard mounting for installing with bolted joints on the truck or trailer.

## Mounting the tensioner on the frame

Special mounting that enables installation further out on the chassis.

## Bunk installation

Mounting for suspended installation under the bunk frame base. Must be supplemented with extra mountings for relevant type of bunk.

## Lashing strap

The tensioner can be supplied with a 10 m strap or a combination of strap and chain.

## Drum choice

The tensioner can easily be supplied with a large or small drum.

## Important maintenance

Always check the mountings and bolted joints of the tensioner and deployer at intervals after installation.

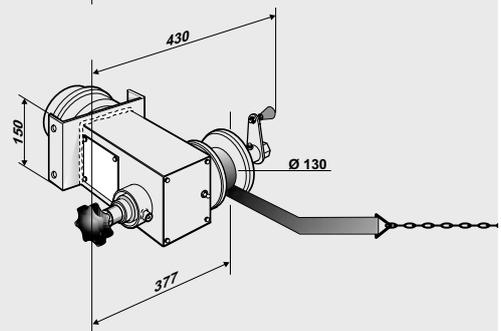
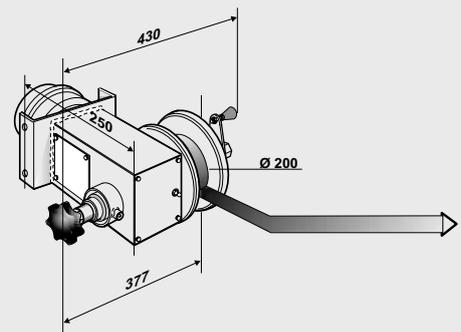
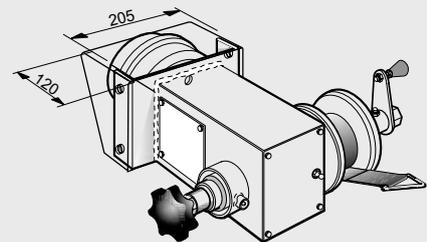
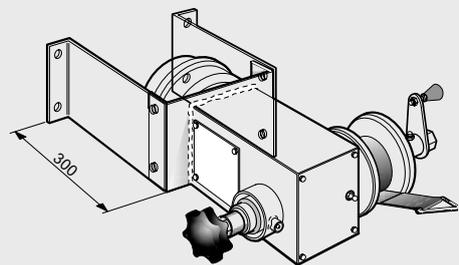
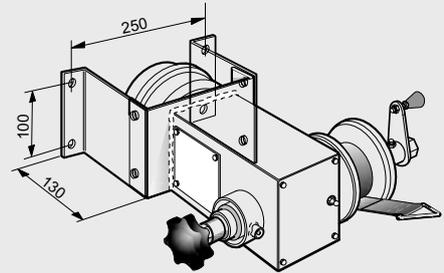
Thoroughly check the strap for wear and damage.

Lubricate the tensioner at vehicle lubrication intervals. Only two pumps to prevent cracking the shaft seals.

The grease must withstand both intense heat and extreme cold. Therefore, only use special grease recommended by ExTe.

Clean the filter insert in the cable filter on the truck and release annually, during Autumn.

Ensure that the drain hole for the tensioner housing is open so that any water or condensation does not accumulate inside the tensioner.



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