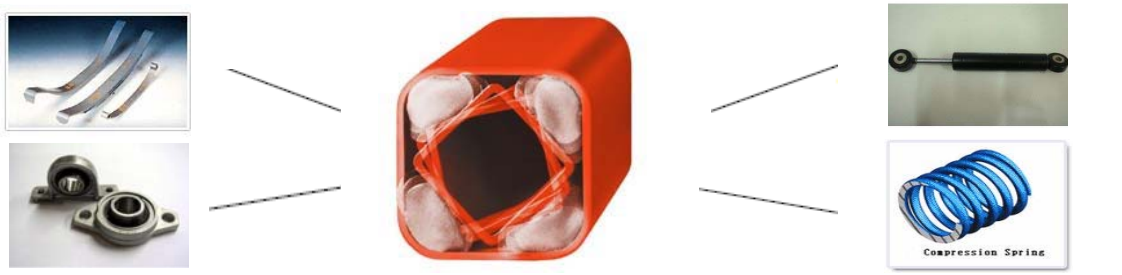
LAUTEC Rubber Suspension System

LAUTEC Rubber Suspension elements in place in a variety of applications has been designed to be useful. In other words, within the structure of one push, pull, tension springs which, damping, bearing function is made to occur at once. Frame inside to the outside of the outside of the left internal Frame, crossed each other in the corner of the bar, put four rubber spring release feature enabled. Rubber inserts are inserted effectively absorb shock and vibration characteristics of the structure is has.

LAUTEC not have the contact between the metal element, a high abrasion resistance all kinds of industrial equipment and machinery, or sports, rides, such as electric wheelchairs can be utilized in all walks of life and absorb noise and vibration effectively, given the quiet and comfortable to hold surrounding environment and eliminates the need for separate maintenance. LAUTEC Rubber Suspension System sunlight, water, soil, dust, salt, oil, etc. are not affected. The unique structure of UNIT and the inserted rubber insert compressed or shear strength, stress does not occur. So LAUTEC other rubber products rubber insert element is much longer than the life span.

spring function

damping function



bearing function

tensioning function

Spring Function (Spring features)

Frame inside to the outside of the outside of the left internal Frame, crossed each other in the corner of the bar, put four rubber spring release enables functionality. Compared with other types of metal springs

- Metal spring and the amplitude of vibration and shock effects, but does not absorb. However, due to LAUTEC vibration rubber element is inserted. Nada superior shock absorption.
- Corrosion does not occur.
- Maintenance is not required.
- Oil resistance, chemical resistance, abrasion resistance, and durability have.

Damping Function (Control)

Elastomeric rubber element takes the dynamic loads by internal molecular friction damping is achieved. These features have a high intrinsic damping force with rubber suspension unit impact stop, dust-proof, can be used as a pivot bearing objects, the wavelength of the noise is completely blocked.

Bearing Function (Bearing function)

Vibrating screen, linear or circular vibrating vibrator campaign. The vibration of the regular ball bearings, needle bearings or sleeve bearings, and two vertices using the press on both sides of the Neutral Plus, the top is mounted on the bearing. But that is the same purpose as the pivot bearings feature you LAUTEC rubber suspension unit systems

1) No need for greas

2) do not have the friction of rubber and rubber wear does not occur.

As a result, eliminates the need for separate maintenance does not interfere with work.

Tensioning Device

Chain Tensioning

The roller chain to transmit power structure is very good.
However, the longer you wear around 1-3% of the total length of the elongation to occur
The need to keep the tension can deliver power efficiently. Joe tension
If you do not slack side of the chain longer and more and more entwined chain sprockets bouncing
Oh, the bigger the angle of turning chain does not transmit power effectively. The teeth of the sprocket out of the chain drive failed to further smooth the entire power transmission unit
Furthermore the hanging flap of the chain and sprocket wear is deep.
LAUTEC that these shortcomings of the automatic tension device. LAUTEC tension element
The relaxation of the chain hanging down the side street or the flap can prevent the noise as
You've got a wide range of tension, even if an increase in the chain the proper tension automatically
Gives maintains. LAUTEC LAUTEC tension element is made of a rubber spring principle
Was.

Pretensioning

LAUTEC initial tension element with tension device costs to the appropriate tension to the angle indicated on the arrows are matched. The initial tension generally in the range 20 ° -25 ° gives. Should be noted that the surface tension and the chain link in the chain to reduce the pressure in the early to give too much tension should be avoided.

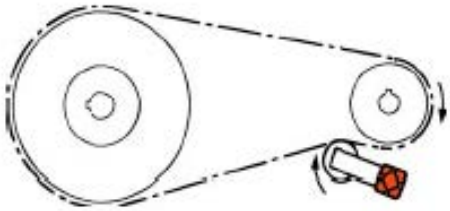
Vibration Damping

LAUTEC rubber tension spring element based on the structure of the production because the rubber insert in the internal molecular friction that occurs when powered by a chain to absorb vibration and noise.

Installation

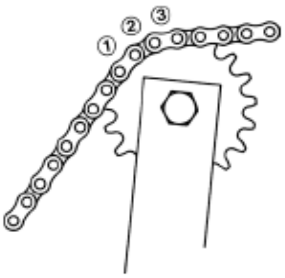
Sprocket and chain attached to the side of the rider set is connected to the lever. Arm to the mounting location where the two, with one "normal" and another one "hard" is. Where necessary and rider set is equipped with sprocket nut is fixed. Built-bearing sprocket sprocket is the chain moving along the track center should be able to find easily and quickly. Tensioner mounting surface is even and clean, hard surface increases the maximum torque of the frictional contact with a multiple of 30 ° also withstand the torque the bolt release is not fixed, on the other hand, if the surface is rough and rugged and corrosion-contact friction drops significantly. In this case, the notch should be attached to the fixed pin.

Mounting Instructions



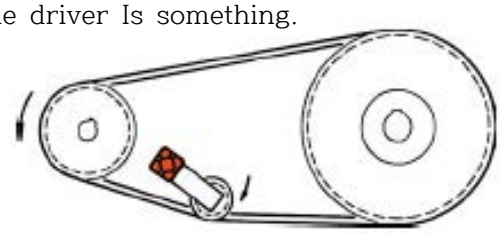
Normal Positioning

LAUTEC relaxation of the tension element is always on the side-mounted chain 3 Should be. As close as possible to the driving wheel and Bar Slide the side chain must be loaded kkat. Ideally, the chain tensioner arm is parallel to the driver Is something.



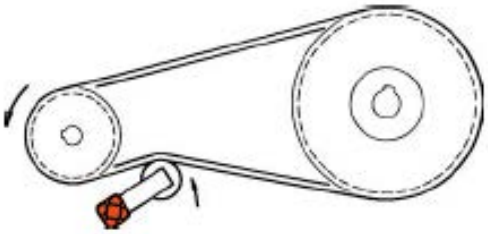
Chain Engagement

The first line of the chain tension on the teeth of the sprocket at least three
Roller chain should take the degree.



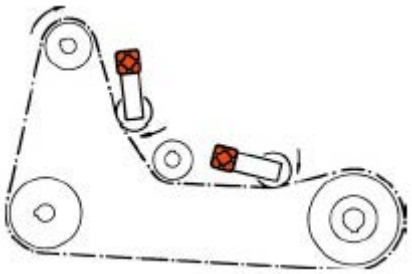
V-belt Tensioner- Inner Grooved Pulleys

Wheelbase is long and severe vibration roller is recommended to use than the V pulley.



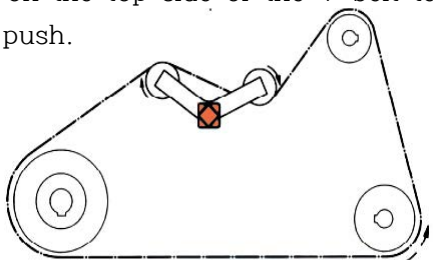
V-belt Tensioner- Outer Roller

The first line of the chain tension on the teeth of the sprocket at least three
Roller chain should take the degree.Replace the tensioner roller to relax the tension when you give up on the top side of the V-belt tension gives a push.



Mountings

Available chain tensioner arm to be parallel to the chain Should be located close to driving directions. If the chain Longer need to install multiple tensioner.



Application Field of the "Boomerang" TensionerT

Precautions : 1. Tensioner is installed on the side of the relaxation.
2. Sprocket chain tensioner, rollers, pulleys, etc. should not be installed in contact with each other in the driving direction. Installed in the direction shown by passing to be pushed up. Otherwise, machinery and equipment vibration and flicker are generated.