Lesjöfors is a global manufacturer and supplier with the market's widest range of springs, gas springs and strip components. Our success is the result of years of dedicated work and research into innovative problem solving across a range of major and diverse industries. Our experience, along with our unique skills, access to resources and focus on continuous development processes delivers high tech customized solutions for every need.

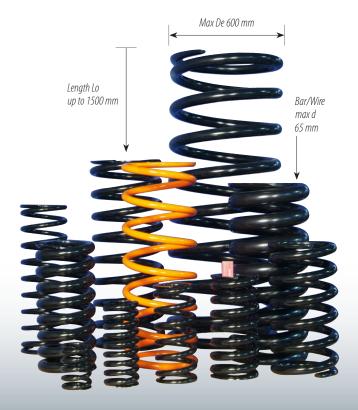




# **HEAVY COMPRESSION SPRINGS**

We manufacture compression springs to many different designs: Cylindrical, conical, convex or concave with closed, open, ground, underground and pig-tailed end coils. We design and manufacture springs according to customer requirements. Manufacturing is carried out to either cold or hot-coiled design.

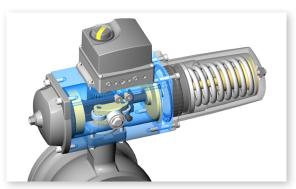
#### **Powerful springs in large sizes**



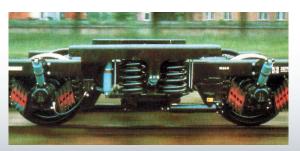
#### **Facts**

The main customers for Heavy Springs are in the following sectors:

- Railway industry
- Paper and pulp industry
- Oil industry
- Electric power industry
- Mining and construction



Springs from Lesjöfors in heavy duty valves.



Springs from Lesjöfors are used in bogies and braking systems for trains.





The hot coiled springs from Lesjöfors are made in Åminnefors in Finland and have wide usage areas from railway wagons to powerful safety ventilators in oil wells on the seabed and in subsea equipment.

The steel is delivered in wire/

bars up to 14 m length, the springs are coiled in hot condition, hardened, tempered and inspected as well as surface treated according to customer preferences.

#### **Facts**

Lesjöfors is one of few spring manufacturers of hot coiled springs in Europe. Our customers of these massive and strong compression springs made in materials dimensions ranging from 5 to 350 kg and rod up to 65 mm are used in industry sectors, pape and pulp industry but also offshore, automation and infrastructure.

### **Comfort and safety**



Lesjöfors supplies suspension springs for trains, springs for breaking systems, and stabiliser bars to train manufacturers and brake equipment producers all over the world.

Lesjöfors is the only manufacturer of hot coiled compression springs

in the Nordic area. Lesjöfors hot coils compression springs up to 65mm bar/wire.



## **Spring Technology**



The performance of your spring is crucial for the function of your application. To determine the products performance, Lesjöfors makes calculations and simulations that later are verified through measuring and testing. We have the capacity to calculate measure and test all

types of springs, from very small to several hundred kilo heavy coil springs.





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