



LESJÖFORS

SPRINGS & PRESSINGS



HEAVY COMPRESSION SPRINGS

Zur Lesjöfors-Gruppe gehören auch



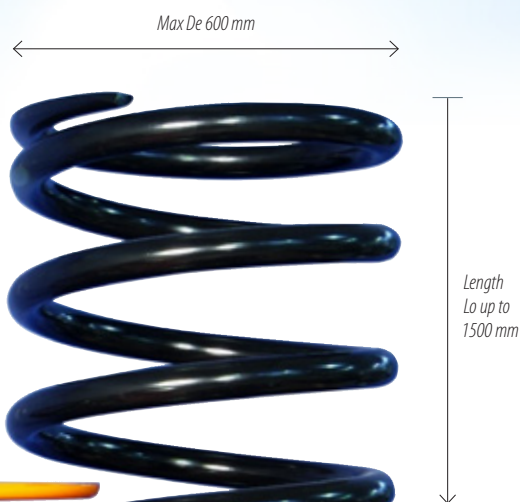
Springs, it's in our DNA...

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.

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

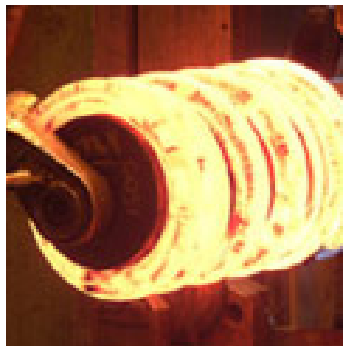
- » *Railway Industry*
- » *Paper and Pulp Industry*
- » *Oil Industry*
- » *Electric Power Industry*
- » *Mining and Construction*



Bar/Wire
max d
65 mm

Powerful springs in large sizes

The hot coiled springs from European Springs & Pressings / 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, paper and pulp industry but also offshore, automation and infrastructure.

Comfort and safety

Lesjöfors supplies suspension springs for trains, springs for braking 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.



SUPER ALLOYS

HIGH PERFORMANCE SPRINGS

Inconel, Nimonic, Hastelloy, Elgiloy, MP35N, High-tech Calculations

Extreme environments demand extreme materials

Lesjöfors specializes in the development and manufacture of springs used in demanding environments with high or low temperatures and aggressive conditions, applications include:

- Oil and gas exploitation
- Heating processes
- Marine environments
- Space and aircraft industry
- Power production
- Chemical processes
- Petrochemical industry

In these difficult areas, unique materials, the so called super alloys, are needed. They are often nickel or cobalt alloys. For selection of the best material, knowledge and experience of these materials is crucial. Lesjöfors are able to advise the suitable material options based on the application and environment, design the spring and produce to order.



Expertise in super alloy springs

Lesjöfors has long experience, technical calculation skills and production capacity in the area and keeps a wide range of stock of the super alloys in wire, strip and sheet form, suitable for most types of spring, allowing us to offer short delivery times.

Examples of product areas are:

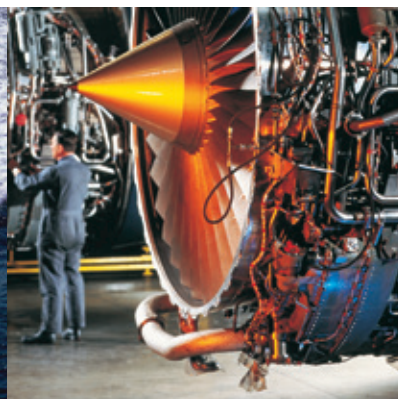
- » Disc springs and washers, material dimensions up to of 20 mm
- » Compression springs, wire dimensions up to 25 mm
- » Torsion springs, dimensions up to 25 mm
- » Tension springs, dimensions up to 25 mm
- » Leaf springs, material dimensions up to of 10 mm.

The following alloys are kept in stock:

Inconel X-750®1
Inconel 718®1
Nimonic 90®1
Hastelloy C-276®2
MP 35N®3
AISI 316
Elgiloy®4

In addition to these, a number of other alloys are orderable.

You are welcome to contact us for further information and advice for your specific application.



IN CONSTANT MOTION

The Lesjöfors group is continuously improving. In close cooperation with our customers we constantly evolve. As their leading spring supplier our globally recognised customers challenge us to extend the boundaries of our

technical expertise everyday.

By moving forward area by area and by setting in stone action plans our ultimate objective is to provide an unrivalled service for all our customers.

“Quality and environmental considerations are essential in all Lesjöfors business”



Quality

Our management systems are third party approved according to ISO 9001. Some subsidiaries are also third party approved according to TS 16949, which is a quality standard requirement for automotive industry suppliers. Our management systems are designed to satisfy the customer's product demands and expectations on the supplier partner.

Environment

Lesjöfors and all its subsidiaries fulfil the laws and regulations from the authorities. The environmental focus is to work constantly to eliminate any impact on the environment. Consequently, we have been third party approved for a number of years to the environmental standards in ISO 14001. The environmental control and improvement are part of our management systems and designed to identify significant environmental considerations, evaluate the situation and define environmental goals and to take actions.

GEOGRAPHIC PRESENCE

Two business areas

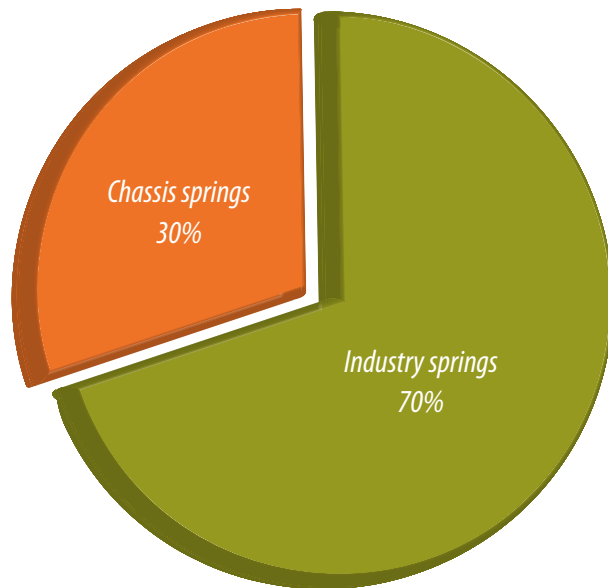
Industry

Standard & customized springs, Gas springs, - Pressings and flat strip components.

Chassis springs

Aftermarket for passenger cars and light trucks.

Share of invoicing »

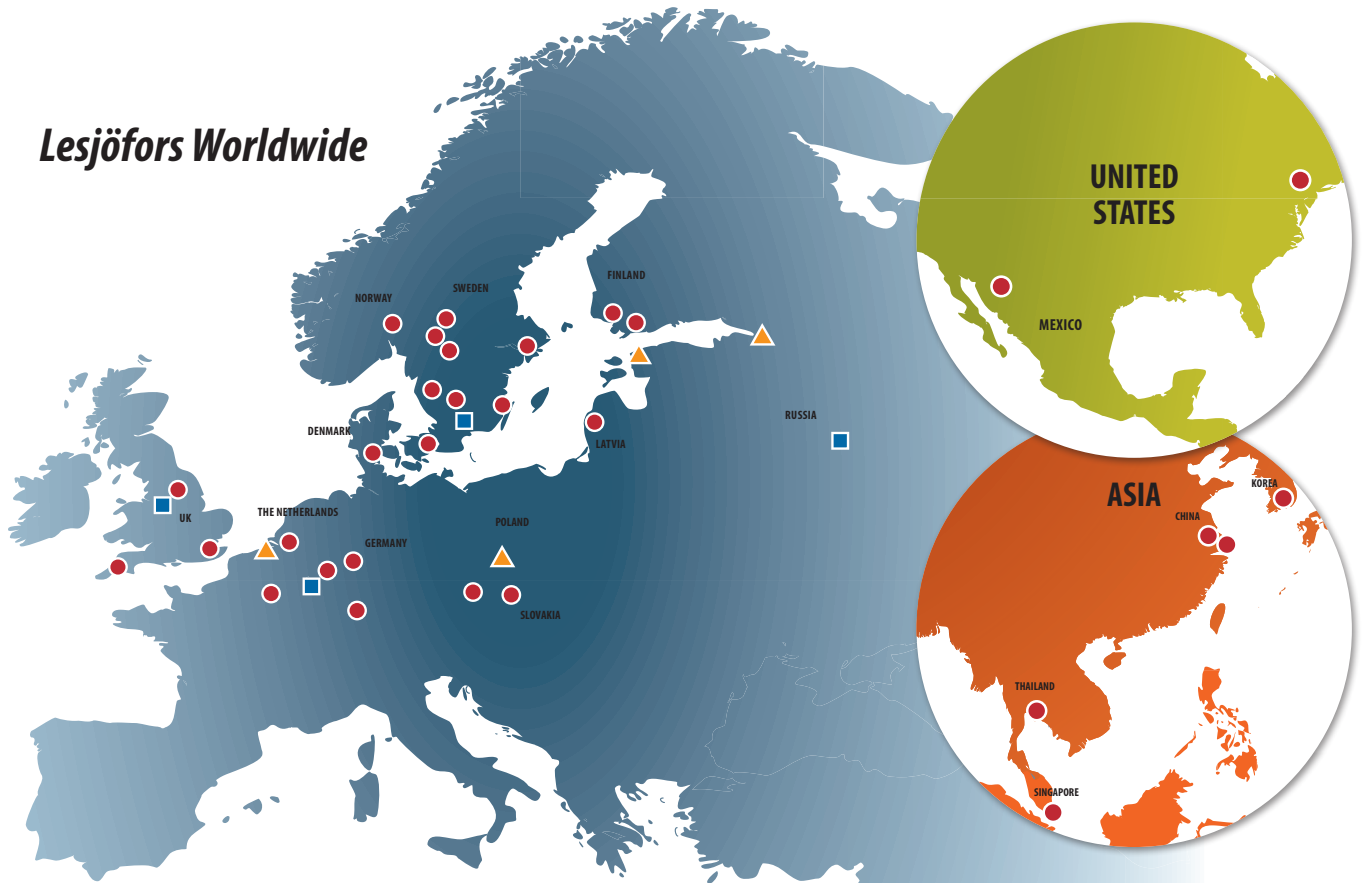


CUSTOMERS WORLDWIDE



What can we do for you?

Lesjöfors Worldwide



● Lesjöfors industrial products sales ■ Lesjöfors Automotive aftermarket products sales ▲ Distributor Lesjöfors industrial products

SWEDEN

Lesjöfors Sales
Stockholm
Tel +46 8 445 88 88
info.vby@lesjoforsab.com

DENMARK

Lesjöfors A/S
København
Tel +45 4695 6100
info.bb@lesjoforsab.com

GREAT BRITAIN

Lesjöfors Springs LTD
Elland,
Tel +44 142 2377 335
info.ell@lesjoforsab.com

GERMANY

Lesjöfors Industrial Springs & Pressings GmbH
Hagen
Tel: +49 2334 501722
info.hag@lesjoforsab.com

THE NETHERLANDS

Lesjöfors Netherlands
Borne
Tel +3174 267 3180
info.nl@lesjoforsab.com

SWEDEN

Stece Fjädrar
Mönsterås
Tel +46 499 160 00
info@stecefjadrar.com

DENMARK

High Volume Compression Springs
Lesjöfors AS Tinglev
Tel +45 7334 6100
info.tlv@lesjoforsab.com

GREAT BRITAIN

European Springs & Pressings LTD
London
Tel +44 2086 631 800
info.bec@lesjoforsab.com

GERMANY

Velleuer GmbH & CO KG
Düsseldorf – Velbert
Tel +49 2051 2900
info@velleuer.de

SLOVAKIA

Centrum B s.r.o.
Myjava
Tel +421 34 621 2975
centrumb@centrumb.sk

NORWAY

Lesjöfors AS
Oslo
Tel +47 22 90 57 00
info.ske@lesjoforsab.com

FINLAND

Lesjöfors Springs OY
Åbo
Tel +358 2276 1400
info.abo@lesjoforsab.com

LATVIA

Lesjöfors Springs LV
Liepaja
Tel +371 340 1840
info.lep@lesjoforsab.com

GERMANY

Stumpp+Schüle GmbH
Stuttgart - Beuren
Tel +49 7025 1300
info@stumpp-schuele.de

SINGAPORE

John While Solutions (S) Pte Ltd
Singapore
Tel: +65 67490748
med-tech@jwsprings.com

UNITED STATES

MEXICO

ASIA

CHINA

THAILAND

SINGAPORE

KOREA

FINLAND

Contact Hot Coiled Springs
Oy Lesjöfors AB, Åminnefors
Tel +358 19 2766 200
info.ami@lesjoforsab.com

CHINA

Lesjöfors China Ltd
Changzhou
Tel +86-519 8511 8610
info.cz@lesjoforsab.com

GERMANY

S&P Federwerk GmbH & Co.
Neunkirchen - Herdorf
Tel +49 27 44 92 33-0
info@federwerk.com

USA – MEXICO

Lesjöfors Springs America Inc
Scranton (US) – Nogales (Mexico)
Tel +1 570 585 7730
Info.us@lesjoforsab.com

AFTERMARKET DIVISION

Lesjöfors Automotive AB
Germany - UK - Russia - Sweden
Tel +46 470 70 72 80
info.auto@lesjoforsab.com

LESJÖFORS
SPRINGS & PRESSINGS

The Lesjöfors Group also includes

EUROPEAN
SPRINGS & PRESSINGS

STECE
FJÄDRAR AB

VELLEUER
GMBH & CO KG

Stumpp+Schüle
GMBH

S&P
FEDERWERK

CENTRUM B
S.R.O.

John While Solutions
A Passion for Solutions