



White paper

This is how you measure a compression spring

The dimensions are extremely important
for the life expectancy of the spring

**Our vision is that everyone should understand that
springs move the world**

For over eighty years, we at EWES have created springs for various purposes and products. We have never abandoned our Swedish heritage, instead we have

chosen to export a unique spirit. We sincerely and curiously deliver solutions that constantly prove a genuine knowledge of spring technology.



BASIC INFORMATION

In order for the spring's dimensions and force/load to be correct, it's important to measure correctly.

We can help you with everything from measuring, calculating the force of the spring and what kind of spring steel is suitable for your spring.

We are happy to assist you.

www.ewes.se/en/contact/contact/

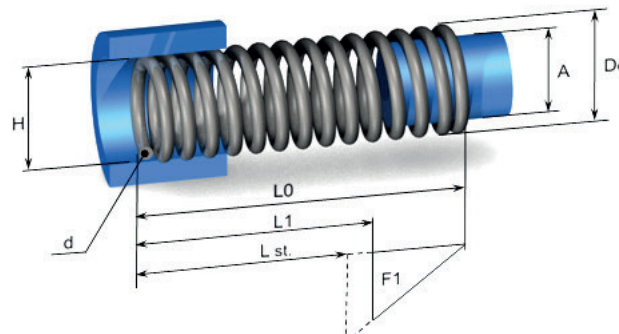
» Engineering department

DID YOU KNOW...

In EWES' spring configurator, you can see facts/measurements/force in our standard assortment of compression springs and other spring types.



<https://bit.ly/fjaderkonfigurator>



THIS IS HOW YOU MEASURE A COMPRESSION SPRING

1

Measure the diameter of the spring wire, marked 'd' in the drawing.

2

Measure the external diameter of the spring according to 'De' in the drawing.

3

Measure the unloaded length of the spring, indicated in the drawing as 'L0'.

4

Count the number of turns on the spring wire. In the drawing example, there are 14 turns.

5

If you know the loaded length, we can calculate the force of the spring. Loaded length is indicated 'L1' in the drawing.

6

Ready!
Would you like to get an estimated lifespan of the spring? Contact EWES Engineering department.

The more measurements, the better. Should you lack knowledge or time, it can be of use to know that the external diameter of the spring and the desired force can be enough information. From this data we can create a spring.