

HALLTECH Telescopic Springs – Technical Information

Our Telescopic Springs have found a multitude of uses. Their primary application is in machine tools.

Material:

Standard Telescopic Springs are made of very hard spring steel strip (55-58 Rockwell) with rounded-off edges, a strength of up to 1800 N/m² and a thickness of 0.2 to 1.0 mm.

Mounting position:

HALLTECH Telescopic Springs are wound differently for different mounting positions (horizontal or vertical), their extension (L_{max} horizontal or L_{max} vertical) depending on size. Please select the desired spring from our catalog and be sure to specify in your order whether you want H or V, so that we will make the right type of spring.

Quality assurance:

Decisive factors for judging the quality of telescopic springs is their smoothness of motion and minimum space between overlapping coils. From a certain size, each spring is machine-tested for its running quality.

Stainless springs:

Telescopic Springs regularly exposed to coolant with high water content should be of the stainless type. These have lower spring force and cannot be made in all sizes. We therefore invite your inquiry as to whether the desired spring is available in a stainless version.

Alternative:

Telescope Springs love oil, but they hate (grinding) dust and scratching particles that might find their way to the space between coils. For use in these environments we recommend Bellows. Please inquire.

Maintenance:

The springs are maintenance-free. Depending on the degree of soiling, we recommend daily or weekly cleaning, followed by the application of a thin film of oil. Special oil spray can be supplied by us. Telescopic Springs should NEVER be greased!