



Whenever a single compression, tension and helical disk spring alone does not meet the requirements, we individually design spring combinations and spring sets for our customers. By this means, we achieve significant successes regarding spring loads, operational safety, durability and installation length.

Combination spring sets consisting of round wire, flat strap-springs and/or helical disc springs are designed to obtain maximum power and the highest possible service life in compact spaces.

Advantages and characteristics: very high spring force even in small areas, up to 20% higher efficiency due to high tech materials, inner spring can take over the function of a guide shaft, high resistance to harsh environments and temperature variations, simple to install, functional even with a break in the spring. With the Roehrs flat strap-spring set, it is possible to achieve double the service life of a common disc spring. Roehrs combination springs have been used for demanding applications from satellites and ski lifts.

Example spring application: with a spring set with a 66.5 mm diameter and 156.5 mm length, a useable force of about 100 kN (22,480 lbs) is available!

The essential advantages at a glance:

- Increase of spring loads by 25- 30 % or installation length reduction by 25- 30 %
- Flat characteristics at high spring loads
- Significant increase of durability
- High operational safety
- Minimization of abrasion of surrounding components
- Applications as round wire spring set, tension spring set, helical disk spring set or combinations thereof
- Simple, cost-saving assembly
- Functionality even in case of breakage

TAC Rockford Product Line

Machine Tool Gauges, Tool Changer Alignment, Runout Test Arbors, Workholding Systems, Tool Holders, Adapters and Extensions, Tool Holder Blanks, Machine Tool Accessories, Coolant Tubes and Gauges, Heat Shrink Systems, Rapid Prototyping

Tool Holders



Gauges



Accessories



Rapid Prototyping

