

Installation / Disassembling



Assembly and disassembly instructions for Friction Springs RINGFEDER®

Lubrication

An essential factor for long service life is sufficient and proper lubrication of the springs. All Friction Springs are supplied in greased condition - ready to be installed. Loose rings are oiled. They must be cleaned and then greased with RINGFEDER special grease on all surfaces prior to installing. It is necessary for all springs that any excess grease be allowed to escape (i.e. through a groove in the thrust piece).

Assembly

If the Friction Spring RINGFEDER® is not designed into a spring cartridge, the spring is best mounted in the vertical position. Mounting of particularly long springs is facilitated by guiding on a bolt or tube during aligning and pretensioning. When we supply already tested springs, the spring column must not be disassembled, nor the ring order be changed, so that the integrity of the test diagram remains intact.

Maintenance

Normally during operation, regreasing of the springs is not necessary. Regreasing the spring could even result in a failure of the spring when using lubricants other than specified by Ringfeder. If by design it is impossible to avoid impurities contaminating the lubricant, appropriate maintenance intervals must be provided. During these maintenance intervals the rings should be inspected and damaged rings should be exchanged.

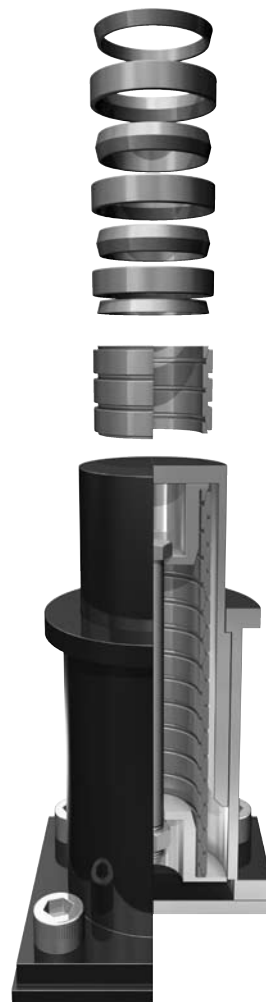
Disassembly

To prevent accidents during disassembly, care must be taken that all rings expand evenly. Rings in spring cartridges without pretension components must only be transported and stored when protected in a casing. To prevent jammed rings from being forced apart explosively by the stored energy (CAUTION, DANGER!), they can only be released within a safety enclosure by hitting the rings with a hammer stroke, after the rings have been carefully tied up with a strong rope. Jammed rings in spring cartridges with pretension components in

position must also be released using a hammer within a safety enclosure before disassembly can be started.

Cleaning of the Rings

All residue of dirt and grease must be removed from the rings. Actual cleaning may be carried out in any grease solvent clear of impurities. Optimum spring life can only be obtained with rings showing a bright metallic surface. Rusty rings or rings with a black coating can only be cleaned by sandblasting. Any rings showing axial scoring marks must be scrapped and replaced by new rings! Cleaning and checking can, of course, also be carried out by RINGFEDER technical staff. Cleaned rings must subsequently be regreased with RINGFEDER SPECIAL GREASE.





Weitere technische Hinweise befinden sich im jeweiligen Katalog.

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Check out the respective catalogue for further technical details

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