

Elastomer springs



Elastomer springs made from rubber or plastic are distinguished by their high operational safety and long life times. The preferred application fields are medium and industrial tool making, where they serve as cushioning for scrapers and wedge-type gate valves, as well as supports for tool upper parts.

Elastomer springs must be guided with the aid of guide pins. These determine the position of the springs and prevent lateral buckling. Elastomer springs can also be used as individual springs as well as stacked spring units. When stacking, guide pins and metallic discs are required.

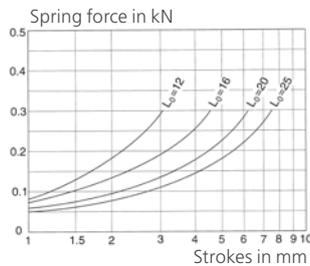
Rubber springs

The material is high-quality chloroprene elastomer (CR) with a hardness value of 70 ± 3 Shore-A. It is distinguished by its

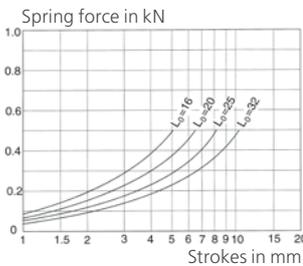
high level of elasticity and resistance to breakage, as well as its good resistance to oil.

Force path diagrams for rubber springs

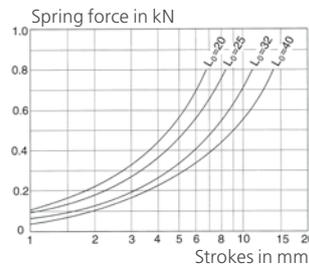
D_a 16



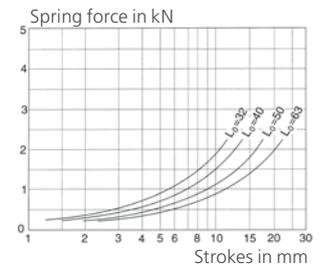
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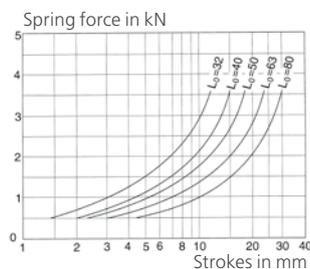
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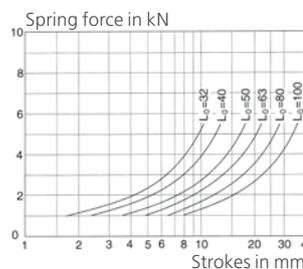
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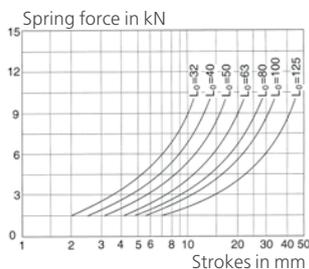
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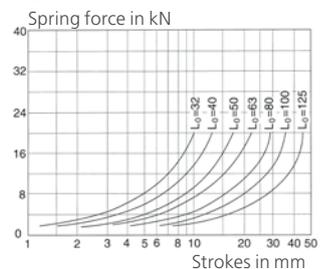
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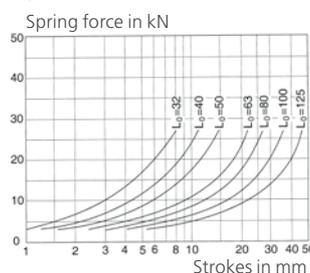
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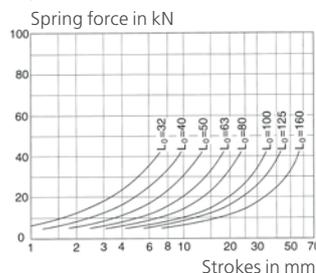
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D_a 100



D_a 125



Elastomer springs

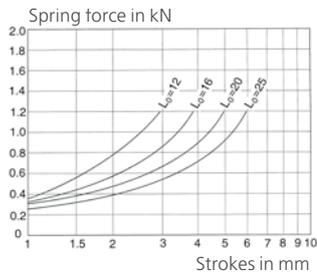
Elastomer springs

This material is a high-quality polyurethane elastomer (PUR) with a hardness value of 90 ± 5 Shore-A. It is distinguished by its imperviousness to chemical and mechanical influences. At

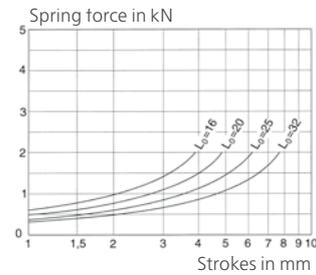
the same sizes, elastomer springs have a greater spring force than rubber springs. They are ideally suitable for use wherever high forces are required for small dimensions.

Force path diagrams for elastomer springs

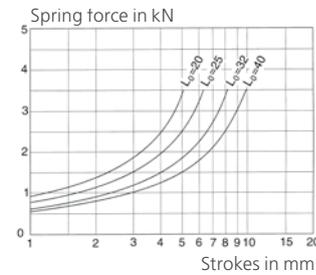
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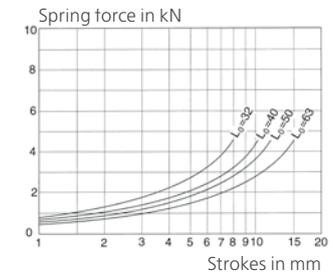
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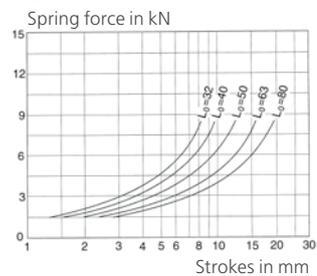
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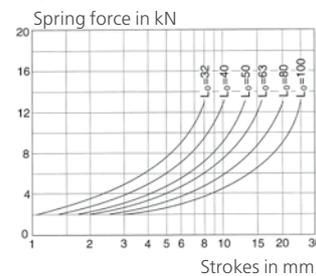
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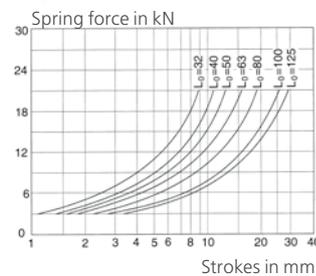
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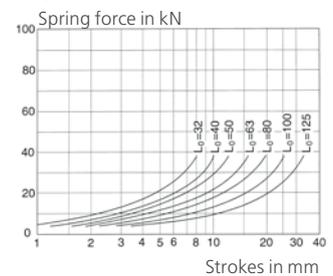
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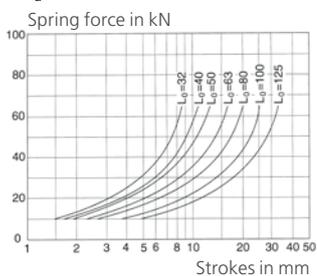
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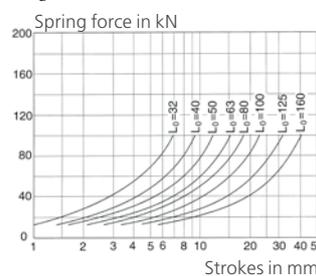
D_a 80



D_a 100



D_a 125



In addition to their usual round design, elastomer springs are also available as rectangular rods or plate material. Mechanical reworking tasks such as water jet cutting, turning, drilling and milling can be carried out without any problems.