Shock Absorber Springs

Our Product Introduction

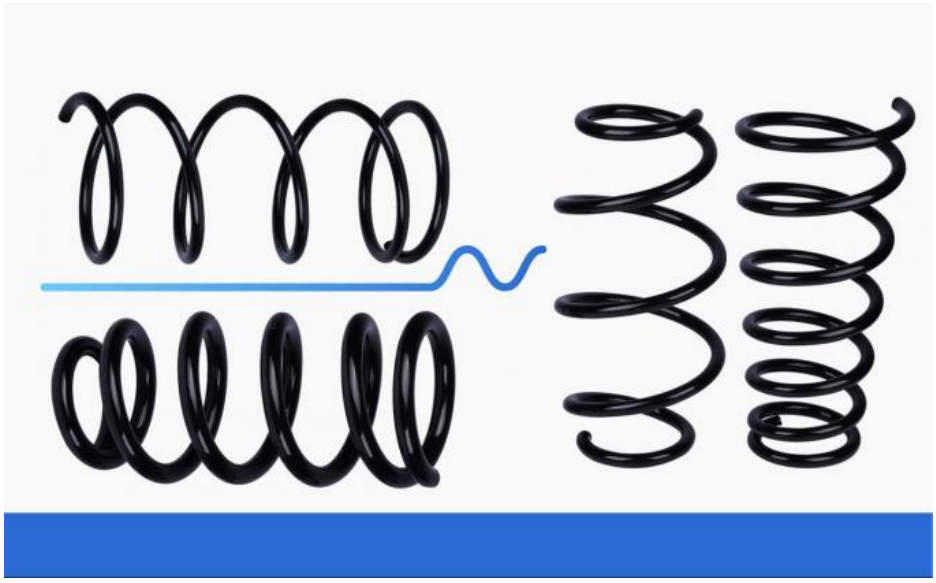
Basic Information

- Price: Negotiation

Product Specification

Shock absorber springs

Shock absorber springs act as the most traditional elastic element in the automobile suspension system, which is extensively used because of its high reliability, simple structure, short manufacturing process, low cost and its considerably simplified structure.



Product Description

1. Material of shock absorber springs: 55CrSiA and 60Si2mnA oil quenched steel wires are used, featuring fatigue resistance, high temperature resistance and superior toughness.

2. Material shape: rounded corners and rounded edges, developed by Japanese engineers with over a decade of experience, significantly enhancing the service life of the shock absorber springs.

3. High-pressure treatment: Shock absorber springs are processed by high pressure treatment at least three times to remove internal stresses prior to use and to prevent deformation or breakage of the springs, ensuring a longer fatigue life of the springs.

4. Service life: 200,000 times tested in fatigue tests.

Maintenance

1. Reduce the speed of the vehicle as it passes over a bumpy road. In case of too fast speed, the parallel amplitude of the shock absorber spring will be excessive and the number of deformations will rise, resulting in a greater bending stress and faster fatigue damage.

2. While driving, especially in full load, it is necessary to avoid emergency braking to protect the shock absorber spring from breaking under excessive stress.

3. Heavy vehicles should be prevented from turning sharply. The vehicle produces centrifugal force when turning sharply, which will result in an increased load on the shock absorber spring. The more drastic the turn, the greater the load, and the higher the damage to the shock absorber spring.

4. Minimize overload and partial load, as this will cause uneven force on the shock absorber springs, etc. A long period of uneven force will result in the loss of elasticity of the shock absorber springs, plastic deformation and a

decrease in the steel of the assembly which will fail to work.

Maintenance Instructions

1 Check before mounting
① Check the condition of the special tool for vibration damping prior to use.
② Make sure the special tool is properly connected to the bracket fixing.
③ Make sure the spring clamp solid nut is fastened.

2 Fasten the shock absorber assembly to the special tool
① Pre-tension the compression nut to make sure the spring fits well with the fixture.
② Secure the compression nut to pay attention to the spring condition at all times.

3 Remove the shock absorber installing nut
① Make sure the spring and shock absorber rod are free-standing.
② Make sure the spring is firmly attached to the fixture.
③ Use the special tool for shock absorber nut removal to remove the nuts.

4 Install the shock absorber
① Verify the installation position of the shock absorber, thrust bearing and bumper block.
② Attach the nut with the special tool for shock absorber nut removal and ensure that the nut is firmly attached.
③ Loosen the clamps progressively until the springs are detached from the clamps, rectifying the installation position of the shock absorber, thrust bearing and cushion block in time during the process.

5 Shock absorber spring disassembly and installation precautions
① During the entire operation of disassembly and installation of shock absorber springs, the operator will be on the left and right sides of the shock absorber, but not in the upper and lower ends of the shock absorber to avoid flying out of the shock absorber spring clamps, and the work of disassembly and installation of shock absorber springs will be completed in the assembly repair room, with no other unrelated personnel nearby.
② Before disassembly, prepare all tools and pre-replacement spare parts. No operator should leave the site after removing the shock absorber nut until all installation is completed.

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Our factory is equipped with the latest technologies and machinery to deliver top-quality suspension systems at competitive prices.
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With our advanced manufacturing technology and superior materials, we produce top-quality suspension systems that you can rely on.
We will try our best to develop more and better Shock Absorber Springs to serve customers at home and abroad. We look forward to working with all friends to develop together and create a better tomorrow!
Our suspension systems are designed to meet or exceed OEM specifications for fit and performance.
We have professional technology and good management system, together with rich experience and strict quality control, to ensure our consumers get high quality Shock Absorber Springs.
Our factory is committed to delivering high-quality automotive suspension systems and excellent customer service.
We will provide you with comprehensive application assistance to ensure that you choose the right Shock Absorber Springs for your needs.
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