

# Automotive Parabolic Spring

This parabolic spring is designed for automotive applications, providing enhanced vehicle suspension. It is engineered for optimal load distribution and improved ride comfort and stability.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Parabolic Suspension

This automotive parabolic spring is engineered for optimal load distribution and enhanced vehicle suspension stability. Designed for heavy-duty applications including trucks, trailers, and agricultural machinery, it offers superior ride comfort and progressive stiffness. Manufactured using advanced CNC processes and automated heat treatment, this component ensures precise dimensional accuracy and long-term durability under demanding conditions.

## Material & Construction

Material Grade	60Si2Mn, 55CrMnA
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## Manufacturing Standards

### Certifications

ISO9001-2008 • TS16919

### Manufacturing Tolerances

**1 mm**

Length Tolerance

**0.2 mm**

Hole Position Tolerance

**0.5 mm**

Thickness Tolerance

### Camber Tolerance Specs

Spring Width	Camber Tolerance
< 70mm	±3.0mm
> 70mm	±6.0mm

### Production Features

- CNC cutting and hole punching
- Automatic eye rolling and shaping
- Automated heat furnace temperature control (±5 )
- Shot peening coverage (90%+)

## Applications

### Compatible Vehicles

- Trucks
- Trailers
- Agricultural Trailers
- Engineer Trucks