

# Suspension Springs

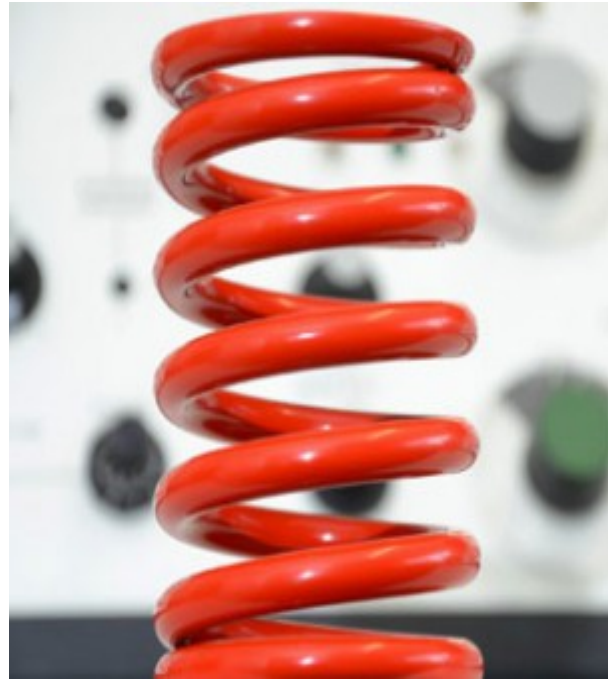
**Performance Springs is the UK's premier designer, developer and manufacturer of high quality, heavy duty and precision suspension springs.**

## Manufacturing Range

- 0.2mm to 19.0mm Diameter
- Production Batches from 1 to 5,000,000
- Conical, Barrel or Parallel Shapes
- Dampened or Laid-on Ends
- Ground or Unground Ends

## Made to order for:

- Passenger Cars
- Motorcycles
- Automotive Race Cars
- Race, Classic and Sports Cars
- Off Road Vehicles
- Defence Vehicles
- Commercial Diesels



## Materials

We select the world's best materials...

**Silicon-Chrome-Vanadium Oil Tempered and Silicon-Chrome-Vanadium + Nickel Oil Tempered**  
1.5mm to 6mm Wire Diameter

- Branded Specialist Wires
- ASTM877B

**Silicon-Chrome Oil Tempered**  
0.5mm to 14mm Wire Diameter

- EN10270/2 VD SiCr
- DIN 17225 VDSiCr
- ASTM A877
- BS2803 685A55 HD2
- AS33A
- SWOSC-V

**Silicon-Chrome Quenched & Tempered**  
10.0mm to 19.5mm Wire Diameter

- EN10089 1.7106 (ground & unground)
- BS1429 685A55 ND2 & HD2

- DIN17223/2 67SiCr5
- AS33A & ASS33B

#### **Chrome-Vanadium Quenched & Tempered** 10.0mm to 19.5mm Wire Diameter

- EN10089 1.8159 (ground & unground)
- BS 1429 735A50 ND & HD
- DIN 17225 50CrV4
- ASTM A231

#### **Manufacturing Capabilities and Processes**

- CNC Coiling
- Semi-Automatic Coiling
- CNC Grinding
- Shot Peening
- Pre-Stressing and Hot Pre-Stressing Equipment
- Full Inspection and Test Facilities
- Full Statistical Process Control

#### [Find out about our finishes](#)

All activities are undertaken on the basis of:

- Fast turn times where availability dictates
- High quality to OEM standards and beyond
- Comprehensive technical and sales back-up service

With high investment in both its workforce and manufacturing facilities, Performance Springs Ltd is at the leading edge of spring technology and innovation, making it the best choice for high fatigue and safety critical applications.

#### **Suspension Spring Optimisation**

Do you have problems in any of the following areas?

- Spring fatigue and failures, durability & relaxation
- Satisfying the need for downsized, lightweight vehicles
- Development of new low carbon technology

Performance Springs can help with expert advice about how to solve such spring problems and reduce risk. We provide our specialist knowledge to our clients to give them a competitive advantage in the marketplace.