Pedders Suspension provides a comprehensive Two Year / 40,000km Nationwide Warranty on all Pedders brand name products designed for road use, including Shock Absorbers, Struts, Leaf, Coil and Torsion Bar Springs.
Springs - The Facts

The primary function of springs, whether they be Leaf, Coil or Torsion Bars, is to carry the load of the sprung weight and to absorb impacts created by the wheel when travelling over undulating or rough terrain.

The spring rate, or stiffness is to be matched to the weight of the vehicle resting on them in addition to other steering and suspension components. Spring Rate also controls “Roll Stiffness”, or Body Roll. By reducing the amount of body roll, there is a reduction in the amount of wheel camber change. Excessive camber change can reduce the tyre's contact with the road surface, severely affecting the handling potential of the vehicle during cornering.

The handling of most vehicles is substantially improved by increasing the original spring rate to an optimum rate which will maximise tyre contact with the road and reduce body roll for improved handling. Increasing the spring rate beyond the optimum rate will detract from the handling potential, as this will possibly cause the tyres to become separated from the road surface through skipping over the bumps and therefore reducing grip and safety.

The springs of the vehicle perform many functions; they absorb impacts, supply support for the vehicle, enhance handling and stability and offer ride control.

What Is ISO 9001 Standard?

The Pedders Suspension Coil Spring Manufacturing Plant holds the International Management quality standard of ISO 9001. The ISO 9001:2000 quality management systems standards is designed to help organizations ensure that they meet the needs of customers and other stakeholders while meeting statutory and regulatory requirements related to a product. ISO 9001 deals with the fundamentals of quality management systems, including the eight management principles upon which the family of standards is based.

**WHAT DOES THIS MEAN TO THE CONSUMER?**

The standard helps achieve consistent results and continually improving the process. This helps the holder of ISO 9001 make a good product all of the time. What this means to the Pedders Suspension customers, is that they can be assured they are being supplied a product of significantly high quality.

Coil Springs

Coil springs are the foundations of the modern suspension system with most car manufacturers preferring coil springs due to their advantages of weight, tenability, handling and stability and offer ride control.

Coil Spring design and manufacturing is a craft which requires strict adherence to a demanding set of coil procedures, all of which are critical to the performance of the final product. Pedders undertakes the following key steps in relation to its Coil Spring Manufacturing Process:

- Hot Coiling
- Oil Quenching
- Furnace Tempering
- Shot Peening
- Load Height and Rate Testing
- Powder Coated
- 2 Year / 40,000km Nation Wide Warranty

**PEDDERS HEAVY DUTY COIL SPRINGS**

Pedders Heavy Duty Coil Springs are designed for standard and raised height replacement coil springs for passenger and light commercial vehicles. These coils offer unrivalled levels of ride control, handling and load carrying capabilities.

**PEDDERS SPORTSRYDER COIL SPRINGS**

Pedders Sport Ryder Coil Springs are a premium range of lowered coil springs for sports and performance applications. They are built to standards with tolerance of only +/-2mm at loaded ride height Pedders Sport Ryder Coil Springs are simply unrivalled in terms of handling, vehicle appearance and performance.

**PEDDERS TRAVELRIDER COIL SPRINGS**

TravelRider coils are heavy duty units that provide the precise rate needed to carry the mass of heavy 4WD bodies and wheel assemblies.

**PEDDERS TORSION BAR SPRINGS**

Like Pedders coil springs, TravelRider torsion bars are made from the highest quality alloy spring steel and are manufactured according to strict quality production procedures. TravelRider torsion bars are fully tempered (heat treated) for high durability, hardness and long-term consistency. The ends (split ends) of the torsion bars are forged shaped to produce a stronger structure which assists in longer product life. TravelRider torsion bars are made to a larger diameter than most original bars; providing a firmer rate for greater control and improved load carrying ability.

Heavy-duty replacement units provide a permanent upgrade for the front suspension.

Whether your vehicle is in standard form or has been fitted with a bull bar, which, dual battery system or any other heavy accessory, TravelRider torsion bars provide extra control, stability and traction for enhanced performance.

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Pedders’ quality standards is based.

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**Pedders Coilspring Range**

Pedders offer a range of coil springs for both the trade and retail customer; a range of four different branded coil springs.

- Heavy Duty
- Sport Ryder
- Touring
- TravelRider

**Pedders Touring Coil Springs**

Pedders touring coil springs are still built to the industry standards of ISO 9001, but are priced for the performance motorist with budget constraints. Pedders touring springs are simply the best quality budget coil springs available in the marketplace, these are for the motorist more interested in vehicle appearance than performance handling.

**Pedders Heavy Duty Coil Springs**

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**Pedders Sport Ryder Coil Springs**

Pedders Sport Ryder Coil Springs are a premium range of lowered coil springs for sports and performance applications. They are built to standards with tolerance of only +/-2mm at loaded ride height Pedders Sport Ryder Coil Springs are simply unrivalled in terms of handling, vehicle appearance and performance.

**Pedders Torsion Bar Springs**

Like Pedders’ coil springs, TravelRider torsion bars are made from the highest quality alloy spring steel and are manufactured according to strict quality production procedures. TravelRider torsion bars are fully tempered (heat treated) for high durability, hardness and long-term consistency. The ends (split ends) of the torsion bars are forged shaped to produce a stronger structure which assists in longer product life. TravelRider torsion bars are made to a larger diameter than most original bars; providing a firmer rate for greater control and improved load carrying ability.

Heavy-duty replacement units provide a permanent upgrade for the front suspension.

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