

PEDDERS REPLACEMENT LEAF SPRING PACKS

For heavy duty load carrying and towing, leaf springs remain the best performance suspension design, but there are disadvantages, such as becoming firmer as they age since they become less effective when they sag. This also may create noises and vibrations through the drive line.

Pedders offer full replacement leaf spring packs for Cars, Light Commercial, Dual Cab Utes and Four Wheel Drives.

Pedders Suspension has a variety of replacement leaf spring packs for a wide range of 4WD & 2WD vehicles designed specifically for load carrying applications. Pedders replacement leaf spring packs are durable whilst providing improved vehicle control and stability due to the fact that they feature redesigned spring rates. A number of these packs have a 2 stage design which provides a comfortable ride when un-laden whilst minimising height loss when load is applied.

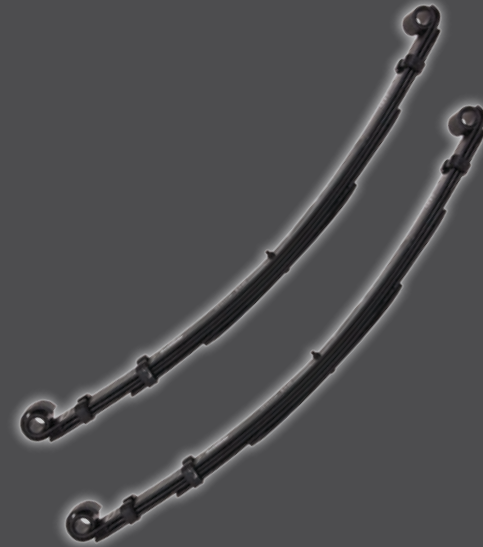
PEDDERS TRAKRyder LEAF SPRING PACKS

Pedders replacement TrakRyder Leaf Spring Packs are durable whilst providing improved vehicle control and stability due to the fact that they feature redesigned spring rates.

A number of these packs have a 2-stage design which provides a comfortable ride when un laden whilst maintaining extra height when a load is applied. For heavy load carrying and towing, leaf springs remain the best performing suspension design, but can become harsh, noisier and less effective in absorbing bumps and vibrations.

Pedders offer full replacement TrakRyder leaf spring packs that feature inter-leaf friction pads and metal eye sleeves to minimise binding or noise. They are constructed from only the highest grade steels for maximum operational performance.

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VARIABLE RATE LEAF SPRING PACKS

For most dual cab vehicles on our roads today, ride comfort vs. load carrying capacity is always a compromise. By today's standards, we are experiencing more consumers requesting a better ride characteristic from their load carrying dual cab utes. The general expectation is that they want more of a sedan style ride from their vehicle.

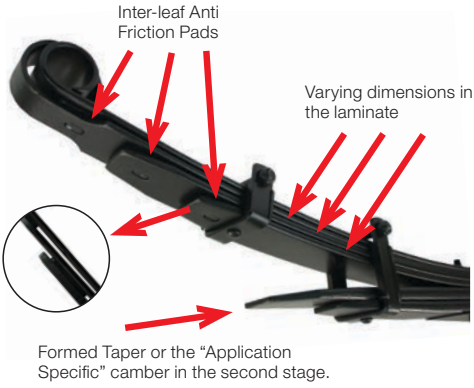
Through innovative design, Pedders have developed leaf springs in conjunction specially valved Foam Cell Shocks to achieve the best of both worlds, being the ability to improve ride quality and vehicle load carrying capabilities.

Because the modern dual cab utilities are used as both a work horse and a family vehicle, the spring design has a requirement to fulfil dual roles. Pedders have a product to deliver an outcome that will be pleasing to the consumer.

- Improved ride quality in laden and un laden situations as to O.E.M. recommendations
- Increased articulation with a raised ride height of 30 to 40mm
- Increased spring rate from O.E.
- Innovation in design and construction

THE RANGE IS AVAILABLE FOR THE CURRENT MODELS OF:

- | | |
|----------------|-----------------|
| • Toyota HiLux | • Ford Ranger |
| • Mazda BT50 | • Nissan Navara |
| • VW Amarok | • Colorado |
| • Triton | • D Max |



PEDDERS SUSPENSION WARRANTY

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



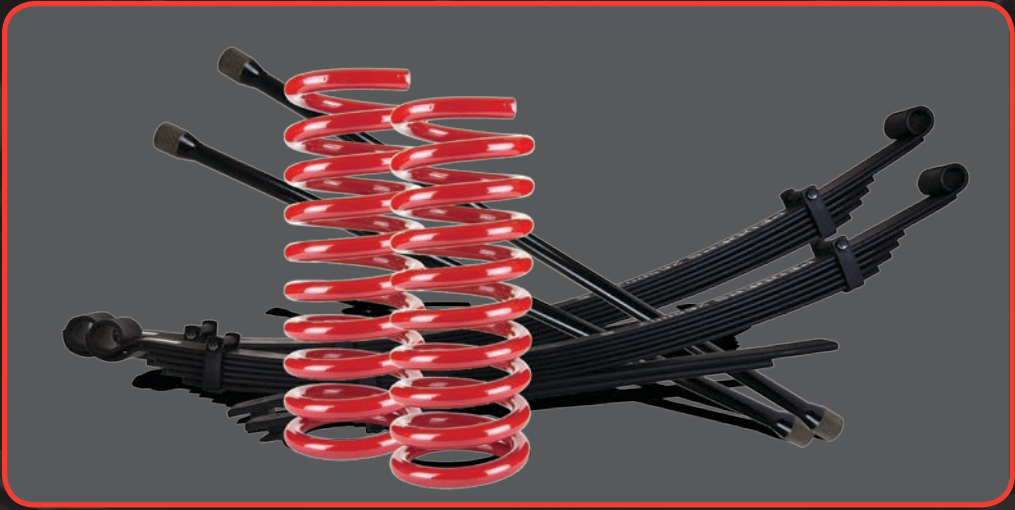
Straight advice, specialists you understand and... No  Bull

www.pedders.com.au

PEDDERS

| SPRINGS

- Lowering •
- Raised •
- Standard •
- Heavy Duty •
- Ride Control •
- Load Carrying •



Straight advice, specialists you understand and... No  Bull

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 reduces 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 function: they absorb impacts, supply support for the vehicle, enhance handling and stability and offer ride control.



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, space and ease of manufacture. Pedders research, design and manufacture their own range of coil springs from their own World-Class Manufacturing Plant in Victoria, Australia, to exacting ISO 9001 standards. Unlike leaf springs, coil springs are not used to locate other steering or suspension components of the vehicle, they have only one function and that is to accept the sprung weight of the vehicle.

Coil Spring design and manufacturing is a craft which requires strict adherence to a demanding set of 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
- Scragging
- Load Height and Rate Testing
- Powder Coated
- 2 Year / 40,000km Nation Wide Warranty

What Is ISO 9001 Standard?

The Pedders Suspension Coil Spring Manufacturing Plant holds the Internationally recognised manufacturing quality standard of ISO 9001. The ISO 9001 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.



Pedders Coil Spring Range

Pedders offer to its trade and retail customers, a range of four different branded coil springs.

- Heavy Duty
- SportsRyder
- Touring
- TrakRyder

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 SportsRyder 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 SportsRyder Coil Springs are simply unrivalled in terms of handling, vehicle appearance and performance.



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 TRAKRYDER COIL SPRINGS

TrakRyder coils are heavy duty units that provide the precise rate needed to carry the mass of heavy 4WD vehicle bodies and wheel assemblies. TrakRyder coils are made at Pedders’ hi-tech spring manufacturing facility in Melbourne, Australia, from the highest quality spring steel and are produced according to a strictly controlled design. The manufacturing and testing process ensures Pedders coils exceed original tolerances and are equal to or exceed the best in the world in consistency of rate, loaded height and reliability. Standard height and raised height coils for extra ground clearance are available for most 4WD vehicles and higher rated coils can be used to compensate for the extra weight of a bull bar, winch, rear step, or to improve a vehicle’s load carrying or towing ability.

PEDDERS TORSION BAR SPRINGS

Like Pedders’ coil springs, TrakRyder torsion bars are made from the highest quality alloy spring steel and are manufactured according to strict quality production procedures. TrakRyder torsion bars are fully tempered (heat treated) for high durability, hardness and long-term consistency. The ends (splined area) of the torsion bars are forged (shaped) to produce a stronger structure which assists in longer product life. TrakRyder 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, winch, dual battery system or any other heavy accessory, TrakRyder torsion bars provide extra control, stability and traction for enhanced performance.

