

# PEDDERS PRODUCT REVIEW

| NEW PRODUCTS



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## PEDDERS | LEAF SPRINGS

### IF YOU OWN A DUAL CAB UTE WHY WAIT ANY LONGER?

**Pedders have a new range of “variable load” leaf springs that will carry weight and provide a better ride when unladen.**

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 that achieve the best of both worlds: 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.

#### The selected range of Leaf Springs offer:

- Improved ride quality in laden and un laden situations
- Increased articulation with a raised ride height
- Increased spring rate from O.E.
- Innovation in design and construction

#### The fitment of Pedders Foam Cell shocks:

To enhance the ride even more, we recommend the fitment of the new “Valued Matched” Pedders 153000 series TrakRyder Cell Foam shocks. As they are a “Big Bore” unit, they have the ability to control the new leaf springs and enhance the ride comfort.

#### The range is available for the current models of:

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



All photos used are for illustrative purpose only.

For further information please contact your local Pedders Suspension specialist or check out [www.pedders.com.au](http://www.pedders.com.au) Note: See our Pedders Suspension catalogue for up to date information.



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

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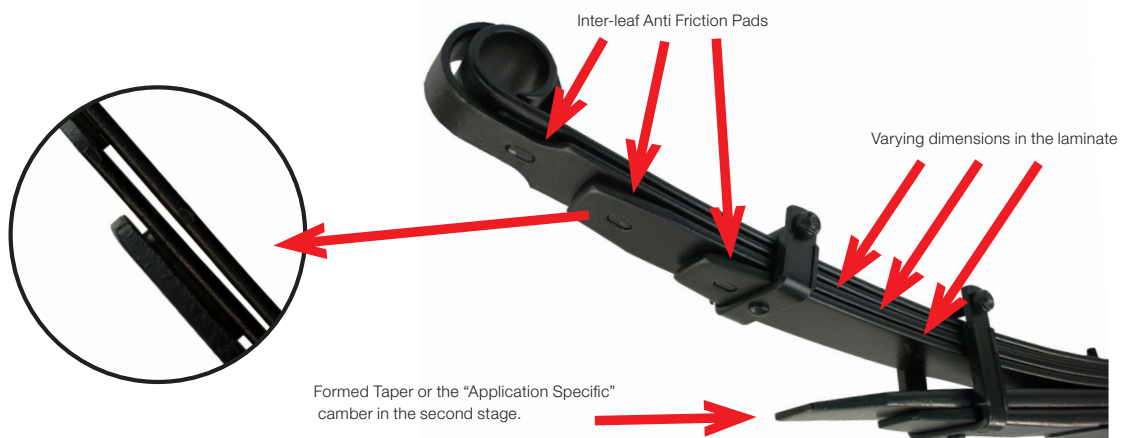
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### HOW DOES THE VARIABLE SPRING WORK?



Inter leaf friction is created with the leaves flexing through normal suspension travel, as a consequence a firmer ride may be experienced. With the fitment of "Inter Leaf anti friction pads" this reduces the resistance to movement and therefore will improve the quality of ride.

The more supple ride is also affected by the thickness of the laminates, by varying the dimensions of the leaves a more comfortable ride can be achieved.

With the formed taper or the "Application Specific" cambering placed into the overload, increased travel can be achieved, thus increasing the travel before the primary pack comes into contact with the secondary or over load section of the spring.



The next innovation was to "Diamond cut" the ends of the leaves to a taper. This allows for improved articulation properties of the leaf spring when travelling over uneven undulating road surfaces. This process allows for increased flex of the leaf ends.

To improve the ride even more, it is recommended to replace the shocks with the 153000 series Pedders foam cell shocks, which have a softer damping rate to complement the Pedders Variable Leaf Springs.



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