

NEW

**PRODUCT
RELEASE**



RIDE WITH COMFORT
carry with confidence!



PARABOLIC LEAF SPRINGS

WHAT IS A PARABOLIC SPRING?

Pedders new **Parabolic Leaf Springs** have been engineered to enhance your vehicle's suspension performance. Its unique leaves, designed in a parabolic curve, deliver a smoother and more responsive driving experience. This innovative design uniformly distributes weight and stress evenly across the spring, it significantly reduces the overall weight and internal friction compared to traditional leaf springs. Whether you're navigating rugged terrains or hauling heavy loads, the Parabolic Leaf Spring ensures optimal comfort and durability, maintaining your vehicle's balance and safety.



SHOCK ABSORBERS



SUSPENSION



BRAKES



STEERING



WHEEL ALIGNMENT



TOW BARS



PARABOLIC LEAF SPRINGS

HOW DOES A PARABOLIC LEAF SPRING WORK?

Under Light Loads: The laminate ends, being the thinnest and most flexible, are primarily active, offering a smoother ride by reducing laminates, friction, noise, and harshness.

For Medium Loads: Both ends and the mid-section of laminates are engaged, with about 60% working, leading to a steady increase in spring rate, thanks to the design's controlled progression.

Under Heavy Loads: The full laminate length activates, achieving peak spring rate while ensuring top ride quality through low friction.

In Summary Parabolic springs adapt 'progressively', to load changes, ensuring a consistently smooth performance.

PARABOLIC LEAF SPRINGS VEHICLE RANGE

- | | | | |
|-----------------------|-----------|----------------------------|---------|
| • Ford Ranger | 2011-On | • Mazda BT50 | 2011-On |
| • Holden Colorado | 2012-2020 | • Mitsubishi Triton | 2015-On |
| • Hyundai Staria Load | 2022-On | • Toyota Hilux | 2015-On |
| • Isuzu D-Max | 2012-On | • Toyota LandCruiser 78/79 | 1999-On |
| • LDV T60 | 2017-On | • Volkswagen Amarok | 2023-On |

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FEATURES AND BENEFITS



Weight Reduction



Improved Ride Comfort



Better Flexibility



Reduced in Interleaf Friction



Ease of Installation



FIND YOUR NEAREST PEDDERS STORE NOW