SHOCK ABSORBERS

Tough Dog shock absorbers are built to the highest levels of quality.

Our 41mm foam cell shock has been voted the number one shock as “best all-round performer” by Australian 4WD Action magazine. If you are looking to make tracks, a set of Tough Dog shocks is exactly the place to start.
Tough Dog Nitrogen Gas shock absorbers have been designed with control and comfort in mind.

Nitro gas shocks are built with multi stage velocity sensitive valving to ensure the shock is capable of performing at any speed. As the shock moves faster to absorb small bumps in the road like corrugations, the valving in the shock responds to maintain the ride control characteristics. These shocks are perfectly suited to light and medium four wheel drives and vehicles with leaf sprung suspension.

- 35mm Internal bore and piston with twin tube design
- Low pressure nitrogen gas to eliminate fade for better performance and comfortable ride
- Double chrome-plated shaft
- High temperature, all weather fluid
- Custom designed for each application
- OEM or longer length shocks to suit standard or raised 4WDs for maximum articulation, comfort, safety & durability
- 2 Year/40,000km warranty (conditions apply)
Tough Dog’s award winning Foam Cell shock is our best selling shock for all round performance. Whether you head bush on the occasional weekend or for the majority of the year, Foam Cell shocks will handle your application.

The ‘Foam Cell’ that makes all the difference is a micro-cellular foam insert that helps to drastically reduce the effects of shock fade, allowing your shocks to perform better for longer, even on the harshest of corrugations. Cavitation and Aeration are the undoing of any shock absorber. As the shock is worked harder, the oil and gas in the outer chamber begins to mix and form bubbles, lowering the viscosity of the oil. When this aerated oil passes through the valve, there is reduced resistance, stopping the shock from performing correctly. The Foam Cell insert, with its trapped gas micro cells takes up the empty space in the shock normally taken up by air or nitrogen gas. This eliminates the possibility of bubbles forming, allowing the shock to get on with the job with an unparalleled resistance to shock fade.

- Large 41mm internal bore
- Twin tube design
- High temperature, all weather oil
- 19mm, double chrome-plated rod
- Additional welding on all studs & eyeings
- Multi stage Velocity Sensitive Valving
- Red wiper seal and multi lip seal
- Hydraulic rebound stop
- 2 Year/40,000km warranty in 0-50mm applications. (conditions apply)
- 1 Year/20,000km warranty in 60mm or higher applications. (conditions apply)
**40MM BORE ADJUSTABLE SHOCK ABSORBERS**

The 40mm adjustable shock brings the ability to fine tune your ride control to just about every 4WD user. The shock offers 9 different stages of adjustment, to fine tune the ride characteristics to your personal preference and application.

- 40mm internal bore
- 60mm external casing
- 18mm chrome-plated rod
- High temperature, all weather oil
- Foam cell
- 9 Stage external adjustment
- Additional welding on all studs and eye rings
- 2 year / 40,000km warranty (conditions apply)

In reality, very few vehicles serve only one purpose. Most 4WD’s today are the family car, off road toy, touring escape, towing rig or tradesman’s work platform all rolled into one. We demand so much of our vehicles, and every situation will need something just a little bit different. As well as being fully adjustable, these shocks are equipped with our Foam Cell technology, minimising aeration and cavitation to maximise the shocks ability to resist fade, and perform reliably in harsh and demanding conditions. Our adjustable shocks are built tough for the Aussie outback, and incorporate an ABS plastic dust shield as well as an external dust wiper seal to protect the shock’s Internals from grit which can damage the oil seals around the chrome rod. When fully extended, the shock is at its most vulnerable to damage from side load. The internal bump stop and piston rod guides ensure the shock is supported at the extremes of its travel. These tough units are available for a wide range of applications.
45MM BIG BORE ADJUSTABLE SHOCK ABSORBERS

These tough puppies are the largest bore externally adjustable shocks available on the market. There is nothing that can compare to the 45mm bore in a 70mm outer casing. This is one serious shock.

The 9 stages of adjustment mean you can control the firmness of your shocks easily, and adapt to the conditions as required. Choose a firmer ride for your highway travels, and then dial them down when it’s time to get down to business. 45mm big bore adjustables are designed for big lift applications up to six inches over factory in some vehicles. Our adjustable shocks are built tough for the Aussie outback. As well as the Foam Cell Insert to combat shock fade, the 45mm adjustable also incorporate an ABS plastic dust shield as well as an external dust wiper seal to protect the shock’s Internals from grit which can damage the oil seals around the chrome rod. When fully extended, the shock is at its most vulnerable to damage from side load. The internal bump stop and piston rod guide ensure the shock is supported at the extremes of its travel. Our big bore shocks also have a DU bushing fitted internally to protect the seals from damage caused by side load at full extension.

- 45mm internal bore
- 70mm external casing
- 22mm chrome plated rod
- High temperature, all weather oil
- Foam cell technology
- 9 Stage external adjustment
- Additional welding on all studs and eyelets
- 2 Year/40,000km warranty in 0-60mm applications. (conditions apply)
- 1 Year/20,000km warranty in 50mm or higher applications. (conditions apply)
53MM BORE ‘RALPH’ SHOCK ABSORBERS

The Tough Dog ‘Ralph’ shock is the largest 4WD shock on the market. We redesigned shocks originally intended for prime movers to suit 4WD applications.

- Huge 53mm bore
- Twin tube design
- High temperature, all weather oil
- 22mm double chrome-plated rod
- Additional welding on all studs & eye rings
- Multi stage Velocity Sensitive Valving
- Rod wiper seal and multi lip seal
- Hydraulic rebound stop
- 3 Year/80,000km warranty (conditions apply)
- 2 Year/40,000km warranty in 100 Series IFS (conditions apply)
- 1 year warranty in mining applications (conditions apply)