



THE ALL-NEW MT64 SUSPENSION RANGE

Date	August 2023
Description	The all-new MT64 suspension range
Part No.	See Old Man Emu Application Guide 54
Availability	September 2023 onwards

OVERVIEW

ARB and the Old Man Emu (OME) team are incredibly excited to announce the launch of an all-new suspension product range!

Named 'MT64' which represents the monotube internal design with an enormous 64mm inner bore diameter, this highly engineered shock absorber and strut range represents an all-new segment for the brand and a sure to be loved customer experience, both on and offroad.

OME HISTORY

Australia's leading 4x4 suspension brand considers your individual requirements with specialist engineers spending hundreds of hours developing, testing and modifying various combinations in the demanding Australian outback so you can find the most suitable solution for your customer's needs.

OME's commitment to providing the most comprehensive range on the market has resulted in an extensive selection of quality products. With over 45 years in the suspension game and seeing huge success in our current product range supporting our customers around the world, we have identified a new opportunity and just the right product to sit in between our Nitrocharger and BP-51 product ranges.

OME is here to stay and will continue developing highly engineered suspension systems for our customers so they can safely and comfortably travel further!



THE CURRENT OME SUSPENSION RANGE

The Nitrocharger suspension range has incredible history both in Australia and throughout the world and attributes this success to continuously offering highly engineered valve tuning, ride height increases and load carrying capability all for an affordable price. Backed by a huge network of stores, dealers and resellers worldwide, we continue to support our customers with their aftersales needs long into the products life.

In 2014, OME took decades of suspension tuning and research along with its strong racing heritage and released BP-51, an internal bypass suspension strut that allowed for a coil spring. This surpassed all others who only achieved bypass technology either with external tubes on the outside of the body (which wouldn't allow for a coil spring) or by bypassing the piston through the limited and one-dimensional path within the piston rod.

BP-51 is now synonymous with providing extreme capability to our customers 4WD's and arming them with the trust of tackling the harshest environments, and roads, while delivering ultimate comfort at speed. All with a direct fitment and no permanent or invasive vehicle modification required. With 10 compression and 10 rebound settings that are adjustable, this market leading product can be catered even further to the customer and their vehicle's needs.



WHO IS THE MT64 CUSTOMER

For much of the time we tend to drive our vehicles every day, on the road, to the shops or to work. And we should expect our suspension to continue delivering its engineered tuning, comfort and control in those situations as well as offroad.

This is where MT64 really shines, as the everyday, all-rounder suspension that provides comfort and reduces driver and passenger fatigue on any daily trip as well as during intense offroad occasions. It really is just the right touring and overlanding shock to fill the gap between the affordable Nitrocharger range and absolute premium, BP-51.

Offroad, MT64 and its abundance of oil loves weight. With an unmatched internal bore of 64mm, huge shim stacks and aluminium body, shock fade is a thing of the past and those long-haul trips are a dream drive.



COMPARE THE RANGE

Nitrocharger Plus	MT64	BP-51
Twin-tube	Monotube	Monotube with internal bypass
Velocity sensitive	Velocity sensitive	Position sensitive
Tuned to vehicle	Tuned to vehicle	Tuned to vehicle and adjustable (10 compression + 10 rebound)
Steel construction	Aircraft grade aluminium	Aircraft grade aluminium
Painted finish	Hard anodised finish	Hard anodised finish
Designed by ARB 3rd party manufactured	Designed & manufactured by ARB	Designed & manufactured by ARB
Configurable spring seat (strut) - 5 positions	Configurable spring seat (strut) - 6 positions	Adjustable pre-load (strut)
Nitrogen gassed	Nitrogen gassed	Nitrogen gassed
-	Internal floating piston	Internal floating piston
-	Rebuildable	Rebuildable
-	-	External reservoir

**THE ULTRA RELIABLE
PERFORMER**

**ALL ROUND
COMFORT**

**THE BEST OF
THE BEST**

KEY FEATURES AND BENEFITS OF MT64

- Designed and manufactured by ARB ensuring the highest degree of meticulous quality
- Bigger than most monotubes on the market with a huge 64mm internal bore. This allows for more oil and bigger shim stacks to reduce heat fade and have more tuning and control through the stroke
- Configurable spring seat with 6 positions in 5mm increments allows for one coil spring to cater for all weight variations. If the vehicle increases its weight overtime, the coil does not need to be replaced, it can simply be adjusted
- Aerospace grade aluminium body like BP-51 to dissipate heat fifteen times faster than steel
- 22.5mm piston rod (shaft) as used in racing shock absorbers for huge strength and rigidity
- Smooth, controlled ride for everyday and long-distance driving to reduce fatigue and improve driver and passenger comfort
- Set and forget tuning as all the hard work has been done with no need for customer adjustment



STRUTS AND COIL SPRINGS

The MT64 strut has six machined grooves on the outside of the aluminium body. This allows the snap ring (provided with all struts) to be adjusted up or down to position the spring seat.

By adjusting the snap ring and spring higher you provide more preload to the spring and increased height in preparation for accessories or other loads added to the vehicle.

By lowering the snap ring and spring seat you prepare the strut for a lighter vehicle such as one with no bull bar or an alloy bull bar only.



MT64 uses a new, matte black coil spring so consulting the OME Application Guide in all cases is required for selection. In addition, the entire OME coil spring range will also change to this new matte black finish too.

MT64 COMPONENT BREAKDOWN

Bodycap

- Forged 6061 aluminium in natural finish

Body

- 64mm (2.5") internal bore
- 4mm thick wall
- Precision drawn aluminium
- Type 3 hard anodised

Damping Piston

- Sintered metal
- Tuneable preload

Shaft Guard

- BP-51 guard

Bushes

- Natural rubber
- Double bonded (struts only)

Gas Pressurised

- Nitrogen filled damping

Internal Floating Piston

- Separates oil and gas

Shims

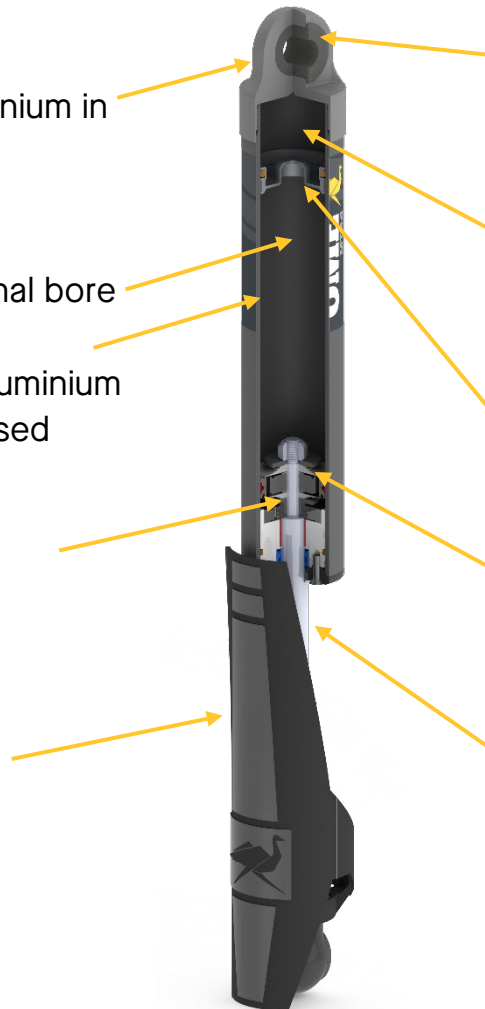
- Large, highly tuned pyramid shim stack

Rod / Shaft

- 22mm (7/8")

Rod / Shaft Seals

- Multi-lip durable HNBR material to cover temperature extremes



TECHNICAL SPECIFICATIONS COMPARED

Nitrocharger Plus	MT64	BP-51
Internal bore: 36mm	Internal bore: 64mm	Internal bore: 51mm
Body width: 58mm	Body width: 72mm	Body width: 74mm
Shaft size: 18mm	Shaft size: 22mm	Shaft size: 19mm

**OLD MAN EMU REPRESENTS OVER 44 YEARS
OF RIDE CONTROL ENGINEERING**

INITIAL APPLICATIONS (2023)

The following applications are planned for release in 2023:

1. Toyota Hilux 2015+ (excludes Toyota Hilux Rogue 2023+ / Toyota Hilux GR Sport 2023+)
2. Toyota Prado 150 / Toyota 4Runner 2010+
3. Toyota FJ Cruiser 2010+
4. Toyota Tacoma 2005 – 2023
5. Toyota LandCruiser 70/78/79 Series
6. Ford Ranger Next-Gen 2022+ / Volkswagen Amarok 2023+
7. Toyota LandCruiser 300 Series
8. Toyota LandCruiser 200 Series

**FUTURE APPLICATIONS (2024+)**

The following list of applications are currently planned for release in 2024, however are subject to change.

We endeavour to develop MT64 for many of our customers 4WD's overtime as we continue working through these model lists.

9. Toyota Hilux Rogue 2023+ / Toyota Hilux GR Sport 2023+
10. Ford F150 2021+
11. Toyota Tundra 2022+
12. Dodge Ram 1500 DT 2019+
13. Chevrolet Silverado 2019+
14. Jeep Gladiator JT
15. Jeep Wrangler JL
16. Nissan Patrol Y62



Please consult the OME Application Guide for vehicle applications and details.