

# PRODUCT BULLETIN

FEB 20  
RAP612A

## UNIVERSAL EXTENDED PROGRESSIVE RATE BUMP STOP

This Bumpstop is derived from an OE design. Blackhawk4x4 have identified the current OE & aftermarket offerings fall short of delivering the complete solution! We can now offer you a truly progressive rate, genuinely extended Bumpstop when installed into the following applications:

- OE Nissan Patrol GQ/GU FRONT (35mm extended @ 7kN)
- OE Nissan Patrol GQ/GU REAR (57mm extended @ 7kN - when using BS002 mounting)
- OE Toyota Land Cruiser 80/105 REAR (33mm extended @ 7kN)
- Nissan Navara NP300 REAR (46mm extended @ 7kN)
- Universal Applications (113mm compressed height @ 7kN)

Our re-engineered design increases energy absorption while offering less kinetic energy reducing the resultant rebound of the suspension when returning from full compression (full bump) which is a common side effect of other designs. They don't bounce!

Some of the design features include:

- Contact face has been engineered to offer a progressive entry to the damping force for improved ride comfort.
- Premium quality natural rubber construction
- Side furrows have been remodelled for a progressive nature
- Internal design remodelled to minimise rebound and increase durability
- Overall length increased to provide increased final height whilst not limiting progressive nature.
- Supplied with Flange head M12 bolt and M12 flange nut to complete the mounting solution in most applications.
- Firm Duro in line with OE designs

The below table illustrates the height vs load of the Blackhawk bumpstop when compared to OE examples:

Load (kN)	Load (kg)	Length (mm)			
		Patrol OE (Rear)	Patrol OE (Front)	80 Series OE	Blackhawk 80
7	713.79	57	78.6	80.7	113.7
20	2039.4	48	56.6	53.7	82.7

\*measured with a NATA calibrated load cell

Nissan Patrol rear applications are designed to be used in conjunction with our BS002 Bump stop plates. Also available as a matched pair S0524R-BHKIT1.



**Part Number S0524R-BH**

Universal - Extended - Progressive  
Rate Bump Stop. Sold individually.  
Barcode 9319478664678

