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BIONIC NECK SUPPORT (BNS) TECH CARBON

MOTOCROSS / OFF-ROAD PROTECTION

SIZES: XS-M to L-XL



Engineered to help prevent neck injury and minimize the risk of collateral damage, the Bionic Neck Support (BNS) Tech Carbon is constructed from an advanced carbon polymer for optimized frame strength and lightweight performance. The BNS Tech Carbon functions when the rider's helmet makes contact with the frame at the moment of a crash, thus providing a clean, solid surface which instantly channels damaging, compressive impact energy away from the neck and on to the BNS. Featuring Alpinestars' exclusive and revolutionary rear stabilizer for progressive force relief (PFR) to offer critical protection to the spine, as well as a host of award-winning design innovations such as a quick release locking system, the BNS Tech Carbon affords a highly customizable, secure and comfortable fit for all forms of off-road riding.

Advanced, high-performance carbon polymer compound

- Structural integrity and frame strength against heavy impact energies during crash.
- Ultra-lightweight performance and comfort while riding.
- Resilience to low temperatures, below 0°C.

A highly customizable, secure and personalized fit

- SAS (size adapter system) for a versatile fitment in size ranges XS-M and L-XL.
- Lycra-laminated foam padding kits: adaptable and interchangeable EVA foam pads which also aid compatibility with other body protection systems.
- Strap System: Allows a small, light strap worn over or under the jersey.

Bio-organic engineering design for superb ergonomics

- The BNS incorporates Alpinestars' exclusive and industry pioneering rear stabilizer which promotes PFR (Progressive Force Relief) by providing strategically positioned, pre-engineered absorption, flex and fracture points on the rear stabilizer. It works by inducing a progressive, predetermined deformation of the rear stabilizer which dissipates and channels extreme energy loads away from the spine (thoracic and dorsal vertebrae) and instead transmits them across the back and shoulder area.
- The Rear Stabilizer is connected to the frames via a pivot key for convenient dismantling.
- Frame construction promotes improved contact with helmet during impact and instantaneous load channeling – including rear support edge that fits closer to the body, extra width to account for different helmet sizes and raised chest to avoid hyper-flexion injuries.
- Innovative quick-release locking closure system for rapid and efficient fitting/removal offers highly secure and convenient attachment.
- Compressed EVA foam compound padding to distribute the impact force over the widest area, yet remain lightweight.



**ISPO AWARD
WINNER
2013**



reddot design award
honourable mention 2013

For more information visit: www.alpinestars.com