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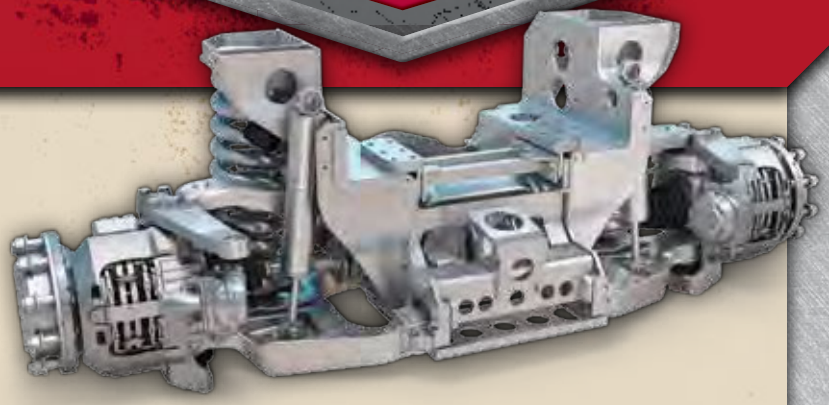
SERIES 50

PROTEC™

SUPPORTING THE WARFIGHTER FROM THE GROUND UP



HIGH-MOBILITY INDEPENDENT SUSPENSION FOR SEVERE OFF-ROAD APPLICATIONS

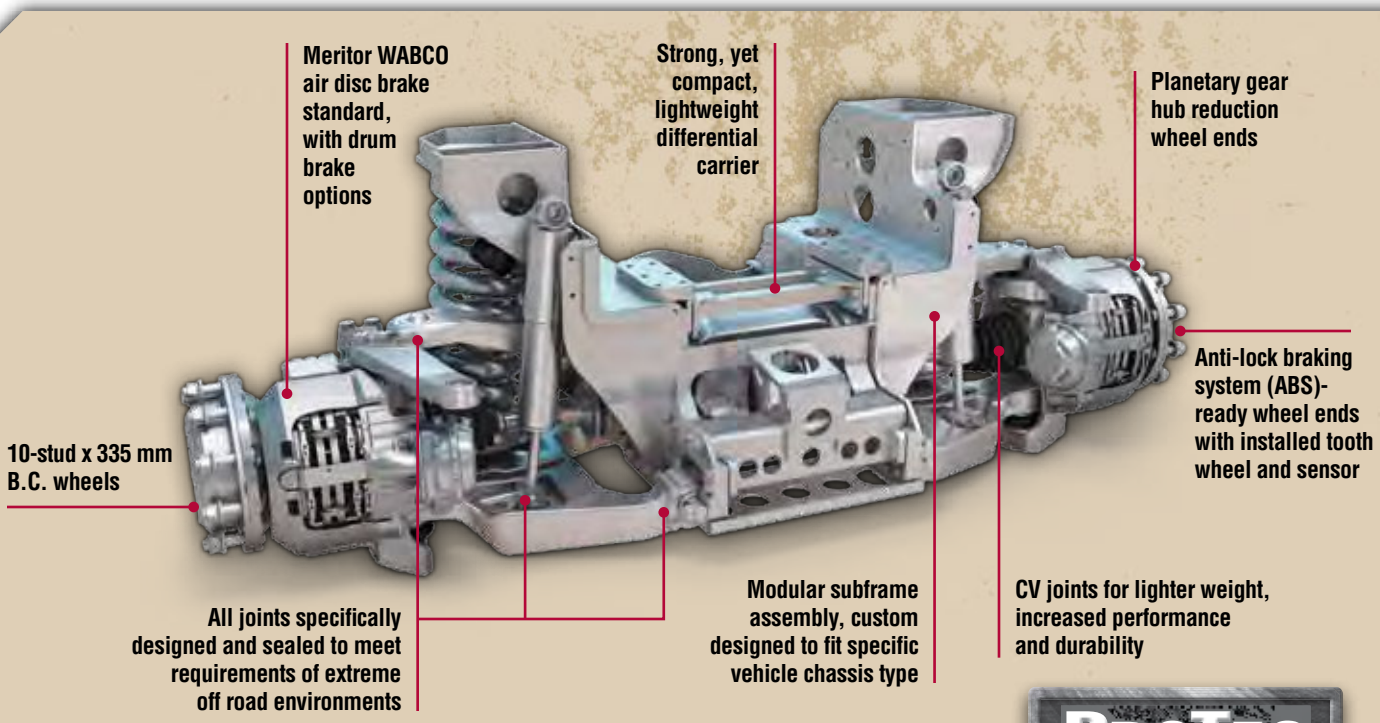
The **IRON TRIANGLE** of Payload, Performance and Protection, representing the three absolute must-haves for a high-mobility independent suspension series for the military market. ▲ Only one product family builds a foundation of strength under every corner of the Iron Triangle – the **PROTEC SERIES** of High Mobility Independent Suspensions (HMIS), built for tactical wheeled military vehicles and armored personnel carriers, as well as specialty and off-highway applications. ▲ Customers demanded superior force protection, unmatched mobility and unparalleled ride quality, all in a weight-efficient package. ▲ **MERITOR LISTENED**. ▲ The results? The **PROTEC HMIS SERIES 30** for applications requiring GAWRs up to 14,000 lbs., the **PROTEC HMIS SERIES 40** for GAWRs up to 23,000 lbs., and the **PROTEC HMIS SERIES 50** GAWRs up to 29,000 lbs.

MERITOR | DEFENSE

PROTECTION AND PERFORMANCE FOR THOSE WHO PROTECT US

FEATURES AND BENEFITS

- Blast-mitigating design deflects force away from the vehicle undercarriage
- Weight-efficient, payload-maximizing design of the ProTec HMIS line also increases the capacity of the vehicle to add more incremental armor
- A tight turning radius — up to 38 degrees — delivers maximum maneuverability demanded in extreme combat environments
- Total wheel travel clearance up to 18 inches results in outstanding off-road mobility
- Versatile Meritor amboid gearing is sized to fit any application requirements
- Optional limited slip differential, no-spin differential and driver-controlled differential lock further enhance performance
- Meritor's global aftermarket support system stands behind every Meritor military suspension sold
- Configured with shock outside of spring allows
  - Easy maintenance
  - Easy integration of second shock inside spring for increased damping as required
- Modular architecture allows users to enhance performance of a broad range of suspension platforms



- GAWRs up to 29,000 lbs.
- Up to 18 inches of wheel travel – BEST IN CLASS
- 38 degree steer angle – BEST IN CLASS
- Multiple spring and damping options available
  - Semi-active or active
  - Hydrostrut
- Suspensions custom designed to meet performance requirements

ProTec™

PAYLOAD.
PERFORMANCE.
PROTECTION.
YOU DEMAND IT.
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For more information, contact a Meritor representative at **248-435-1000** or visit **www.meritordefense.com** for a solution to your specific needs.

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