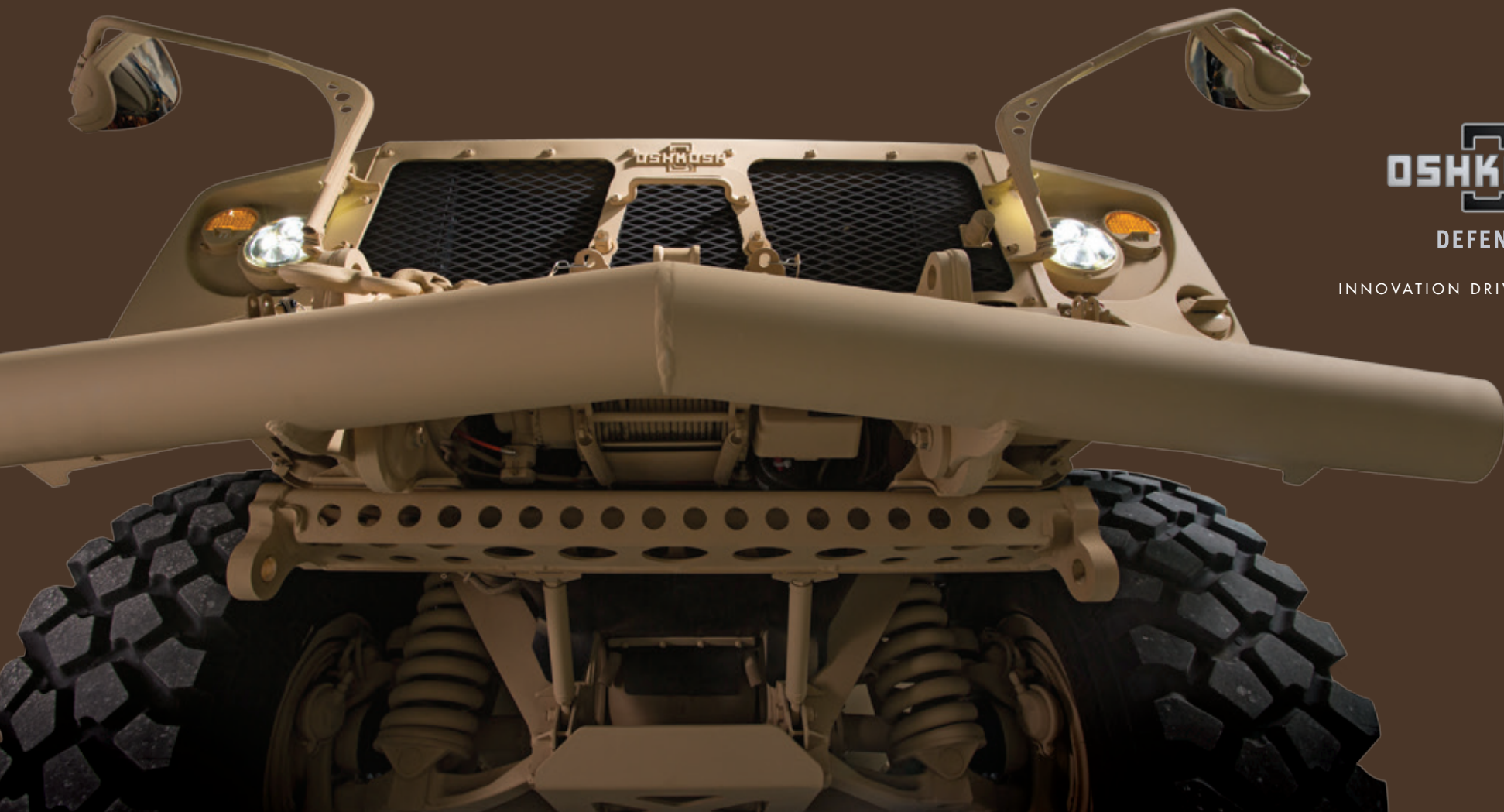


FAMILY OF INDEPENDENT SUSPENSION SYSTEMS



INNOVATION DRIVES FORWARD



## This is Oshkosh Defense.

At Oshkosh Defense, we stand behind those who dedicate their lives to protecting others. Every day we strive to meet or exceed our customers' ever-changing needs with next-generation defense technologies and advanced systems like the TAK-4® family of independent suspensions. We operate with unparalleled commitment to those who depend on our products and services worldwide to perform their missions.







## Been there. Conquered that.

Scale a rocky slope. Outmaneuver the enemy. Haul equipment with capacity to spare. Nothing should stand in the way of the mission. The Oshkosh® TAK-4® family of independent suspensions gives any vehicle – from light tactical trucks to heavy equipment transporters – the protection, mobility and payload capacity to effectively complete demanding missions.

Our experts leverage decades of ground operations experience and unmatched vehicle knowledge to design and deliver superior suspension systems. We understand what it takes to protect crews, achieve higher speeds, haul the heaviest loads and overcome harsh terrain. Over and over, TAK-4 suspensions deliver scalable solutions to improve ride quality, protection and mobility.







**Light Combat Tactical All-Terrain Vehicle (L-ATV), the JLTV solution.**

**Medium Tactical Vehicle Replacement (MTVR)**



**MRAP All-Terrain Vehicle (M-ATV)**



**Logistics Vehicle System Replacement (LVSr)**



**Palletized Load System (PLS A1)**



**HMMWV Modernization Solutions**



**RG31A3 SOCOM - Mine-Resistant Ambush Protected (MRAP)**



**RG33 - Mine-Resistant Ambush Protected (MRAP)**



**COUGAR - Mine-Resistant Ambush Protected (MRAP)**





Performance over and above  
all obstacles ahead.



Next-generation technology that sets  
a new standard for off-road mobility.



The proven, reliable suspension  
solution for light vehicles.



**TAK-4® | INDEPENDENT SUSPENSION SYSTEM**

The TAK-4® independent suspension system steadily thunders over whatever comes its way. Equipped with this suspension, the Oshkosh® MRAP All-Terrain Vehicle (M-ATV) quickly proved to be lighter with greater maneuverability and ride quality, while maintaining MRAP-level protection against threats. It has also delivered unmatched mobility and capabilities for medium and heavy fleets, including the Oshkosh® Medium Tactical Vehicle Replacement (MTVR) and the Logistics Vehicle System Replacement (LVSr). TAK-4 is the high performance and safety solution for light, medium and heavy wheeled vehicles, providing maximum mobility through harsh and unpredictable terrain.

**TAK-4i™ | INTELLIGENT INDEPENDENT SUSPENSION SYSTEM**

Take harsh terrain head on with TAK-4i™ intelligent independent suspension\*. This suspension has demonstrated its capabilities on the Oshkosh® Light Combat Tactical All-Terrain Vehicle (L-ATV), delivering next-generation mobility that outmaneuvers, outlasts and out performs any other suspension. It delivers superior ride quality to achieve higher speeds across rougher terrain. Designed with state-of-the-art technologies and a full 20" of usable wheel travel, TAK-4i is a scalable solution for unprecedented mobility and safety for any tactical wheeled vehicle.

\*Patents pending

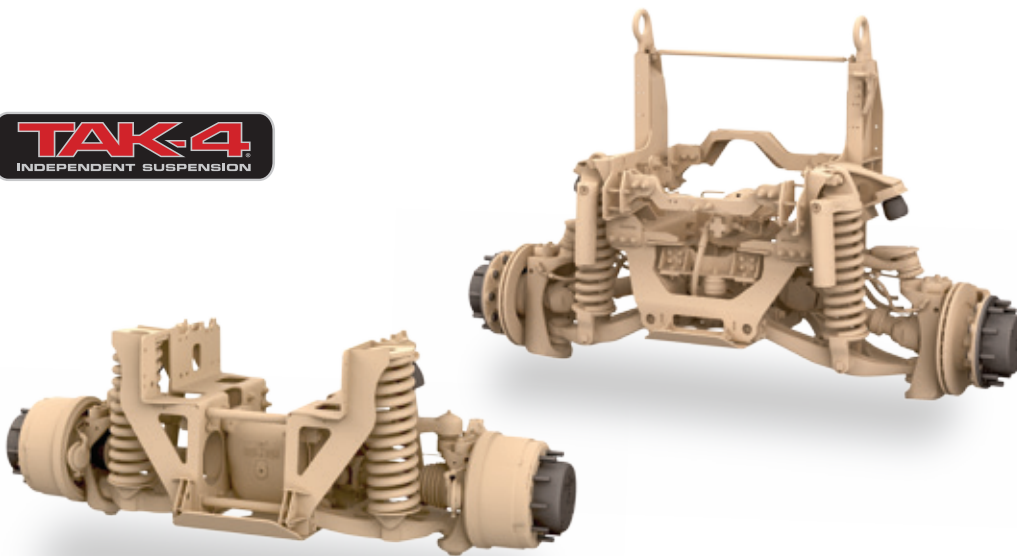
**TAK-4i™ | LIGHT INDEPENDENT SUSPENSION SYSTEM**

TAK-4i™ independent suspension\* takes the most rugged, reliable suspension system and applies it to light vehicle platforms. Designed to enhance the mission capabilities of the HMMWV, TAK-4i is an integrated driveline solution that allows light vehicles to maintain full payload capacity, while improving suspension travel and overall ride quality. The result: A higher level of mobility, versatility and survivability for a variety of light vehicle missions.

\*Patents pending

# There are no compromises and absolutely no comparisons.

Where the road ends, the battle-tested and combat-proven TAK-4® independent suspension system just gets started. Engineered and built for high speeds in unpredictable conditions, this scalable integrated driveline solution takes ride quality, mobility and crew safety to greater heights.



## INCREASED VEHICLE MOBILITY

- Provides improved on- and off-road vehicle control
- Improves braking power
- Increases vertical independent wheel travel

## IMPROVED RIDE QUALITY

- Up to 3x smoother ride than a straight-axle design

## GREATER OFF-ROAD SPEEDS

- Commands the most challenging terrains
- Quicker getting in and out of hazardous areas

## INCREASED LOAD-CARRYING CAPACITY

- Allows more personnel, equipment and supplies
- Increases potential for additional options

## LOWER LIFE-CYCLE COSTS

- Minimizes wear and tear
- Improves overall vehicle dependability and performance

## EASIER MAINTENANCE

- Offers lubed-for-life ball joints
- Requires no special tools for service
- Typical maintenance items are intuitively mounted and openly available for inspection/replacement

## AVAILABLE FOR ALL SIZED VEHICLES

- Adaptable design for any new or fielded tactical wheeled vehicle



Family of Independent Suspension Systems				
	HEAVY	MEDIUM	PREMIUM LIGHT	LIGHT
<b>Off-Road Gross Axle Weight Rating (GAWR)</b>	Up to 26,500 lbs. (12020 kg)	Up to 23,000 lbs. (10433 kg)		Up to 10,000 lbs. (4536 kg)
<b>Off-Road Profile</b>	70%	70%	70%	70%
<b>Independent Vertical Wheel Travel</b>	16 inches (406 mm)	16 inches (406 mm)	20 inches (508 mm)	14 inches (356 mm)
<b>Ground Clearance</b> (Dependent on Tire Size)	16.6 inches with 16R20 tires	15.6 inches with 16R20 tires 13.6 inches with 395 85R20 tires		17 inches with 335 80R20 tires
<b>Brakes</b>	S-CAM Drum Brakes or Wedge Drum Brakes	S-CAM Drum Brakes or Wedge Drum Brakes		High-performance disc brakes
<b>Springs</b>	Coil, High Pressure Gas and Hydro-pneumatic	Coil, High Pressure Gas and Hydro-pneumatic		Coil, High Pressure Gas
<b>Duty Level</b>	Designed to meet off-road and on-road requirements	Designed to meet off-road and on-road requirements	Designed to meet off-road and on-road requirements	Designed to meet off-road and on-road requirements
<b>Adaptability</b>	Adaptable to any new or fielded vehicle	Adaptable to any new or fielded vehicle	Adaptable to any new or fielded vehicle	Adaptable to any new or fielded vehicle



Oshkosh leverages decades of supporting missions through harsh terrains around the world to build the highest quality, most reliable suspension systems serving troops today.

Take mobility, response, safety and performance to the highest levels with advanced suspension solutions that stand far above the rest. The Oshkosh Defense® TAK-4® family of independent suspension systems.











Oshkosh Defense, LLC  
2307 Oregon Street, P.O. Box 2566 • Oshkosh, WI, USA 54903-2566  
ph 1.920.235.9150 • fax 1.920.233.9506  
Washington, DC Office  
1300 North 17th Street, Suite 1040 • Arlington, VA, USA 22209  
ph 1.703.525.8400 • fax 1.703.525.8408

©2015 OSHKOSH DEFENSE, LLC  
An Oshkosh Corporation Company

Oshkosh Defense, the Oshkosh Defense logo and TAK-4 are registered trademarks, and TAK-4*i* and TAK-4*l* are trademarks of Oshkosh Defense, LLC, Oshkosh, WI, USA  
All other trademarks are the property of their respective owners

**[oshkoshdefense.com](http://oshkoshdefense.com)**

