

THE TIGER

All-terrain combat vehicle

The MDT/Textron Tiger combat vehicle is a cost effective, survivable, light protected all-terrain vehicle that seats two to nine crewmembers. Mine and blast protection are available via various add-on armor options. Based on a commercial off-the-shelf Dodge RAM 5500 platform, the Tiger utilizes standard Dodge maintenance and service. The Tiger incorporates a powerful Cummins 350 HP diesel engine, a highly protected armored capsule, large military standard tires, and a 127-inch wheel base, offering exceptional mobility. Its advanced suspension ensures a comfortable ride for the crew.

Mission-Flexible

Tiger's five doors and roof hatch offer easy loading and unloading of warriors and equipment. The spacious cabin, with exceptional payload capacity, can be tailored to many missions.

Payload Options

The 8.8-ton gross vehicle weight rating allows – with a standard armor package – for a payload of more than one ton, or six passengers plus 1,000 pounds of equipment. The add-on armor panels can be removed, repaired, replaced or upgraded. An optional upgrade to a 10.4-ton GVW allows for an upgraded armor system, or added payload.

Convenient Maintenance

The MDT Tiger Light Protected Vehicle was designed to be cost effective.

The COTS Dodge platform ensures widespread support and cost effective maintenance. The unique encapsulated cabin permits easy access to all components. The capsule can easily be removed and remounted, allowing its installation on a new platform, increasing its life and ensuring low lifecycle cost.

Arrangements

The cabin, with a flat floor throughout and vertical walls, allows for various seating and equipment mission-dependent arrangements.

The front row has optional three-in-a-row seats for driver, navigator and commander. In the rear, three, four, or five passengers can ride facing forward. The rear cabin can also accommodate

six passengers in two side-facing rows. A two- or four-litter MEDEVAC option is also available.

Windows on all four sides allow for 360-degree situational awareness.

Equipment Options

Optional gun ports on all four directions allow for accurate small arms operation. A roof-mounted remote controlled weapon station or man-operated turret are optional.

GPS navigation systems, Satcom, NBC, and fire suppression systems are also available.

Configuration Options

Tiger Light (8.8-ton GVW)

- Basic Floor protection, high level side protection
- For police, SWAT, border patrol, etc.

Tiger Medium (8.8-ton GVW)

- High level floor and side protection
- For military and paramilitary

Tiger Heavy (10.4-ton GVW)

- Passive or reactive add-on armor suite
- Weapons systems, missile launchers, etc.



The lighter variant is designed for police, border patrol and paramilitary roles involving high risk, e.g., SWAT, anti-terror, and drug enforcement units, along with similar missions requiring exceptional all-terrain capabilities coupled with extreme survivability.

Family of Vehicles

- Patrol: 2 to 6 seats
- Convoy protection
- Troop carrier: 8 to 9 seats
- Medical evacuation
- Mobile command & control
- UAV control and launch
- Reconnaissance sensors
- NBC / Engineering
- Logistics

Lightweight Vehicle

- 8.8-ton standard OEM GVW
- 1.5-ton payload
- Upgradable to 10.4-ton GVW
- 3.0-ton payload
- Air transportable

Cost Effective

- COTS Dodge RAM Platform
- Standard maintenance
- Low lifecycle cost

Effective Armor

- Mine and blast protection
- Add-on armor options
- Reactive armor suite option
- Replaceable, repairable, and upgradable armor panels
- Suspended, attenuating seats

All-Terrain Capabilities

- Powerful Cummins 350 HP engine
- 127-inch wheelbase
- Advanced suspension
- MPT 80 12.5X20" wheels

Tiger Variants



TIGER LIGHT PROTECTED VEHICLE SPECIFICATIONS

Weight

Gross Vehicle Weight	8,845 kg (19,500 lb)
Payload	1,360 kg (3,000 lb)
Gross Vehicle Weight (Upgrade)	10,400 kg (23,000 lb)
Payload (Upgrade)	2,820 kg (6,200 lb)

Dimensions

Length	5600 mm (220.5")
Width	2420 mm (95.3")
Height	2390 mm (94.1")
Wheelbase	3226 mm (127")
Ground clearance	300 (11.8") under rear axle
Ground clearance	400 mm (15.7") between axles

Performance

Range	610 km (380 miles) Auxiliary tank optional
Turning Radius	7 meters (23 feet)
Side Slope	33°
Approach Angle	42°
Departure Angle	42°
Vertical Step	430 mm (17")

Power Train

Chassis	Dodge RAM 5500HD 4x4
Engine	Turbo diesel, 350 HP, 610 lb-ft
Wheels/Tires	Continental MPT 80 12.5X20"

Seats

2-9

Ingress/Egress

4 side doors, 1 rear door, 1 roof hatch

Electrical System

12V – 200 amp;
24V 120 amp – optional

Air Conditioning

Front and rear systems



THE TIGER

ALL-TERRAIN COMBAT VEHICLE

TEXTRON Systems



MDT Armor Corporation
308 Alabama Street
Auburn, AL 36832
Phone: 334-321-0762
info@mdt-armor.com
www.mdt-armor.com

Textron Marine & Land Systems
1010 Gause Blvd.
Slidell, LA 70458 USA
Phone: 985-661-3622
Fax: 985-661-3631
www.textronmarineandland.com