

Cable seals for defense vehicles



Roxtec sealing solutions for defense vehicles

Explore the multitude of applications where you can benefit from our solutions.



1. Firewall engine compartment

Secure the fire barrier between the engine and the driver and passenger compartment with Roxtec seals. Good cable management, vibration damping and resistance to high temperatures ensure long-term reliability. Avoid cutting openings in the vehicle structure when upgrading with new equipment. There is room for additional cables in the same opening.



2. Antennas and communications systems

Protect all entries for advanced communication and navigation systems with Roxtec seals to ensure performance in the field. Our transits are capable of shielding off low and high frequencies of intentional as well as unintentional electromagnetic disturbance with high signal attenuation while protecting equipment from water, dust and sand.



3. Vehicle storage compartment

Roxtec cable transits provide space efficient and light-weight solutions for protection of any opening in the vehicle body armor. Use the seals to prevent dust, moisture and water ingress. It is possible to route multiple cables through the same frame, also those terminated with connectors, and add new cables in the same frame.



4. Turret

Roxtec sealing solutions ensure long-term performance of wheeled and tracked defense vehicles with gun turrets. Cables run through the vehicle body, yet the integrity stays intact. The Roxtec system is flexible enough to allow for late design changes and can handle shifting cable count and size, which makes integration of equipment systems easy.



Why use Roxtec?

- Blast load protection
- Firestop
- Water- and dust-tight
- EMI/EMP protection
- Area efficient

Superior simplicity

- Easy and safe installation
- Flexibility for upgrades
- One cut-out for dozens of pre-terminated cables
- Built-in spare capacity
- Customized solutions for specific requirements

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5. Cab floor

Whenever cables have to run through the cab floor, Roxtec sealing solutions provide efficient protection against dust and water. The transits also provide a gas-tight seal and offer room for multiple cables.



6. Cameras and power mirrors

Defense vehicles are equipped with power mirrors, cameras and motors with cables running in and out of the vehicle body. Use Roxtec seals for the cable penetrations and ensure equipment performance by securing water mitigation and preventing dust or sand from entering. Our seals simplify the use of cables terminated with connectors.



7. V-hull

The vehicle undercarriage is exposed to risk of blast load and shock-waves as the vehicle may trigger mines or IEDs, improvised explosive devices, in military zones. Use Roxtec cable transits in the V-hull area of the vehicle or above the wheels to ensure resistance to high-pressure waves and protection in wet and muddy conditions.



8. Shelters

Shelters in the field host mission critical equipment and serve as hubs for communication between the base and the troops. Roxtec cable and pipe transits can be used in any harsh area for wall, floor and roof penetrations to ensure protection against threats from electronic warfare, shock-waves, extreme temperatures and wet conditions.



Protecting against multiple threats

The top priority for heavy vehicle manufacturers in the defense industry is to protect professionals and equipment serving in rough terrain. Roxtec cable seals provide reliable protection against risk factors that are present at all times in military and harsh environments.

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We are present worldwide as well as online to provide the best possible service and support. We recommend you to visit roxtec.com where you can find certified cable and pipe transit solutions for more than 100 applications and benefit from the easy search functions for both sealing solutions and certificates. You can also simplify your daily work by using the free, online tool Roxtec Transit Designer™.

You are always welcome to contact us with any questions or requests.