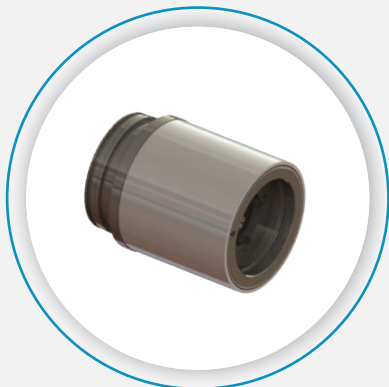
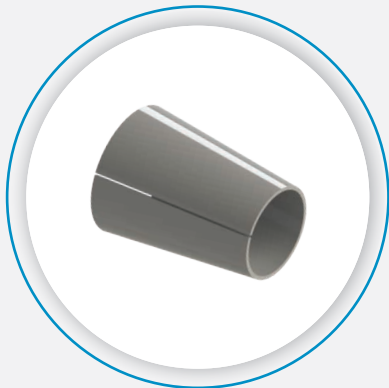


AMMUNITION ANTENNAS

GNSS & Telemetry



Known for manufacturing antennas for challenging environments, Radiall offers its expertise in conformal patch antenna technology for high-demand applications.

Radiall develops and produces antennas for artillery munitions in GNSS and telemetry bands. These products are mechanically cylindrical or conical and can withstand an acceleration of $> 25,000$ g.

Dual band antennas allow for beam switching which prevents jamming.

Telemetry antennas enable the transmission of flight data.

GNSS for precision guidance

- Localization for trajectory adjustment

Telemetry for flight tracking

- Adjustable radiation pattern

Cylindrical or conical shape

- Standalone antenna or integrated on customer structure
- Arrays available to optimize performance



Radiall's expertise allows us to provide different types of solutions, with a standalone antenna up to the integration of the antenna into customer structure. We can supply full custom solutions, including standalone antennas, arrays and integration into customer structure with mechanical assembly and machining.

- Passive or active antenna
- Single or dual band layered antenna
- Anti-jamming beam switching possible
- Temperature range -40/+70 °C, 300 °C peak
- Shock resistance > 20,000 g, -5 ms (axial)
- GNSS bands (GPS L1/ L+L2/Galileo, Glonass)
- Telemetry band up to 2.3 GHz
- Suitable for critical environments
- > 25,000 g acceleration
- VSWR < 2.5:1

FEATURES & BENEFITS

- ITAR free
- Standalone antenna or semi integration possible
- Full customization
- Integrated arrays

APPLICATIONS

- Guided artillery
- Rocket, missile, mortar
- Launch vehicles
- Aircraft
- Drones
- Wearable devices
- Surveillance