

# RTEC R-bolt™



- High value spare parts
- Crucial materials or objects
- Heavy machinery identification
- Oil and gas industry

## Environmental Specifications

Operating Temperature	-30°C to +85°C
Ambient Temperature	-30°C to +250°C
IP Classification	IP68
Shock and Vibration	MIL STD 810-F
Certifications	CE approved RoHS approved ATEX/IECEX certified
Warranty	1 year

## Customization Options

### Encoding

Pre-encoding based on customers' specification, including EPC, User memory and other requests.

### Appearance

Customized appearance design, including logo, barcode, text on the PET label etc.



## Mechanical Specifications

Tag Materials	Stainless Steel
Surface Materials	Industry epoxy resin
Dimensions	DIN933 M10x16 mm (Standard)
Weight	17 g
Attachment	Screw in
Color	Silver and Black by default

## RF Specifications

RF Air Protocol	EPC Global Class 1 Gen2 ISO18000-6C
Operating Frequency	UHF 866-868 MHz (ETSI) UHF 902-928 MHz (FCC)
Environment Compatibility	Optimized on metal
Read Range	Up to 1.5 m (on metal)
Polarization	Linear
IC Type	Impinj R6-P
Memory Configuration	EPC 128bit TID 96bit User 32bit

\*Read ranges indicated in this datasheet is achieved by using our standard testing methodology. Actual performance will be different if different reader hardware and output power is applied.

## Order Information

Product #	RTEC4010311
Product Name	RTEC RBolt ETSI
Product #	RTEC4010312
Product Name	RTEC RBolt FCC

### RTEC Singapore

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