



## RFID Integrated Rigid Tags

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Efficient  
traceability  
for metal and  
non-metal  
aircraft  
components



Brady's Rigid RFID Tags are designed for the extreme conditions and specifications of the aerospace industry.

Our series of Rigid RFID Tags are designed for superior performance on and off metal, for interior or exterior applications. Combined with Brady's encoding and reading solutions, all of our tags are designed to meet ATA Spec-2000 requirements, and align with the expectations and specifications set forth by major airframers worldwide.

### Key Features

- Compliant with EPCglobal1 Class1 Generation2 Ver1.2.0, ISO/IEC 18000-6 Type C
- High durability satisfying rigorous testing requirements for the Aerospace Standard SAE AS5678 specification
- Designed for superior performance on metal surfaces

### STIK

The stik tag provides a slim profile and impressive read range for its profile.

Catalog-Number	Description	Size (Width x Length x Thickness)	Average Read Range (m)*
RGD-STK-1010-RFID	Rigid RFID Tag - Stik	36,4 x 7,0 x 4,4 mm	2,3

### NICKL

The nickl tag meets both the read range requirements as well as the form factor requirements for smaller parts.

Catalog-Number	Description	Size (Width x Length x Thickness)	Average Read Range (m)*
RGD-STK-1010-RFID	Rigid RFID Tag - Nickl	14,0 x 14,0 x 5,8 mm	1,5

### TYLE

The tyle tag is a multi-record (64kbit / 8kB) rigid tag that fits in tight spaces.

Catalog-Number	Description	Size (Width x Length x Thickness)	Average Read Range (m)*
RGD-HM-1010-RFID	Rigid RFID Tag - Tyle	14,0 x 9,0 x 5,3 mm	0,92

\* Results are dependent on conditions used for testing, actual performance will vary depending on environment, substrate composition and tag placement.

# B-1010 RFID Integrated Rigid Tags

Brady On-Metal Rigid RFID Tags incorporate extended temperature range chip technology with durable tag materials to withstand challenging environments on metal surfaces.

Technical Specifications	Low Memory 2kB - Dual-record	Low Memory 8kB - Multi-record
Reserved Bank	32-bit Kill Password and 32-bit Access Password	
EPC Bank	Up to 496-bit EPC identifier	
TID Bank	256 bits	
User Memory	2,000 bits total	64,000 bits total

Attribute	Brady B-1010 Series
Print Technology	None, no printing
Material Type	Solid Epoxy
Adhesive	Acrylic-Rubber Hybrid
Shelf life	2 years
Dimensions (Width x Length x Thickness) (*1)	Stik 36,4 x 7,0 x 4,4 mm Nickl 14,0 x 14,0 x 5,8 mm Tyle 14,0 x 9,0 x 5,3 mm
Read Range (*2)	Stik 2,3 m* Nickl 1,5 m* Tyle 0,92 m*
Weight	Stik 1,9 g Nickl 2g Tyle 1,2 g
Operating Temperature	-40°C to 85°C
Minimum Application Temperature	-18° C
Installation Areas	Pressurised & Non-pressurised
Air Interface	Fully passive; EPCglobal Class 1 Gen2 Ver1.2.0, ISO/IEC 18000-6 Type C
Operating Frequency	840 – 960 MHz
Memory Availability	Dual Memory
Certifications and Standards	ATA Spec 2000 Ch 9 Rev 2016.1, SAE AS5678 2006-12, ROHS 2011/65/EU

(\*1) Thickness is measured at the centre of the tag over the chip

(\*2) Results dependent on conditions used for testing, actual performance will vary depending on environment and substrate composition. See Technical Data Sheet for additional Information.

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