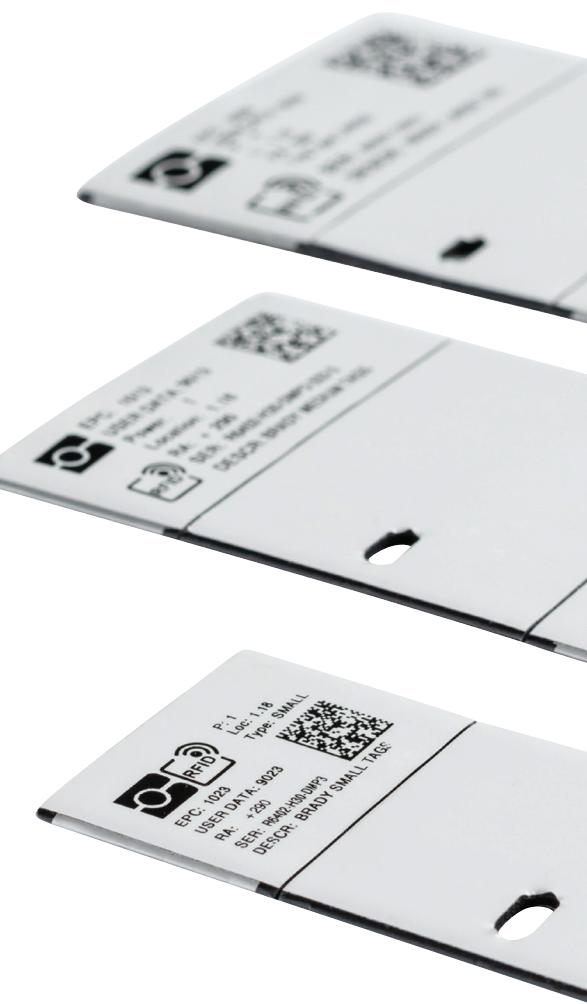




Brady RFID Labels: Alloy Tag

BradySmartID.com

Efficient cradle to grave traceability



The Alloy Tag leverages Brady's material science expertise with advanced RFID technology to offer a new reliable, robust and easy to use RFID tracking solution for flyable parts in the Aerospace industry.

The Alloy Tag is a versatile RFID label that functions equally well both **on and off metal** and for parts in either controlled environments found in the main cabin and in the exterior locations where wide fluctuations in temperatures, pressures and humidity make part marking and its durability appreciably more challenging. The label design offers **easy attachment** through a pressure sensitive adhesive. Brady's combined proprietary topcoat and ribbon technology provide **durable print** without the need for an over laminate or clear coat. In addition, the Alloy Tag is flexible to fit curved surfaces such as aircraft oxygen generators.

Reliable

- Single step, in-line workflow allows for a simple, efficient and error-proof standard operating procedure
- Print-on-demand: The Alloy Tag is printed and encoded simultaneously ensuring full compliance to ATA Spec 2000

Robust

- Durability: The Alloy Tag is engineered to ensure part integrity, attachment to both metal and composite surfaces and to resist exposure to extreme environmental conditions
- Rugged programmable memory: The integrated RFID chip ensures incorruptible storage and retention of asset data that is in compliance with the 2016 updates to the ATA spec

Easy to use

- Ultra-light weight construction: The Alloy Tag weighs less than 2g
- Read range: The patented design maximizes read range on and off metallic surfaces

The Brady Alloy Tag supports the ATA dual-record or multi-record tag specifications for flyable parts.

Technical Specifications	Low Memory 2kB Dual-record	High Memory 8kB Multi-record
Reserved Bank	32-bit Kill Password and 32-bit Access Password	
EPC Bank	Up to 496-bit EPC identifier	
User Memory	2K bits	64K bits

Attribute	Alloy Tag
Dimensions	Large 70 mm x 32 mm Medium 55 mm x 25 mm Small 35 mm x 25 mm
Overall Thickness	< 2 mm
Weight	< 2g
Operating Temperature	-67°F to 185°F / -55°C to 85°C
Minimum Application Temperature	50° F / 10° C
Installation Areas	Pressurized & Non-pressurized
Air Interface	Fully passive; EPCglobal Class 1 Gen2: ISO 18000-6C
Operating Frequency	840 – 960 MHz
Memory Availability	Dual Memory and Multi-record Memory
Certifications and Standards	ABS-1860, AS5678, DO-160, and ATA Spec 2000

Brady Alloy Tag Order References

Catalog-Number	Description	Size
THT-HM-MED-1000	Medium RFID Ext High-Memory Label	55 mm x 25 mm
THT-HM-LRG-1000	Large RFID Ext High-Memory Label	70 mm x 32 mm
THT-LM-SML-1000	Small RFID Ext Low-Memory Label	35 mm x 25 mm
THT-LM-MED-1000	Medium RFID Ext Low-Memory Label	55 mm x 25 mm
THT-LM-LRG-1000	Large RFID Ext Low-Memory Label	70 mm x 32 mm

Read Range (in meters)

	Dual-Record	Multi Record
Large	2m	1.5m
Medium	1.9m	1.1m
Small	0.8m	–

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