METAL CRAFT
ID MADE BETTER®

RFID Tags
PRODUCT LINE

Our RFID tags offer the greatest durability, accuracy, and reliability in the industry, managing resources in hospitals, schools, military, information technology, shipping and much more. Our tags stick around for the long haul, and after seeing their enhanced functionality and reliability, you'll find that our solutions do too.

We design every one of our RFID tags to withstand repeated usage in tough environments. Repeated usage drives down the cost per read, which in turn generates a greater ROI. Why are these tags so durable? We encapsulate our RFID tags within the layers of the label – protecting them from environmental conditions that could affect performance.

Metalcraft RFID tags also feature digital subsurface printing that showcases company information and/or logo and may include variable data such as barcode and/or human readable numbers – allowing users to utilize both barcode and RFID technologies.

The Standard RFID Tag, Stick-in-Staple RFID Tag and the RFID Server Rack Tag are similar in construction but are used for different applications. While the Standard RFID Tag is ideal for a variety of different asset tracking applications, the RFID Server Rack Tag worked well with IT assets where metal surfaces and space are issues. Lastly, the Stick-n-Staple RFID Tag is an economic option for wooden assets that allow for staples to be used.

The RFID Hang Tag, and the RFID Bale Tag are both hanging tags with the Bale Tag featuring a metal grommet for added durability. The RFID Flex Hard Tag is made of thick polyester and can be attached with either adhesive or mechanical fasteners making it a great solution for returnable containers. This specialized tag offers the durability of a hard tag without the accompanying price tag.

Our DuraDestruct RFID Tags feature a patent-pending inlay design and are another a great solution for returnable containers with the added benefit of a tamper-proof feature.

Products

Standard RFID Tag

DuraDestruct RFID Tag

RFID Server Rack Tag

Stick-n-Staple RFID Tag

RFID Hang Tag

RFID Bale Tag

RFID Flex Hard Tag

Applications

- Asset Tracking
- Work-in-Process
- Tool Tracking

Specifications

Product	Material	Affixing Method	Standard Sizes	Read Range*	Frequency
Standard RFID Tag	Polyester	Permanent, pressure-sensitive adhesive	2" x 1", 4.125" x .75" 4.5" x 1"	18 – 20 ft (plastic)	HF, UHF and NFC
RFID Server Rack Tag	Polyester	Permanent, pressure-sensitive adhesive	3" x 2"	8 ft (flagging off metal)	HF, UHF and NFC
RFID Hang Tag	Polyester	Various mechanical fasteners	4.75" x 1.75", 2" x 1.5"	20 ft (free air)	HF, UHF and NFC
RFID Flex Hard Tag	Polyester	Permanent, pressure-sensitive adhesive and/or mechanical fasteners	Various sizes available	22 – 24 ft (plastic)	HF, UHF and NFC
DuraDestruct RFID Tag	Polyester	Permanent, pressure-sensitive adhesive	4" x 1"	40 ft (plastic)	UHF
Stick-n-Staple RFID Tag	Polypropylene	Permanent, pressure-sensitive adhesive	4" x 2"	25+ ft (plastic and wood)	HF, UHF and NFC
RFID Bale Tag	Polypropylene with polyester overlaminate	Various mechanical fasteners	6" x 3.5"	27 ft (free air)	HF, UHF and NFC

Theoretical read ranges based on anechoic chamber tests

Test Results

These tests were conducted for a limited period in strict laboratory conditions. To achieve maximum satisfaction, we highly recommend any customer considering use of this product test the labels in the environment in which they will be used.

Rating measures label adhesion after being exposed to chemicals listed below for 24 hours. NE = No effect										
Product	**Water**	**Glass Cleaner**	**Bathroom Cleaner**	**Alcohol**	**Acetone**	**Sodium Hydroxide**	**Nitric Acid**	**Hydrochloric Acid**	**Brake Fluid**	**Diesel**
Standard RFID Tag	NE	NE	NE	NE	Delaminated	NE	NE	NE	NE	NE
RFID Server Rack Tag	NE	NE	NE	NE	Delaminated	NE	NE	NE	NE	NE
RFID Flex Hard Tag	NE	NE	NE	NE	Delaminated	NE	NE	NE	NE	NE
DuraDestruct RFID Tag	NE	NE	NE	Adhesive ooze	Adhesive ooze	NE	NE	NE	Adhesive ooze	Adhesive ooze
Stick-n-Staple RFID Tag	NE	NE	NE	Adhesive ooze	Adhesive ooze	NE	NE	NE	Adhesive ooze	Adhesive ooze
RFID Bale Tag	NE	NE	NE	NE	Delaminated	NE	NE	NE	NE	NE

Heat Test: NA = Not Available						
Standard RFID Tag	**RFID Server Rack Tag**	**RFID Hang Tag**	**RFID Flex Hard Tag**	**DuraDestruct RFID Tag**	**Stick-n-Staple RFID Tag**	**RFID Bale Tag**
300˚F	300˚F	300˚F	300˚F	300˚F	250˚F	NA

Abrasion Test: Samples were tested on the Taber 5130 abrader with CS-10 wheels with a wheel load of 500g each (1000g total). NA = Not Available						
Standard RFID Tag	**RFID Server Rack Tag**	**RFID Hang Tag**	**RFID Flex Hard Tag**	**DuraDestruct RFID Tag**	**Stick-n-Staple RFID Tag**	**RFID Bale Tag**
16,000 revolutions	NA	20,000 revolutions	20,000 revolutions	6,000 revolutions	NA	NA