The perfect solution for tracking assets on metal or non-metal surfaces that do not allow for attachment directly to the asset. The construction protects the inlay from environmental conditions that could affect the performance of the RFID tag. Reusable hang tags are attached to the asset using mechanical fasteners (i.e., plastic ties) and can be removed and reattached. Great for work-in-process and returnable containers.

All Metalcraft RFID tags are designed with our proven durability, ready to withstand repeated usage in rugged environments, generating a greater ROI for your business. Each tag can be programmed to match the variable information printed on the label. Subsurface digital printing is available which ensures crisp details on even the most complex logos for maximum clarity. Four color processing is available for limitless color and design options.

Features	Ideal for asset tracking on metal or non-metal surfaces that do not allow for attachment directly to the asset Removable and reusable – creates more ROI Made of durable polyester material Digital printing process provides for greater print capability with detailed logos or special designs Meets EPCglobal Gen2 (v 1.2.0) as well as ISO/IEC 18000- 6C:2044/Amd 1:2066 (type C) Compatible with RFID Tracking Software
Product Print Options	Barcode . Data Matrix . QR Code . RFID . Serial Number . Text
Product Functionality	Abrasion Resistance . Chemical Resistance . Heat Resistance . UV/Outdoor Durability
Popular Applications	Inventory . Warehouse / Distribution Centers . Construction / Tool Tracking . Manufacturing
Category	Manufacturing - RFID . Equipment Rental - RFID . RFID for Retailers . Asset Tracking - RFID . Tool Tracking - RFID . Work-in-Process - RFID . RFID Hanging Tags

How far can you track an RFID tag?

METAL CRAFT
ID MADE BETTER

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UNIVERSAL RFID BY METAL CRAFT

The short (yet accurate) answer to this question is - it depends. The read range of an RFID tag depends on a number of different factors including the inlay used in the RFID tag, the construction of the tag itself, the surface of the item being tracked, i.e., plastic vs metal, and the environmental conditions the RFID tag is expected to withstand.

Potential Applications for RFID Hang Tags

Asset Tracking – the asset id number programmed into the RFID tag plus the barcode and human readable number on Metalcraft's RFID Hang Tags can be used to track information about the asset the tag is attached to.

Returnable Containers – Metalcraft's RFID Hang Tags are perfect for tracking both metal and non-metal returnable containers such as pallets, bins, racks. RFID Hang Tags can also be used to track the contents of the containers themselves. Automate the process completely using a portal or fixed RFID reader.

Work-in-Process – the number programmed into the RFID tag plus the barcode and human readable on Metalcraft's RFID Hang Tags can identify a "batch" OR "lot" of product or just simply identify each product obtaining reads at every data collection point as it travels through the production process. And because they are not permanently affixed to the item they can easily be reused thereby maximizing your tag ROI.

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Specifications Data

Material	Polyester
Serialization	Bar code and human-readable equivalent is produced using the latest high-resolution digital technology available, which provides excellent clarity and easy scanning. Code 39 is the standard symbology with a range of 2.7 to 9.4 CPI (characters per inch). Optional symbology is Code 128.
Label Copy	The label copy may include block type, stylized type, logos or other designs
Colors	Standard colors include black, red, yellow, green or blue. Custom spot colors are also available at no additional charge. Due to contrast needed for the bar code scanner, all bar codes are black.
Standard Adhesive	Hanging tag
Frequency Range	860-960 MHz
Sizes	4.75" x 1.75", 2" x 1.5"
Packaging	Shipped in “work-out-of” cartons for convenient application.

Chemical Testing

Chemical Soak Test Results (24 hours): Test of label structure and printed image as well as readability of inlay.

Chemical Test Data

Test conditions	Result
Water	no effect
Glass cleaner	no effect
Bathroom cleaner	no effect
Alcohol	no effect
Acetone	Delaminated, inlay unreadable
NaOH	no effect
Nitric acid	no effect

Destructive Testing

Destructive Test Data

Temperature Testing

Temperature Test Data

Read Range Testing

Tag has a read range of 20+* ft using Motorola AR400 reader at 24 dbm

Read Range Test Data

Barcode Readibility Testing

Barcode Readability Test Data

Abrasion Testing

Abrasion Test Data

Label Adhesion Testing

Label Adhesion Test Data

Pull Testing

Pull Test Data

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