

NAIL TAG LF AND HF



Global Tag **NAILY** is an RFID tag specifically designed in a nail shape, allowing the transponder to be easily inserted into surfaces that can be drilled or perforated.

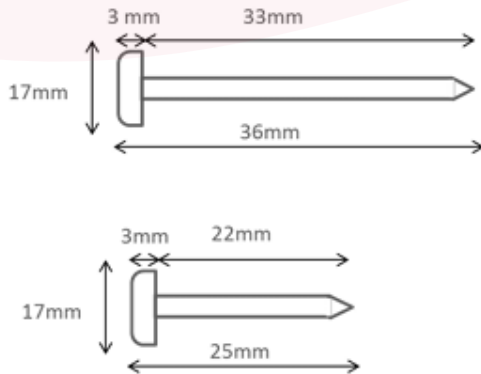
Its particular construction provides a simple and secure installation while keeping the RFID tag integrated directly into the identified object.

NAILY has been developed especially for tree identification and traceability, but it can also be used for tracking wooden assets and other applications where a nail-type mounting system is required.

The tag is available in LF and HF 13.56 MHz frequencies, including NFC technology, providing different RFID options according to the specific application and identification requirements.

MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS:

Dimensions: 36x17mm (max size) or 25x17mm (max size)



Weight: 5gr.

Material: PPS

Color: Black Color

Class Protection: IP68 (Totally protected against ingress of solid / Protected against long period of immersion)

Storage Temperature: -55°C (for 3h) to +120°C (for 2h) / -67°F (for 3h) to +248°F (for 2h) (for any other particular request contact us)

Operating Temperature: -25°C to +85°C / -13°F to +185°F

Weather Ability: Very Good, including UV resistance and sea water

Delivery format: Singulated

Expected lifetime: Years in normal operating conditions

Chemical resistance:

No physical or performance changes in (tested up to, more hours can be):

- 200 hours Salt water (salinity 35gr/L) exposure

- 200 hours NaClO (25% with water, Bleach) exposure

Values in the table are the best recommendations; resistance against environmental conditions depends on the combinations of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. We are available for other information.

CUSTOMIZATION OPTIONS:

Pre-Encoding: For NFC chip encoding memory with different type of NFC (E-mail, URI etc.)

CHIP SPECIFICATION AVAILABLE:

	LF 125Khz	HF 13,56MHz
Device type	N.D.	N.D.
Air interface protocol	N.D.	ISO15693 and NFC
IC Type Available	TK4100	I-Code SLIX, Mifare Ultralight, Ntag213
Read Range	3/4cm	3/4cm

APPLICATION NOTE:

Maintenance: NAILY is used for maintenance in many different environment.

Trees and Plants Traceability: NAILY, in particular with HF ISO14443 (NFC) chip, can be used for traceability and marketing information on plants and trees.

ORDER INFORMATION:

PRODUCT CODE: GT-NLY-xx (xx defined type of chip required)

On demand we can also produce transponders with different color or with other type of customization

Contact us for more information:

Global Tag Srl – Via Zanardelli 13/A 25062 Concesio (BS) - Italy

P +39 030 2005259

S global-tag

W www.global-tag.com

M sales@global-tag.com

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