



# Nail Tag



## UNIQUE NAIL-SHAPED RFID TAG EASILY HAMMERS INTO WOOD

- **Fast, secure installation** – tags are easily driven into place, and are nearly impossible to remove
- **Rugged reliability** – high resistance to moisture, thermal fluctuation, vibration and shock
- **Unsurpassed quality** – fully automated HID manufacturing and direct-bonding technology ensure dependable performance

The Nail Tag transponder makes tagging wood and other solid materials as easy as hitting a nail on the head. It is just one of many specialized radio frequency identification (RFID) tagging solutions available from HID Global. These tags are built for rugged treatment, featuring high resistance to moisture, vibration and shock.

A durable fiberglass housing protects embedded electronics during installation and use. The nail shape holds each tag securely in place. A standard drill hole allows the Nail Tag transponder to be mounted into dense materials.

Nail Tag transponders install quickly and securely into pallets and containers, enabling accurate real-time tracking, supplying organizations the data

needed to optimize industrial processes, workflow and inventory management.

Nail Tag devices are also used in forestry and research applications to tag living trees. Moisture resistance and stable performance across fluctuating temperatures ensure long-term performance.

The Nail Tag transponder is available with a standard low-frequency integrated chip containing a unique electronic identification number.

Custom integrated chip options are also available to match application requirements for processing speed and memory capacity.

### TECHNOLOGY HIGHLIGHTS:

- Low frequency, 125 kHz
- 64 bit read-only memory
- High resistance to moisture (IP67) and temperature fluctuation
- ISO 17364

**APPLICATION AREAS:**

- **Asset tracking and logistics**
  - High value construction supplies
- **Returnable transport items**
  - Pallets
  - Cartons and boxes

**SPECIFICATIONS**



HID can create a custom tag solution to fit your application requirements for chip type, dimensions, programming and materials.

Nail Tag	
<b>Base Model Number</b>	601901
<b>ELECTRONIC</b>	
<b>Operating Frequency</b>	125 kHz ± 6
<b>Chip Type</b>	Unique
<b>Memory</b>	64 bit read-only
<b>PHYSICAL</b>	
<b>Dimensions</b>	Ø 0.16 x 1.40 in (Ø 4 x 35.5 mm)
<b>Mounting Method</b>	Hammer*
<b>Affixes To</b>	Wood
<b>Housing Material</b>	Polyamid and fiberglass
<b>Color</b>	Black
<b>CHEMICAL AND MECHANICAL</b>	
<b>Water</b>	IP67, 68° F (20° C), 3.3 ft (1 m) x 1 h
<b>Vibration</b>	IEC 68.2.6 [10 g, 10 to 2000 Hz, 3 axis, 2.5 h]
<b>Shock</b>	IEC 68.2.29 [40 g, 18 ms, 6 axis, 2000 times]
<b>THERMAL</b>	
<b>Storage</b>	-13° to +185° F (-25° to +85° C), 1000 h
<b>Operating Temperature</b>	-13° to +185° F (-25° to +85° C)
<b>OTHER</b>	
<b>Standards</b>	ISO 17364
<b>Box Size</b>	2,000 pcs
<b>Warranty</b>	2 Years

\* Some materials, including hardwoods, may require a hole be drilled prior to tag insertion. Removal of tag for re-use may damage transponder.



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