

# LinTag™ Fixation Guide



## Introduction

HID Global LinTag™ UHF transponders are tiny textile tags that endure up to 300 commercial laundry cycles and are efficient to apply.

LinTag transponders apply securely and discreetly to textiles, enabling RFID tracking of high-volume, commercially laundered bed linens, towels and garments. These robust transponders withstand the rigors of repeated washings, including exposure to water, cleaning chemicals, sterilizing heat and pressure. The patented design guarantees consistent performance over the life of the tag.

LinTag is available in 3 versions: To be embedded into a pocket or hem, to be heat-sealed or to be sewn directly onto linen.



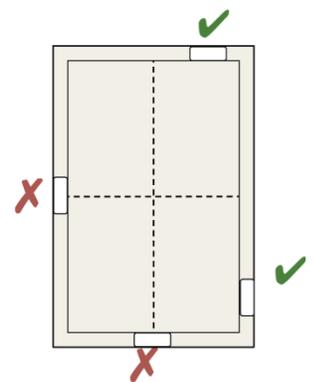
This document explains how to best affix the different versions of LinTag.

## General Tag Placement

Typically textile transponders like LinTag should be placed near the edge of the textile, e.g. into the hem or a washing label. Never place the tag on fold lines.

## LinTag™ Embed

The embed version needs to be inserted into a hem, pouch or cover sheet which is then stitched to the linen or garment. Choose this method if you want to continue using an existing process for affixing tags. To save time and money, by not requiring a pocket or pouch, HID recommends you use the Heat Seal tag or the Stitch tag.



## LinTag™ Heat-Seal

The heat-seal version of LinTag has the same form factor as the embed version, but one side is covered with a heat-seal glue to allow it to be ironed-onto textiles. In order to do that, proceed as follows:

1. Preheat heat press to 446°F (230° C).
2. Set the timer to 15 seconds.
3. Set the pressure to 80psi (90psi for thicker textiles)
4. Locate the tag with the adhesive side on the textile to the desired location. Then place the textile on the heat press pad with the tag being on the bottom and the textile on top facing the element. This is to insure that a complete bond is formed between the tag and textile.
5. Run the heat cycle.
6. Allow tag too cool.



### Note:

- It's recommended that before applying tags that you test your heat press element with a pyrometer to ensure the correct temperature is achieved.
- For best results conducting a further 5 second cold press after the heat cycle will insure the maximum bond with the textile.
- Allow the newly tagged textile to cool for 5 minutes before introducing it to any extreme conditions.

See here for a [video explaining the LinTag heat-seal process](#).

## LinTag™ Stitch

The stitch version of LinTag is 0.3 in (4 mm) wider than the other two LinTag versions. This allows the tag to be stitched directly onto a textile by a standard sewing machine without the need for an extra pouch. If the tag shall be concealed, it could either be placed into an opened hem or even inside a washing label. See here for a [video explaining the LinTag stitch process](#).



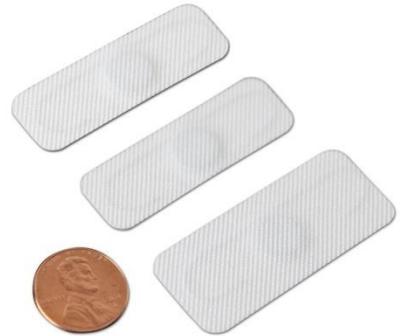
## Summary

The LinTag UHF transponder family has been optimized for the extremely harsh life cycle of commercial linens. In addition, HID Global offers a wide array of other laundry tags and frequencies for various use cases. See the [HID Commercial Laundry RFID Brochure](#) for details.

HID has a long history of RFID tag production in all major frequencies LF/HF/UHF utilizing chips from all the major IC manufacturers. HID tags are designed by Swiss/European engineering teams and made in HID's own ISO certified, fully automated, manufacturing plant. Automation ensures a high quality tag at an affordable price.

Complete custom manufactured designs are possible. HID tags are officially certified and tested against international standards for robustness. A direct bonding patent allows the production of micro-sized transponders that are highly robust. HID is a reliable supplier with global support and a worldwide partner network.

For further assistance, please contact your local HID partner or [tagsales@hidglobal.com](mailto:tagsales@hidglobal.com)



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7 April 2015 / hid-rfid-lintag-fixation-guide-wp-en PLT-02374