



LinTRAK[®] Fixation Guide

HID LinTRAK™ UHF tags are small RFID-enabled textile labels used to identify linen and garments and designed to endure over 200 commercial laundry cycles.

LinTRAK tags apply securely and discreetly to textiles, enabling RFID tracking of high-volume, commercially laundered bed linens, towels, curtains, and garments. These robust tags 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.

LinTRAK tags are available in different versions and sizes and there are different ways of fixing them to textile products. They can be inserted into a hem or pocket, directly heat-sealed or under an oversize patch according to the LinTRAK type, or sewn directly onto the textile item.

This document explains how to best affix the different versions of LinTRAK tags. Following these recommendations will ensure the best configuration for reading LinTRAK tags and guarantee their performance all along the life of the textile products.

POUCH INSERTION

LinTRAK tag is inserted into a hem, cover sheet or fabric pouch which is then stitched to the linen or garment.

HID Textile Services provides premium white fabric pouches, available in different sizes to perfectly fit a variety of LinTRAK tags. Contact us for details and prices.



HEAT-SEALING

HID's heat-sealable LinTRAK tags can be directly affixed onto textiles following our heat-sealing instructions:

1. Set the heat-seal press at 204°C (399°F)
2. Set the timer for 14 seconds.
3. Set the pressure to 4-5 bars
4. Place the tag with the adhesive side on the textile item to the desired location. Then run the heat cycle.
5. Allow a 5-minute cool down period before introducing the newly RFID-enabled item into harsh laundry processes.

LinTRAK tags can also be fixed onto the textile products under an oversize heat-seal label.



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 ensure the maximum bond with the textile.

SEWING

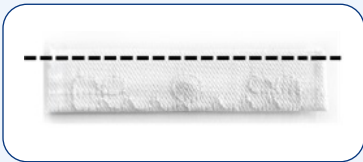


LinTRAK tags can be stitched directly onto the textile products using a standard sewing machine. When sewn as indicated, the LinTRAK tags will remain in position all along the laundry cycles, therefore providing optimal RFID performance.



Sewing 10mm LinTRAK Tags

For LinTRAK tags with a height of 10mm, we recommend inserting the tag into the hem of the textile item. Once positioned, secure the tag by sewing along the two lateral dotted edges. This ensures proper attachment while maintaining tag integrity and textile durability.



Sewing 15mm LinTRAK Tags

LinTRAK tags with a height of 15mm are best sewn along the horizontal edge. A dedicated 5mm sewing zone above the chip has been integrated into the design to facilitate secure and damage-free stitching. Alternatively, the tag can also be inserted into a hem and stitched along the two lateral dotted edges for a more concealed application.

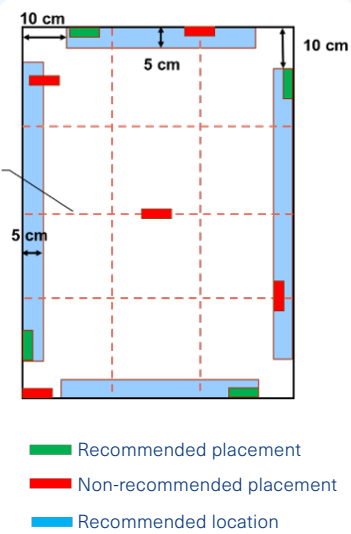


Inserting the LinTRAK tag under a fabric label or in a closed pocket allows for further discretion and protection.

WARNING:

- Do not sew over the tag chip.
- Sewing over the metallic thread is permitted.
- Do not cut any part of the LinTRAK tag as this will alter its overall reading performance.
- Do not microwave LinTRAK tags.

GENERAL TAG PLACEMENT



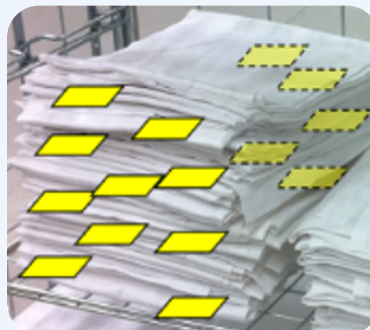
The placement of the RFID tag on a textile item is very important to guaranty durability and RFID performance. Typically, textile tags like LinTRAK should be placed near the edge of the textile, e.g. into the hem or a washing label. Never place the tag on fold lines and avoid placement of tag on corners of the textile item.

Tags should not be clipped by feeder, ironer or folding equipment.

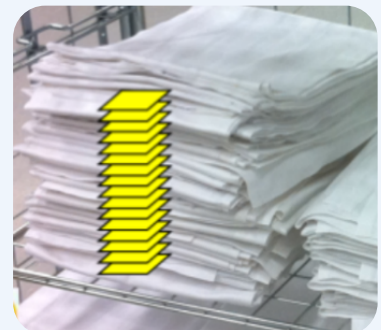
On Sheets, Pillowcases and Table Linen	LinTRAK tag placed inside the hem and sewn over at both ends.	LinTRAK tag sewn along the horizontal edge	
On Towels	LinTRAK tag inserted inside a textile pouch sewn to the towel	LinTRAK tag can also be sewn under a fabric label.	LinTRAK tag sewn discreetly inside the hem, following the sewing recommendations.
On Garments	LinTRAK tags should not be affixed where the garments will be folded. Tag location depends on the type and set up of the scanning equipment. For example, at the Loading Station, LinTRAK tag should be placed in front of the antenna during the garment loading operation.		 

TAG LOCATION DIVERSITY FOR THIN TEXTILE ITEMS

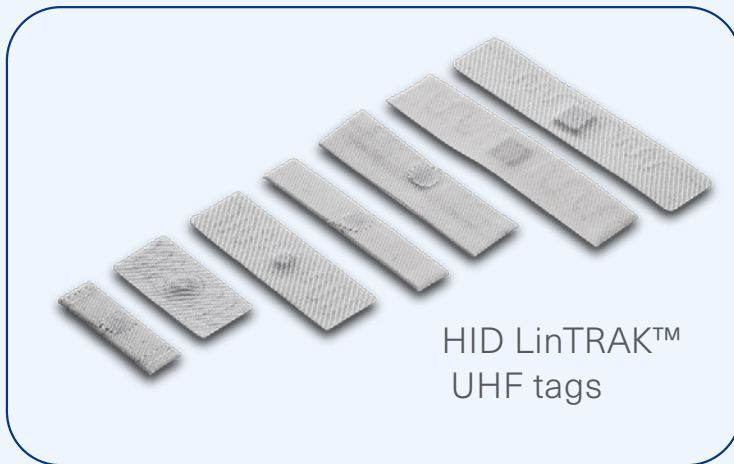
In order to optimize tag performance in very dense tag populations (stacks of folded items or cages filled with linen), especially with thin items, we recommend applying several tag locations on the textile items, in order to avoid perfect alignment of tags and affect the RFID read rate.



OPTIMIZED



UNFAVORABLE



The LinTRAK UHF tag family has been optimized for the extremely harsh life cycle of commercial linens and uniforms. Following HID Textile Services' tag fixation guidelines when integrating RFID tags into your textile products will ensure the durability and reliability of your identification and reading system at each step of the maintenance and distribution process.

With over 20 years of experience and technology expertise in the management of linen and garments for the hospitality and healthcare industries, HID Textile Services is recognized as a leading provider of a full vertical solution enablement that integrates seamlessly into existing laundry processes without disrupting component business. Our innovative and proven technology platform combines discreet RFID tags, innovative RFID hardware, and a leading-edge Cloud software solution and services. Our offer brings real-time linen inventory visibility throughout its entire life cycle from manufacturing, washing, maintenance, distribution, collection and stock taking.

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.

HID tags are officially certified and tested against international standards for robustness. 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

