

Accutech 100917-5

Secure Rivet for Wander Wearable



PRODUCT OVERVIEW

The Accutech 100917-5 Secure Rivet and Strap Configuration serves as a high-retention tamper-resistant attachment system engineered specifically for the ResidentGuard Wander Management architecture. Developed directly in response to clinical facility feedback, this accessory pack provides an updated, ultra-low-stretch band material alongside a custom secure rivet coupon designed to prevent unauthorized patient removal, slipping, or elopement. Engineered for seamless hardware compatibility with Accutech LC1400 (77L017) and LS2400 (77S017) Wander Wearable tags, this assembly replaces traditional hospital-style tracking bracelets with a sleek, low-profile design that closely mirrors a consumer fitness wearable.

ARCHITECTS AND ENGINEERS (A&E) SPECIFICATION

The resident wander management tracking system shall utilize the Accutech 100917-5 Secure Rivet and Strap Configuration for all designated patient wearable transponders. The strap assembly shall be constructed from a high-durability, biocompatible polymer blend featuring minimal structural elasticity to prevent the device from being stretched or slipped over the resident's hand or foot.

The structural locking mechanism shall utilize a specialized, multi-pack secure rivet coupon integrating an internal metal post layout capable of withstanding a continuous direct pull force of up to 75 lbs. without uncoupling or experiencing material failure. The installation configuration must support rapid, tool-less adjustment by authorized clinical staff while denying unauthorized removal by the resident. To lower visual curiosity and resident agitation, the complete wearable assembly shall feature a non-institutionalized cosmetic appearance with zero active status LEDs, flashing indicators, or exposed metal fastening hardware.

SYSTEM COMPONENTS

- Low-Stretch Wearable Bands (Qty 5): Specialized, non-elastic replacement bands engineered with high-tensile elongation limits to eliminate strap expansion.
- Secure Rivet Coupons (Qty 5): High-retention polymer locking coupons featuring an integrated internal metal post layout optimized for low-profile security.

- Compatible Primary Tracking Units (Sold Separately):
- LC1400 Wander Wearable Tag (Mfr. Part #: 77L017 / M2608)
- LS2400 Wander Wearable Tag (Mfr. Part #: 77S017 / M2609)
- Tag Diagnostics Controller Interface: Fully compatible with the Accutech Identification Tag Activator/Deactivator (ID-TAD) and Smart Tag Activator/Deactivator (S-TAD) for wireless tag provisioning, battery tracking, and warranty verification.

FEATURES AND BENEFITS

- 75+ Lbs. Direct Tamper Resistance: Heavy-duty internal metal post construction withstands high physical pulling forces to prevent unauthorized resident removal.
- Dignified Fitness Band Design: Mimics a modern consumer smart band rather than a psychiatric or institutional tracking bracelet, lowering targeted picking behaviors.
- Tool-Less Clinical Application: Streamlines nursing workflows by allowing authorized personnel to securely press and lock the coupon down without specialized pliers.
- Zero Visual Indication: Features an opaque, indicator-free exterior housing to avoid drawing visual attention from memory care or wandering-risk residents.
- Cost-Effective Component Reusability: Allows facilities to discard the low-cost band and rivet assembly upon patient discharge while retaining and sanitizing the high-value transponder tag.
- Anti-Stretch Material Engineering: High-durability composite polymer prevents structural laxity, keeping the tag securely in place over prolonged usage cycles.

PRODUCT SPECIFICATION

Manufacturer	Accutech Healthcare Security Solutions
Product Model Name	Accutech Secure Rivet for Wander Wearable
Part Number / SKU	100917-5
Pack Quantity	5 Bands & 5 Secure Rivets per package
Holding / Retention Force	> 75 lbs. (> 34 kg) of direct pressure
Internal Fastener Material	High-security reinforced metal post
External Coupon Material	Biocompatible, moisture-resistant polymer
Strap Material Type	Heavy-duty, low-stretch composite polymer
Strap Assembly Dimensions	2.25" W x 0.625" H x 0.875" D
Component Weight	0.5 ounces (Approx. 14.17 grams)

COMPLIANCE AND CERTIFICATION

- FCC ID Certification: Verified fully compliant under primary system master registration (FCC Grant ID: JM7-HWHY-662022) for low-power communication devices.
- UL Status: Engineered to meet standard UL 2560 evaluation parameters for emergency call and hospital signaling system peripherals.
- RoHS Status: Constructed entirely using lead-free, environmentally compliant components and manufacturing processes.
- Biocompatibility: Materials evaluated for continuous skin-contact applications, meeting clinical standards to minimize localized dermal irritation in elderly or sensitive populations.