

HDX High Performance Ultra EID Tag ISO Compliant



General Description

This generation of Tamperproof™ EID Tag has a unique design that provides the ultimate in usability, security and retention. This single use tag features a hard plastic Tamperproof cap. Transponder numbers are laser marked in a circular format on the edge of the tag.

Half Duplex Technology (HDX) is utilized with the High Performance Ultra EID Tag. HDX is a design principle whereby the transponder initiates the return signal to the reader/scanner/interrogator only after the end of the interrogation signal has been received and only after the storage capacitor has been fully charged in the transponder. The return signal is then only sent once, since the transponder has emptied its storage capacitor after it has sent its entire data content. This proven High Performance technology provides enhanced signal strength for maximum read distance.



Construction

The tag is white (1.18" Dia. X .280" Thick) Injection molded Polyurethane female with a black plastic Injection molded tamperproof cap. The hard cap of the ultra tag provides the highest degree of security available, as any attempt to remove the male tag from the female would cause the tag components to break, rendering them unusable.

Application

For proper application and to ensure that the transponder is not damaged during application, make sure that the raised portion of the Ultra Tamperproof EID tag is positioned at the front of the applicator jaw. Allflex HDX High Performance Ultra EID Tags use the same Universal Total Tagger Applicator (RED) as the traditional Tamperproof Visual Tags. To apply tags, install Red Blunt Applicator pin and remove Black or White insert. The New Ultra Retract-O-Matic may also be used to install this tag. Extended small males are used for placement in a deeper location in the ear. See Application Guide.

Ordering Information

SKU	Description
TFIW/GESMW-20	Ultra White EID Tag with Extended Small Male 20 count
TFIW/GESMW-50	Ultra White EID Tag with Extended Small Male 50 count
TFIW/GESMW-250	Ultra White EID Tag with Extended Small Male 250 count
TFIW/GESMW-1000	Ultra White EID Tag with Extended Small Male 1000 count

Allflex USA, Inc.

P.O. Box 612266 * Dallas/Fort Worth Airport, TX 75261-2266
800-989-TAGS (8247) * Customer Toll Free FAX 877-456-3969

Allflex Canada

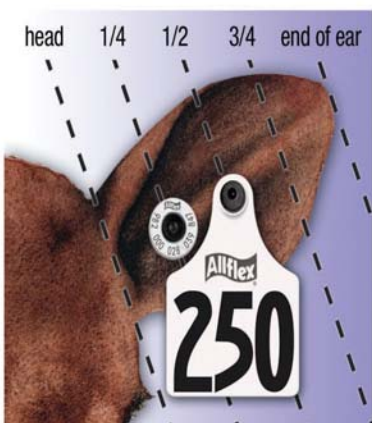
4135 Berard * St. Hyacinthe, Quebec J2S 8Z8
866-505-TAGS (8247) * FAX 450-261-8028

www.allflexusa.com

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SPECIFICATIONS

GENERAL	
RFID Compatibility:	ISO 11784 Compliant
Duplex Mode	HDX
Operating Frequency	134.2 KHz
Marking	15 Digit Laser Marked Number
Security	Tamper Proof Design
Application Options:	Universal Total Tagger/ Ultra Retract-O-Matic
Manufacturers Id Code	982 as per ICAR assigned Manufacturers code
Power:	Passive (inductively powered from transceiver reading equipment)
Agency Certifications:	ISO 11785/ ISO 11784/ ICAR Approved/FCC approved
PHYSICAL/ENVIRONMENTAL	
Dimensions:	1.18" X .280"
Weight:	8.9 Grams
Material:	Polyurethane
Color:	White with tete rigid cap
Operating Temperature	-0°C-+50°C (
RELIABILITY	
Expected Life:	10 years
PERFORMANCE	
Read Distance:	Up to 100cm (39.37") (Antenna and reading system dependant)



Recommended EID Tag Placement for Cattle

Application site must be free of foreign debris prior to placement of tags on the animal. Review application instruction prior to tagging.

1. The EID tag should be placed in the middle of the ear between the two cartilage ribs close to the head.
2. The female portion of the tag should be on the inside of the ear with EID tag application. Note that this is a thicker part of the ear. Application may be more difficult than when applying a visual tag.
3. **IMPORTANT:** Caution, "Free Air Space" is critical for proper healing and retention. Inspect placement after tagging to insure there is sufficient space between ear and EID tag.

