

The RFID stud and tamper-evident button can be applied using a number of standard tagging pliers.



The tough nylon universal RFID stud can be mated with a tamper evident dangle tag which is available in many color choices and custom design logos to provide both visual and RF identification.



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EIDAP Inc. markets RFID products to the animal marketplace in North America, including companion animals, livestock, zoo animals, fish, and exotics. EIDAP Inc. distributes stationary and handheld RFID readers for the cattle industry that read both HDX and FDX ear tags that meet the requirements of ISO standards 11784/11785 operating at 134.2 kHz.

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RFID Tags For Cattle



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Answers to FAQ:

What are RFID tags?

RFID tags are ear tags for cattle that carry a passive radio transmitter with a unique 15 digit number embedded in the microchip. When a scanning device activates the microchip, the transponder in the RFID tag transmits the embedded number back to the scanning device. Each tag has a unique 15 digit number. With 15 digits there are 999 trillion unique numbers available for animal identification.

Are your RFID tags full or half duplex?

The Trovan transponders in the RFID stud are full duplex (FDX). The transponders meet all ISO standards for animal identification.

What is the difference between full and half duplex?

When scanned, full duplex (FDX) transponders will communicate continuously with the scanning device. They simultaneously receive and transmit information to and from the scanner. A half duplex (HDX) transponder receives a signal from the scanning device and alternates transmitting and receiving at a very high rate of speed.

Is there an advantage to FDX vs. HDX?

Advocates of the HDX technology contend HDX technology has a longer read range. In our experience there is no read range advantage for the HDX technology. In addition HDX transponder performance is greatly impaired by interference from stray radio frequency (RF) waves. Full duplex transponders are much more immune to performance degradation from RF interference. RF interference is very common in modern cattle facilities from steel in the structures, electric motors and even some lighting fixtures.

EIDAP RFID ear tags for cattle consist of 2 parts:

A mushroom shaped universal stud with a transponder embedded in tough nylon



and a tamper-evident button shaped to fit deep in the ear between the ribs.



The EIDAP RFID stud is mushroom shaped to fit the contour of the back of the calf's ear.



Made of nylon, the RFID stud is resistant to stretching, tearing, and cutting. The mushroom shape helps resist snagging by strings, feeders, and fencing.