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Delta Metal Skin specifications

ON METAL ZIPRT3019300

The Delta Metal Skin is a low profile RFID label that works on and off metal. Ideal for asset tracking where space is limited.



Technical specifications

- **RF protocol:** EPC global Class 1 Gen 2, ISO/IEC 18000-6C
- **Frequency:** 65-868 MHz (EU)
- **IC type (chip)**[1]: Impinj M830
- **Chip memory**[2]: 128 bits EPC; 96 bits TID
- **Data storage:** Over 10 years
- **Read range:** fixed[3]
  - Up to 4.50 m on metal
  - Up to 4 m on plastic
- **Read range:** handheld[3]
  - Up to 2 m on metal
  - Up to 1.50 m on plastic
- **Polarization:** linear

Industry compliance

Key features

- **Thinnest profile:** thin, flexible label built for tight spaces and curved surfaces
- **Cost-effective:** smart choice for high volume, item-level RFID tracking
- **Versatile surface compatibility:** optimized for metal, plastic, and cardboard assets
- **IP68 protection:** engineered to withstand water, dust, solvents, and industrial chemicals

Applications

- WIP tracking
- MRO parts and components
- Automated warehouse
- Electronic devices
- IT assets
- Data centers
- Hospital equipment

Environmental specifications

- **Temperatures:**
  - Operational -40°C to +85°C
  - Survival -40°C to +85°C
- **IP rating:** IP68
- **Storage humidity:** 50±15%RH
- **Vibration:** MIL-STD-810G

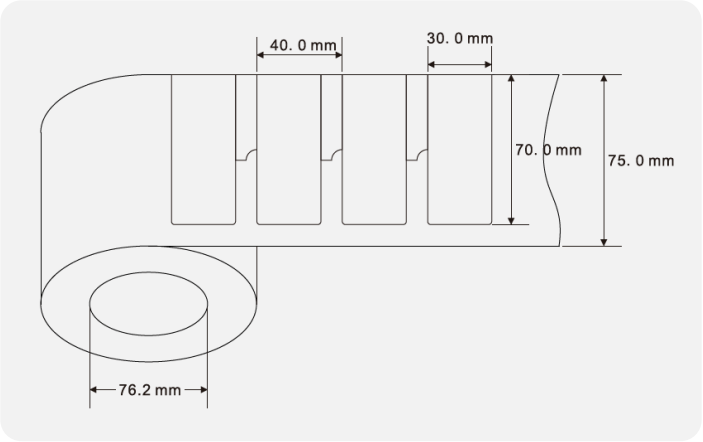
[1] The chip data retention is up to 50 years, based on chip operating under general environment conditions.

[2] EPC can be re-programmed or permanently locked, can not be password protected. TID is locked and unique at the point of manufacturing.

[3] Fixed reader. Actual read range may vary based upon use case and antenna power.

Physical specifications

- **Label material:** White thermal transfer face stock
- **Reel core inner dimension:** 76.2 mm
- **Dimensions (mm)**[1]: 70 x 30 x 0.4
- **Packaging:** 500 pcs/roll
- **Weight (roll):** 0.90 kg



Mounting systems

- Industrial adhesive

Installation instructions

- Clean the surface using isopropyl alcohol, an alcohol pad, or equivalent solvent to remove dust, oil, and debris that may affect adhesion.
- Handle by the edges and peel off the release liner without touching the adhesive.
- Position and apply the label at the desired location, pressing firmly and evenly for 5 seconds.
- Allow to set undisturbed for at least 15 minutes to ensure proper adhesive bonding.

Order information

- Delta Metal Skin EU: ZIPRT3019300

Customization options

- Encoding
- ATEX Certified Version
- Printing

[1] Tolerance: H=0.04(+/- 0.004); H=1(+/- 0.100)

Need more information?

You'll find additional resources and support at **zebra.com/gb/en/products/supplies/rfid-labels-tags**

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