



Xtreme Tag® Metal

Cascade's Xtreme Tag Metal is ruggedized for high performance data collection on any metal asset. This Ultra High Frequency (UHF) RFID tag is engineered with the highest protection rating in the RFID industry at IP68, making it waterproof and allowing it to withstand strong impacts, outdoor use, and a wide range of chemicals which are typical of industrial environments. The Xtreme Tag Metal can be attached simply with two rivets or two screws, so you can quickly make your entire container inventory smart in the field.

MAKE YOUR METAL CONTAINERS **SMART** FOR EASY & ACCURATE ASSET MANAGEMENT

USES

- Attach to any metal container, assign it to a specific location
- Verify service
- Track and manage your assets to improve business efficiency

ADVANTAGES

- **Cost-effective:** tag your containers in the field, attaches simply with 2 screws, rivets, or nuts and bolts
- **Engineered:** manufactured with plastic standoffs, spacing the tag from your metal asset for improved RFID readability
- **Rugged:** fully encapsulated, one piece RFID tag with the highest protection rating in the RFID industry at IP68

RELIABILITY

- Proven technology in use for waste and recycling since 2006
- Specifically designed to withstand extreme temperatures, seasonal weather, multiple impacts, and substantial vibration
- 5 year warranty





Xtreme Tag[®] Metal

PHYSICAL SPECIFICATIONS	
Tag Dimensions	5.8 L x 2.2 W x 0.3 H inches
Mounting Hole Diameter	0.21 inches
Weight	45 grams (0.1 pound)
Encasement Material	Glass-filled Nylon, rigid
Attachment Method	2 self-tapping screws, rivets, or nuts and bolts
RADIO FREQUENCY (RF) SPECIFICATIONS	
RF Protocol	UHF, EPC Class 1 Gen 2, ISO 18000-6C
Operating Frequency	860 - 960 MHz (Global)
User Memory	0 bit
EPC Memory	96 bit
Read Range (Typical)	10 feet
ENVIRONMENTAL SPECIFICATIONS	
Operational Temperature	-40°F to 185°F
Application Temperature	-40°F to 320°F
Humidity	40% to 80% RH
UV Stabilization	10 Years
Chemical Resistance	Water, Motor Oil, Hydraulic Oil, Dish washing Detergent, Windex, Gasoline, Isopropyl Alcohol, Mineral Spirits, Acetone, Bleach, 409 Cleaner or Fantastic All Purpose Cleaner, Methyl Ethyl Ketone (MEK), Machine Oil
ENVIRONMENTAL & PERFORMANCE TESTING*	
Ingress Protection (IP) Rating	IP68
Thermal Shock I In Accordance with IEC 60068-2-14 Test Nb	-4°F to 185°F
Thermal Shock II In Accordance with IEC 60068-2-14 Test Na	-40°F to 158°F
Pressure Test	241 Bar Water Pressure Washer (3500 PSI Water Pressure Washer)
Steel Ball Impact Test	1.8 kg ball drop from 1.52 meters 5 times (4 pound ball drop from 5 feet 5 times)
Maximum Water Submersion Depth	2.5 miles

* Testing performed in an A2LA Accredited Laboratory