

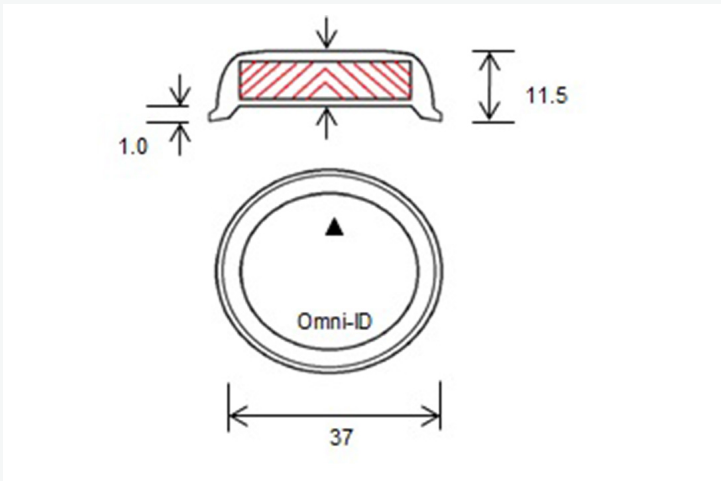
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Physical Specifications

Material	Durable thermoplastic material
Size	37 x 37 x 11.5 mm 1.46 x 1.46 x 0.45 in
Weight (g)	9.8
Attachment	Adhesive (standard)

Dimensions



Measurements shown in mm

Adept 500 GS

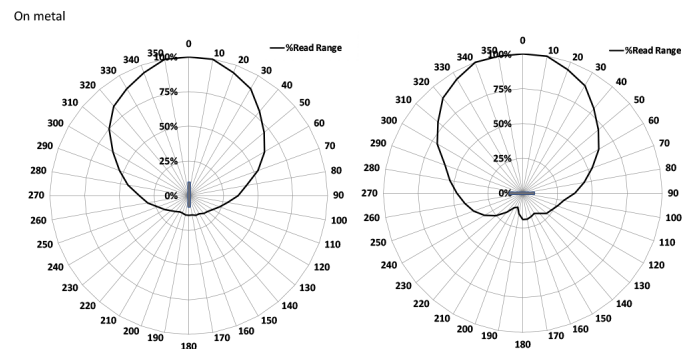
Omni-ID Adept 500 is a small circular UHF hard tag designed for permanent attachment to the shoulder of industrial gas cylinder assets. This RFID tag with its superior on-metal performance formed from durable high performance components, allows both portal and handheld reads in outdoor and harsh industrial environments.

RF Specification

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	860 - 930 (GS)
Read Range - Fixed Reader	Up to 12.0m (39.4 feet)
Read Range - Handheld Reader	Up to 5m (16.4 feet)
On Metal or Balanced	Optimized for metal
Material Compatibility	Metal
IC Type (Chip)	Monza R6-P
Memory	EPC - 128 (96) bits User - 32 (64) bits Unique TID - 48 bits

Quoted performance achieved using standard testing methodology. Read range is dependent on multiple factors such as; RFID reader transmit power and receiver sensitivity, asset material and environment. EPC and User memory are reprogrammable, UTID is locked at point of manufacture by IC manufacturer.

Radiation Patterns



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With its high performance on metal and highly impact resistant thermoplastic elastomer casing, Omni-ID Adept 500 is ideally suited to industrial gas cylinder assets with radius of curvature greater than 40mm.

- Gas Cylinders
- Beverage Kegs

Environmental Specifications

Operating Temperature	-20°C to +65°C
Long term Max Temperature exposure	+65°C
Short term Max Temperature exposure	+75°C
IP Rating	IP68
Shock & Vibration Tolerance	MIL-STD-810 F

Ordering Information

Warranty	1 year
Part Number / Order Codes / Order Numbers	CP16202 - No backing adhesive

Certifications

CE, RoHS, ATEX/IECEx certified (option), US&Canada (C1D1/D2) certified (option)



For product or technology inquiries email: sales@omni-id.com.
Visit omni-id.com to learn more about the complete line of **Omni-ID RFID** products