

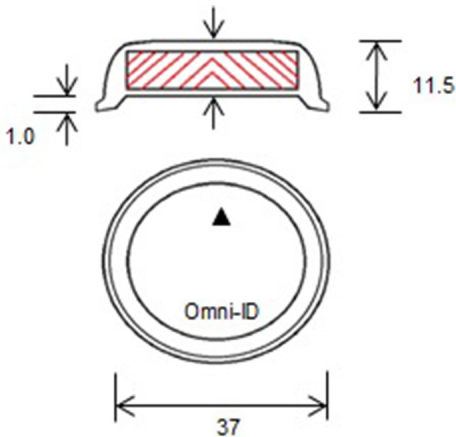
## [ Products ] you can identify with



### Physical Specifications

<b>Material</b>	Durable thermoplastic material
<b>Size</b>	37 x 37 x 11.5 mm, 1.46 x 1.46 x 0.45 in
<b>Weight (g)</b>	9.8
<b>Attachment</b>	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.

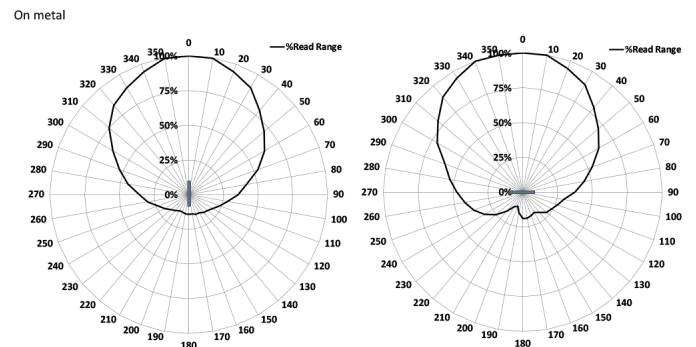


### RF Specifications

<b>Radio Protocol</b>	EPC Class 1 Gen2v2
<b>Frequency Range</b>	860 - 930 (GS)
<b>Read Range - Fixed Reader</b>	Up to 10.2m (33.5 feet)
<b>Read Range - Handheld Reader</b>	Up to 5.2m (17.1 feet)
<b>On Metal or Balanced</b>	Optimized for metal
<b>Material Compatibility</b>	Metal
<b>IC Type (Chip)</b>	Monza R6-P
<b>Memory</b>	EPC - 128 (96) bits User - 32 (64) bits Unique TID - 48 bits

Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware, output power 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

### Certifications

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



### Environmental Specifications

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

### Ordering Information

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

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