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Pipe

The Omni-ID Pipe tag is a high impact, limited life RFID tag designed specifically to address the rigors of pipe and cylinder storage and transport. The Pipe tag is ideally suited for track and trace of difficult-to-tag cylindrical assets that are subject to significant impact. The Pipe tag is a long-range, regionally-tuned tag with a removable strap attachment mechanism that minimizes the complexity of tagging pipes.

Physical Specifications

Material	Polypropylene structure and synthetic label
Size	79 x 74 x 20 (+/- 1) mm 3.1 x 2.9 x 0.79 (+/- 0.04) in
Weight (g)	44
Attachment	Strap (not supplied)

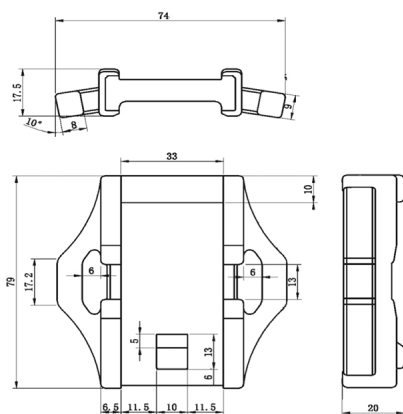
Product dimensions shown above are the maximum. Batch to batch variation could be within 5%. Unspliced sections will be within 0.2mm tolerance.

Applications

The Omni-ID Pipe was specifically designed for pipe and cylinder storage and management. Pipe tags are ideal for:

- Drill Pipe
- Bolsters
- Large cylindrical assets

Dimensions

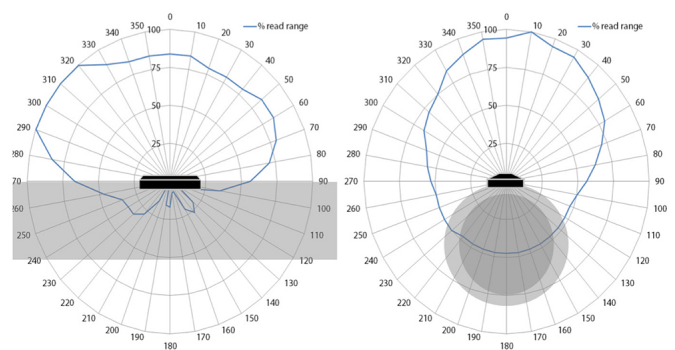


Dimensions stated in mm

Measurements shown in mm

Radiation Patterns

On Pipe



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Environmental Specifications

Operating Temperature	-40°C to +65°C
Long term Max Temperature exposure	+65°C
Short term Max Temperature exposure	+85°C
IP Rating	IP65
Shock & Vibration Tolerance	MIL-STD-810 G
Impact	25kg from 1m

Certifications

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



Operational Specifications

Radio Protocol	EPC Class 1 Gen2v2
Frequency Range	866 – 868 MHz (EU) 902 – 928 MHz (US)
Read Range – Fixed Reader	Up to 15m (49.2 feet)
Read Range – Handheld Reader	Up to 7.5m (24.7 feet)
On Metal or Balanced	Optimized for metal
Memory	EPC - 96 bits User - 512 bits Unique TID - 64 bits

Quoted performance achieved using standard testing methodology on Aluminium test plates. Read range is dependent on multiple factors such as; RFID reader transmit power and receiver sensitivity, asset material and environment. Please see the Omni-ID On Metal Labels User Guide for more detail.
2 EPC and User memory are reprogrammable. UTID is locked at point of manufacture by IC manufacturer.

Ordering Information

Warranty	1 year
Product Options	:303 (Customization) :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :701 (Standard Service Bureau)
Part Number / Order Codes / Order Numbers	030 - (EU, US)

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