



Omni-ID® Fit 400

Omni-ID Fit 400 is a small form factor, high performance RFID tag optimized for metal substrates. Designed for tracking small metal assets, Fit 400's high performance design provides handheld and portal compatibility. Fit 400 can also survive standard cleaning processes including autoclaves and is compatible with typical finishing processes, such as dipping, coating, heat shrinking and moulding for tools and other high value equipment.

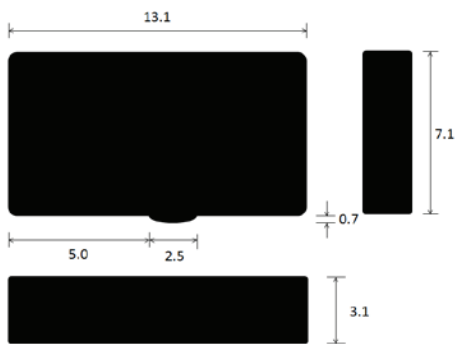
Building Intelligent Supply Chains

With its small form and high performance, Omni-ID Fit 400 tags are ideally suited to tracking small metal assets including :

- ▶ Metal Hand Tools.
- ▶ Metal IT assets including covert tracking.
- ▶ Embedding into metal components.

Physical Specifications

Encasement	Durable Paint
Size (mm) (tolerance)	13.1 x 7.1 x 3.1 +/-0.5
Size (in) (tolerance)	0.52 x 0.28 x 0.12 +/-0.02
Weight (g)	1.6



Dimensions stated in mm

RF Specifications

Protocol	EPC Class 1 Gen2
Frequency Range (MHz)	866-868 (EU) 902-928 (US)
Read Range (Fixed reader) ¹	Up to 4.0m (13.1ft)
Read Range (Handheld reader) ¹	Up to 2.0m (6.6ft)
Material Compatibility	On Metal only
IC Type (chip)	Alien H3
Memory ²	EPC - 96bits User - 512bits TID - 64bits

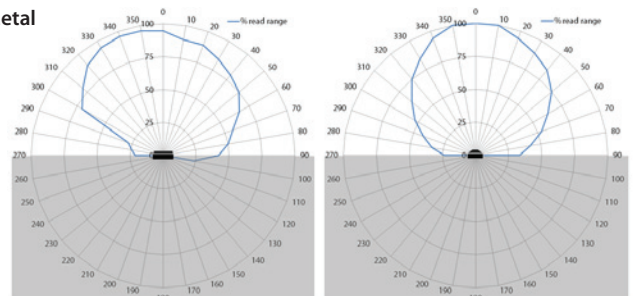
1. Quoted performance achieved using standard testing methodology. Read range will vary with reader hardware and output power.

2. EPC and User memory are reprogrammable, TID is locked at point of manufacture.

Radiation Patterns

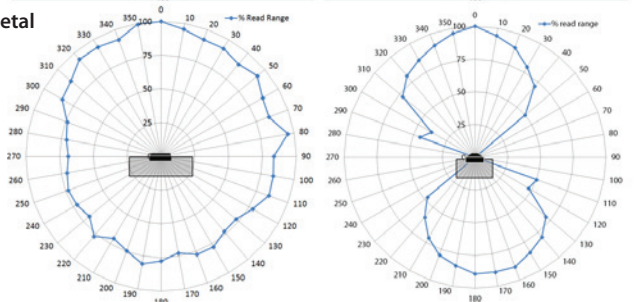
Large Metal

Sheet



Small Metal

Asset



Related Products and Services

- ▶ **Omni-ID Fit 200** - Extremely small footprint RFID tag for tracking very small metal assets.
- ▶ **Omni-ID Fit 400P**- Small footprint tag optimized for plastic assets.
- ▶ **Omni-ID Exo 400**- Small form factor, durable tag for applications involving higher impact requirements.
- ▶ **Service Bureau** - Omni-ID offers a full service bureau for printing and pre-encoding Omni-ID tags at point of manufacture.



Environmental Specifications

Operating Temperature	-40 to +85°C
Long term Max Temperature ¹ exposure - (days,weeks,years)	+120°C
Short term Max Temperature ¹ exposure - (minutes,hours)	+150°C
IP Rating	IP68
Shock and Vibration	MIL STD 810-F
Attachment	Permanent liquid adhesive (not included) Film adhesive (option)
Certifications	RoHS approved CE approved ATEX/IECEX certified (option) US&Canada (C1D1/D2) certified (option)
Warranty	1 year

1. Excludes adhesive options, consult adhesive data sheets for recommended temperature ratings.

Ordering Information

Order Numbers	051 – EU, US :304 (ATEX/IECEX certified) :307 (US&Canada (C1D1/D2) certified) :502 (film adhesive) :701 (Standard Service Bureau) :702 (Custom Service Bureau)
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Omni-ID office locations: US | UK | China | India | Southeast Asia
For product or technology inquiries email: sales@omni-id.com