# ABS1876 Trays



ABS1876-03 and ABS1876-06 Trays

## INTRODUCTION

Amphenol CIT ABS1876 family of trays, which were developed for the Airbus A350 aircraft, can also be used on all Airbus A3xx aircraft. The trays provide a 20% reduction in weight compared to the Amphenol CIT standard ABS1699 trays and meet:

» ARINC 600 Standards
» ABS1773 requirements specific to these aircraft platforms

All Amphenol CIT tray components are fabricated in our state-of-the-art manufacturing facility using high-quality materials to ensure a perfect fit and lifetime performance.

Our trays have integrated side seals to speed installation on cooled equipment shelves. The cooling holes are standardized to accept NSA939511-3 plugs for easy airflow adjustments. The ABS1876 family of trays feature our lightweight advanced thumbscrew hold-down, which is designed to meet the performance criteria of the ASNA2168 and ABS1773 standards.

## FEATURES

» 20% lighter than ABS1699 Trays
» Durable, rugged construction
» Lightweight aluminum alloy
» Clear Chem Film per MIL-DTL-5541, Type II, Class 3
» Materials meet flammability, optical smoke density, and toxic gas generation requirements of ABD0031
» RoHS compliant
» 24-hour AOG support

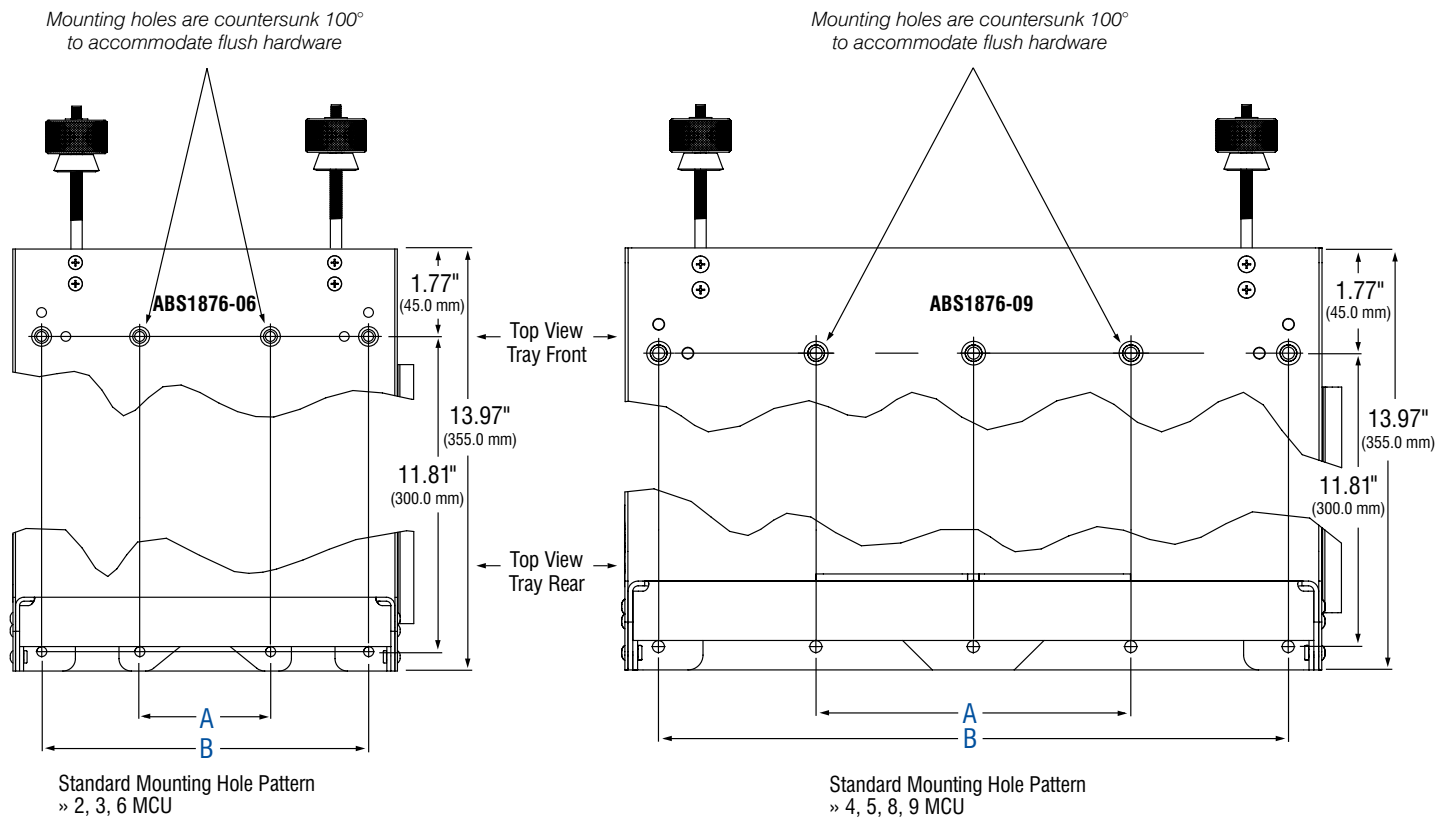## APPLICATIONS

» ABS1876
» ARINC 600 standards
» CFR Title 14 Part 25, 23 and 21
» RTCA/DO-160

# ABS1876 Trays

## MOUNTING PATTERNS

The following cut-away diagrams illustrate standard front and rear mounting hole placement for ABS1876 Trays. No.10 mounting holes are standard on all trays.
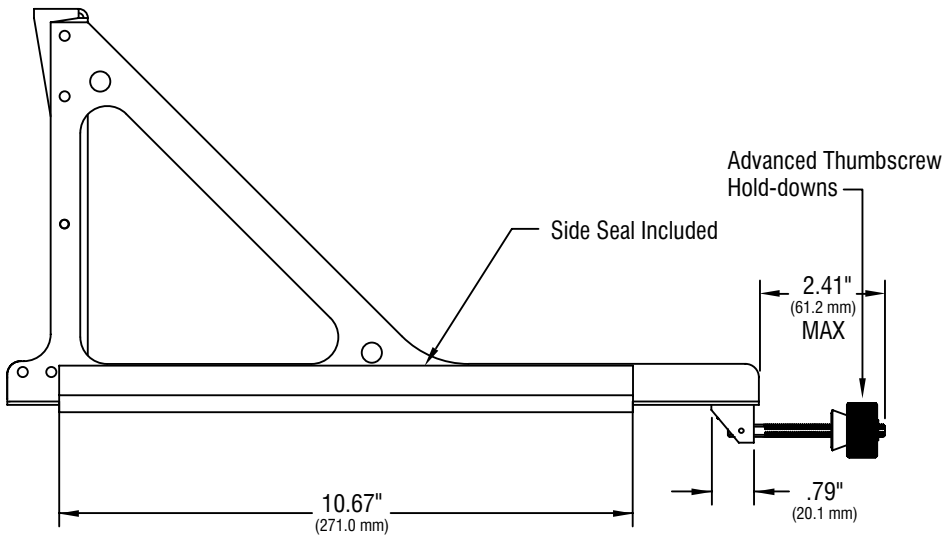
*Mounting holes are countersunk 100° to accommodate flush hardware*

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**ABS1876-06**

1.77" (45.0 mm)

Top View Tray Front

13.97" (355.0 mm)

11.81" (300.0 mm)

Top View Tray Rear

A
B

Standard Mounting Hole Pattern
» 2, 3, 6 MCU

**ABS1876-09**

1.77" (45.0 mm)

13.97" (355.0 mm)

11.81" (300.0 mm)

A
B

Standard Mounting Hole Pattern
» 4, 5, 8, 9 MCU

## MOUNTING DIMENSIONS: REFERENCE CHART

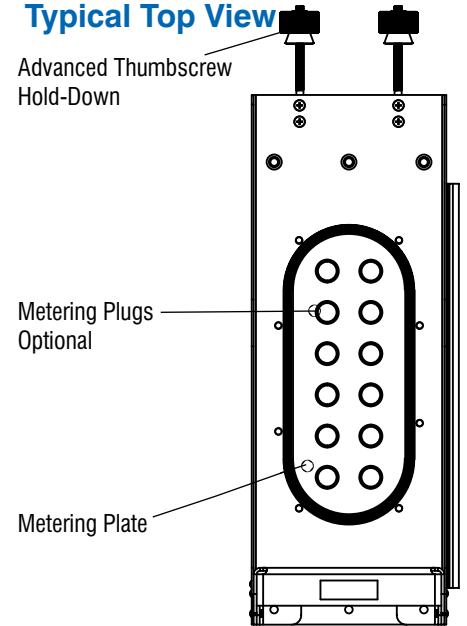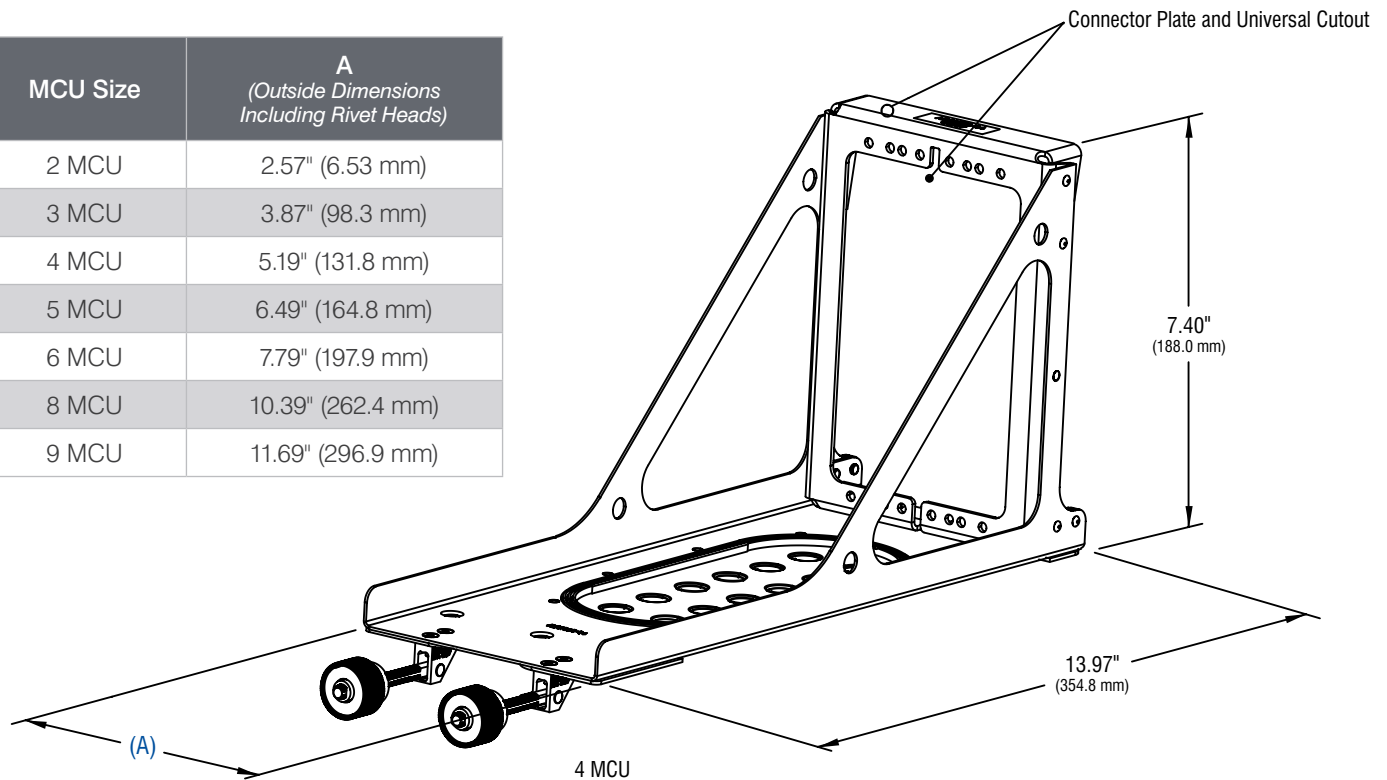| MCU Size | A | B |
|---|---|---|
| 2 MCU | 1.312" (33.3 mm) | - |
| 3 MCU | 2.624" (66.6 mm) | - |
| 4 MCU | 3.936" (100.0 mm) | - |
| 5 MCU | 5.248" (133.3 mm) | - |
| 6 MCU | 2.624" (66.6 mm) | 6.560" (166.6 mm) |
| 8 MCU | 5.248" (133.3 mm) | 9.184" (233.3 mm) |
| 9 MCU | 5.248" (133.3 mm) | 10.496" (266.6 mm) |

# ABS1876 Trays

## DIMENSIONAL DATA

**Typical Side View**

Side Seal Included

Advanced Thumbscrew
Hold-downs

2.41"
(61.2 mm)
MAX

.79"
(20.1 mm)

10.67"
(271.0 mm)

**Typical Top View**

Advanced Thumbscrew
Hold-Down

Metering Plugs
Optional

Metering Plate

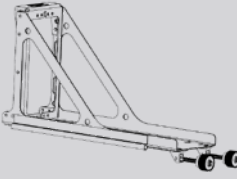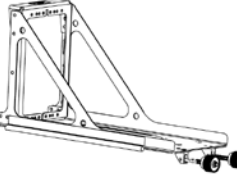| MCU Size | A (Outside Dimensions Including Rivet Heads) |
|---|---|
| 2 MCU | 2.57" (6.53 mm) |
| 3 MCU | 3.87" (98.3 mm) |
| 4 MCU | 5.19" (131.8 mm) |
| 5 MCU | 6.49" (164.8 mm) |
| 6 MCU | 7.79" (197.9 mm) |
| 8 MCU | 10.39" (262.4 mm) |
| 9 MCU | 11.69" (296.9 mm) |

Connector Plate and Universal Cutout
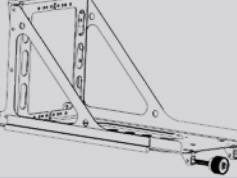
7.40"
(188.0 mm)
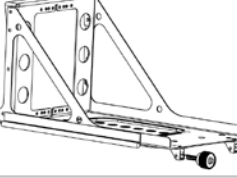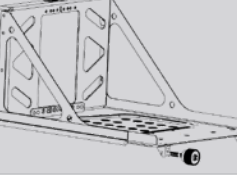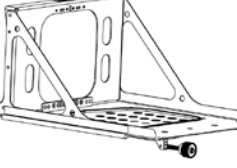
13.97"
(354.8 mm)

(A)

4 MCU
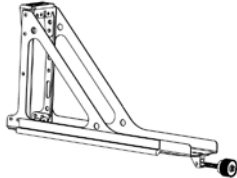
Custom Sizes Available: All dimensions shown represent our standard tray dimensions. However, we can customize any of these features to suit your specific needs.

# ABS1876 Trays

## OPTIONS & ACCESSORIES

Standard ABS1876 configurations shown. Custom configurations available.

| MCU Size | ABS1876 Standard P/N | Amphenol CIT P/N | Figure Illustration |
|---|---|---|---|
| 2 MCU | ABS1876-02 | 200-35085-101 |  |
| 3 MCU | ABS1876-03 | 200-35086-101 |  |
| 4 MCU | ABS1876-04 | 200-35048-103 |  |
| 5 MCU | ABS1876-05 | 200-35055-101 |  |
| 6 MCU | ABS1876-06 | 200-35062-101 |  |
| 8 MCU | ABS1876-08 | 200-137795-101 |  |
| 9 MCU | ABS1876-09 | 200-35077-101 |  |

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Cable & Interconnect Technologies

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