

# ABS1876 Trays



ABS1876-03 and ABS1876-06 Trays

## INTRODUCTION

Carlisle Interconnect Technologies' (CarlisleIT) 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 CarlisleIT standard ABS1699 trays and meet:

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

All CarlisleIT 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

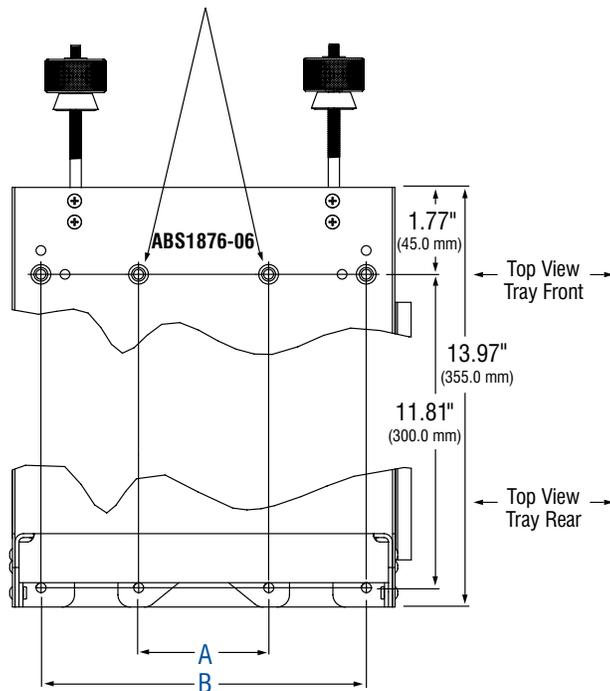
- » ABS1876
- » ARINC 600 standards
- » CFR Title 14 Part 25, 23 and 21
- » RTCA/DO-160

# ABS1876 Trays

## MOUNTING PATTERNS

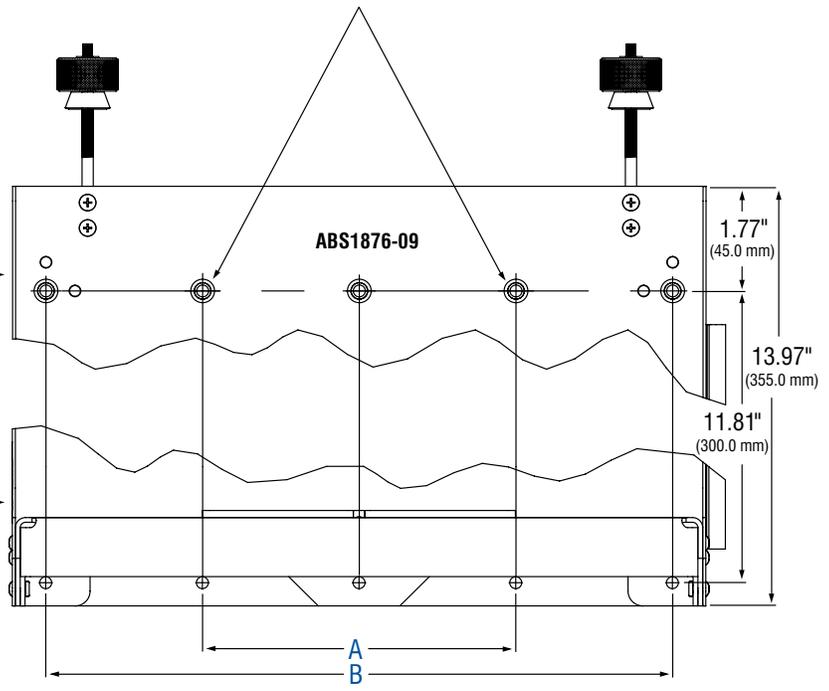
The following cut-away diagrams illustrate standard front and rear mounting hole placement for ABS1876 Trays. No. 10 mounting holes are standard on all trays.

Mounting holes are countersunk 100° to accommodate flush hardware



Standard Mounting Hole Pattern  
» 2, 3, 6 MCU

Mounting holes are countersunk 100° to accommodate flush hardware



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

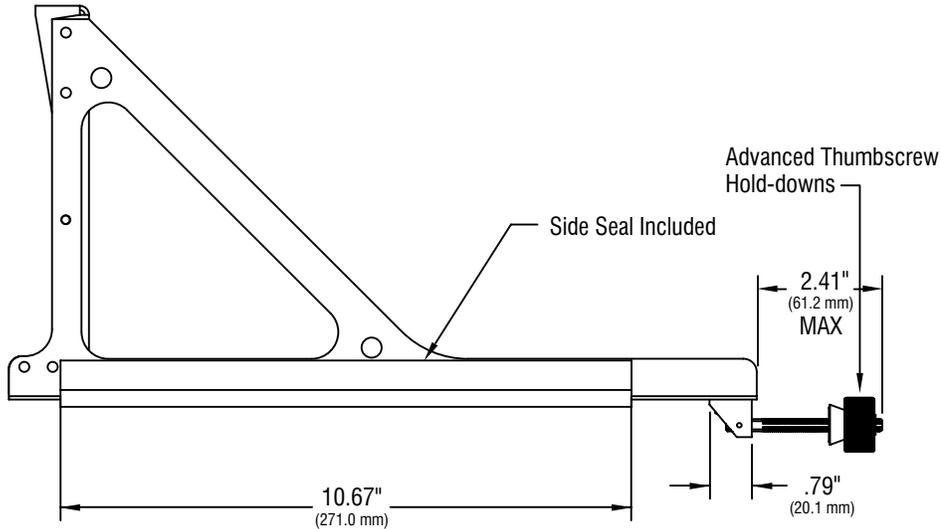
## MOUNTING DIMENSIONS: REFERENCE CHART

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)

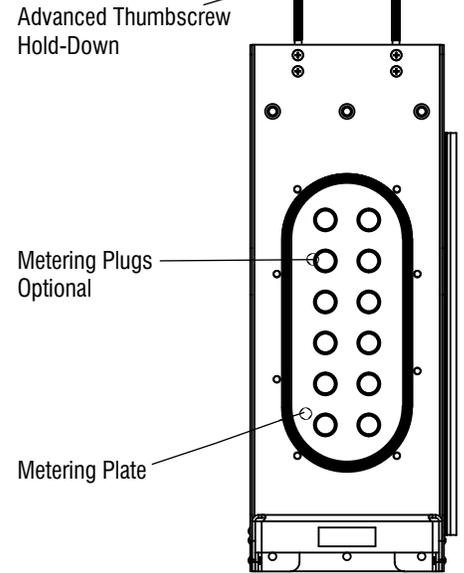
# ABS1876 Trays

## DIMENSIONAL DATA

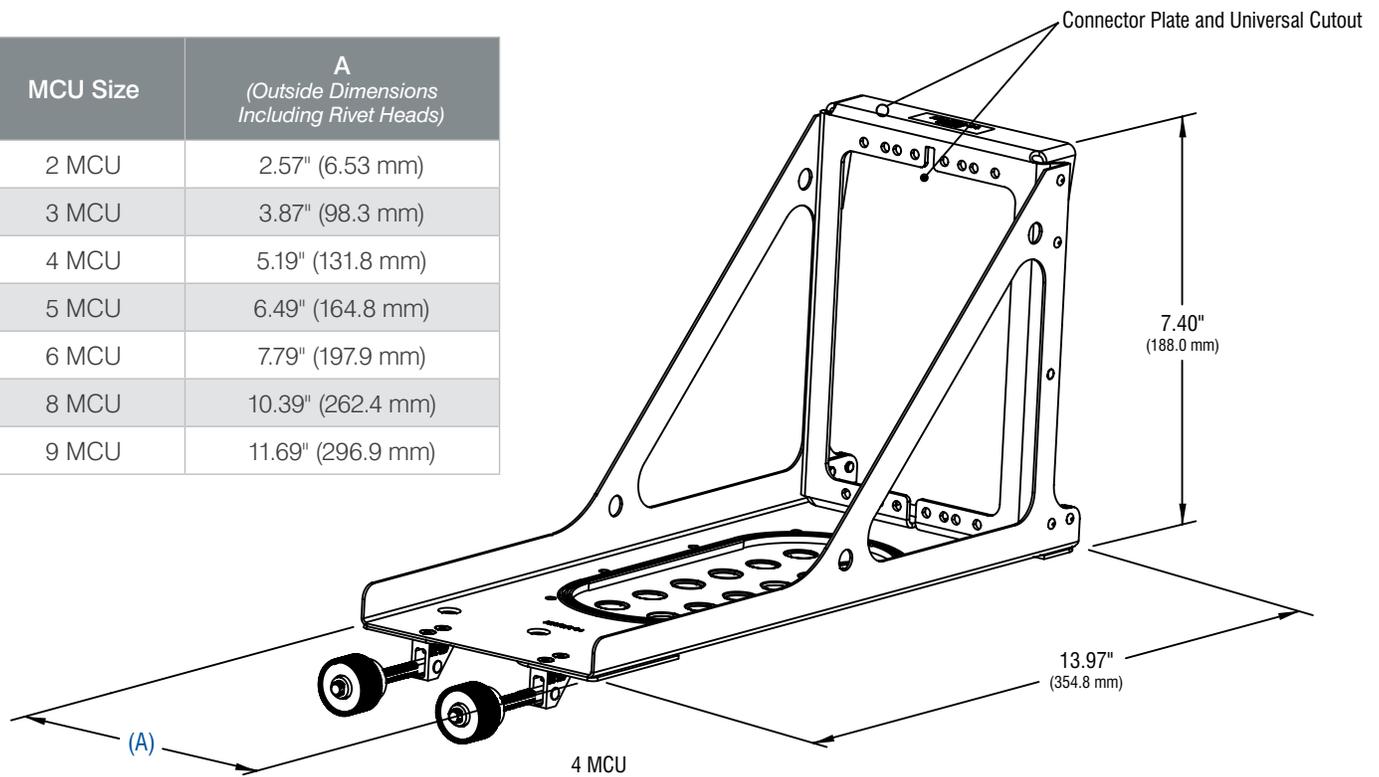
Typical Side View



Typical Top View



MCU Size	A (Outside Dimensions Including Rivet Heads)
2 MCU	2.57" (65.3 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)

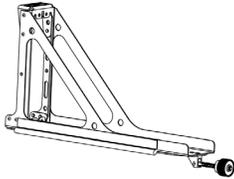
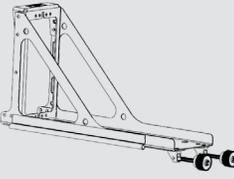
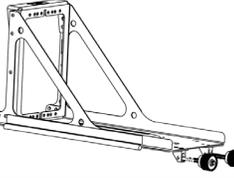
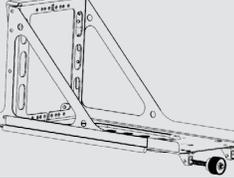
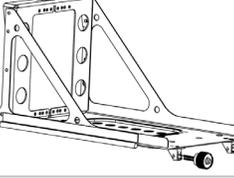
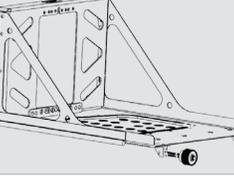


**Custom Sizes Available:** All dimensions shown represent our standard tray dimensions. However, we can customize any of these features to suit your specific needs.

# ABS1876 Trays

## OPTIONS & ACCESSORIES

Standard ABS1876 configurations shown. Custom configurations available.

MCU Size	ABS1876 Standard P/N	CarlisleIT 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	