ABS1699 Trays

ABS1699-03 and ABS1699-05 Trays

INTRODUCTION

Carlisle Interconnect Technologies' (CarlisleIT) ABS1699 family of trays are standard equipment on all Airbus A3xx aircraft. ABS1699 trays:

» Meet the standards of ARINC 600
» Meet requirements from ABS1773 specific to these aircraft platforms
» Have integrated side seals to speed installation on cooled equipment shelves
» Have cooling holes standardized to accept NSA939511-03 plugs for easy airflow adjustments
» Feature advanced thumbscrew hold-downs, which are designed to meet the performance criteria of the ASNA2168 and ABS1773 standards

All CarlisleIT trays and components are fabricated in our state-of-the-art manufacturing facility using top-quality materials to ensure a perfect fit and lifetime performance.

FEATURES

» 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

» ABS1699
» ARINC 600 standards
» CFR Title 14 Part 25, 23 and 21
» RTCA/DO-160

ABS1699 Trays

MOUNTING PATTERNS

The following cut-away diagrams illustrate standard front and rear mounting hole placement for ABS1699 Trays. No. 10 mounting holes are standard on all trays.
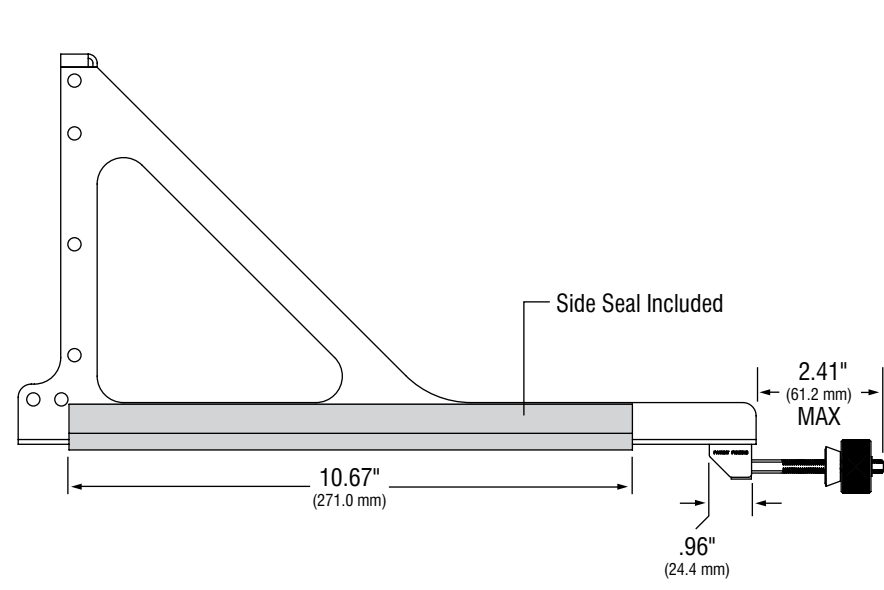
Standard Mounting Hole Pattern
» 2, 3, 6 MCU

Standard Mounting Hole Pattern
» 4, 5, 8, 9 MCU
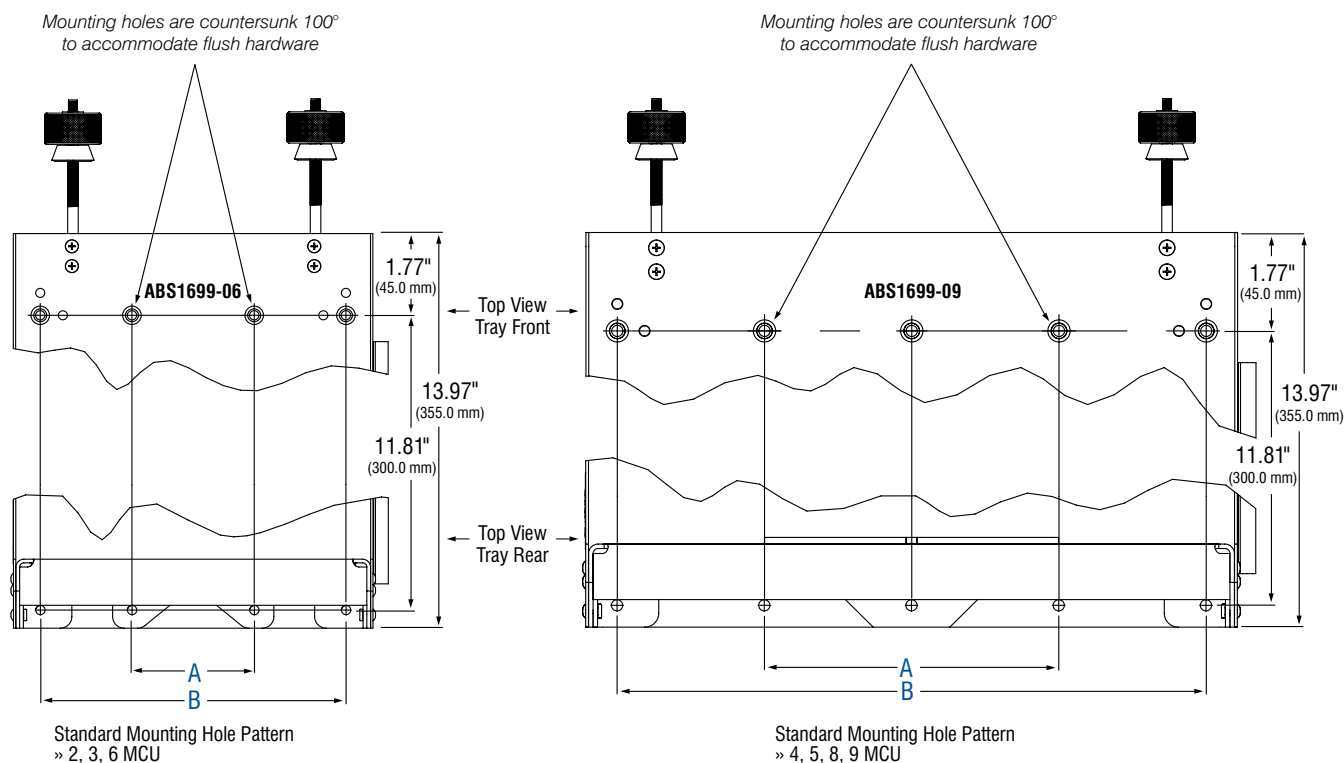
MOUNTING DIMENSIONS: REFERENCE CHART

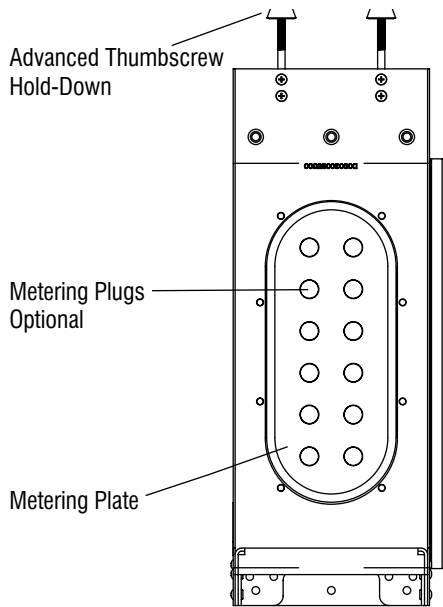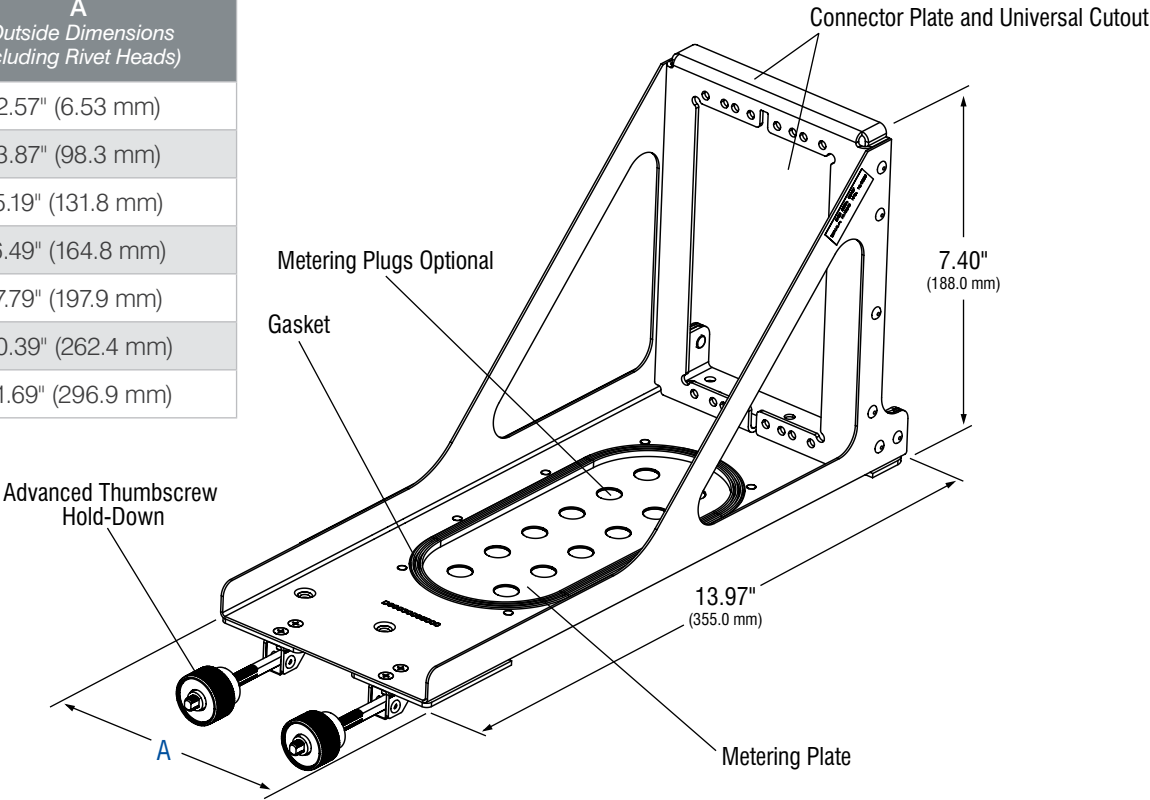| MCU Size	A	B
2 MCU	1.312" (33.3 mm)	-
3 MCU	2.624" (66.6 mm)	-
4 MCU	3.936" (100.0 mm)	-
5 MCU	5.248" (133.3 mm)	-
6 MCU	2.624" (66.6 mm)	6.560" (166.6 mm)
8 MCU	5.248" (133.3 mm)	9.184" (233.3 mm)
9 MCU	5.248" (133.3 mm)	10.496" (266.6 mm)

ABS1699 Trays

DIMENSIONAL DATA

Typical Side View

Side Seal Included

2.41"
(61.2 mm)
MAX

10.67"
(271.0 mm)

.96"
(24.4 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

Metering Plugs Optional

Gasket

7.40"
(188.0 mm)

Advanced Thumbscrew
Hold-Down
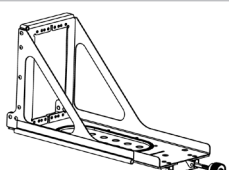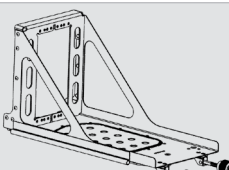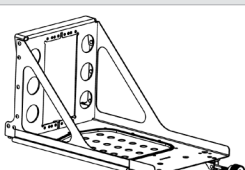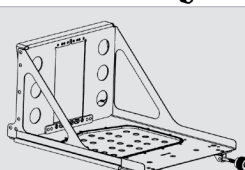
13.97"
(355.0 mm)

A

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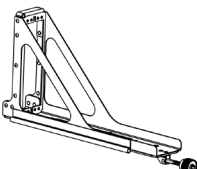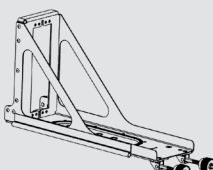
Custom Sizes Available: All dimensions shown represent our standard tray dimensions. However, we can customize any of these features to suit your specific needs.

ABS1699 Trays

OPTIONS & ACCESSORIES

Standard ABS1699 configurations shown. Custom configurations available.

MCU Size	ABS1699 Standard P/N	Airbus P/N	CarlisleIT P/N	Figure Illustration
2 MCU	ABS1699-02	D00030093000	200-23876-101	
3 MCU	ABS1699-03	D00030094000	200-23563-101	
4 MCU	ABS1699-04	D00030095000	200-23558-101	
5 MCU	ABS1699-05	D00030581000	200-28957-101	
6 MCU	ABS1699-06	D00030582000	200-28965-101	
8 MCU	ABS1699-08	D00030583000	200-28973-101	
9 MCU	ABS1699-09	-	200-25770-101	

CARLISLE
INTERCONNECT TECHNOLOGIES

See our complete line of trays at:
CarlisleIT.com/products/structures/trays

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