

STANDARD AND MINIATURE CABLE TIE ADHESIVE MOUNT BRACKETS

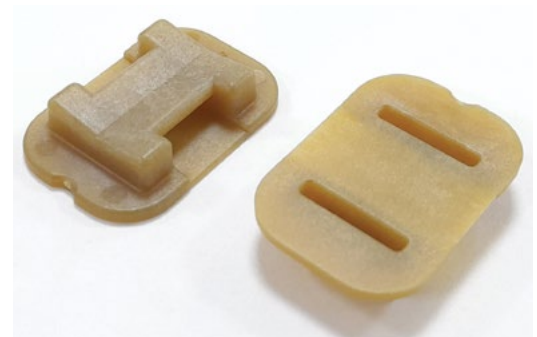
LIGHTWEIGHT ADHESIVE SADDLE BRACKETS OFFERING FAST AND EFFICIENT INSTALLATION

SAVE WEIGHT AND SPACE WHILE MAINTAINING PERFORMANCE

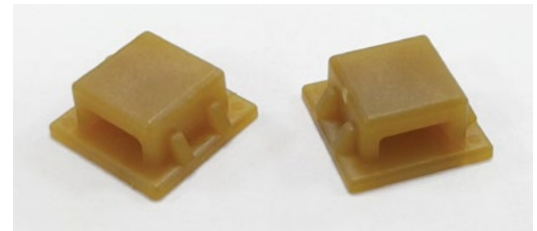
TE Connectivity (TE) offers cable management solutions that support equipment in pressurized and un-pressurized areas of an aircraft. Lightweight brackets offer faster installation with recommended adhesive, while maintaining structural integrity by eliminating drilled holes and modifications. Each standard and miniature bracket accommodates a range of cable bundle sizes to help reduce use of multiple hardware and part numbers.

PRODUCT FEATURES

- Product footprint takes up less space, supporting more space utilization for other functional requirements
- Both standard and miniature brackets utilize a range of industry standard cable tie sizes for ease of assembly
- The standard bracket's bonding surface pocket is one of the lightest in the current market, and enhances strength while providing a substantial weight savings of up to 16% per product
- V-groove in the cable seating area and the small notch at the bonding surface periphery both help improve ease of assembly on the standard bracket
- The miniature bracket features ribs for improved structural strength, while also helping to orient the bracket inline with the cable bundle path
- The reduced height of both brackets helps improve space utilization while supporting the harness to be positioned closer to the structure
- Brackets provide an ergonomic design, with a smooth surface over the edges and corners that helps improve ease of handling, while remaining suitable for other system interfaces
- Polyetherimide (PEI) 40% fiberglass raw material means structurally stable components with good resistance to aircraft fluids and other environmental loads



STANDARD



MINIATURE

BENEFITS

Quick

- Quick installation (bond and use) without use of fixtures/applicators with structural epoxy adhesives

Light

- Lightweight brackets with enhanced strength to weight ratio

Structural Integrity

- Adhesive bracket design helps eliminate drilled holes and structural modifications
- Reduces the chances of fatigue crack on metal surfaces due to incorrect drilling
- Brackets help avoid corrosion

Standardization

- Single bracket solution to help reduce multiple hardware and sizes

Standard and Miniature Cable Tie Adhesive Mount Brackets

Lightweight Adhesive Saddle Brackets

ORDERING INFORMATION

Description	Weight (g)	Part Number
Standard Cable Tie Mount Bracket	1.83	2400050-1
Miniature Cable Tie Mount Bracket	0.49	2400051-1

MECHANICAL SPECIFICATIONS

Load	Designed to hold up to 500 grams per bracket
Operating Temperature Range	-55°C to +85°C
Rapid Change of Temperature	-55°C to +85°C for 500 hrs or up to 500 cycles (1 cycle 30 mins at +85°C and 30 mins at -55°C)
Damp Heat Steady State	+40°C for 56 days
Endurance at Temperature	+85°C to 110°C for 1000 hrs or 50 cycles (1 cycle 10 hrs at +85°C and 10 hrs at +110°C)
Mechanical Vibrations per RTCA-DO160, Curve E. - Duration	1 hour per axis on 3 axes, to give a total test duration of three hours
Mechanical Shocks per RTCA-DO160	Severity: 6g at 20 ms. Number of shocks: 1 each way for each of the three directions (i.e. six shocks in total)
Propeller Vibrations	Applicable for aircrafts with turboprop engine. 1 hour per axis on 3 axes, to give a total test duration of three hours considering low altitude, high altitude and take off flight segments
Windmilling Vibrations	Applicable for aircrafts with jet engine. Tested from 3 Hz to 15 Hz for minimum 160 minutes
Fluid Resistance	Jet-A1, NATO H-515, Skydrol 500B4 and other aircraft fluids as per EN-3909 and EN2591-315
Transverse Pull Strength	100 N
Axial Pull Strength	400 N

MATERIALS

Polyetherimide 40% Fiberglass Material TCPN	1573351-1
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STANDARDS

Industry Standard Global Specifications	RTCA-DO-160, EN2591-304, EN2591-305, EN2591-404, EN2591-405, EN2591-315, EN3909
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SPECIFICATIONS

108-160611	Product Specification for Standard Cable Tie Mount Bracket
108-160612	Product Specification for Miniature Cable Tie Mount Bracket



TARGET MARKETS

- eVTOL
- Commercial air

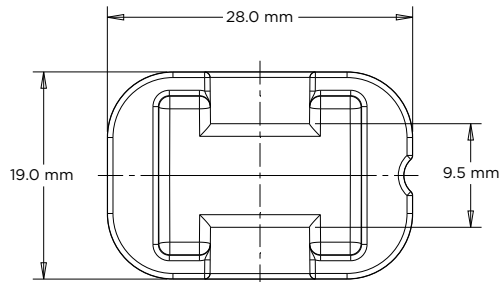
APPLICATIONS

Attachment of:

- Wiring and Cables
- Conduits and Surveillance Equipment
- Aerospace and Industrial Applications
- System Components
- Sensors and Lighting
- Acoustic Panels and Insulation Blankets

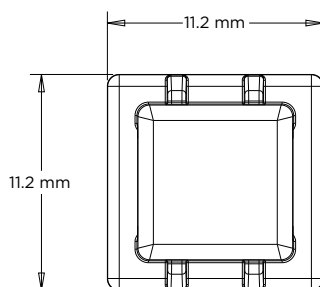
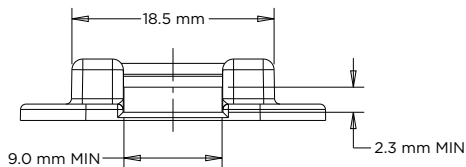
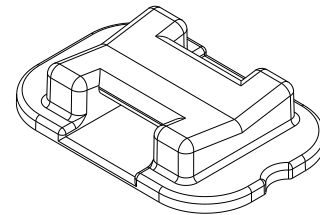
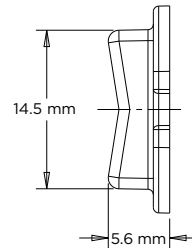
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Lightweight Adhesive Saddle Brackets



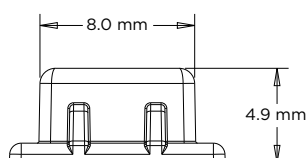
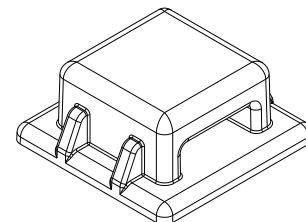
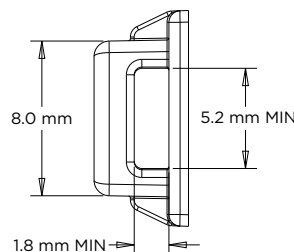
STANDARD CABLE TIE MOUNT

- Dimensions (mm): L-28 x W-19 x H-6
- Weight: 1.83 g
- Accommodates cable bundle size up to Ø2 inches
- Cable Tie Slot: 9 mm x 2.3 mm (Fits for MS3367 all size cable tie straps)



MINIATURE CABLE TIE MOUNT

- Dimensions (mm): L-11.2 x W-11.2 x H-4.9
- Weight: 0.49 g
- Accommodates cable bundle size up to Ø2 inches
- Cable Tie Slot: 5.2 mm x 1.8 mm (Fits for MS3367 -1, -2, -4, -5 & -7 size cable tie straps)



For More Information

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