

NEW! Stackable Aerospace Mount

specifications

The stackable aerospace mount shall provide essential bundle separation of critical aircraft wire routings. The mount shall be stackable to allow maximum density in cable pathways, and the threaded interfaces shall be compatible with existing aircraft secure-to-structure applications and meet the self-locking requirements of NASM 25027. The mount shall have a stainless steel corrosion-resistant backbone to provide structural rigidity and to facilitate installation with automated torque tools. The mount shall include a strap retention interface which shall be repositionable to allow alignment with pathway wiring after the mount backbone is completely installed. The mounts and cable ties shall be vibration tested in accordance with Section 8 of RTCA (Radio Technical Commission for Aeronautics) DO-160 to assure no failure or visible signs of abrasion to wires. The mount shall be smooth and free of sharp edges to minimize any mechanical stress on the wire bundle.



technical information

Weight:	1.31 lbs. (0.6 kg) per 100 pieces
Hex socket head opening:	7/32"
Bolt composition:	Corrosion resistant stainless steel bolt with coating per NAS 4006; female threads meet NASM 25027; male #10-32 thread interface
Mount style:	Stackable; two rungs that are repositionable
Material:	Stainless steel bolt; heat stabilized nylon 6.6 hub
Temperature rating:	-76°F (-60°C) to 239°F (115°C)
Halogen-free:	Yes
RoHS compliant:	Yes

key features and benefits

Lighter weight than other fastening systems	Stackable mount and cable tie combination replace multiple p-clamps, nuts and bolts, and similar stackable harness mounts for a more cost-effective solution
Mount includes two rungs that can be repositioned by hand	Allows rotation of the mount to a position that facilitates bundle attachment and prevents mechanical stress on the bundle; quick and easy method to assemble wire harness bundles reduces installation time and operating expense
Fully radiused edges	Prevent wire abrasion and provide secure attachment with minimal mechanical stress on wire bundle
Stackable design with stainless steel backbone	Provides strength and rigidity to allow stacking of multiple mounts to support larger bundles to achieve maximum density; allows consistent installation process for reliable results; can be installed with power tools
Corrosion resistant stainless steel bolt with coating per NAS 4006	Provides a long service life; protects against corrosion and galvanic reaction and facilitates threading
Female threads meet NASM 25027	Utilizes industry standard secure-to-structure interface and prevents mount from backing out of the structure
Male #10-32 thread interface	Permits backward compatibility with older aircraft

applications

The stackable aerospace mount can be used with *CONTOUR-TY*® Cable Ties to secure wire harnesses to the structure of an aircraft frame, especially useful at bulkheads and cable pathways. The stackable design allows for multiple configurations to maximize utilization of pathway space and minimize weight.

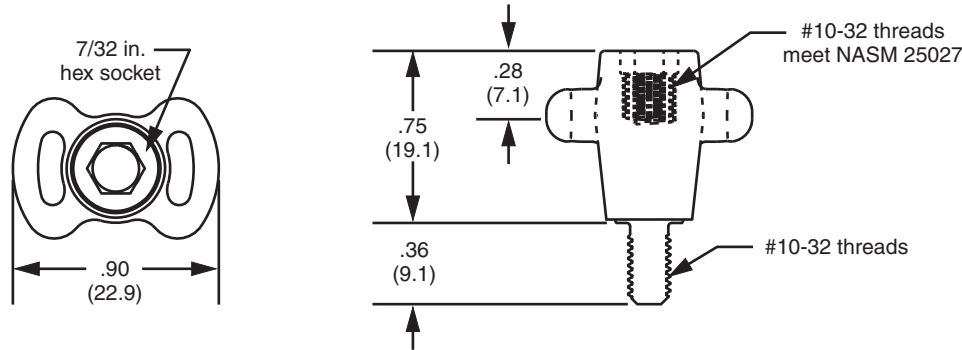
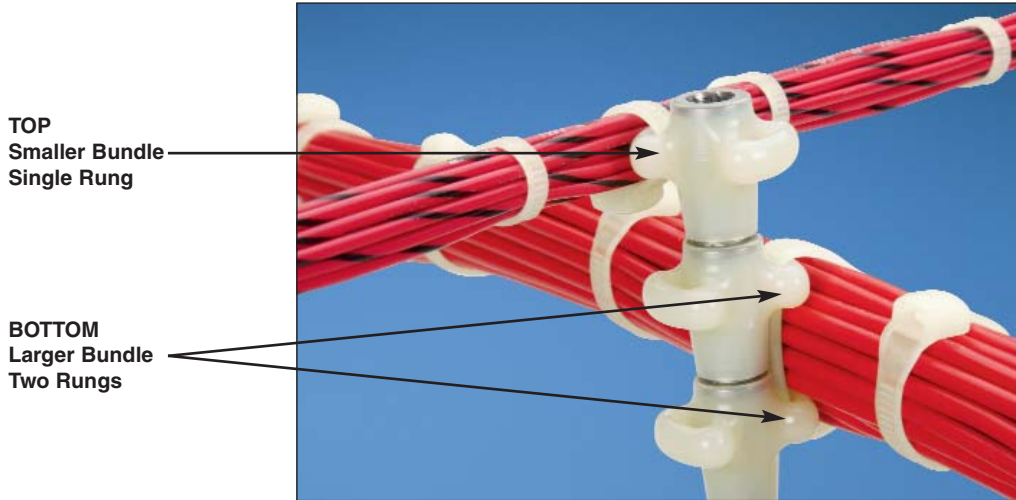
Stackable Aerospace Mounts	
Stackable mount:	SAMSS-C39
Related Products	
CONTOUR-TY® Cable Ties	
Miniature Cross Section Tensile Strength = 18 Lbs. (80N)	
4.1" (104mm):	CBR1M-‡
5.6" (142mm):	CBR1.5M-‡
Intermediate Cross Section Tensile Strength = 40 Lbs. (178N)	
5.9" (150mm):	CBR1.5I-‡
Standard Cross Section Tensile Strength = 50 Lbs. (222N)	
7.6" (193mm):	CBR2S-‡
10.8" (274mm):	CBR3S-‡
14.0" (356mm):	CBR4S-‡
Heavy-Standard Cross Section Tensile Strength = 85 Lbs. (378N)	
8.0" (203mm):	CBR2HS-‡
Light-Heavy Cross Section Tensile Strength = 120 Lbs. (534N)	
14.6" (371mm):	CBR4LH-‡
20.9" (531mm):	CBR6LH-‡

‡ Add appropriate suffix to designate material/color. See *CONTOUR-TY*® Cable Ties product bulletin number WW-CTCB31 or the *PANDUIT* website for a complete list of available materials and colors.

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Application guidelines

The stackable aerospace mount can be used to secure wire harnesses to the structure of an aircraft frame. The stackable design allows for multiple configurations which maximize utilization of pathway space while minimizing weight. It is recommended that larger bundles (diameter > 0.75 in. [19mm]) be secured with a cable tie through two rungs as illustrated below (bottom). Smaller diameter bundles can be secured using a cable tie through a single rung as illustrated below (top). Rungs can be repositioned for bundles that do not run parallel to each other (as shown).



Recommend the use of **PANDUIT® CONTOUR-TY® Cable Ties** for aircraft wiring applications

- Outside teeth and smooth round edges protect cable jacket – ideal for high vibration applications
- Low profile head avoids snags and reduces overall bundle size

Dimensions are in inches (Dimensions in parentheses are metric)

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