

Fir Tree Harness Mounts

specifications

Fir tree harness mounts shall provide over fifty pounds of pull-out force when attached to wire harness assemblies, cables, and corrugated loom tubing. Suitable attachment methods include vinyl tape, Mylar* tape, and cable ties.

The winged mounts shall be designed for pre-installation, allowing the finished wire harness to be installed in 6.3 to 7.1mm through holes. The fir tree barb design shall be compatible with all existing fixtures and automatic inspection systems and insert into a wide range of panel thicknesses and hole sizes with a maximum insertion force of 14 lbs.

The preferred material for transportation and OEM mounts and cable tie assemblies is heat stabilized Nylon 6.6.



technical information

Material:	Heat stabilized Nylon 6.6
Flammability:	Meets UL94 V-2, passes FMVSS 302
Color:	Black and Natural
Application temperature range:	-40°C to 115°C (-40°F to 239°F) continuous
Chemical resistance @ 21°C:	Excellent resistance to common transportation fluids including: ethylene glycol, gasoline, jet fuel, hydraulic fluid, transmission fluids and 10% sodium chloride solution
RoHS compliant:	Meets 2000/53/EC ELV standards and all industry standards for hazardous material content

key features and benefits

Unique alternating barb design	Provides increased retention and lower insertion force, reducing operator fatigue and improving productivity
36mm or 55mm tabs	Provides options for fastening methods allowing greater design flexibility
Heat stabilized Nylon 6.6	Rated for service conditions -40°C to 115°C (-40°F to 239°F), providing an extended service life and high temperature resistance
Production Parts Approval Process (PPAP), 3-D, and International Materials Data Sheet (IMDS) capabilities	Meets the needs of Verband der Automobilindustrie (VDA) and Automotive Industry Action Group (AIAG) compliant documentation, allowing parts to be listed in IMDS site ID

applications

PANDUIT fir tree harness mounts are a reliable and cost-effective solution for securing wire harness assemblies, cables and corrugated loom tubing in the automotive, marine, white goods, heavy equipment and

mass transit-rail markets. Designed for 6.3 to 7.1mm through holes and .8 to 7.0mm panel thicknesses, the fir tree harness mounts insert easily and exceed manufacturers' requirements for primary wire harness anchors.

*Mylar is a registered trademark of E.I. du Pont de Nemours and Company.

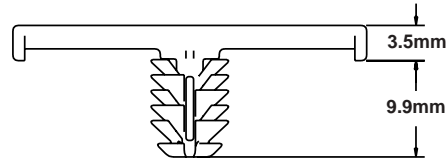
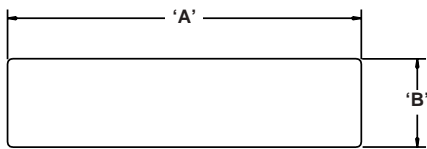
Fir Tree Harness Mounts

55mm (2.20") overall	
length, natural:	THMSC55H07-M39
55mm (2.20") overall	
length, black:	THMSC55H07-M30
36mm (1.40") overall	
length, natural:	THMSC36H07-M39
36mm (1.40") overall	
length, black:	THMSC36H07-M30

Fir Tree Harness Mounts

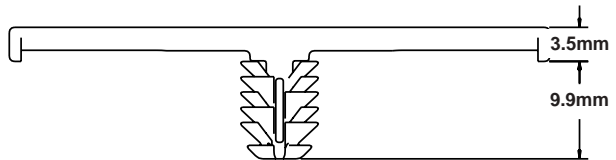
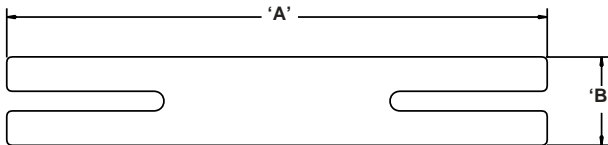
36mm Fir Tree Harness Mounts

Part Number	Color	Used with Cable Ties	Overall Length A		Overall Width B		Panel to Top of Mount		Panel Thickness Range		Hole Size Range		Std. Pkg. Qty.	Bulk Pkg. Qty.
			In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
THMSC36H07-M39	Natural	M, I, S	1.40	36.0	.354	9.0	.138	3.5	.030 – .276	.8 – 7.0	.248 – .276	6.3 – 7.1	100	1000
THMSC36H07-M30	Black	M, I, S	1.40	36.0	.354	9.0	.138	3.5	.030 – .276	.8 – 7.0	.248 – .276	6.3 – 7.1		



55mm Fir Tree Harness Mounts

Part Number	Color	Used with Cable Ties	Overall Length A		Overall Width B		Panel to Top of Mount		Panel Thickness Range		Hole Size Range		Std. Pkg. Qty.	Bulk Pkg. Qty.
			In.	mm	In.	mm	In.	mm	In.	mm	In.	mm		
THMSC55H07-M39	Natural	M, I, S	2.20	55.0	.354	9.0	.138	3.5	.030 – .276	.8 – 7.0	.248 – .276	6.3 – 7.1	100	1000
THMSC55H07-M30	Black	M, I, S	2.20	55.0	.354	9.0	.138	3.5	.030 – .276	.8 – 7.0	.248 – .276	6.3 – 7.1		



Recommended Cable Ties

Part Number	Color	Material	Length		Width		Thickness		Max. Bundle Diameter		Min. Loop Tensile Strength		Std. Pkg. Qty.	Bulk Pkg. Qty.
			In.	mm	In.	mm	In.	mm	In.	mm	In.	mm†		
PLT1M-M30	Black	Heat Stabilized Nylon 6.6	3.9	99	.098	2.5	.043	1.1	.87	22	18	80	100	1000
PLT1.5I-M30	Black	Heat Stabilized Nylon 6.6	5.6	142	.142	3.6	.045	1.1	1.38	35	40	178		
PLT1.5M-XMR30*	Black	Heat Stabilized Nylon 6.6	5.6	142	.100	2.5	.036	0.9	1.31	33	18	80		
PLT2S-M30	Black	Heat Stabilized Nylon 6.6	7.4	188	.190	4.8	.052	1.3	1.88	48	50	222		

*For use with PAT1.5M Automatic Cable Tie Installation System
 ‡Order in multiples of standard package quantities

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