# **Push Mounts and Assemblies**



Push Mounts with Umbrella

PUM-049-M30

4.6mm – 4.9mm

diameter range:

(.18" - .19")

panel hole

## specifications

Fasteners for automotive wire harnesses shall provide fifty pounds of pull-out force with no more than 45° maximum rotation of the installed bundle. When installed in the panel, the fastening method shall firmly retain a minimum wire gauge of 12 AWG within ± 10mm (.394") of the initial installation point. The mounts shall require no more than 14 pounds of insertion force. Mounts with wider cable tie slot capability may have a proportionately higher insertion and pull-out capability. Mounts shall be self-tensioning to prevent rattles and degradation of the mount over the life of the vehicle. The material for the mounts and the cable ties shall be heat stabilized Nylon 6.6, black. Application temperature range shall be -60°C to 115°C (-76°F to 239°F).

## technical information



		diameter range:	PUM-1		
Material:	Heat Stabilized Nylon 6.6	8.8mm – 9.3mm			
Flammability:	ility: Meets UL94 V-2, passes FMVSS 302				
Color:	Black	panel hole diameter range:	PUM-9		
Application temperature range:	-60°C to 115°C (-76°F to 239°F) continuous	Push Mount Assen with Pan-Ty® Cable			
Chemical resistance at 21°C (70°F):	Excellent resistance to common transportation fluids including: ethylene glycol, gasoline, jet fuel, hydraulic fluid, transmission fluids and 10% sodium chloride solution	4.6mm – 4.9mm (.18" – .19") panel hole diameter range:	PUM-0		
Insertion force:	14 pounds maximum*	6.3mm – 7.1mm	F OIVI-0		
Environmental compliance:	Meets 2000/53/EC ELV and 2002/95/EC RoHS standards and all industry standards for hazardous material content	(.25" – .28") panel hole			
*Insertion force for PUM-925 is 30 pour	nds at nominal hole size.	diameter range:	PUM-0		
		0.0mm 10.0mm			

## key features and benefits

Unique alternating barb design	Provides increased retention and lower insertion force, reducing operator fatigue and improving productivity
Umbrella fir tree design	Locks securely into position and can be rotated 360 degrees, giving you a wider application range than fixed barb designs; also seals against dust and moisture
Exclusive contoured anvil head	Firmly retains a minimum wire gauge of 12 AWG (2mm $\emptyset$ ) within ± 10mm (.394") of the initial installation point, providing a low profile design
Assemblies with PLT cable ties	Provide routing and anchoring for wire harnesses, significantly reducing harness assembly time
Production Parts Approval Process (PPAP), 3-D, and International Materials Data Sheet (IMDS) capability	Meets the needs of Verband der Automobilindustrie (VDA) and Automotive Industry Action Group (AIAG) compliant documentation, allowing parts to be listed to IMDS site ID

## applications

PANDUIT push mounts with umbrellas and push mount assemblies are a reliable and cost effective solution for securing wire harnesses in the automotive, marine, white goods, heavy equipment and mass transit-rail markets. Designed for 4.6mm to 10.0mm through holes and variable panel thicknesses, the push mounts insert easily and exceed

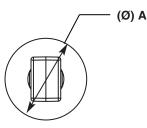
manufacturers' requirements for primary anchors of wire harnesses. The PANDUIT push mounts with umbrellas are compatible with all standard PAN-TY® Cable Ties up to the standard 50 pound loop tensile ties. The PUM-925-M30 mount has expanded slot capability which allows the use of the 120 pound loop tensile Light-Heavy cable ties.

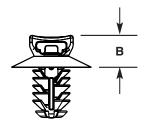
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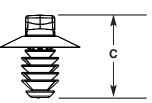
6.3mm – 7.1mm (.25" – .28") panel hole diameter range:	PUM-071-M30
9.0mm – 10.0mm (.35" – .40") panel hole diameter range:	PUM-100-M30
8.8mm – 9.3mm (.34" – .36") panel hole diameter range:	PUM-925-M30
Push Mount Assemb with Pan-Ty® Cable T	
4.6mm – 4.9mm (.18" – .19") panel hole diameter range:	PUM-049-2S-D30
6.3mm – 7.1mm (.25" – .28") panel hole diameter range:	PUM-071-2S-D30
9.0mm – 10.0mm (.35" – .40") panel hole	
diameter range: 8.8mm – 9.3mm (.34" – .36") panel hole	PUM-100-2S-D30
diameter range:	PUM-925-3H-T30
Push Mount Assemb Barb Ty Cable Tie	ly with Dome-Top®
6.3mm – 7.1mm (.25" – .28") panel hole	
diameter range:	PUM-071-B2S-D30

Push Mounts	with	Umbrella
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Used With Part Number Cable Ties	Used With	Footprint (Ø)	Panel to Top of Mount B		Overall Height C		Hole Size Range		Panel Thickness Range		Std. Pkg.	Bulk Pkg.
	In. (mm)	In.	mm	In.	mm	In.	mm	In.	mm	Qty.	Qty.	
PUM-049-M30	Miniature.	.67 (17)	.26	6.6	.54	13.8	.18 – .19	4.6 - 4.9	.03 – .19	.7 – 3.0	1000	5000
PUM-071-M30	Intermediate, Standard	.67 (17)	.26	6.6	.67	16.9	.25 – .28	6.3 – 7.1	.03 – .28	.8 – 7.0	1000	5000
PUM-100-M30		.64 (16)	.26	6.6	.67	16.9	.35 – .40	9.0 - 10.0	.03 – .28	.8 – 7.0	1000	5000
PUM-925-M30	Miniature, Intermediate, Standard, Light-Heavy	.77 (20)	.30	7.6	1.05	26.7	.34 – .36	8.8 - 9.3	.04 – .62	1.0 - 16.0	1000	5000







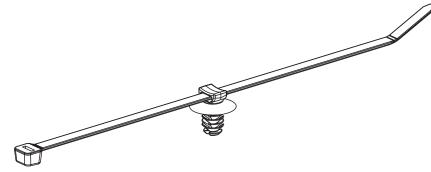
## Push Mount Assemblies

	Footprint	Diameter		Panel to Top of Mount		Overall Height		Hole Size Range		Panel Thickness Range		Std. Pkg.	Bulk. Pkg.
Part Number	In. (mm)	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Qty.	Qty.
PUM-049-2S-D30*	.67 (17)	1.88	48	.26	6.6	.54	13.8	.18 – .19	4.6 - 4.9	.03 – .19	.7 – 3.0	500	500
PUM-071-2S-D30*	.67 (17)	1.88	48	.26	6.6	.67	16.9	.25 – .28	6.3 – 7.1	.03 – .28	.8 – 7.0	500	500
PUM-100-2S-D30*	.64 (16)	1.88	48	.26	6.6	.67	16.9	.35 – .40	9.0 - 10.0	.03 – .28	.8 – 7.0	500	500
PUM-925-3H-T30**	.77 (20)	3.00	76	.30	7.6	1.05	26.7	.34 – .36	8.8 – 9.3	.04 – .62	1.0 – 16.0	200	200
PUM-071-B2S-D30***	.67 (17)	2.00	51	.26	6.6	.67	16.9	.25 – .28	6.3 – 7.1	.03 – .28	.8 – 7.0	500	500

\*PLT2S cable tie included in assembly. This cable tie is manufactured with heat stabilized, black Nylon 6.6 and is approved for continuous use from -60°C to 115°C (-76°F to 239°F).

\*\*PLT3H cable tie included in assembly. This cable tie is manufactured with heat stabilized, black Nylon 6.6 and is approved for continuous use from -60°C to 115°C (-76°F to 239°F). \*\*\*BT2S cable tie included in assembly. This cable tie is manufactured with heat stabilized, black Nylon 6.6 and is approved for continuous use from -60°C to 115°C

\*\*\*BT2S cable tie included in assembly. This cable tie is manufactured with heat stabilized, black Nylon 6.6 and is approved for continuous use from -60°C to 115°C (-76°F to 239°F).



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