

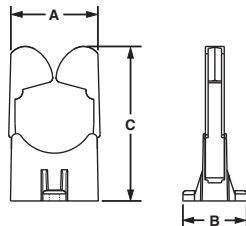
Harness Board Accessories

Panduit harness board accessories provide fast routing and forming of wires in harness fabrication. They hold the wires off the harness board at a uniform height for easy application of cable ties. The accessories are designed for use with various Panduit cable tie installation tools. To maintain the harness at a uniform height of approx. 1.33 inches (33.8mm) (at the center of the harness) above the board, use RER Elastic Retainers, BR.75-E6 or BR.5-E6, CPH.75-S8, TJF and SHH1-S8 or SHH3-S8 harness board accessories. This height is suitable for use with PAT1M Automatic Cable Tie Installation Tool.



Elastic Retainers

- Cable bundles are formed as individual wires are inserted
- Completed bundles can be easily removed
- The elastic band is replaceable
- For indoor use only



Replacement Elastic

Part Number	Pkg. Qty.
RER.5E-X	10
RER.75E-X	10
RER1.25E-X	10
RER2.0E-X	10

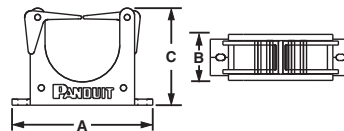
For economy, the elastic band can be replaced in the RER Elastic Retainers without removing the RER base.

Part Number	Max. Bundle Diameter		Length A		Width B		Height C		Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm					
RER.5-S6-X	0.50	12.7	1.18	30.0	0.84	21.3	1.89	48.0	Nylon 6.6	Black Base, White Arm	Two #6 (M3) Screws	10	50
RER.75-S6-X	0.75	19.0	1.18	30.0	1.12	28.4	2.21	56.1				10	50
RER1.25-S6-X	1.25	31.8	1.18	30.0	1.64	41.7	2.86	72.6				10	50
RER2.0-S6-X	2.00	50.8	1.31	33.3	2.81	71.4	3.94	100.2				10	50



Elastic Retainers – ER Type

- Cable bundles are formed as cable bundles are inserted
- Completed bundles can be easily removed
- For indoor use only



Part Number	Max. Bundle Diameter		Length A		Width B		Height C		Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm					
ER.5-E4-X	.50	12.7	1.96	49.8	.56	14.2	1.00	25.4	Nylon 6.6	Black	Two #6 (M3) Screws	10	100
ER1.25-E4-X	1.25	31.8	2.90	73.7	.95	24.1	2.00	50.8				10	100

A. System Overview

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

D1. Terminals

D2. Power Connectors

D3. Grounding Connectors

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

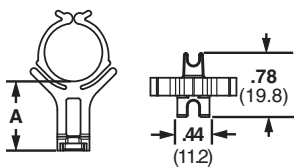
E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

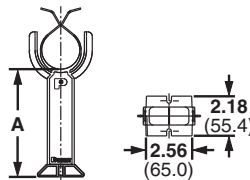
F. Index

Bundle Retainers

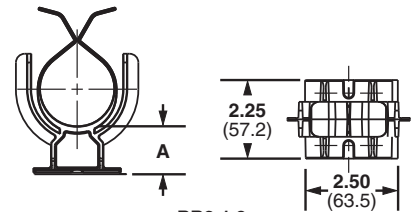
- Funnel entry allows fast cable insertion
- Completed bundles can be easily removed
- For indoor use only
- Color: Black



BR.5 and BR.75



BR2

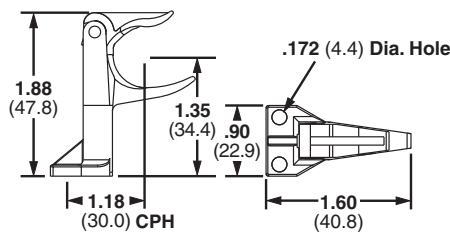


BR2-1.3

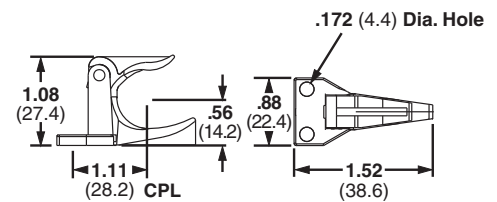
Part Number	Max. Bundle Diameter		Standoff Height A		Material	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm				
BR.5-E6-C	0.50	12.7	1.07	27.2	Impact Resistant Nylon 6.6	Two #6 (M3) Screws	100	500
BR.75-E6-C	0.75	19.0	0.95	24.1			100	500
BR2-1.3-X	2.00	50.8	1.32	33.5	Glass Filled Nylon 6.6	Two 1/4" (M6) Screws	10	10
BR2-1.3-A-X	2.00	50.8	1.35	34.3		Rubber Adhesive Tape	10	10
BR2-1.5-X	2.00	50.8	1.59	40.4		Two 1/4" (M6) Screws	10	10
BR2-4-X	2.00	50.8	4.06	103.1			10	10
BR2-6-X	2.00	50.8	6.02	152.9		10	10	

Corner Posts

- Designed to pre-form tight bundles at harness corners and breakouts
- Top arm rotates upward for easy removal of completed harness
- For indoor use only



CPH

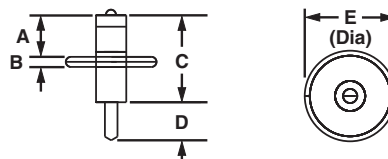


CPL

Part Number	Max. Bundle Diameter		Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm					
CPH.75-S8-X	.75	19.0	Nylon 6.6	Black	Two #8 (M4) Screws	10	100
CPL.75-S8-X							

T-Junction Fixture

- Forms cable junctions
- Fixture moves down for easy harness removal
- For indoor use only

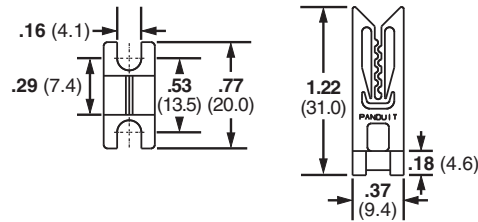
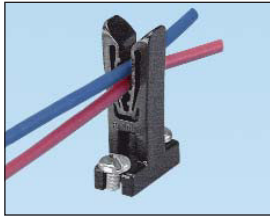


Part Number	Max. Bundle Diameter		Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm					
TJF-X	1.34	34.0	Nylon 6.6 and Nickel Plated Steel	Black	Nail	10	100

Wire End Holder

- Secures wire ends while harness is being fabricated
- Used with #28 thru #16 AWG wires

- For indoor use only

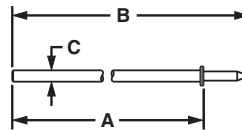


Part Number	Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
WEH-E8-C	Acetal	Black	Two #8 (M4) Screws	100	1000

Harness Board Nails

- Speed routing of wires
- Uniform driving depth is insured by a collar stop

- Smooth finish on nails prevents abrasion to wire jackets
- For indoor use only



Part Number	Length A		Overall Length B		Thickness C		Material	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm				
HBN.75-T	.75	19.1	1.40	35.6	.07	1.9	Nickel Plated Steel	Hammered into harness board	200	1000
HBN1-T	1.00	25.4	1.65	41.9	.07	1.9			200	1000
HBN1.5-T	1.50	38.1	2.16	54.9	.08	2.1			200	1000
HBN2-T	2.00	50.8	2.66	67.6	.09	2.4			200	1000
HBN2.5-T	2.50	63.5	3.16	80.3	.11	2.8			200	1000
HBN3-T	3.00	76.2	3.67	93.2	.12	3.0			200	1000
HBN4-T	4.00	101.6	4.67	118.6	.14	3.7			200	1000

A. System Overview

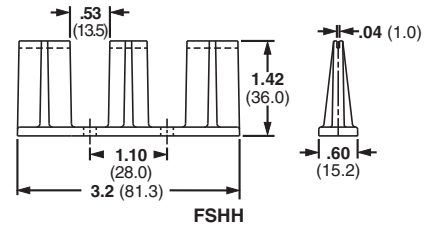
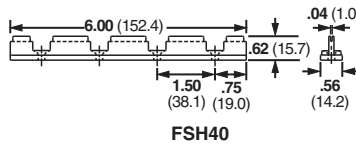
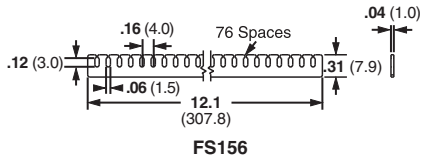
Fanning Strip System

- Holds wires in a specific orientation
- No sharp edges to damage wire insulation
- Will accept wires up to 18 AWG
- Fanning strip can remain as part of completed harness

B1. Cable Ties

B2. Cable Accessories

B3. Stainless Steel Ties



C1. Wiring Duct

C2. Surface Raceway



Part Number	Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
FS156-C	Nylon 6.6	Natural	FSH Holder	100	1000
FSH40-X	ABS	Black	Four #8 (M4) Screws	10	100
FSHH-X			Two #8 (M4) Screws	10	100

C3. Abrasion Protection

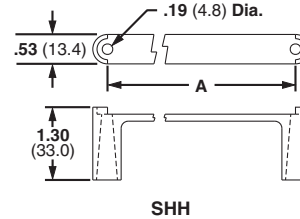
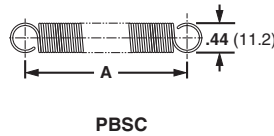
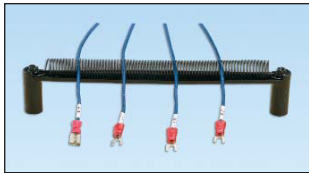
C4. Cable Management

Spring Wire Breakout System

- Harness board spring and spring holder holds wire ends secure while harness is being fabricated
- Wires simply pull out from spring when harness is removed
- Each SHH Spring Holder is supplied with one rigid wire piece to hold the spring laterally and two #8 (M4), 2" (50.8mm) hex head wood screws; purchase spring separately

D1. Terminals

D2. Power Connectors



D3. Grounding Connectors

Part Number	Hole Spacing A		Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm					
PBSC1-X	1.00	25.4	Steel	—	SHH1 Spring Holder	10	100
PBSC3-X	3.00	76.2		—	Two #8 (M4) Screws	10	100
PBSC6-X	6.00	152.4		—	SHH3 Spring Holder	10	100
PBSC12-X	12.00	304.8		—	Two #8 (M4) Screws	10	100
SHH1-S8-X	1.85	47.0	Nylon 6.6	Natural	Two #8 (M4) Screws	10	100
SHH3-S8-X	6.80	172.7			Two #8 (M4) Screws	10	100

E1. Labeling Systems

E2. Labels

E3. Pre-Printed & Write-On Markers

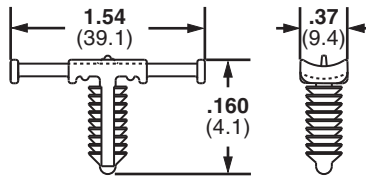
E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Tie Harness Mounts

- Designed to be attached to the wire harness during assembly
- Cable ties can be installed by hand or with Panduit automatic cable tie tools
- Used with harness board standoff posts
- Available with or without corrugated tubing location tab
- Natural nylon material for indoor use
- Heat stabilized nylon material (30) for high temperature applications – indoor use



Part Number	Used with Cable Ties*	Maximum Panel Thickness		Panel Hole Diameter		Material	Color	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm					

FOR CORRUGATED TUBING – A location tab on the mount shelf aligns with the corrugated tubing grooves to ensure proper mount location during assembly

THMSP20-C	M, I, S	.160	4.1	0.244 – 0.283	6.2 – 7.2	Nylon 6.6	Natural	Push Barb	100	1000
THMSP20-C30	M, I, S	.160	4.1	0.244 – 0.283	6.2 – 7.2	Heat Stabilized Nylon 6.6	Black	Push Barb	100	1000
THMSP25-C	M, I, S	.230	5.8	0.244 – 0.283	6.2 – 7.2	Nylon 6.6	Natural	Push Barb	100	1000
THMSP25-C30	M, I, S	.230	5.8	0.244 – 0.283	6.2 – 7.2	Heat Stabilized Nylon 6.6	Black	Push Barb	100	1000

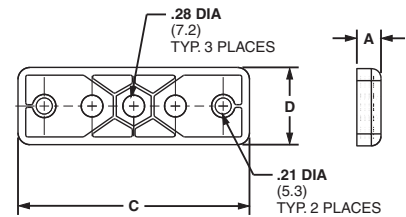
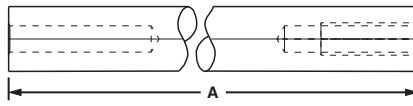
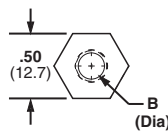
FOR DISCRETE WIRING – No location tab

THMSP20F-C	M, I, S	.160	4.1	0.244 – 0.283	6.2 – 7.2	Nylon 6.6	Natural	Push Barb	100	1000
THMSP20F-C30	M, I, S	.160	4.1	0.244 – 0.283	6.2 – 7.2	Heat Stabilized Nylon 6.6	Black	Push Barb	100	1000
THMSP25F-C	M, I, S	.230	5.8	0.244 – 0.283	6.2 – 7.2	Nylon 6.6	Natural	Push Barb	100	1000
THMSP25F-C30	M, I, S	.230	5.8	0.244 – 0.283	6.2 – 7.2	Heat Stabilized Nylon 6.6	Black	Push Barb	100	1000

*Cable tie cross section sizes: M = Miniature, I = Intermediate, S = Standard.

Harness Board Standoff Posts and Adapter

- Used to hold a push mount accessory or cable tie at a specific location on a harness board



HB2SP

HBUA

Part Number	Height A		Hole Diameter B		Length C		Width D		For Use With	Material	Mounting Method	Std. Pkg. Qty.	Std. Ctn. Qty.
	In.	mm	In.	mm	In.	mm	In.	mm					

Posts

HB2SP19-X	2.00	50.8	.20	5.2	—	—	0.50	12.7	PLWP, PRWP, WS, VWS, HWS, TPM	Aluminum	Bolt – Included	10	100
HB2SP25-X	2.00	50.8	.30	7.5	—	—	0.50	12.7	PLWP, PRWP, PLP, THMS, HCMP, PMCC	Aluminum	Bolt – Included	10	100

Adapter

HBUA-X	.31	7.9	.28	7.1	3.00	76.2	1.00	25.4	HB2SP19-X, HB2SP25-X	Nylon 6.6	#10 (M5) Screw	10	100
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A. System Overview



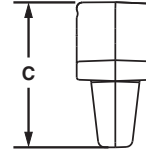
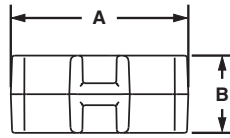
Automatic Cable Tie Mounts

B1. Cable Ties

- Multiple sizes work with industry standard panel thickness and hole diameters for greater application flexibility
- Low profile design keeps bundle close to mounting surface, saving space and providing greater protection for bundles in high vibration applications

- Supports Miniature and Intermediate cross section cable ties

B2. Cable Accessories



B3. Stainless Steel Ties

C1. Wiring Duct

C2. Surface Raceway

C3. Abrasion Protection

C4. Cable Management

Part Number	Used with Cable Ties	A Length		B Width		C Height		Maximum Panel Thickness		Panel Hole Diameter Range		Material	Color	Std. Pkg. Qty.	Std. Ctn. Qty.
		In.	mm	In.	mm	In.	mm	In.	mm	In.	mm				
ATM-W187-M	BT1.5M-XMR, PLT1.5M-XMR	0.80	20.5	0.35	9.0	0.58	14.6	0.12	3.0	0.17 – 0.20	4.3 – 4.9	Nylon 6.6	Natural	1000	5000
ATM-W187-M20													Black	1000	5000
ATM-W187-M30												Heat Stabilized Nylon 6.6	1000	5000	
ATM-W250-M												Nylon 6.6	1000	5000	
ATM-W250-M20												Black	1000	5000	
ATM-W250-M30												Heat Stabilized Nylon 6.6	1000	5000	

Auto Tie Mounts work with Reel-fed Cable Ties and Automatic Tooling. See page B1.115.

D1. Terminals

D2. Power Connectors



Harness Board Fixtures

D3. Grounding Connectors

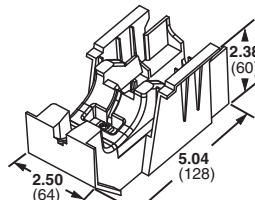
- Automatic alignment orients the tool head with the mount for reliable feeding of the cable through the mount to speed installation
- Multiple fixture configurations allow mounting in horizontal, vertical, or 45° orientation

- Integrated switch* capability enables placement of a switch to detect the mount's presence providing an input to a quality control system
- Activation device on harness board fixture prevents tool from operating unless it is properly engaged in the fixture for operator safety

E1. Labeling Systems



E2. Labels



ATMB

E3. Pre-Printed & Write-On Markers

E4. Permanent Identification

E5. Lockout/Tagout & Safety Solutions

F. Index

Part Number	Description	Mounting	Color	Material	Std. Pkg. Qty.	Std. Ctn. Qty.
ATMB	Base	Screw base to harness board with 1/4" screws	Black	Acetal	—	10
ATMI-W187-X	Insert for ATM-W187 mount	Snaps into ATMB	Yellow		10	—
ATMI-W250-X	Insert for ATM-W250 mount	Snaps into ATMB	Red		10	—
ATMI-XMR-X	Used for cable tie installations where mounts are NOT required	Snaps into ATMB	Black		10	—
ATMC	Clamp used to secure the ATMB (base) in a vertical or 45° position	Screw clamp to harness board with 1/4" screws	Black	—	10	

*The Omron Electronics D2SW-3L1HS switch is compatible with the ATM system. Similar switches from other manufacturers may also be suitable. See page B1.115 for Panduit Automatic Cable Tie Installation Systems.