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

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

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Pkg. Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>RER.5E-X</td>
<td>10</td>
</tr>
<tr>
<td>RER.75E-X</td>
<td>10</td>
</tr>
<tr>
<td>RER1.25E-X</td>
<td>10</td>
</tr>
<tr>
<td>RER2.0E-X</td>
<td>10</td>
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</tbody>
</table>

Elastic Retainers – ER Type

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

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>ER.5-E4-X</td>
<td>0.50</td>
<td>12.7</td>
<td>0.84</td>
<td>21.3</td>
<td>Nylon 6.6</td>
<td>Black Base, White Arm</td>
<td>Two #6 (M3) Screws</td>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>ER1.25-E4-X</td>
<td>0.75</td>
<td>19.0</td>
<td>1.12</td>
<td>28.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1.25</td>
<td>31.8</td>
<td>1.64</td>
<td>41.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>2.00</td>
<td>50.8</td>
<td>2.81</td>
<td>71.4</td>
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</table>
## Bundle Retainers

- Funnel entry allows fast cable insertion
- Completed bundles can be easily removed

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>BR.5-E6-C</td>
<td>0.50</td>
<td>12.7</td>
<td>1.07</td>
<td>27.2</td>
<td>100</td>
<td>500</td>
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<tr>
<td>BR.75-E6-C</td>
<td>0.75</td>
<td>19.0</td>
<td>0.95</td>
<td>24.1</td>
<td>100</td>
<td>500</td>
</tr>
<tr>
<td>BR2-1.3-X</td>
<td>2.00</td>
<td>50.8</td>
<td>1.32</td>
<td>33.5</td>
<td>10</td>
<td>10</td>
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<tr>
<td>BR2-1.3-A-X</td>
<td>2.00</td>
<td>50.8</td>
<td>1.35</td>
<td>34.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-1.5-X</td>
<td>2.00</td>
<td>50.8</td>
<td>1.59</td>
<td>40.4</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-4-X</td>
<td>2.00</td>
<td>50.8</td>
<td>4.06</td>
<td>103.1</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-6-X</td>
<td>2.00</td>
<td>50.8</td>
<td>6.02</td>
<td>152.9</td>
<td>10</td>
<td>10</td>
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</tbody>
</table>

## Corner Posts

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

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<tr>
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</thead>
<tbody>
<tr>
<td>BR2-1.3-X</td>
<td>2.00</td>
<td>50.8</td>
<td>1.35</td>
<td>34.3</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-1.5-X</td>
<td>2.00</td>
<td>50.8</td>
<td>1.59</td>
<td>40.4</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-4-X</td>
<td>2.00</td>
<td>50.8</td>
<td>4.06</td>
<td>103.1</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-6-X</td>
<td>2.00</td>
<td>50.8</td>
<td>6.02</td>
<td>152.9</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>BR2-75-E6-C</td>
<td>0.75</td>
<td>19.0</td>
<td>0.95</td>
<td>24.1</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

## T-Junction Fixture

- Forms cable junctions
- Fixture moves down for easy harness removal

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</thead>
<tbody>
<tr>
<td>T-JF-X</td>
<td>1.34</td>
<td>Nylon 6.6 and Nickel Plated Steel</td>
<td>Black</td>
<td>Nail</td>
<td>10</td>
<td>100</td>
</tr>
</tbody>
</table>
Wire End Holder

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

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

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</thead>
<tbody>
<tr>
<td>WEH-E8-C</td>
<td>Acetal</td>
<td>Black</td>
<td>Two #8 (M4) Screws</td>
<td>100</td>
<td>1000</td>
</tr>
</tbody>
</table>

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</tr>
</thead>
<tbody>
<tr>
<td>HBN.75-T</td>
<td>1.40</td>
<td>35.6</td>
<td>Nickel Plated Steel</td>
<td>Hammered into harness board</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>HBN1-T</td>
<td>1.65</td>
<td>41.9</td>
<td>.07</td>
<td>1.9</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>HBN1.5-T</td>
<td>2.16</td>
<td>54.9</td>
<td>.08</td>
<td>2.1</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>HBN2-T</td>
<td>2.66</td>
<td>67.6</td>
<td>.09</td>
<td>2.4</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>HBN2.5-T</td>
<td>3.16</td>
<td>80.3</td>
<td>.11</td>
<td>2.8</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>HBN3-T</td>
<td>3.67</td>
<td>93.2</td>
<td>.12</td>
<td>3.0</td>
<td>200</td>
<td>1000</td>
</tr>
<tr>
<td>HBN4-T</td>
<td>4.67</td>
<td>118.6</td>
<td>.14</td>
<td>3.7</td>
<td>200</td>
<td>1000</td>
</tr>
</tbody>
</table>
**Fanning Strip System**

- Holds wires in a specific orientation
- No sharp edges to damage wire insulation

![Fanning Strip System Image]

**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

![Spring Wire Breakout System Image]

**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

Order number of pieces required, in multiples of Standard Package Quantity.

Prime items appear in **BOLD**.
**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

**Harness Board Standoff Posts and Adapter**

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

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**Part Number**

|-------------|-----------------------|-------------------------|---------------------|----------|-------|-----------------|----------------|----------------|

**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  
.244 – .283 6.2 – 7.2  
Nylon 6.6  
Natural  
Push Barb  
100  
1000

THMSP20-C30  
M, I, S  
.160 4.1  
.244 – .283 6.2 – 7.2  
Heat Stabilized Nylon 6.6  
Black  
Push Barb  
100  
1000

THMSP25-C  
M, I, S  
.230 5.8  
.244 – .283 6.2 – 7.2  
Nylon 6.6  
Natural  
Push Barb  
100  
1000

THMSP25-C30  
M, I, S  
.230 5.8  
.244 – .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  
.244 – .283 6.2 – 7.2  
Nylon 6.6  
Natural  
Push Barb  
100  
1000

THMSP20F-C30  
M, I, S  
.160 4.1  
.244 – .283 6.2 – 7.2  
Heat Stabilized Nylon 6.6  
Black  
Push Barb  
100  
1000

THMSP25F-C  
M, I, S  
.230 5.8  
.244 – .283 6.2 – 7.2  
Nylon 6.6  
Natural  
Push Barb  
100  
1000

THMSP25F-C30  
M, I, S  
.230 5.8  
.244 – .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.

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**Harness Board Standoff Posts and Adapter**

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

**Part Number**

|-------------|----------|----------------|----------|---------|--------------|----------|-----------------|----------------|----------------|

**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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For technical assistance in the U.S., call 866-405-6654 (outside the U.S., see inside back cover for directory)