Anchors

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries

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**Glossary**

<table>
<thead>
<tr>
<th>Prefix - Description</th>
<th>Screw Dia.</th>
<th>Length</th>
<th>Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACB - Concrete Anchor Bolt</td>
<td>4 - #4</td>
<td>75 - 3/4&quot;</td>
<td>AN - Acorn Nut</td>
</tr>
<tr>
<td>ACPD - Bang-IT™† Anchors</td>
<td>6 - #6</td>
<td>81 - 13/16&quot;</td>
<td>CH - Combo Head</td>
</tr>
<tr>
<td>ACPW - Wood-Knocker™† Anchors</td>
<td>8 - #8</td>
<td>87 - 7/8&quot;</td>
<td>F - Flat</td>
</tr>
<tr>
<td>ACS - Concrete Screw</td>
<td>10 - #10</td>
<td>100 - 1&quot;</td>
<td>FL - Flanged</td>
</tr>
<tr>
<td>ADA - Drive Anchor</td>
<td>12 - 1/8&quot;</td>
<td>118 - 13/16&quot;</td>
<td>H - Hex</td>
</tr>
<tr>
<td>ADE - Double Expansion Anchor</td>
<td>18 - 3/16&quot;</td>
<td>125 - 1 1/4&quot;</td>
<td>HN - Hex Nut</td>
</tr>
<tr>
<td>ADH - Hollow-Base Drop-IN</td>
<td>25 - 1/4&quot;</td>
<td>150 - 1 1/2&quot;</td>
<td>HS - Hole Saw</td>
</tr>
<tr>
<td>ADI - Drop-In</td>
<td>31 - 5/16&quot;</td>
<td>175 - 1 3/4&quot;</td>
<td>K - Kit</td>
</tr>
<tr>
<td>ADM - Mini Drop-In</td>
<td>37 - 3/8&quot;</td>
<td>187 - 1 3/8&quot;</td>
<td>M - Mushroom</td>
</tr>
<tr>
<td>ADN - Drive Nail</td>
<td>50 - 1/2&quot;</td>
<td>200 - 2&quot;</td>
<td>OH - Oval Head</td>
</tr>
<tr>
<td>AMS - Machine Screw</td>
<td>62 - 5/8&quot;</td>
<td>225 - 2 1/4&quot;</td>
<td>PH - Pan Head</td>
</tr>
<tr>
<td>APC - Conical Anchor</td>
<td>75 - 3/4&quot;</td>
<td>250 - 2 1/2&quot;</td>
<td>RH - Rod Hanger</td>
</tr>
<tr>
<td>APD - Plastic Driller</td>
<td>87 - 7/8&quot;</td>
<td>275 - 2 3/4&quot;</td>
<td>RS - Slotted Round Head</td>
</tr>
<tr>
<td>APDM - Plastic Driller - Mini</td>
<td></td>
<td>300 - 3&quot;</td>
<td></td>
</tr>
<tr>
<td>APH - Plastic Hollow Wall Anchor</td>
<td></td>
<td>325 - 3/4&quot;</td>
<td>SS4 - 304 Stainless Steel</td>
</tr>
<tr>
<td>APS - Plastic Screw Anchor</td>
<td></td>
<td>350 - 3/2&quot;</td>
<td>T - Tool</td>
</tr>
<tr>
<td>ARC - Rapid Rod™ Concrete</td>
<td></td>
<td>375 - 3 3/4&quot;</td>
<td>WH - Wire Hanger</td>
</tr>
<tr>
<td>ARS - Rapid Rod™ Steel</td>
<td></td>
<td>400 - 4&quot;</td>
<td></td>
</tr>
<tr>
<td>ARW - Rapid Rod™ Wood</td>
<td></td>
<td>425 - 4 1/4&quot;</td>
<td>SW - Side Mount</td>
</tr>
<tr>
<td>ASA - Sleeve Anchor</td>
<td></td>
<td>450 - 4 1/2&quot;</td>
<td></td>
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<tr>
<td>ASE - Single Expansion Anchor</td>
<td></td>
<td>500 - 5&quot;</td>
<td></td>
</tr>
<tr>
<td>ATB - Toggle Bolt</td>
<td></td>
<td>525 - 5 1/4&quot;</td>
<td></td>
</tr>
<tr>
<td>ATM - Self-Tapping Screw Anchor</td>
<td></td>
<td>550 - 5 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>AWA - Wedge Anchor</td>
<td></td>
<td>600 - 6&quot;</td>
<td></td>
</tr>
<tr>
<td>AWSD - Seismic Wedge Anchor</td>
<td></td>
<td>700 - 7&quot;</td>
<td></td>
</tr>
<tr>
<td>AWS - Wall Screw</td>
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</tr>
<tr>
<td>AZD - Zinc Driller</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>AZDM - Zinc Driller-Mini</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

† Band-It™ and Wood-Knocker™ are registered trademarks used by Power® Fasteners, Inc.

Read safety/installation instruction sheets in packages before use.
Anchors

Rapid Rod™ Hangers

• One-piece, all steel threaded fastener system for suspending steel threaded rod.
• Suitable for overhead installations such as suspending cable tray, pipe hangers, strut and conduit.
• Side Mount (SW) available for side mounting applications.
• Lower in-place cost, when compared to beam clamps, lag bolts and drop-ins.
• Steel rapid rods can be installed with a screw gun or hammer drill.
• UL & FM approved.
• Made of Zinc Plated carbon steel.

Rapid Rod™ Hangers
Steel

<table>
<thead>
<tr>
<th>Steel Rapid Rod - Data</th>
<th>#3</th>
<th>#5</th>
</tr>
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<tbody>
<tr>
<td>Point Style</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Self-Drilling Range (in.)</td>
<td>20 ga. - 3/16</td>
<td>3/16 - 1/2</td>
</tr>
<tr>
<td>Screw Size (UNC) *</td>
<td>1/4*-20</td>
<td>1/4*-20</td>
</tr>
<tr>
<td>Thread Length (in.) *</td>
<td>1 3/16</td>
<td>31/32</td>
</tr>
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</table>

* Dimensions for self-drilling (embedded) portion of anchor.

<table>
<thead>
<tr>
<th>Steel Rapid Rod - Load Data</th>
<th>Minimum Steel Gauge Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rod/ Anchor Size</td>
<td>20 (.036&quot;)</td>
</tr>
<tr>
<td>1/4</td>
<td>100</td>
</tr>
<tr>
<td>1/4 w/hut</td>
<td>390</td>
</tr>
<tr>
<td>3/8</td>
<td>100</td>
</tr>
<tr>
<td>3/8 w/hut</td>
<td>365</td>
</tr>
<tr>
<td>1/2</td>
<td>120</td>
</tr>
</tbody>
</table>

Loads shown for ASTM A36 steel beams and ASTM A572 steel purlins include a safety factor of 4.

For UL & FM listings, steel rapid rod must be installed with a retaining nut. UL & FM load rating for 3/8” rapid rod is 365 lbs. and can support up to a maximum 4” pipe.

UL & FM load rating for 1/2” rapid rod is 900 lbs. and can support up to a maximum 6” pipe.

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Anchors

Rapid Rod™ Hangers

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<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Shank Size &amp; Length</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel Rod Hanger - Point Style #3 For Purlins</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78205153317</td>
<td>ARS-25-100</td>
<td>1/4&quot;</td>
<td>1/4&quot; x 1&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78205153318</td>
<td>ARS-37-200</td>
<td>3/8&quot;</td>
<td>1/4&quot; x 2&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78205153320</td>
<td>ARS-37-100HN**</td>
<td>3/8&quot;</td>
<td>1/4&quot; x 1&quot; w/nuts</td>
<td>100</td>
</tr>
<tr>
<td>78205153321</td>
<td>ARS-37-150</td>
<td>3/8&quot;</td>
<td>1/4&quot; x 1 1/2&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78205153322</td>
<td>ARS-37-150HN**</td>
<td>3/8&quot;</td>
<td>1/4&quot; x 1 1/2&quot; w/nuts</td>
<td>100</td>
</tr>
</tbody>
</table>

| Steel Rod Hanger - Side Mount - Point Style #3 For Purlins |
| 78205153323     | ARS-25-100SW   | 1/4"     | 1/4" x 1"           | 100     |
| 78205153324     | ARS-37-100SW   | 3/8"     | 1/4" x 1" w/nuts    | 100     |

| Steel Rod Hanger - Point Style #5 For Purlins |
| 78205153325     | ARS-25-150HD   | 1/4"     | #12-24 x 1 1/2"     | 100     |
| 78205153326     | ARS-37-150HDHN** | 3/8" | #12-24 x 1 1/2" w/nuts | 100 |
| 78205153327     | ARS-50-150HDHN** | 1/2"     | #12-24 x 1 1/2" w/nuts | 100 |

** For UL & FM listings, steel rapid rod should be installed with a retaining nut.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Tool Description</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tool</td>
<td>7187</td>
<td>Universal Steel &amp; Wood Socket</td>
<td>1</td>
</tr>
</tbody>
</table>

For UL & FM listings, steel rapid rod should be installed with a retaining nut.
Rapid Rod™ Hangers

- One-piece, all steel threaded fastener system for suspending steel threaded rod.
- Suitable for overhead installations such as suspending cable tray, pipe hangers, strut and conduit.
- Side Mount (SW) available for side mounting applications.
- Lower in-place cost, when compared to beam clamps, lag bolts and drop-ins.
- Wood rapid rods can be installed with a screw gun or hammer drill.
- Concrete Rapid Rod hangers can be installed with an adjustable torque, battery powered screw gun or hammer drill.
- UL & FM approved.
- Made of Zinc Plated carbon steel.

Rapid Rod™ Hangers - Concrete

<table>
<thead>
<tr>
<th>Concrete Rapid Rod - Data</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit (in.)</td>
<td>1/4</td>
<td>1/4</td>
<td>3/8</td>
</tr>
<tr>
<td>Thread Length (in.)</td>
<td>11/8</td>
<td>13/8</td>
<td>21/2</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>11/4</td>
<td>11/2</td>
<td>23/4</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs.) *</td>
<td>485</td>
<td>650</td>
<td>1510</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs.) *</td>
<td>610</td>
<td>660</td>
<td>1580</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory. FM approved load capacity for 3/8" anchor is 365 lbs., maximum 4" pipe size. FM approved load capacity for 1/2" anchor is 950 lbs., maximum 8" pipe size.

Rapid Rod™ Hangers - Wood

<table>
<thead>
<tr>
<th>Wood Rapid Rod - Data</th>
<th>1/4&quot; Thread Forming</th>
<th>3/8&quot; Thread Forming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pre-Drill Diameter (in.)</td>
<td>1/8</td>
<td>1/8</td>
</tr>
<tr>
<td>Point Style</td>
<td>Type 17</td>
<td>Type 17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wood Rapid Rod - Embedment &amp; Load Data (lbs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rod/Anchor Size</td>
</tr>
<tr>
<td>-----------------</td>
</tr>
<tr>
<td>1/4&quot;</td>
</tr>
<tr>
<td>3/8&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
</tr>
</tbody>
</table>

Minimum load ratings are based on a safety factor of 4. UL approved load capacity for 3/8" rod sizes and 1/4" screw size is 260 lbs., maximum 3" pipe. UL approved load capacity for 3/8" rod sizes and 3/8" screw size is 375 lbs., maximum 4" pipe. FM approval only applies to 3/8" x 2 1/2" screw size. Approved for 365 lbs., up to 4" pipe.

† Not ICC-ES Certified

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Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries
## Rapid Rod™ Hangers

Anchors

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**ARC Series**

**ARW Series**

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### UPC/Part Number | Catalog Number | Rod Size | Shank Size & Length | Box Qty.
---|---|---|---|---
**Concrete Rod Hanger - ANSI Wedge-Bolt OT Thread Shank Style**
78205153328 | ARC-25-125 | 1/4" | 1/4 x 1" | 100
78205153329 | ARC-37-150 | 3/8" | 1/4 x 1 1/2" | 100
78205153330 | ARC-50-275 | 1/2" | 3/8 x 2 3/4" | 50

For side mount concrete applications use ARW-25-100SW or ARW-37-200SW with 1/4" drill bit.

### Wood Rod Hanger - Point Style Type 17

78205153331 | ARW-25-200 | 1/4" | 1/4 x 2" | 100
78205153332 | ARW-37-100 | 3/8" | 1/4 x 1" | 100
78205153333 | ARW-37-200 | 3/8" | 1/4 x 2" | 100
78205153334 | ARW-37-250 | 3/8" | 3/8 x 2 1/2" | 100
78205153335 | ARW-50-250 | 1/2" | 1/2 x 2 1/2" | 100

### Wood Rod Hanger - Side Mount - Point Style Type 17

78205153336 | ARW-25-100SW | 1/4" | 1/4 x 1" | 100
78205153337 | ARW-37-200SW | 3/8" | 1/4 x 2" | 100

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### UPC/Part Number | Catalog Number | Tool Description | Box Qty.
---|---|---|---
**Tools**
78205153287 | 7187 | Universal Steel & Wood Socket | 1
78205153288 | 7195 | 1/4" Concrete Socket | 1
78205153289 | 7197 | 3/8" Concrete Socket | 1
78205153290 | 7198 | 1/2" Concrete Socket | 1
78205153360 | 5874 | Concrete Tapper Sleeve Assy. | 1
78205153361 | 5866 | 1/4" X 6" Hex Shank SDS Drill Bit | 1

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*Read safety/installation instruction sheets in packages before use.*

**Eaton’s B-Line series fasteners**

www.eaton.com/b-lineseries

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### Drop-in Anchors

- Designed for use in solid concrete.
- Can be used for overhead applications such as suspending cable tray, strut, pipe supports and lighting.
- Flanged (lipped) version installs flush for easy inspection and standardizes rod heights.
- Smooth wall drop-in can be installed flush mounted or below the base material surface.
- UL & FM approved.
- Available in Zinc Plated finish or Stainless Steel.

‡ Not ICC-ES certified

### Drop-In Anchors - Data

<table>
<thead>
<tr>
<th>Size (in.)</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
<th>3/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>3/8</td>
<td>1/2</td>
<td>5/8</td>
<td>7/8</td>
<td>1</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>40</td>
<td>80</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
<td>5/8&quot;-11</td>
<td>3/4&quot;-10</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1</td>
<td>19/16</td>
<td>2</td>
<td>21/2</td>
<td>39/16</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs)*</td>
<td>390</td>
<td>715</td>
<td>1050</td>
<td>1860</td>
<td>2350</td>
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<tr>
<td>Load Capacity Shear (lbs)*</td>
<td>640</td>
<td>1190</td>
<td>1875</td>
<td>3095</td>
<td>3920</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

### UPC/Part Number Catalog Rod Anchor Thread Box

#### Drop-In Anchor - Smooth Wall - Steel

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Anchor Length</th>
<th>Thread Depth</th>
<th>Box Qty.</th>
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<tbody>
<tr>
<td>78101103218</td>
<td>ADI-25</td>
<td>1/4&quot;</td>
<td>1&quot;</td>
<td>7/16&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103219</td>
<td>ADI-37</td>
<td>3/8&quot;</td>
<td>19/16&quot;</td>
<td>5/8&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78101103220</td>
<td>ADI-50</td>
<td>1/2&quot;</td>
<td>2&quot;</td>
<td>13/16&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78101103221</td>
<td>ADI-62</td>
<td>5/8&quot;</td>
<td>21/2&quot;</td>
<td>113/16&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101103222</td>
<td>ADI-75</td>
<td>3/4&quot;</td>
<td>33/16&quot;</td>
<td>13/8&quot;</td>
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#### Drop-In Anchor - Smooth Wall - StainlessSteel

<table>
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<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Anchor Length</th>
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<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78101103223</td>
<td>ADI-25SS4</td>
<td>1/4&quot;</td>
<td>1&quot;</td>
<td>7/16&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103224</td>
<td>ADI-37SS4</td>
<td>3/8&quot;</td>
<td>19/16&quot;</td>
<td>5/8&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78101103226</td>
<td>ADI-50SS4</td>
<td>1/2&quot;</td>
<td>2&quot;</td>
<td>13/16&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78101103227</td>
<td>ADI-62SS4</td>
<td>5/8&quot;</td>
<td>21/2&quot;</td>
<td>113/16&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101103228</td>
<td>ADI-75SS4</td>
<td>3/4&quot;</td>
<td>33/16&quot;</td>
<td>13/8&quot;</td>
<td>10</td>
</tr>
</tbody>
</table>

#### Drop-In Hanger - Flanged - Steel

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Pin Length</th>
<th>Box Qty.</th>
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<tbody>
<tr>
<td>78205153297</td>
<td>ADI-25FL</td>
<td>1/4&quot;</td>
<td>1&quot;</td>
<td>7/16&quot;</td>
</tr>
<tr>
<td>78205153298</td>
<td>ADI-37FL</td>
<td>3/8&quot;</td>
<td>19/16&quot;</td>
<td>5/8&quot;</td>
</tr>
<tr>
<td>78205153299</td>
<td>ADI-50FL</td>
<td>1/2&quot;</td>
<td>2&quot;</td>
<td>13/16&quot;</td>
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### Setting Tools

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
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<tbody>
<tr>
<td>78101103229</td>
<td>6305</td>
<td>1/4&quot;</td>
<td>39/64&quot;</td>
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</tr>
<tr>
<td>78101103231</td>
<td>6307</td>
<td>3/8&quot;</td>
<td>61/64&quot;</td>
<td>1</td>
</tr>
<tr>
<td>78101103232</td>
<td>6309</td>
<td>1/2&quot;</td>
<td>13/16&quot;</td>
<td>1</td>
</tr>
<tr>
<td>78101103233</td>
<td>6311</td>
<td>5/8&quot;</td>
<td>15/16&quot;</td>
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<tr>
<td>78101103234</td>
<td>6313</td>
<td>3/4&quot;</td>
<td>161/64&quot;</td>
<td>1</td>
</tr>
</tbody>
</table>
Mini Drop-in Anchors

- Carbon steel machine bolt anchor for use in shallow embedment applications.
- Can be used in solid concrete and precast hollow core plank, in addition to post-tensioned concrete slabs and concrete pours over metal deck.
- Can be used for overhead applications such as suspending cable tray, strut, pipe supports and lighting.
- Flanged (lipped) version installs flush for easy inspection and standardizes rod heights.
- Setting tool scores flange when set to verify proper expansion
- Available in zinc plated finish.
- FM approved.

![Anchor and Setting Tool]

<table>
<thead>
<tr>
<th>Mini Drop-In Anchors - Data</th>
<th>1/4”</th>
<th>3/8”</th>
<th>1/2”</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>3/8</td>
<td>1/2</td>
<td>5/8</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>3</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4*20</td>
<td>3/8*16</td>
<td>1/2*13</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>5/8</td>
<td>3/4</td>
<td>1</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>285</td>
<td>530</td>
<td>840</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>415</td>
<td>1055</td>
<td>1220</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Thread Depth</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205153300</td>
<td>ADM-25</td>
<td>1/4”</td>
<td>3/8”</td>
<td>100</td>
</tr>
<tr>
<td>78205153302</td>
<td>ADM-37</td>
<td>3/8”</td>
<td>13/32”</td>
<td>50</td>
</tr>
<tr>
<td>78205153302</td>
<td>ADM-50</td>
<td>1/2”</td>
<td>5/8”</td>
<td>50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Setting Tools</th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>78205153301</td>
<td>6336</td>
<td>1/4”</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>78205153303</td>
<td>6323</td>
<td>3/8”</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>78205153305</td>
<td>6338</td>
<td>5/8”</td>
<td>–</td>
<td>1</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified
Anchors

Hollow Base Drop-in Anchors

- For use in hollow base materials such as hollow concrete block, brick with weep holes, and precast hollow core plank.
- Can also be used in solid base materials.
- Smooth wall drop-in can be installed flush mounted or below the base material surface.
- Available in Zinc Plated finish.

### Hollow Base Drop-In - Data

<table>
<thead>
<tr>
<th></th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>3/8</td>
<td>5/8</td>
<td>3/4</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>5</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
</tr>
<tr>
<td>Thread Length In Cone (in.)</td>
<td>3/8</td>
<td>5/8</td>
<td>3/4</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>3/4</td>
<td>1</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>230</td>
<td>415</td>
<td>805</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>240</td>
<td>510</td>
<td>805</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

### UPC/Part Number

<table>
<thead>
<tr>
<th>Hollow Base Drop-In</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Overall Length</th>
<th>Sleeve Length</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205153291</td>
<td>ADH-25</td>
<td>1/4&quot;</td>
<td>7/8&quot;</td>
<td>5/8&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78205153293</td>
<td>ADH-37</td>
<td>3/8&quot;</td>
<td>1 15/16&quot;</td>
<td>15/16&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78205153294</td>
<td>ADH-50</td>
<td>1/2&quot;</td>
<td>1 3/4&quot;</td>
<td>1 1/4&quot;</td>
<td>50</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Setting Tools</th>
<th>Number</th>
<th>Size</th>
<th>Length</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205153292</td>
<td>9323</td>
<td>1/4&quot;</td>
<td>–</td>
<td>1</td>
</tr>
<tr>
<td>78205153294</td>
<td>9343</td>
<td>3/8&quot;</td>
<td>–</td>
<td>1</td>
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<tr>
<td>78205153296</td>
<td>9353</td>
<td>1/2&quot;</td>
<td>–</td>
<td>1</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries

191
Concrete Screw Bolts

- For use in racking, shelving, material handling, structural anchorage, masonry and food & beverage facilities.
- One piece heavy-duty anchor with a finished hex-head.
- Fits standard fixture hole dimensions in fabricated steel.
- Fast installation and immediate loading reduces downtime.
- For proper performance, screw anchors must be installed with the corresponding bits. The bits have a matched tolerance range designed to provide optimum performance.

>ICC-ES Listed, ESR 2526, qualified for static, seismic and wind loading in concrete.
>ICC-ES Listed, ESR 1678, qualified for static, wind and seismic loading in grouted masonry.

Concrete Screw Bolts - Data

<table>
<thead>
<tr>
<th>ACB Drill Bit Size (in.)</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Screw Tolerance Range (in.)</td>
<td>0.255 - 0.259</td>
<td>0.385 - 0.389</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1</td>
<td>1 1/2</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs)</td>
<td>335</td>
<td>630</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs)</td>
<td>470</td>
<td>860</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi in uncracked concrete using applied safety factor of 4.0. For additional loading information contact factory. For ultimate strength design data in cracked and uncracked concrete, see ICC-ES ESR-2526.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Anchor Size</th>
<th>Thread Length</th>
<th>Box Qty.</th>
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<tbody>
<tr>
<td>Screw Type Anchor - Steel</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>78205153247</td>
<td>ACB-25-175</td>
<td>1/4&quot; x 13/4&quot;</td>
<td>1 5/8&quot;</td>
<td>100</td>
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<tr>
<td>78205153248</td>
<td>ACB-25-225</td>
<td>1/4&quot; x 21/4&quot;</td>
<td>2&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78205153249</td>
<td>ACB-25-300</td>
<td>1/4&quot; x 3&quot;</td>
<td>2 3/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78205153250</td>
<td>ACB-37-175</td>
<td>3/8&quot; x 13/4&quot;</td>
<td>1 1/2&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78205153251</td>
<td>ACB-37-250</td>
<td>3/8&quot; x 21/2&quot;</td>
<td>2 1/4&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78205153252</td>
<td>ACB-37-300</td>
<td>3/8&quot; x 3&quot;</td>
<td>2 3/4&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78205153253</td>
<td>ACB-37-400</td>
<td>3/8&quot; x 4&quot;</td>
<td>3 3/4&quot;</td>
<td>50</td>
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</table>

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Drill Size</th>
<th>Usable Length</th>
<th>Overall Length</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill Bits - Straight Shank Type</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78205153254</td>
<td>1372</td>
<td>1/4&quot;</td>
<td>4&quot;</td>
<td>6&quot;</td>
<td>1</td>
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<tr>
<td>78205153256</td>
<td>1380</td>
<td>3/8&quot;</td>
<td>4&quot;</td>
<td>6&quot;</td>
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</table>

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Drill Size</th>
<th>Usable Length</th>
<th>Overall Length</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill Bits - SDS Type</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78205153255</td>
<td>1314</td>
<td>1/4&quot;</td>
<td>4&quot;</td>
<td>6&quot;</td>
<td>1</td>
</tr>
<tr>
<td>78205153257</td>
<td>1316</td>
<td>3/8&quot;</td>
<td>4&quot;</td>
<td>6&quot;</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: Matched tolerance bits must be used for installation.

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners www.eaton.com/b-lineseries

Anchors 192
Anchors

Concrete Screws

- Light to medium duty anchor for use in concrete, masonry block and brick base materials.
- Concrete screws are engineered with matched tolerance bits and installation tools to optimize performance.
- High low thread design for greater stability and grip.
- No hole spotting required.
- One drill bit is packaged in each box of concrete screws.
- Blue fluorocarbon coating for corrosion resistance.

**Hex Head - Data**

<table>
<thead>
<tr>
<th></th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>5/32</td>
<td>3/16</td>
</tr>
<tr>
<td>Fixture Clearance Hole (in.)</td>
<td>1/4</td>
<td>5/16</td>
</tr>
<tr>
<td>Head Height (in.)</td>
<td>7/64</td>
<td>9/64</td>
</tr>
<tr>
<td>Head Width (in.)</td>
<td>1/4</td>
<td>5/16</td>
</tr>
<tr>
<td>Washer O.D. (in.)</td>
<td>11/32</td>
<td>13/32</td>
</tr>
<tr>
<td>Washer Thickness (in.)</td>
<td>1/32</td>
<td>1/32</td>
</tr>
<tr>
<td>Hex Driver (in.)</td>
<td>1/4</td>
<td>5/16</td>
</tr>
</tbody>
</table>

**Flat Head - Data**

<table>
<thead>
<tr>
<th></th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>5/32</td>
<td>3/16</td>
</tr>
<tr>
<td>Fixture Clearance Hole (in.)</td>
<td>1/4</td>
<td>5/16</td>
</tr>
<tr>
<td>Phillips Head O.D. (in.)</td>
<td>3/8</td>
<td>1/2</td>
</tr>
<tr>
<td>Phillips Head Height (in.)</td>
<td>9/64</td>
<td>3/16</td>
</tr>
<tr>
<td>Phillips Bit Size</td>
<td>2</td>
<td>3</td>
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</table>

**Embedment Depth**

<table>
<thead>
<tr>
<th>Embedment Depth</th>
<th>Nominal Anchor Dia. / Loading*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/16&quot; Tension</td>
</tr>
<tr>
<td>13/4&quot;</td>
<td>360</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

>ICC-ES Listed, ESR 3068, qualified for static, wind and loading in concrete.
>ICC-ES Listed, ESR 1678, qualified for static, wind and seismic loading in grouted concrete.
>ICC-ES Listed, ESR 3213, qualified for use in chemically treated wood.
>ICC-ES Listed, ESR 3042, qualified for use in wood.

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries

193
### Concrete Screws

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Size</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hex Head Concrete Screws</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78101103432</td>
<td>ACS-18-125H*</td>
<td>3/16&quot; x 1 1/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103433</td>
<td>ACS-18-175H*</td>
<td>3/16&quot; x 1 3/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103434</td>
<td>ACS-18-225H</td>
<td>3/16&quot; x 2 1/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103435</td>
<td>ACS-18-275H</td>
<td>3/16&quot; x 2 3/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103436</td>
<td>ACS-18-325H</td>
<td>3/16&quot; x 3 1/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103437</td>
<td>ACS-18-375H</td>
<td>3/16&quot; x 3 3/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103438</td>
<td>ACS-18-400H</td>
<td>3/16&quot; x 4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103439</td>
<td>ACS-25-125H*</td>
<td>1/4&quot; x 1 1/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103440</td>
<td>ACS-25-175H*</td>
<td>1/4&quot; x 1 3/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103441</td>
<td>ACS-25-225H</td>
<td>1/4&quot; x 2 1/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103442</td>
<td>ACS-25-275H</td>
<td>1/4&quot; x 2 3/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103443</td>
<td>ACS-25-325H</td>
<td>1/4&quot; x 3 1/4&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101103444</td>
<td>ACS-25-375H</td>
<td>1/4&quot; x 3 3/4&quot;</td>
<td>100</td>
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<tr>
<td>78101103445</td>
<td>ACS-25-400H</td>
<td>1/4&quot; x 4&quot;</td>
<td>100</td>
</tr>
</tbody>
</table>

| **Flat Head Concrete Screws** | | | |
| 78205153259     | ACS-18-125F*  | 3/16" x 1 1/4" | 100 |
| 78205153260     | ACS-18-175F*  | 3/16" x 1 3/4" | 100 |
| 78205153261     | ACS-18-225F   | 3/16" x 2 1/4" | 100 |
| 78205153262     | ACS-18-275F   | 3/16" x 2 3/4" | 100 |
| 78205153263     | ACS-25-125F*  | 1/4" x 1 1/4" | 100 |
| 78205153264     | ACS-25-175F*  | 1/4" x 1 3/4" | 100 |
| 78205153265     | ACS-25-225F   | 1/4" x 2 1/4" | 100 |
| 78205153266     | ACS-25-275F   | 1/4" x 2 3/4" | 100 |

* Not ICC-ES listed

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Bit Size</th>
<th>Usable Length</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Straight Shank Drill Bits</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78205153267</td>
<td>2782SD</td>
<td>5/32&quot; x 4 1/2&quot;</td>
<td>3’</td>
<td>1</td>
</tr>
<tr>
<td>78205153269</td>
<td>2786SD</td>
<td>3/16&quot; x 4 1/2&quot;</td>
<td>3’</td>
<td>1</td>
</tr>
<tr>
<td><strong>SDS Hex Drill Bits</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78205153268</td>
<td>2793</td>
<td>5/32&quot; x 5”</td>
<td>3’</td>
<td>1</td>
</tr>
<tr>
<td>78205153270</td>
<td>2796</td>
<td>3/16&quot; x 5”</td>
<td>3’</td>
<td>1</td>
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</table>

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Description</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Setting Tool</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78101103453</td>
<td>2791</td>
<td>Concrete Screw Tool Kit</td>
<td>100</td>
</tr>
</tbody>
</table>
Anchors

Wedge Expansion Anchors

- Heavy and medium duty all purpose anchor.
- For use in solid concrete and grout filled block.
- Anchors can be installed through the fixture, no need for hole spotting.
- Wire hanger hole size 9/32" diameter, head height 3/4".
- UL & FM approved.
- Available in Zinc Plated Carbon Steel or Type 304 Stainless Steel.

<table>
<thead>
<tr>
<th>Wedge Expansion Anchor - Data</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>1/4</td>
<td>3/8</td>
<td>1/2</td>
<td>5/8</td>
</tr>
<tr>
<td>Fixture Clearance Hole (in.)</td>
<td>5/16</td>
<td>7/16</td>
<td>9/16</td>
<td>11/16</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
<td>5/8&quot;-11</td>
</tr>
<tr>
<td>Washer O.D. (in.)</td>
<td>5/8</td>
<td>13/16</td>
<td>1 1/16</td>
<td>1 3/4</td>
</tr>
<tr>
<td>Wrench Size</td>
<td>7/16</td>
<td>9/16</td>
<td>3/4</td>
<td>15/16</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>8</td>
<td>28</td>
<td>60</td>
<td>90</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1 1/8</td>
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* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

> Carbon steel anchors ICC Listed, ESR 2818, qualified for seismic and wind loading in concrete.
> Carbon steel anchors ICC Listed, ESR 2966, qualified for wind and seismic loading in grouted masonry.
> Stainless steel anchors ICC Listed, ESR 2502, qualified for seismic and wind loading in concrete.

Read safety/installation instruction sheets in packages before use.

Eaton's B-Line series fasteners www.eaton.com/b-lineseries

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Wedge Expansion Anchors

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<th>UPC/Part Number</th>
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</tbody>
</table>

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners www.eaton.com/b-lineseries
Seismic Wedge Anchors

- Fully threaded, torque-controlled, wedge anchor which is designed for consistent performance in cracked and uncracked concrete.
- For use in concrete, structural sand lightweight concrete, and concrete over metal deck.
- Nominal drill bit size is the same as the anchor diameter.
- ICC-ES listed, ESR-2502, Category 1
- Zinc plated carbon steel body with stainless steel expansion clip from premium performance.
- Qualified for seismic and wind loading.

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<td>9/16</td>
<td>11/16</td>
<td>13/16</td>
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For loading information, ICC-ES certified see ICC-ES ESR-2502.
* Based on cracked concrete with a compressive strength of 4000 psi. These loads were converted from Factored Design Strengths assuming 50% dead load and 50% live load, and a controlling load combination 1.2D + 1.6L.
### Seismic Wedge Anchors

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<th>Catalog Number</th>
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</table>

Read safety/installation instruction sheets in packages before use.
Anchors

Drive Anchor

- One-piece, tamper-proof vibration resistant anchor for use in concrete.
- Anchor is formed with an ‘s’ shaped configuration at the working end of the anchor to create an expansion mechanism.
- Anchor is pre-expanded so no secondary tightening operation is required.
- FM approved. (pipe hanger version)
- Made of Zinc Plated carbon steel.

### Mushroom Head - Data

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### Rod Hanger - Data

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### Wire Hanger - Data

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* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries

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# Drive Anchors

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<td>ADA-25-125</td>
<td>1/4” x 1 1/4”</td>
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<tr>
<td>78205153280</td>
<td>ADA-25-150</td>
<td>1/4” x 1 1/2”</td>
<td>100</td>
</tr>
<tr>
<td>78205153281</td>
<td>ADA-25-200</td>
<td>1/4” x 2”</td>
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</tr>
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<td>78205153282</td>
<td>ADA-25-250</td>
<td>1/4” x 2 1/2”</td>
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<tr>
<td>78205153283</td>
<td>ADA-25-300</td>
<td>1/4” x 3”</td>
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<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Head Size</th>
<th>Box Qty.</th>
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<tbody>
<tr>
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<tr>
<td>78205153286</td>
<td>ADA-37RH</td>
<td>3/8”</td>
<td>100</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries

200
**Anchors**

**Sleeve Type Expansion Anchors**

- For use in concrete and masonry substrates.
- Suitable for solid and hollow core materials.
- Fits standard fixture holes - no need to undersize anchors for proper fit.
- Sleeve has 360° contact area and reduces concrete stress.
- UL & FM approved.
- Available in Zinc Plated Steel or Type 304 Stainless Steel.

### Sleeve Type Expansion - Data

<table>
<thead>
<tr>
<th>Diameter</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
<th>3/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>1/4</td>
<td>3/8</td>
<td>1/2</td>
<td>5/8</td>
<td>3/4</td>
</tr>
<tr>
<td>Fixture Clearance Hole (in.)</td>
<td>5/16</td>
<td>7/16</td>
<td>9/16</td>
<td>11/16</td>
<td>15/16</td>
</tr>
<tr>
<td>Plow Bolt Size (UNC)</td>
<td>#10-24</td>
<td>5/16-18</td>
<td>5/8-16</td>
<td>1/2-13</td>
<td>7/8-11</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1/2</td>
<td>1 1/4</td>
<td>1 1/2</td>
<td>2</td>
<td>2 1/4</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>65</td>
<td>540</td>
<td>645</td>
<td>1405</td>
<td>1455</td>
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<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>250</td>
<td>1030</td>
<td>1215</td>
<td>1215</td>
<td>2760</td>
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</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading contact factory.

### Sleeve Type Expansion - Data

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<thead>
<tr>
<th>Diameter</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
<th>3/4&quot;</th>
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<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>1/4</td>
<td>3/8</td>
<td>1/2</td>
<td>5/8</td>
<td>3/4</td>
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<tr>
<td>Fixture Clearance Hole (in.)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>1/4</td>
<td></td>
</tr>
<tr>
<td>Plow Bolt Size (UNC)</td>
<td>#10-24</td>
<td>5/16-18</td>
<td>3/8-16</td>
<td>1/4-20</td>
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</tr>
<tr>
<td>Coupling Height (in.)</td>
<td>7/8</td>
<td>1</td>
<td>1 1/4</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1/2</td>
<td>1 1/4</td>
<td>1 1/2</td>
<td>1</td>
<td></td>
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<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>65</td>
<td>540</td>
<td>645</td>
<td>350</td>
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</tr>
<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>250</td>
<td>1030</td>
<td>1215</td>
<td>590</td>
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</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading go to www.cooperbline.com.

For loading information, see ICC-ES ESR-2502.

---

Read safety/installation instruction sheets in packages before use.

**Eaton’s B-Line series fasteners**  www.eaton.com/b-lineseries
## Sleeve Type Expansion Anchors

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Size</th>
<th>Thread Length</th>
<th>Box Qty.</th>
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<tbody>
<tr>
<td><strong>Hex Nut Style</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78101102995</td>
<td>ASA-37-187HN</td>
<td>3/8&quot; x 1 7/8&quot;</td>
<td>1 5/8&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78101102996</td>
<td>ASA-37-300HN</td>
<td>3/8&quot; x 3&quot;</td>
<td>1 5/8&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78205153400</td>
<td>ASA-37-400HN</td>
<td>3/8&quot; x 4&quot;</td>
<td>1 5/8&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78101102997</td>
<td>ASA-50-225HN</td>
<td>1/2&quot; x 2 1/2&quot;</td>
<td>2 1/8&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101102998</td>
<td>ASA-50-300HN</td>
<td>1/2&quot; x 3&quot;</td>
<td>2 1/4&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101102999</td>
<td>ASA-50-400HN</td>
<td>1/2&quot; x 3 3/4&quot;</td>
<td>2 1/4&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78205153351</td>
<td>ASA-50-525HN</td>
<td>1/2&quot; x 5 1/4&quot;</td>
<td>2 1/4&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101103002</td>
<td>ASA-50-600HN</td>
<td>1/2&quot; x 6&quot;</td>
<td>2 1/4&quot;</td>
<td>10</td>
</tr>
<tr>
<td>78101103003</td>
<td>ASA-62-225HN</td>
<td>5/8&quot; x 2 1/2&quot;</td>
<td>2 1/8&quot;</td>
<td>25</td>
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<tr>
<td>78101103004</td>
<td>ASA-62-300HN</td>
<td>5/8&quot; x 3&quot;</td>
<td>2 3/4&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101103005</td>
<td>ASA-62-425HN</td>
<td>5/8&quot; x 4 1/4&quot;</td>
<td>2 3/4&quot;</td>
<td>10</td>
</tr>
<tr>
<td>78101103006</td>
<td>ASA-62-600HN</td>
<td>5/8&quot; x 5 3/4&quot;</td>
<td>2 3/4&quot;</td>
<td>10</td>
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<tr>
<td>78101103007</td>
<td>ASA-75-250HN</td>
<td>3/4&quot; x 2 3/4&quot;</td>
<td>2 1/8&quot;</td>
<td>10</td>
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<tr>
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<td>ASA-75-425HN</td>
<td>3/4&quot; x 4 1/4&quot;</td>
<td>3 3/8&quot;</td>
<td>10</td>
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<tr>
<td>78101103009</td>
<td>ASA-75-625HN</td>
<td>3/4&quot; x 6 1/4&quot;</td>
<td>3 3/8&quot;</td>
<td>10</td>
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<tr>
<td><strong>Hex Nut Style - Stainless Steel</strong></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>78205153343</td>
<td>ASA-37-187HNSS4</td>
<td>3/8&quot; x 1 7/8&quot;</td>
<td>1 5/8&quot;</td>
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<tr>
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<td>ASA-37-300HNSS4</td>
<td>3/8&quot; x 3&quot;</td>
<td>1 5/8&quot;</td>
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<td>ASA-50-225HNSS4</td>
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<td>25</td>
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<tr>
<td>78205153349</td>
<td>ASA-50-300HNSS4</td>
<td>1/2&quot; x 3&quot;</td>
<td>2 1/4&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78205153350</td>
<td>ASA-50-400HNSS4</td>
<td>1/2&quot; x 3 3/4&quot;</td>
<td>2 1/4&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78205153352</td>
<td>ASA-62-425HNSS4</td>
<td>5/8&quot; x 4 1/4&quot;</td>
<td>2 3/4&quot;</td>
<td>10</td>
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<tr>
<td><strong>Acorn Nut Style</strong></td>
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<td></td>
<td></td>
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<tr>
<td>78205153341</td>
<td>ASA-25-62AN</td>
<td>1/4&quot; x 5/8&quot;</td>
<td>1/2&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101102991</td>
<td>ASA-25-137AN</td>
<td>1/4&quot; x 1 3/8&quot;</td>
<td>1 1/8&quot;</td>
<td>100</td>
</tr>
<tr>
<td>78101102992</td>
<td>ASA-25-225AN</td>
<td>1/4&quot; x 2 1/4&quot;</td>
<td>1 1/8&quot;</td>
<td>100</td>
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<tr>
<td><strong>Slotted Round Head Style</strong></td>
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<tr>
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<td>1/4&quot; x 1 3/8&quot;</td>
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<tr>
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<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Size</th>
<th>Drill Diameter</th>
<th>Box Qty.</th>
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<tbody>
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<td><strong>Rod Hanger</strong></td>
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<tr>
<td>78205153339</td>
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<tr>
<td>78205153348</td>
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<td><strong>Wire Hanger</strong></td>
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<tr>
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<td>ASA-31-150WH</td>
<td>5/16&quot; x 2 3/8&quot;</td>
<td>5/16&quot;</td>
<td>100</td>
</tr>
</tbody>
</table>

Read safety/installation instruction sheets in packages before use.

Eaton's B-Line series fasteners  www.eaton.com/b-lineseries

202
Double Expansion Anchors

- For use in concrete, block, brick or stone.
- Double expansion anchor is particularly suited for base materials of questionable strength (job site tests are recommended).
- Internally threaded anchor for easy removability and service work.
- Made of Zamac Alloy material.

**Double Expansion - Data**

<table>
<thead>
<tr>
<th></th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size</td>
<td>1/2</td>
<td>3/4</td>
<td>1/8</td>
<td>1</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
<td>5/8&quot;-11</td>
</tr>
<tr>
<td>Thread Length In Cone (in.)</td>
<td>1/2</td>
<td>5/8</td>
<td>3/4</td>
<td>7/8</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1 1/4</td>
<td>1 3/4</td>
<td>2 1/4</td>
<td>2 1/2</td>
</tr>
<tr>
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<td>500</td>
<td>890</td>
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<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>285</td>
<td>750</td>
<td>1080</td>
<td>2570</td>
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</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

**UPC/Part Number**

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Anchor Length</th>
<th>Box Qty.</th>
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</thead>
<tbody>
<tr>
<td>78101103251</td>
<td>ADE-25</td>
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<td>50</td>
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<tr>
<td>78101103253</td>
<td>ADE-37</td>
<td>3/8&quot;</td>
<td>2&quot;</td>
<td>50</td>
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<tr>
<td>78101103254</td>
<td>ADE-50</td>
<td>1/2&quot;</td>
<td>2 1/2&quot;</td>
<td>25</td>
</tr>
<tr>
<td>78101103256</td>
<td>ADE-62</td>
<td>5/8&quot;</td>
<td>2 3/4&quot;</td>
<td>25</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES listed

Read safety/installation instruction sheets in packages before use.
Single Expansion Anchors

- For use in concrete, block, brick or stone.
- Recommended for floor and wall attachments.
- Not recommended for overhead applications.
- Internally threaded anchor for easy removability and service work.
- Made of Zamac Alloy material.

<table>
<thead>
<tr>
<th>Single Expansion - Data</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
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</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>1/2</td>
<td>3/4</td>
<td>7/8</td>
<td>1</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
<td>5/8&quot;-11</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>5/16</td>
<td>5/16</td>
<td>7/16</td>
<td>5/8</td>
</tr>
<tr>
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<tr>
<td>Load Capacity Shear (lbs) *</td>
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<td>805</td>
<td>1000</td>
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* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Size</th>
<th>Anchor Length</th>
<th>Box Qty.</th>
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<tbody>
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<td>ASE-25</td>
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<tr>
<td>78101103247</td>
<td>ASE-37</td>
<td>3/8&quot;</td>
<td>1 1/2&quot;</td>
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<tr>
<td>78101103248</td>
<td>ASE-50</td>
<td>1/2&quot;</td>
<td>2 1/16&quot;</td>
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<tr>
<td>78101103249</td>
<td>ASE-62</td>
<td>5/8&quot;</td>
<td>2 5/8&quot;</td>
<td>25</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES listed

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries
Wood Knocker™ Anchors

- Wood-Knocker™ concrete inserts are installed onto wooden forms used to support newly poured concrete floor slabs, roof slabs or walls.
- When the forms are stripped, the color-coded flange is visibly embedded in the concrete surface.
- The unique, six sided impact plate offers resistance to rotation within the concrete as threaded rod is being installed.
- Suitable for overhead installations such as suspending cable tray, pipe hangers, strut and conduit.
- Color coded by size for all trades.
- UL and FM approved.
- Lowest in-place cost.

### Wood Knocker™ - Data

<table>
<thead>
<tr>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
<th>5/8&quot;</th>
<th>3/4&quot;</th>
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<tr>
<td>Insert Thread Length (in.)</td>
<td>3/8</td>
<td>5/8</td>
<td>11/16</td>
<td>15/16</td>
</tr>
<tr>
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<td>1 3/8</td>
<td>1 3/8</td>
<td>1 5/8</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
<td>5/8&quot;-11</td>
</tr>
<tr>
<td>Overall Length (in.)</td>
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<td>1 7/8</td>
<td>1 7/8</td>
<td>1 7/8</td>
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<tr>
<td>Min. Insert Spacing (in.)</td>
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<td>9</td>
<td>12</td>
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<tr>
<td>Min. End Distance (in.)</td>
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<td>6</td>
<td>9</td>
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<tr>
<td>Load Capacity Tension (lbs) *</td>
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<td>1605</td>
<td>1550</td>
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<tr>
<td>Load Capacity Shear (lbs) *</td>
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<td>2465</td>
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* Based on normal weight concrete with minimum compression strength of 3000 psi. Allowable load capacities are calculated using applied safety factor of 3.0. For additional loading information contact factory. Minimum embedment depth is 2". The allowable load must be the lesser of the insert capacity and the steel strength of the rod.

### UPC/Part Number

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rod Diameter</th>
<th>Color</th>
<th>Box Qty.</th>
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<tr>
<td>78205131147</td>
<td>ACPW-25</td>
<td>1/4&quot;</td>
<td>Brown</td>
</tr>
<tr>
<td>78205131149</td>
<td>ACPW-38</td>
<td>3/8&quot;</td>
<td>Green</td>
</tr>
<tr>
<td>78205131151</td>
<td>ACPW-50</td>
<td>1/2&quot;</td>
<td>Yellow</td>
</tr>
<tr>
<td>78205131152</td>
<td>ACPW-62</td>
<td>5/8&quot;</td>
<td>Red</td>
</tr>
<tr>
<td>78205131153</td>
<td>ACPW-75</td>
<td>3/4&quot;</td>
<td>Purple</td>
</tr>
</tbody>
</table>


† Wood Knocker™ is a registered trademark used by Power® Fasteners, Inc.
Bang-It™ Anchors

- Bang-It™ concrete inserts are designed for installation in and through metal composite deck used to support newly poured concrete floors or roof slabs.
- After installation, the protective sleeve of the insert protrudes below the surface of the deck, allowing overhead attachment of threaded rod.
- The unique, six sided impact plate offers resistance to rotation within the concrete as threaded rod is being installed.
- Suitable for overhead installations such as suspending cable tray, pipe hangers, strut and conduit.
- Color coded by size for all trades.
- UL and FM approved.
- Lowest in-place cost.

<table>
<thead>
<tr>
<th>Bang-It™ - Data</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Metal Hole Saw Diameter (in.)</strong></td>
</tr>
<tr>
<td>1/4&quot;</td>
</tr>
<tr>
<td>3/8&quot;</td>
</tr>
<tr>
<td>1/2&quot;</td>
</tr>
<tr>
<td>5/8&quot;</td>
</tr>
<tr>
<td>3/4&quot;</td>
</tr>
</tbody>
</table>

* Based on sand lightweight and normal weight concrete with minimum compression strength of 3000 psi over steel deck. Allowable load capacities are calculated using applied safety factor of 3.0. For additional loading information contact factory. Minimum insert spacing of 6", minimum end spacing 6".

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Diameter</th>
<th>Color</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205131154</td>
<td>ACPD-25</td>
<td>1/4&quot;</td>
<td>Brown</td>
<td>100</td>
</tr>
<tr>
<td>78205131156</td>
<td>ACPD-38</td>
<td>3/8&quot;</td>
<td>Green</td>
<td>100</td>
</tr>
<tr>
<td>78205131157</td>
<td>ACPD-50</td>
<td>1/2&quot;</td>
<td>Yellow</td>
<td>100</td>
</tr>
<tr>
<td>78205131158</td>
<td>ACPD-62</td>
<td>5/8&quot;</td>
<td>Red</td>
<td>50</td>
</tr>
<tr>
<td>78205131166</td>
<td>ACPD-75</td>
<td>3/4&quot;</td>
<td>Purple</td>
<td>50</td>
</tr>
</tbody>
</table>

Bang-It™ Hole Saws

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Diameter</th>
<th>Color</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205131169</td>
<td>ACPD-HS813</td>
<td>13/16&quot; Carbine Hole Saw for 1/4&quot;, 3/8&quot;, 1/2&quot;</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>78205131171</td>
<td>ACPD-HS188</td>
<td>13/16&quot; Carbine Hole Saw for 5/8&quot;, 3/4&quot;</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>


† Bang-It™ is a registered trademark used by Power® Fasteners, Inc.

Read safety/installation instruction sheets in packages before use.
Machine Screw Anchors

- For use in concrete, block, brick or stone.
- Not recommended for use in overhead applications.
- Readily accepts machine bolts.
- Internally threaded anchor for easy removability and service work.
- Anchor installation requires shallow embedment.
- Made of Zamac Alloy material.

Machine Screw Anchor - Data

<table>
<thead>
<tr>
<th>ANSI Drill Bit Size (in.)</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>1/2</td>
<td>3/4</td>
<td>7/8</td>
</tr>
<tr>
<td>Thread Size (UNC)</td>
<td>7/8</td>
<td>11/4</td>
<td>11/2</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>375</td>
<td>620</td>
<td>875</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>355</td>
<td>825</td>
<td>1135</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

UPC/Part Number | Catalog Number | Rod Diameter | Box Qty.
--- | --- | --- | ---
78101103239 | AMS-25 | 1/4" | 100 |
78101103242 | AMS-37 | 3/8" | 50 |
78101103243 | AMS-50 | 1/2" | 50 |

Setting Tool

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Rod Diameter</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205109765</td>
<td>9221</td>
<td>1/4&quot;</td>
<td>1</td>
</tr>
<tr>
<td>78205109767</td>
<td>9231</td>
<td>3/8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>78205109768</td>
<td>9241</td>
<td>1/2&quot;</td>
<td>1</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners www.eaton.com/b-lineseries
Self-Tapping Screw Anchors

- For use in normal-weight concrete, structural sand lightweight concrete and concrete over metal deck.
- Anchor design allows for shallow embedment and mechanically interlocks with base material.
- Internally threaded anchor for easy adjustment and removability of threaded rod or bolt.
- Fast anchor installation with a powered impact wrench.
- Suitable for overhead applications such as suspending cable tray, strut, pipe hangers and conduit.
- FM Approved.
- Made of Zinc Plated carbon steel.
- Setting tool included.

<table>
<thead>
<tr>
<th>Self-Tapping Machine Screw - Data</th>
<th>3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>1/2</td>
</tr>
<tr>
<td>Min. Concrete Thickness (in.)</td>
<td>4</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>8</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>1 5/8</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>590</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>260</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 3000 psi in uncracked concrete using applied safety factor of 4.0. For additional loading information contact factory. The shear capacity is controlled by steel strength and is ASTM A36 (or equivalent). For ultimate strength design data in cracked and uncracked concrete, see ICC-ES ESR-2272.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Size</th>
<th>Thread Depth</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-Tapping Screw Anchor</td>
<td>78205153362</td>
<td>ATM-37</td>
<td>3/8&quot;</td>
<td>11/16&quot;</td>
</tr>
<tr>
<td>Tool</td>
<td>78205153363</td>
<td>6407 SD</td>
<td>3/8&quot;</td>
<td>--</td>
</tr>
</tbody>
</table>


Read safety/installation instruction sheets in packages before use.
Anchors

Drive Nail Anchors

- For use in concrete, block or brick.
- Anchor is recommended for light duty, tamper-proof applications.
- Not recommended for overhead applications.
- Made of Zamac Alloy material.

<table>
<thead>
<tr>
<th>Drive Nail - Data</th>
<th>3/16”</th>
<th>1/4”</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANSI Drill Bit Size (in.)</td>
<td>3/16</td>
<td>1/4</td>
</tr>
<tr>
<td>Fixture Clearance Hole (in.)</td>
<td>1/4</td>
<td>5/16</td>
</tr>
<tr>
<td>Head Height (in.)</td>
<td>7/64</td>
<td>9/64</td>
</tr>
<tr>
<td>Head Size, O.D. (in.)</td>
<td>13/32</td>
<td>35/64</td>
</tr>
<tr>
<td>Min. Embedment Depth (in.)</td>
<td>3/4</td>
<td>5/8</td>
</tr>
<tr>
<td>Load Capacity Tension (lbs) *</td>
<td>100</td>
<td>145</td>
</tr>
<tr>
<td>Load Capacity Shear (lbs) *</td>
<td>140</td>
<td>205</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Size</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78101102964</td>
<td>ADN-18-87</td>
<td>3/16” x 7/8”</td>
<td>100</td>
</tr>
<tr>
<td>78101102965</td>
<td>ADN-25-75</td>
<td>1/4” x 3/4”</td>
<td>100</td>
</tr>
<tr>
<td>78101102966</td>
<td>ADN-25-100</td>
<td>1/4” x 1”</td>
<td>100</td>
</tr>
<tr>
<td>78101102967</td>
<td>ADN-25-125</td>
<td>1/4” x 1 1/4”</td>
<td>100</td>
</tr>
<tr>
<td>78101102968</td>
<td>ADN-25-150</td>
<td>1/4” x 1 1/2”</td>
<td>100</td>
</tr>
<tr>
<td>78101102969</td>
<td>ADN-25-200</td>
<td>1/4” x 2”</td>
<td>100</td>
</tr>
<tr>
<td>78205153306</td>
<td>ADN-25-300</td>
<td>1/4” x 3”</td>
<td>100</td>
</tr>
</tbody>
</table>

† Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners www.eaton.com/b-lineseries

209
Toggle Bolts

- The toggle bolt is a spring wing type hollow wall anchor designed for use in block, wallboard and other hollow base materials.
- Anchor is a two-part assembly consisting of a machine screw and a spring wing toggle.
- Adjustable to accommodate various wall thicknesses up to 2 1/2".
- Combo round head bolt is provided.
- Made of zinc plated carbon steel.

---

### Toggle Bolt - Data

<table>
<thead>
<tr>
<th>Material</th>
<th>Tension 3/16&quot;</th>
<th>Shear 3/16&quot;</th>
<th>Tension 1/4&quot;</th>
<th>Shear 1/4&quot;</th>
<th>Tension 3/8&quot;</th>
<th>Shear 3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; Wallboard</td>
<td>35</td>
<td>35</td>
<td>55</td>
<td>55</td>
<td>60</td>
<td>65</td>
</tr>
<tr>
<td>1/2&quot; Wallboard</td>
<td>45</td>
<td>50</td>
<td>60</td>
<td>60</td>
<td>65</td>
<td>75</td>
</tr>
<tr>
<td>5/8&quot; Wallboard</td>
<td>60</td>
<td>60</td>
<td>65</td>
<td>65</td>
<td>75</td>
<td>80</td>
</tr>
<tr>
<td>3/4&quot; Wallboard</td>
<td>75</td>
<td>70</td>
<td>80</td>
<td>75</td>
<td>85</td>
<td>90</td>
</tr>
<tr>
<td>Hollow Concrete Masonry *</td>
<td>70</td>
<td>70</td>
<td>70</td>
<td>120</td>
<td>195</td>
<td>140</td>
</tr>
</tbody>
</table>

Allowable load capacities are calculated using applied safety factor of 4.0. For additional loading information contact factory.

* Based on hollow wall concrete masonry with minimum compression strength of 1500 psi.

---

### UPC/Part Number

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Drill Diameter</th>
<th>Size</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATB-18-300</td>
<td>1/2&quot;</td>
<td>3/16&quot; x 3&quot;</td>
<td>50</td>
</tr>
<tr>
<td>ATB-18-400</td>
<td>1/2&quot;</td>
<td>3/16&quot; x 4&quot;</td>
<td>50</td>
</tr>
<tr>
<td>ATB-25-300</td>
<td>5/8&quot;</td>
<td>1/4&quot; x 3&quot;</td>
<td>50</td>
</tr>
<tr>
<td>ATB-25-400</td>
<td>5/8&quot;</td>
<td>1/4&quot; x 4&quot;</td>
<td>50</td>
</tr>
<tr>
<td>ATB-37-300</td>
<td>7/8&quot;</td>
<td>3/8&quot; x 3&quot;</td>
<td>25</td>
</tr>
<tr>
<td>ATB-37-400</td>
<td>7/8&quot;</td>
<td>3/8&quot; x 4&quot;</td>
<td>25</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified.
Not for use in seismic applications.

---

Read safety/installation instruction sheets in packages before use.
Anchors

Wall Screws

- One-piece, all steel anchor with high-profile threads for easy fastening into wallboard and other masonry base materials.
- Deep cutting, corkscrew-like threads provide for smooth entry and a strong hold.
- No pre-drilling is required when fastening into wallboard or wood.
- Fastening into concrete, hollow or grout filled block, brick and plaster requires a pre-drilled 3/16" ANSI hole.
- Installed with a No. 8 drill bit or No. 2 Phillips driver.
- Made of case hardened carbon steel with chrome finish.

![Wall Screw Image]

<table>
<thead>
<tr>
<th>Wall Screw - Data</th>
<th>Minimum Embedment Depth</th>
<th>Load Cap. Tension (lbs.) *</th>
<th>Load Cap. Shear (lbs.) *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete *</td>
<td>3/4&quot;</td>
<td>90</td>
<td>260</td>
</tr>
<tr>
<td>1/2&quot; Wallboard</td>
<td>NA</td>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>5/8&quot; Wallboard</td>
<td>NA</td>
<td>35</td>
<td>90</td>
</tr>
<tr>
<td>3/4&quot; Plywood</td>
<td>NA</td>
<td>65</td>
<td>150</td>
</tr>
<tr>
<td>Grout-Filled Concrete Masonry</td>
<td>1&quot;</td>
<td>55</td>
<td>165</td>
</tr>
<tr>
<td>Hollow Concrete Masonry</td>
<td>1&quot;</td>
<td>60</td>
<td>165</td>
</tr>
<tr>
<td>Brick Masonry</td>
<td>3/4&quot;</td>
<td>70</td>
<td>120</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi. Allowable load capacities are calculated using an applied safety factor of 4.0. For additional loading contact factory.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Size</th>
<th>Head Type</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205153372</td>
<td>AWS-CH</td>
<td>3/16&quot; x 1 1/4&quot;</td>
<td>Combo</td>
<td>100</td>
</tr>
<tr>
<td>78205153373</td>
<td>AWS-OH</td>
<td>3/16&quot; x 1 1/4&quot;</td>
<td>Oval</td>
<td>100</td>
</tr>
<tr>
<td>78205153374</td>
<td>AWS-PH</td>
<td>3/16&quot; x 1 1/4&quot;</td>
<td>Pan</td>
<td>100</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.

Eaton’s B-Line series fasteners  www.eaton.com/b-lineseries

211
Plastic Screw Anchors

- One-piece anchor designed for light duty applications in wallboard, concrete and masonry.
- Works in hollow or solid base materials.
- Suitable for screws with various thread sizes and styles - screws may be installed with a screw gun.

<table>
<thead>
<tr>
<th>Plastic Screw Anchor - Data</th>
<th>APS-4</th>
<th>APS-6</th>
<th>APS-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill Diameter (in.)</td>
<td>3/16</td>
<td>1/4</td>
<td>5/16</td>
</tr>
<tr>
<td>Screw Size Range</td>
<td>#4-#10</td>
<td>#6-#12</td>
<td>#8-#14</td>
</tr>
<tr>
<td>Min. Thread Length (in.)</td>
<td>13/16</td>
<td>13/8</td>
<td>113/16</td>
</tr>
<tr>
<td>Min. Hole Diameter (in.)</td>
<td>13/8</td>
<td>19/16</td>
<td>2</td>
</tr>
<tr>
<td>Min. Wall Thickness (in.)</td>
<td>1/4</td>
<td>3/8</td>
<td>1/2</td>
</tr>
<tr>
<td>Min. Embedded Thread Length (in.)</td>
<td>7/8</td>
<td>2</td>
<td>29/16</td>
</tr>
</tbody>
</table>

Load Capacity Tension (lbs) *
- APS-4: 18
- APS-6: 20
- APS-8: 22

Load Capacity Shear (lbs) *
- APS-4: 32
- APS-6: 40
- APS-8: 45

* Allowable load capacities are calculated using an applied safety factor of 4.0. For additional loading information contact factory.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Screw Size</th>
<th>Box Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic Screw Anchors</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>78205153315</td>
<td>APS-4</td>
<td>#4 - #10</td>
<td>100</td>
</tr>
<tr>
<td>78205153316</td>
<td>APS-6</td>
<td>#6 - #12</td>
<td>100</td>
</tr>
<tr>
<td>78205153319</td>
<td>APS-8</td>
<td>#8 - #14</td>
<td>100</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified
Anchors

Plastic Hollow Wall Anchors

- Heavy duty hollow wall anchor designed for use in plaster, wallboard, concrete block, or hollow tile.
- Pre-assembled anchor consisting of a carbon steel wing and a locking cap/ratchet leg assembly molded from engineered plastic.
- When compared to traditional toggles, this anchor can be installed in a smaller hole and does not require a fixture or screw to set it.
- Adjustable to accommodate various wall thickness up to 2 1/2".

![Image of Plastic Hollow Wall Anchors](image)

<table>
<thead>
<tr>
<th>Plastic Hollow Wall - Data</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thread Size (UNC)</td>
<td>3/16&quot;-24</td>
<td>1/4&quot;-20</td>
<td>3/8&quot;-16</td>
<td>1/2&quot;-13</td>
</tr>
<tr>
<td>Max. Tightening Torque (ft-lbs)</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Minimum Clearance (in.)</td>
<td>1 5/8&quot;</td>
<td>1 5/8&quot;</td>
<td>1 5/8&quot;</td>
<td>1 5/8&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Plastic Hollow Wall - Data</th>
<th>3/16&quot;</th>
<th>1/4&quot;</th>
<th>3/8&quot;</th>
<th>1/2&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot; Wallboard</td>
<td>35 70</td>
<td>35 70</td>
<td>35 70</td>
<td>35 75</td>
</tr>
<tr>
<td>1/2&quot; Wallboard</td>
<td>40 75</td>
<td>40 75</td>
<td>55 105</td>
<td>55 110</td>
</tr>
<tr>
<td>5/8&quot; Wallboard</td>
<td>60 120</td>
<td>60 120</td>
<td>60 120</td>
<td>60 120</td>
</tr>
<tr>
<td>Hollow Concrete Masonry *</td>
<td>215 150</td>
<td>270 285</td>
<td>285 465</td>
<td>345 595</td>
</tr>
</tbody>
</table>

Allowable load capacities are calculated using an applied safety factor of 4.0. For additional loading information contact factory.

* Based on hollow wall concrete masonry with minimum compression strength of 1500 psi.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Anchor Size</th>
<th>Drill Dia.</th>
<th>Wall Thickness</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78205153311</td>
<td>APH-18</td>
<td>3/16&quot; x 4&quot;</td>
<td>1/2&quot;</td>
<td>3/8&quot; - 2 1/2&quot;</td>
<td>50</td>
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<tr>
<td>78205153312</td>
<td>APH-25</td>
<td>1/4&quot; x 4&quot;</td>
<td>1/2&quot;</td>
<td>3/8&quot; - 2 1/2&quot;</td>
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<td>APH-37</td>
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<td>78205153314</td>
<td>APH-50</td>
<td>1/2&quot; x 4&quot;</td>
<td>3/4&quot;</td>
<td>3/8&quot; - 2 1/2&quot;</td>
<td>25</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified
Self-Drilling Wallboard Anchors

- One-piece self drilling anchor designed for use in hollow wallboard for light to medium duty loads.
- Ideal for mounting electrical fixtures, phone systems, and miscellaneous hardware.
- APD/AZD designed for use in 3/8" to 1" wallboard.
- APDM/AZDM designed for use in 5/8" to 5/8" wallboard.
- Kit includes 50 anchors, 50 screws and #2 Phillips Drive Bit.
- Available in engineered Nylon and Zamac Alloy.

<table>
<thead>
<tr>
<th>Anchor Length (in.)</th>
<th>APD/AZD</th>
<th>APDM/AZDM</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/16</td>
<td>3/4</td>
<td>3/4</td>
</tr>
<tr>
<td>Min. Screw Engagement (in.)</td>
<td>3/4</td>
<td>3/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Anchor - Data</th>
<th>APD/AZD</th>
<th>APDM/AZDM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anchor Length (in.)</td>
<td>11/16</td>
<td>15/16</td>
</tr>
<tr>
<td>Min. Screw Engagement (in.)</td>
<td>3/4</td>
<td>3/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Anchor Length (in.)</th>
<th>Tension (lbs.)</th>
<th>Shear (lbs.)</th>
<th>Tension (lbs.)</th>
<th>Shear (lbs.)</th>
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</thead>
<tbody>
<tr>
<td>3/8&quot; Wallboard</td>
<td>15</td>
<td>15</td>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td>5/8&quot; Wallboard</td>
<td>20</td>
<td>25</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>3/4&quot; Wallboard</td>
<td>20</td>
<td>25</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

Allowable load capacities are calculated using an applied safety factor of 4.0. For additional loading information contact factory.

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Screw Size</th>
<th>Box Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>78101103314</td>
<td>APD-8K</td>
<td>#8 x 1&quot;</td>
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<td>78101103318</td>
<td>AZD-8K</td>
<td>#8 x 1&quot;</td>
<td>50</td>
</tr>
<tr>
<td>78205153310</td>
<td>APDM-6K</td>
<td>#6 x 1&quot;</td>
<td>50</td>
</tr>
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<td>78205153375</td>
<td>AZDM-6K</td>
<td>#6 x 1&quot;</td>
<td>50</td>
</tr>
</tbody>
</table>

‡ Not ICC-ES certified

Read safety/installation instruction sheets in packages before use.
Plastic Conical Anchors

- Designed for use with lightweight fixtures.
- Recommended for use in concrete, block and brick.
- Recommended for light duty static applications where holding power is not critical.
- Not recommended for overhead use.
- Kit includes 100 anchors, 100 screws and one drill bit.
- Made of engineered plastic.

### Plastic Conical Anchor - Data

<table>
<thead>
<tr>
<th></th>
<th>#8</th>
<th></th>
<th>#10 - #12</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Tension (lbs.)</td>
<td>Shear (lbs.)</td>
<td>Tension (lbs.)</td>
</tr>
<tr>
<td>Nominal Weight Concrete *</td>
<td>85</td>
<td>70</td>
<td>140</td>
</tr>
<tr>
<td>Hollow Concrete Masonry **</td>
<td>60</td>
<td>45</td>
<td>70</td>
</tr>
<tr>
<td>Clay Brick Masonry ***</td>
<td>30</td>
<td>50</td>
<td>55</td>
</tr>
<tr>
<td>Minimum Embedment Depth</td>
<td>7/8&quot;</td>
<td>7/8&quot;</td>
<td>1&quot;</td>
</tr>
</tbody>
</table>

* Based on concrete compression strength of 4000 psi.
** Based on hollow concrete masonry with minimum compression strength of 1500 psi.
*** Based on clay brick masonry with minimum compression strength of 1500 psi.

Loads contain an applied safety factor of 4.0. For additional loading information contact factory.

### UPC/Part Catalog Screw Box

<table>
<thead>
<tr>
<th>UPC/Part Number</th>
<th>Catalog Number</th>
<th>Screw Size</th>
<th>Box Qty.</th>
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<tbody>
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<tr>
<td>78205153308</td>
<td>APC-10K</td>
<td>#10 x 1&quot;</td>
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<td>78205153309</td>
<td>APC-12K</td>
<td>#12 x 1&quot;</td>
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</tr>
</tbody>
</table>

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Read safety/installation instruction sheets in packages before use.