Fiberglass/Polymer Concrete & HDPE Products

The Standard to Which Others are Measured.
This catalog contains our Fiberglass/Polymer Concrete Splice Boxes and Vaults, all Polymer Concrete Splice Boxes, Polymer Concrete Flat Pads, and HDPE Splice Boxes. Please refer to our other catalogs for additional products, or visit us on the web at www.highlineproducts.com for a comprehensive product offering.

Thank you for your interest in HIGHLINE PRODUCTS. Please contact us through our local manufacturers’ representative or distributor, or by calling us at (781) 736-0002.

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Waltham, MA 02453-1480
Tel: (781) 736-0002
Fax: (781) 647-3607
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Whitesboro, TX 76273
Tel: (940) 668-8389
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### Polymer Concrete Flushmount Pull Boxes

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**Polymer Concrete and Fiberglass**

**Polymer Concrete**
The pull/splice box ring and cover shall be constructed of polymer concrete consisting of sand and aggregate bound together with a polymer resin. Internal reinforcement may be provided by means of steel, fiberglass, or a combination of the two. The polymer concrete material is to have the following minimum allowable properties to be accepted for use:

- **Ultraviolet Exposure:** Tested in accordance with ASTM G-53 using a U.V.A. 340 bulb.
- **Flammability Test:** Tested in accordance with ASTM D-635.
- **Accelerated Service:** Tested in accordance with Procedure E, ASTM D-756.
- **Water Absorption:** 72 foot-pounds in accordance with ASTM D-2444 using a “C” Tup.
- **Impact Resistance:** 11,000 psi tested in accordance with ASTM C-109 loaded at a rate between 28,000 lbs. to 41,000 lbs. per minute.
- **Flexural Strength:** 7,500 psi tested in accordance with ASTM D-790.
- **Tensile Strength:** 1,700 psi tested in accordance with ASTM C-466.
- **Skid Resistance:** 0.5 coefficient of friction in accordance with ASTM C-1028.
- **Chemical Resistance:** Tested according to ASTM D-543, Section 7, Procedure 1 using the following chemicals:
  - Sodium Chloride: 5%
  - Sulfuric Acid: 0.1N
  - Hydrochloric Acid: 0.2N
  - Sodium Sulfate: 0.1N
  - Sodium Carbonate: 0.1N
  - Sodium Hydroxide: 0.1N
- **Transformer Oil Per ASTM D-543**
- **Kerosene Per ASTM D-543**

**Fiberglass**

- **MATERIALS:** BASE
- **Thickness Tolerance:** ± 1/16” to 1/8”
- **Flexural Strength:** 17,000 - 18,000 psi
- **Flex Modulus:** 59 - 65 psi x10^6
- **Tensile Strength:** 9,100 - 10,500 psi
- **Impact Strength (notched Izod):** 15 - 17 ft/lbs/inch
- **Glass Length:** 1” random orientation
- **Glass Fiber Orientation:** Non Random
- **Resin Type:** Non-Isophthalic
- **Filler:** Gypsum
- **Water Absorption:** ≤ 1%

**Design Load Requirements**
The standard product line is designed and manufactured to perform under the following load rating designations:

- 10,400 lb W.U.C. 3.6 - 10,400-pound load applied over a 10” x 10” (100 square inch) area. This is in accordance with W.U.C. (Western Underground Committee recommended guide # 3.6-Non-Concrete Enclosures). For non-delaiberate, incidental light vehicular traffic.
- 20,800 lb W.U.C. 3.6 - 20,800-pound load applied over a 10” x 10” (100 square inch) area. This is in accordance with most Department of Transportation specifications for products installed in their right-of-way behind the curb line. For non-delaiberate, incidental heavy vehicular traffic.

**Product Test Procedures**
The following test methods have been used in evaluating the physical and chemical properties of the hybrid fiberglass/polymer concrete product line.

- **Impact Properties (Izod):** ASTM D 256  ASTM D 2444
- **Compressive Strength:** ASTM C 109
- **Tensile Strength:** ASTM C 190
- **Flexural Strength:** ASTM C 293
- **Chemical Resistance:** ASTM D 543
- **Simulated Sunlight:** ASTM D 1500
- **Vicat Softening Temperature:** ASTM D 1525
- **Water Absorption:** ASTM D 570
- **Ultra Violet Resistance:** ASTM G 53
- **Brittleness Temperature:** ASTM D 746
- **Flammability ASTM D 635**
- **Static Coefficient of Friction:** ASTM C 1028

**Polymer Concrete and Fiberglass Polymer Concrete Products**

**HIGHLINE PRODUCTS** underground enclosures are designed for use in pulling, splicing, and storing cable, as well as for access to underground power, communications, CATV, or water lines. They are an alternative to traditional concrete service boxes and vaults. Such products have been proven for over 30 years.

**HIGHLINE PRODUCTS** concrete-alternative underground enclosures come in two styles:

1. Hybrid: polymer concrete cover and supporting ring for traffic bearing molded to a fiberglass body for light weight.
2. All polymer concrete.

Traditional concrete and polymer concrete both consist basically of sand, aggregate, and a bonding material. In traditional concrete, the bonding material is Portland cement and water; in polymer concrete, it is resin epoxy.

The polymer concrete is also reinforced with fiberglass which results in a product that is three times the strength of traditional concrete with the additional advantage of much less weight than traditional concrete.

Why choose concrete-alternative enclosures?

1. Lightweight - as much as 90% lighter than concrete enclosures of the same size.
2. Cost effective - usually lower installed cost and low life cycle costs.
3. Non-conductive and non-flammable - polymer concrete and fiberglass do not conduct electricity, therefore affording a high degree of safety.
4. Corrosion resistant - lasts at acids, oils, gasoline, weathering and other forms of deterioration.
5. Stable under freeze-thaw conditions.
6. Capable of withstanding non-deliberate traffic of 20,000 pounds and more.

The standard of the industry is Western Underground Committee Guide 3.6 (WUC 3.6). This document spells out the specifications concerning load ratings and other performance requirements of non-traditional concrete products. Enclosures made by **HIGHLINE PRODUCTS** meet these specifications.

This catalog contains our complete product offering for your selection of boxes and vaults for your project:

1. The hybrid (polymer concrete ring and cover with fiberglass body) handhole series through 30” x 48”: CHA.
2. The hybrid series of larger vaults from 30” x 48” through 48” x 96”: CVA.
3. The all-polymer concrete (ring, cover, and body) series of handholes and vaults for your project:
4. The all-polymer concrete cover and supporting ring for traffic bearing series through 30” x 48”: PHA.
5. The all-polymer concrete series of larger vaults from 30” x 48” through 48” x 96”: PVA.
6. Polymer concrete flat pads.

To order please call (781) 736-0002 or visit our web site at www.highlineproducts.com
Fiberglass/Polymer Concrete Flushmount Pull Boxes

PRODUCT FEATURES
- Lightweight.
- 10K and 20K load ratings available.
- Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
- Non-conductive.
- Constructed of fire-retardant materials.
- Cable entrances available or are easily cut in field.
- Skid resistant covers.
- Logo as required.
- Penta or hex head bolts.
- Flared design for nestability.
- Can be manufactured in decorative colors.
- Interchangeable covers.
- Available with solid base and gaskets upon request.

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See page 16 for available options and ordering.

Polymer Concrete Flushmount Pull Boxes

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- Interchangeable covers.
- Available with solid base and gaskets upon request.
- Straight wall design for minimal excavation.
- Stackable.

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Catalog Number | Rating | Depth | Weight | Cover | Box
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CHA121218S | 10k lbs. | 18 | 43 | Polymer Concrete | Fiberglass
CHA121218H | 20k lbs. | 18 | 47 | Polymer Concrete | Fiberglass
CHA121224S | 10k lbs. | 24 | 50 | Polymer Concrete | Fiberglass
CHA121224H | 20k lbs. | 24 | 54 | Polymer Concrete | Fiberglass

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PHA121212S | 10k lbs. | 12 | 43 | Polymer Concrete | Polymer Concrete
PHA121212H | 20k lbs. | 12 | 44 | Polymer Concrete | Polymer Concrete
PHA121218S | 10k lbs. | 18 | 55 | Polymer Concrete | Polymer Concrete
PHA121218H | 20k lbs. | 18 | 56 | Polymer Concrete | Polymer Concrete
PHA121224S | 10k lbs. | 24 | 77 | Polymer Concrete | Polymer Concrete
PHA121224H | 20k lbs. | 24 | 78 | Polymer Concrete | Polymer Concrete

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- Constructed of fire-retardant materials.
- Skid resistant covers.
- Logo as required.
- Penta or hex head bolts.
- Can be manufactured in decorative colors.
- Interchangeable covers.
- Available with solid base and gaskets upon request.
- Straight wall design for minimal excavation.
- Stackable.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHA132412S</td>
<td>10k lbs.</td>
<td>12</td>
<td>87</td>
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<td>Polymer Concrete</td>
</tr>
<tr>
<td>PHA132412H</td>
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<td>108</td>
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</tr>
<tr>
<td>PHA132415S</td>
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<tr>
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<tr>
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</tr>
<tr>
<td>PHA132418H</td>
<td>20k lbs.</td>
<td>18</td>
<td>117</td>
<td>Polymer Concrete</td>
<td>Polymer Concrete</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.
## Fiberglass/Polymer Concrete Flushmount Pull Boxes

### PRODUCT FEATURES
- Lightweight.
- 10K and 20K load ratings available.
- Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
- Non-conductive.
- Constructed of fire-retardant materials.
- Cable entrances available or are easily cut in field.
- Skid resistant covers.
- Logo as required.
- Penta or hex head bolts.
- Flared design for nestability.
- Can be manufactured in decorative colors.
- Interchangeable covers.
- Available with solid base and gaskets upon request.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
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<td>CHA173012S</td>
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<tr>
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<td>135</td>
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<td>Fiberglass</td>
</tr>
<tr>
<td>CHA173018S</td>
<td>10k lbs.</td>
<td>18</td>
<td>109</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>CHA173018H</td>
<td>20k lbs.</td>
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<td>144</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>CHA173024S</td>
<td>10k lbs.</td>
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<td>118</td>
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<td>Fiberglass</td>
</tr>
<tr>
<td>CHA173024H</td>
<td>20k lbs.</td>
<td>24</td>
<td>154</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.

## Polymer Concrete Flushmount Pull Boxes

### PRODUCT FEATURES
- 10K and 20K load ratings available.
- Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
- Non-conductive.
- Constructed of fire-retardant materials.
- Skid resistant covers.
- Logo as required.
- Penta or hex head bolts.
- Can be manufactured in decorative colors.
- Interchangeable covers.
- Available with solid base and gaskets upon request.
- Straight wall design for minimal excavation.
- Stackable.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
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<td>Polymer Concrete</td>
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<td>Polymer Concrete</td>
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<td>Polymer Concrete</td>
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<td>Polymer Concrete</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.
Fiberglass/Polymer Concrete Flushmount Pull Boxes

**PRODUCT FEATURES**

- Lightweight.
- 10K and 20K load ratings available.
- Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
- Non-conductive.
- Constructed of fire-retardant materials.
- Cable entrances available or are easily cut in field.
- Skid resistant covers.
- Logo as required.
- Penta or hex head bolts.
- Flared design for nestability.
- Can be manufactured in decorative colors.
- Interchangeable covers.
- Available with solid base and gaskets upon request.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHA243618S</td>
<td>10k lbs.</td>
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<tr>
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<td>234</td>
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<tr>
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<td>188</td>
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<tr>
<td>CHA243624H</td>
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<td>253</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
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<tr>
<td>CHA243630S</td>
<td>10k lbs.</td>
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<td>189</td>
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<td>Fiberglass</td>
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<td>Fiberglass</td>
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<tr>
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<td>199</td>
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<td>Fiberglass</td>
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<td>36</td>
<td>265</td>
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<td>Fiberglass</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.

Polymer Concrete Flushmount Pull Boxes

**PRODUCT FEATURES**

- 10K and 20K load ratings available.
- Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
- Non-conductive.
- Constructed of fire-retardant materials.
- Skid resistant covers.
- Logo as required.
- Penta or hex head bolts.
- Can be manufactured in decorative colors.
- Interchangeable covers.
- Available with solid base and gaskets upon request.
- Straight wall design for minimal excavation.
- Stackable.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
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<td>PHA243618S</td>
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<td>229</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>PHA243618H</td>
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<td>291</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
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<tr>
<td>PHA243624S</td>
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<td>268</td>
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<tr>
<td>PHA243624H</td>
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<td>330</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>PHA243630S</td>
<td>10k lbs.</td>
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<td>284</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>PHA243630H</td>
<td>20k lbs.</td>
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<td>346</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
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<tr>
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<td>10k lbs.</td>
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<td>323</td>
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<td>36</td>
<td>385</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.
PRODUCT FEATURES
• Lightweight.
• 10K and 20K load ratings available.
• Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
• Non-conductive.
• Constructed of fire-retardant materials.
• Cable entrances available or are easily cut in field.
• Skid resistant covers.
• Logo as required.
• Penta or hex head bolts.
• Flared design for nestability.
• Can be manufactured in decorative colors.
• Interchangeable covers.
• Available with solid base and gaskets upon request.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
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<td>10k lbs.</td>
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<td>288</td>
<td>Polymer Concrete</td>
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<td>309</td>
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<td>Fiberglass</td>
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<tr>
<td>CHA304824H</td>
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<td>330</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>CHA304830S</td>
<td>10k lbs.</td>
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<td>338</td>
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<tr>
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<td>20k lbs.</td>
<td>36</td>
<td>361</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.

PRODUCT FEATURES
• 10K and 20K load ratings available.
• Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
• Non-conductive.
• Constructed of fire-retardant materials.
• Skid resistant covers.
• Logo as required.
• Penta or hex head bolts.
• Can be manufactured in decorative colors.
• Interchangeable covers.
• Available with solid base and gaskets upon request.
• Straight wall design for minimal excavation.
• Stackable.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Rating</th>
<th>Depth</th>
<th>Weight</th>
<th>Cover</th>
<th>Box</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHA304818S</td>
<td>10k lbs.</td>
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<td>345</td>
<td>Polymer Concrete</td>
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</tr>
<tr>
<td>PHA304818H</td>
<td>20k lbs.</td>
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<td>363</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>PHA304824S</td>
<td>10k lbs.</td>
<td>24</td>
<td>396</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
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<tr>
<td>PHA304824H</td>
<td>20k lbs.</td>
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<td>414</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
<tr>
<td>PHA304830S</td>
<td>10k lbs.</td>
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<td>Fiberglass</td>
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</tr>
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<td>521</td>
<td>Polymer Concrete</td>
<td>Fiberglass</td>
</tr>
</tbody>
</table>

See page 16 for available options and ordering.
PRODUCT FEATURES

- Constructed of fire-retardant materials.
- Skid resistant covers.
- Pulling eyes and cable racking installed upon request.
- Cable entrances available or are easily cut in field.
- Logo as required.
- Two piece and three piece covers on large size vaults.
- Penta or hex head bolts.
- 10K and 20K load ratings available.
- Loading characteristics conform to the Western Underground Committee recommended guide WUC 3.6.
- Non-conductive.

Applications:
- Pulling, splicing, and storing cable
- Waterworks installations

Consult factory for all Polymer Concrete Vaults.
**CV Series**

CVA = Vault and cover assembly

### NOMINAL COVER DIMENSIONS

<table>
<thead>
<tr>
<th>Model Number:</th>
<th>A Width</th>
<th>B Length</th>
<th>C Depth</th>
</tr>
</thead>
<tbody>
<tr>
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<td>24</td>
</tr>
<tr>
<td>CVA304830</td>
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<td>30</td>
</tr>
<tr>
<td>CVA304836</td>
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</tr>
</tbody>
</table>

Add “S” after Model Number for standard 10K cover/box.
Add “H” after Model Number for heavy duty 20K cover/box.
Custom sizes available upon request.

Available options for all vaults include: Custom Logo, EMS Marker, Terminators, Cable Racks, Knockouts, Pulling Eyes, Mouseholes, Solid Vault & Base.
Fiberglass/Polymer Concrete Flat Pad
PBP Series

PRODUCT FEATURES

• Constructed of fire-retardant materials.
• Light weight, high strength.
• Molded-in unistrut, or star insert eliminates the need for precise unit positioning.
• Has greater tensile and compression strength than concrete.
• Exceptional resistance to weathering and chemicals.
• Will not absorb moisture. Unaffected by freeze/thaw cycles.
• For single phase and three phase pad mount transformers.

<table>
<thead>
<tr>
<th>Model Number:</th>
<th>A Length</th>
<th>B Width</th>
<th>C Depth</th>
<th>D x E = Cable Opening</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>PBP 42-42-03-1225</td>
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<td>03</td>
<td>12 x 25</td>
</tr>
<tr>
<td>PBP 42-42-03-1227</td>
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<td>42</td>
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<td>12 x 27</td>
</tr>
<tr>
<td>PBP 42-42-04-1225</td>
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<td>42</td>
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<td>12 x 25</td>
</tr>
<tr>
<td>PBP 42-48-03-1225</td>
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<td>03</td>
<td>12 x 25</td>
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<tr>
<td>PBP 42-42-04-1227</td>
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<tr>
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<td>72</td>
<td>72</td>
<td>04</td>
<td>15 x 48</td>
</tr>
</tbody>
</table>

Custom sizes and opening available upon request.

Highline Products has a complete line of Fiberglass Box Pads and Equipment Pads. Please see our other catalog or visit us on the web for these products.
Fiberglass/Polymer Concrete Barrel for Fiber Cable Splicing and Storage - PHH Series

PRODUCT FEATURES
• Used for off-road applications requiring 45,000lb load rating.
• Certified per ASTM C857-87 for an A-16 loading.
• Approved by N.J. DOT Bureau of Electrical Engineering.
• Round design facilitates coiling and storage.
• Non-conductive.
• Constructed of fire-retardant materials.
• Stainless steel hardware.
• Quick release stainless coiling brackets standard.
• Skid resistant covers.
• Logo as required.
• Penta or hex head bolts.
• Exceptional resistance to weathering and chemicals.

NOMINAL COVER DIMENSIONS

<table>
<thead>
<tr>
<th>Model Number:</th>
<th>A Diameter</th>
<th>B Depth</th>
<th>C Cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHH 386000AA</td>
<td>44</td>
<td>60</td>
<td>38</td>
</tr>
</tbody>
</table>

To order please call (781) 736-0002 or visit our web site at www.highlineproducts.com
Fiberglass/Polymer Concrete Ordering Information

Denotes Material
C = Combination Fiberglass/Polymer Concrete
P = All Polymer Concrete

Denotes Style
H = Handhole
V = Vault

Denotes Type
A = Assembly
B = Box only
C = Cover only
D = Box only, with Base
E = Assembly, with Base

Denotes Dimensions
For Box = Cover Dimension + Depth
Each Field = 2 digits Ex. 4” = 04

Denotes Load Rating
S = 10,000 Lbs.
H = 20,000 Lbs.

Denotes Logos for cover
B = Blank
C = CATV
D = Double Logo
E = Electric
O = Other (please designate)

Denotes Hardware
1 = Pentabolts
2 = Hex Bolts
3 = Pentabolts, 2 part cover
4 = Hex Bolts, 2 part cover

Options
Mouseholes
Knockouts
Terminators
Pulling eyes
Electronic markers

Flat Pad Ordering Information

A = Length
B = Width
C = Depth

Opening
D = Width
E = Length

Tie Down Method
S = 3/8” Star Inserts
U = Unistrut

To order please call (781) 736-0002 or visit our web site at www.highlineproducts.com
HDPE Products
General Specification Information for HDPE Boxes

Specifications

• Enclosures shall be injected molded polyethene plastic with ultra-violet additives
  ASTM-D-V1248

• Box shall have adequate soil surface to prevent settling in firm soil

• Product shall comply to ASTM-D-635 or UL-94 (flammability of plastic articles)

• Cover to have anti-skid surface

Products Available in:

• Green
• Gray
• Lavender
• Black
• Tan

Ordering

• Specify: part number, color, quantity, lid type

• Cover marking and locking method, hex or penta bolt

• “Ship to” and “bill to” location

Cover Markings Include:

• Irrigation control valves
• Water
• Sewer
• RCV
• Electric
• CATV
• Telephone
• Reclaimed Water
• Street Lighting
• Blank

Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Description</th>
<th>ASTM</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyethene</td>
<td>D-1248</td>
<td>—</td>
</tr>
<tr>
<td>Impact Strength (12lb. wt, “C” tup)</td>
<td>D-1244</td>
<td>38ft/lbs</td>
</tr>
<tr>
<td>Effect of acids and alkalies</td>
<td>D-543</td>
<td>Very resistant</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>D-638</td>
<td>4415 PSI</td>
</tr>
<tr>
<td>Deflection Temp. @ 66 PSI</td>
<td>D-648</td>
<td>159°F</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>D-790</td>
<td>191,000 PSI</td>
</tr>
<tr>
<td>Flammability (horizontal cm/min)</td>
<td>D-635</td>
<td>1.59 cm/min</td>
</tr>
<tr>
<td>Resistance to ultra-violet light</td>
<td>G-26-92</td>
<td>7-9 yrs**</td>
</tr>
<tr>
<td>Xenon-arc &gt;35 w/m²/NM Band @ 340 NM</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Plastic boxes should not be installed in concrete or asphalt without adequate rubber or felt expansion barriers. Special product load data available on request.

**Surface discoloration varies with area condition AATCC test method 16E 1976.
**PRODUCT FEATURES**

- Box and cover shipped fully assembled.
- Twist lock cover.
- High top-load strength.
- Lightweight, simplified storage and handling.
- U.V. stable for longer field life.
- Primary usage drip irrigation.

Special color & cover markings available.

1.00” metal locator available in cover on special orders.

---

**2” x 2.5” Knockout Standard.**

---

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>575-1B2G</td>
<td>575 Black Body &amp; Green Cover</td>
<td>Black</td>
<td>1.00 Lbs.</td>
</tr>
<tr>
<td>575-1B</td>
<td>575 Black Cover</td>
<td>Black</td>
<td>.25 Lbs.</td>
</tr>
<tr>
<td>575-2B</td>
<td>575 Green Cover</td>
<td>Green</td>
<td>.25 Lbs.</td>
</tr>
</tbody>
</table>
PRODUCT FEATURES

- Twist lock cover.
- Greater working area.
- High top-load strength.
- Lightweight, simplified storage and handling.
- U.V. stable for longer field life.

Special color & cover markings available.

STOCK COVER IDENTIFICATIONS

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- CATV
- Telephone
- Street lighting

When ordering, please specify color and cover identification. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

### Series 608 - 6” STD.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>608-1B2G</td>
<td>Body &amp; Solid Cover</td>
<td>Black Body with Green Cover</td>
<td>1.25 Lbs.</td>
</tr>
<tr>
<td>608-1B</td>
<td>Body Only</td>
<td>Black</td>
<td>1.00 Lbs.</td>
</tr>
<tr>
<td>608-2G</td>
<td>Cover Only</td>
<td>Green</td>
<td>.25 Lbs.</td>
</tr>
</tbody>
</table>

### Series 610 - 6” STD.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>610-1G2G</td>
<td>Body &amp; Solid Cover</td>
<td>Black Body with Green Cover</td>
<td>1.55 Lbs.</td>
</tr>
<tr>
<td>610-1B</td>
<td>Body Only</td>
<td>Black</td>
<td>1.30 Lbs.</td>
</tr>
<tr>
<td>610-2G</td>
<td>Cover Only</td>
<td>Green</td>
<td>.25 Lbs.</td>
</tr>
</tbody>
</table>
PRODUCT FEATURES

- Lightweight.
- Security lock.
- Stronger load strength.
- U.V. stable for longer field life.
- Available in three standard colors: green, gray, black.
- Stainless steel hardware hex head or penta head bolt.
- Box and lid shipped fully assembled.

Special color & cover markings available.

STOCK COVER IDENTIFICATIONS

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- CATV
- Electric
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

2" x 2.5" Knockout Standard.

10" ROUND • 9 per sleeve • 90 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>910L-1G2G</td>
<td>Body &amp; Cover</td>
<td>Green Body with Green Cover</td>
<td>4.35 Lbs.</td>
</tr>
<tr>
<td>910L-1G</td>
<td>Body Only</td>
<td>Green</td>
<td>3.00 Lbs.</td>
</tr>
<tr>
<td>910L-2G</td>
<td>Cover Only</td>
<td>Green</td>
<td>1.35 Lbs.</td>
</tr>
</tbody>
</table>
**PRODUCT FEATURES**

- For use with shallow pipe installation.
- Lightweight.
- U.V. stable.
- Nestable for storage or shipping.
- High top-load strength.
- Stainless steel hardware hex head or penta head bolt.
- Available in four standard colors: green, gray, black, or lavender.

**STOCK COVER IDENTIFICATIONS**

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

---

### 6” RECTANGULAR • 60 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Color</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1015-6G2G</td>
<td>6&quot; Body &amp; Solid Cover</td>
<td>Green Body with Green Cover</td>
<td>6.0 Lbs.</td>
</tr>
<tr>
<td>1015-6G</td>
<td>6&quot; Body Only</td>
<td>Green</td>
<td>4.0 Lbs.</td>
</tr>
<tr>
<td>1015-2G</td>
<td>Solid Cover Only</td>
<td>Green</td>
<td>2.0 Lbs.</td>
</tr>
<tr>
<td>1015T-2G</td>
<td>Solid T Cover</td>
<td>Green</td>
<td>2.25 Lbs.</td>
</tr>
</tbody>
</table>
**PRODUCT FEATURES**

- Stainless steel hardware hex head or penta head bolt.
- High top-load strength; lightweight.
- Reduced side angle for easier readjust to grade.
- Single or double pipe ports available.
- U.V. stable for longer field life.
- Nestable for storage or shipping.
- Available in four standard colors: green, gray, black, or lavender.
- Box and lid ship fully assembled.

**STOCK COVER IDENTIFICATIONS**

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

---

**12’’ RECTANGULAR • 72 per pallet**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1015-1G2G</td>
<td>12’’ Body &amp; Solid Cover</td>
<td>9.5 Lbs.</td>
</tr>
<tr>
<td>1015T-1G2G</td>
<td>12’’ Body 2 “T” Cover</td>
<td>9.6 Lbs.</td>
</tr>
<tr>
<td>1015-1G3G</td>
<td>12’’ Body &amp; Meter Reading Cover</td>
<td>9.5 Lbs.</td>
</tr>
<tr>
<td>1015-1G</td>
<td>12’’ Body Only</td>
<td>7.3 Lbs.</td>
</tr>
<tr>
<td>1015-2G</td>
<td>Cover Solid</td>
<td>2.0 Lbs.</td>
</tr>
<tr>
<td>1015T-2G</td>
<td>Cover “T” Cover</td>
<td>2.5 Lbs.</td>
</tr>
<tr>
<td>1015-3G</td>
<td>Cover Meter Reading</td>
<td>2.25 Lbs.</td>
</tr>
<tr>
<td>1015-4G</td>
<td>Captive Hinged Cover</td>
<td>3.0 Lbs.</td>
</tr>
</tbody>
</table>

---

To order please call (781) 736-0002 or visit our web site at www.highlineproducts.com
# Series 1015 - 6” Extension Body

## PRODUCT FEATURES
- For 6” extension of standard 12” rectangular box.
- High top-load strength.
- U.V. stable for longer field life.
- Available in four standard colors: green, gray, black, or lavender.
- Stainless steel hardware hex head or penta head bolt.

## STOCK COVER IDENTIFICATIONS
- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

### 12" RECTANGULAR • 72 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1015-XG2G</td>
<td>6” Body &amp; Solid Cover</td>
<td>6.0 Lbs.</td>
</tr>
<tr>
<td>1015-XG</td>
<td>6” Body Only</td>
<td>4.0 Lbs.</td>
</tr>
<tr>
<td>1015-2G</td>
<td>Cover Solid</td>
<td>2.0 Lbs.</td>
</tr>
<tr>
<td>1015-2G</td>
<td>Cover T Cover</td>
<td>2.25 Lbs.</td>
</tr>
</tbody>
</table>
## PRODUCT FEATURES

- High top-load strength.
- U.V. stable for longer life.
- Fits most competitive products.
- Stainless steel hardware hex head or penta head bolt.

## STOCK COVER IDENTIFICATIONS

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

### Catalog Number Description Weight

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1320-6G2G</td>
<td>6” Body &amp; Solid Cover</td>
<td>9.0 Lbs.</td>
</tr>
<tr>
<td>1320-6G</td>
<td>6” Body Only</td>
<td>5.0 Lbs.</td>
</tr>
<tr>
<td>1320-2G</td>
<td>Cover Solid</td>
<td>3.75 Lbs.</td>
</tr>
<tr>
<td>1320-3G</td>
<td>Meter Reading Cover (optional pre-drilled AMR probe hole available)</td>
<td>3.75 Lbs.</td>
</tr>
</tbody>
</table>
Series 1320 - 12” High Jumbo Box

PRODUCT FEATURES

• Lightweight.
• High top-load strength.
• Reduced side draft easier to adjust to grade.
• Nestable for storage or shipping.
• Single or double pipe ports.
• U.V. stable for longer life.
• Stainless steel hardware hex head or penta head bolt.

STOCK COVER IDENTIFICATIONS

• Irrigation control valve (ICV)
• Water (solid or meter door)
• Electric (green or gray)
• Reclaimed water (green or lavender)
• Blank (no cover marking)
• Sewer
• RCV
• CATV
• Telephone
• Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

12” RECTANGULAR • 40 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1320-1G2G</td>
<td>12” Body &amp; Solid Cover</td>
<td>11.25 Lbs.</td>
</tr>
<tr>
<td>1320-1G3G</td>
<td>12” Body &amp; Meter Reading Cover</td>
<td>11.25 Lbs.</td>
</tr>
<tr>
<td>1320-1G</td>
<td>12” Body Only</td>
<td>7.50 Lbs.</td>
</tr>
<tr>
<td>1320-2G</td>
<td>Cover Solid</td>
<td>3.75 Lbs.</td>
</tr>
<tr>
<td>1320-3G</td>
<td>Meter Reading Cover (optional pre-drilled AMR probe hole available)</td>
<td>3.75 Lbs.</td>
</tr>
</tbody>
</table>
**PRODUCT FEATURES**

- Lightweight.
- High top-load strength.
- Reduced side draft easier to adjust to grade.
- Nestable for storage or shipping.
- Single or double pipe ports.
- U.V. stable for longer life.
- Stainless steel hardware hex head or penta head bolt.

**STOCK COVER IDENTIFICATIONS**

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

### 6" EXTENSION • 32 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1320-XG2G</td>
<td>6&quot; Body &amp; Solid Cover</td>
<td>9.0 Lbs.</td>
</tr>
<tr>
<td>1320-XG</td>
<td>6&quot; Body Only</td>
<td>5.0 Lbs.</td>
</tr>
<tr>
<td>1320-2G</td>
<td>Cover Solid</td>
<td>3.75 Lbs.</td>
</tr>
<tr>
<td>1320-3G</td>
<td>Meter Reading Cover</td>
<td>3.75 Lbs.</td>
</tr>
</tbody>
</table>

To order please call (781) 736-0002 or visit our web site at www.highlineproducts.com
**PRODUCT FEATURES**
- Available with centerline or diagonal bolt pattern.
- Lightweight.
- High top-load strength.
- Reduced side draft easier to adjust to grade.
- Nestable for storage or shipping.
- U.V. stable for longer life.
- Stainless steel hardware hex head or penta head bolt.

**STOCK COVER IDENTIFICATIONS**
- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type.
For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

---

**12” UTILITY BOX • 16 per pallet**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1324-12P2P</td>
<td>12” Body, with Poly Cover</td>
<td>22.8 Lbs.</td>
</tr>
<tr>
<td>1324-12P2A</td>
<td>12” Body, with ABS Cover</td>
<td>24.7 Lbs.</td>
</tr>
<tr>
<td>1324-12P3P</td>
<td>12” Body, with Poly Meter Reader Cover</td>
<td>22.8 Lbs.</td>
</tr>
<tr>
<td>1324-12P</td>
<td>12” Body</td>
<td>16.7 Lbs.</td>
</tr>
<tr>
<td>1324-2P</td>
<td>Poly Cover</td>
<td>6.1 Lbs.</td>
</tr>
<tr>
<td>1324-2A</td>
<td>ABS Cover</td>
<td>6.4 Lbs.</td>
</tr>
<tr>
<td>1324-3P</td>
<td>Meter Reading Cover</td>
<td>6.1 Lbs.</td>
</tr>
</tbody>
</table>
Series 1324 - 15” High Utility Box

PRODUCT FEATURES
• Available with centerline or diagonal bolt pattern.
• Lightweight.
• High top-load strength.
• Reduced side draft easier to adjust to grade.
• Nestable for storage or shipping.
• U.V. stable for longer life.
• Stainless steel hardware hex head or penta head bolt.

STOCK COVER IDENTIFICATIONS
• Irrigation control valve (ICV)
• Water (solid or meter door)
• Electric (green or gray)
• Reclaimed water (green or lavender)
• Blank (no cover marking)
• Sewer
• RCV
• CATV
• Telephone
• Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

15” UTILITY BOX • 16 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
</table>
| 1324-15P2P     | 15” Body, with Poly Cover                        | 25.4 lbs.
| 1324-15P2A     | 15” Body, with ABS Cover                         | 23.7 lbs.
| 1324-15P3P     | 15” Body, with Poly Meter Reader Cover           | 25.4 lbs.
| 1324-15P       | 15” Body                                         | 19.3 lbs.
| 1324-2P        | Poly Cover                                       | 6.1 lbs.
| 1324-2A        | ABS Cover                                        | 6.4 lbs.
| 1324-3P        | Meter Reading Cover                              | 6.1 lbs.

To order please call (781) 736-0002 or visit our web site at www.highlineproducts.com
PRODUCT FEATURES

- Available with centerline or diagonal bolt pattern.
- Lightweight.
- High top-load strength.
- Reduced side draft easier to adjust to grade.
- Nestable for storage or shipping.
- U.V. stable for longer life.
- Stainless steel hardware hex head or penta head bolt.

STOCK COVER IDENTIFICATIONS

- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

15” UTILITY BOX • 16 per pallet

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1730-15P2P</td>
<td>15” Body, with Poly Cover</td>
<td>32.8 Lbs.</td>
</tr>
<tr>
<td>1730-15P2A</td>
<td>15” Body, with ABS Cover</td>
<td>33.5 Lbs.</td>
</tr>
<tr>
<td>1730-15P3P</td>
<td>15” Body, with Poly Meter Reader Cover</td>
<td>32.2 Lbs.</td>
</tr>
<tr>
<td>1730-15P</td>
<td>15” Body</td>
<td>21.2 Lbs.</td>
</tr>
<tr>
<td>1730-2P</td>
<td>Poly Cover</td>
<td>11.0 Lbs.</td>
</tr>
<tr>
<td>1730-2A</td>
<td>ABS Cover</td>
<td>12.3 Lbs.</td>
</tr>
<tr>
<td>1730-3P</td>
<td>Meter Reading Cover</td>
<td>11.0 Lbs.</td>
</tr>
</tbody>
</table>
**PRODUCT FEATURES**
- Available with centerline or diagonal bolt pattern.
- Lightweight.
- High top-load strength.
- Reduced side draft easier to adjust to grade.
- Nestable for storage or shipping.
- Single or double pipe ports.
- U.V. stable for longer life.
- Stainless steel hardware hex head or penta head bolt.

**STOCK COVER IDENTIFICATIONS**
- Irrigation control valve (ICV)
- Water (solid or meter door)
- Electric (green or gray)
- Reclaimed water (green or lavender)
- Blank (no cover marking)
- Sewer
- RCV
- CATV
- Telephone
- Street lighting

When ordering, please specify color, cover identification, and bolt down type. For use in non-vehicle traffic areas. Not recommended for installation in concrete or asphalt without felt expansion joint.

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**18” UTILITY BOX • 16 per pallet**

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1730-18P2P</td>
<td>18&quot; Body, with Poly Cover</td>
<td>35.0 Lbs.</td>
</tr>
<tr>
<td>1730-18P2A</td>
<td>18&quot; Body, with ABS Cover</td>
<td>36.3 Lbs.</td>
</tr>
<tr>
<td>1730-18P3P</td>
<td>18&quot; Body, with Poly Meter Reader Cover</td>
<td>35.0 Lbs.</td>
</tr>
<tr>
<td>1730-18P</td>
<td>18&quot; Body</td>
<td>24.0 Lbs.</td>
</tr>
<tr>
<td>1730-2P</td>
<td>17&quot; x 30&quot; Poly Cover</td>
<td>11.0 Lbs.</td>
</tr>
<tr>
<td>1730-2A</td>
<td>ABS Cover</td>
<td>13.3 Lbs.</td>
</tr>
<tr>
<td>1730-3P</td>
<td>17&quot; x 30&quot; Meter Reading Cover</td>
<td>11.0 Lbs.</td>
</tr>
</tbody>
</table>
PRODUCT FEATURES

• For use as a bottom extension for 1730-18” body.
• 6 locating holes for easy assembly.
• Parts will interlock top to top, or bottom to bottom to increase box depth in multiples of 8”.

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1730-X</td>
<td>8” High Bottom Extension</td>
<td>12.50 Lbs.</td>
</tr>
</tbody>
</table>
For sales and service

Email: info@highlineproducts.com
Fax: 781 647-3607
Tel: 781 736-0002

For updates to the catalog or to find a local sales representative, visit us at:

www.highlineproducts.com
or our storefront at
www.electricnet.com/storefronts/highline.html

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