**Cover**

Material: Polymer Concrete  
Weight: 22.0 lbs. (10.0 kgs)  
Model: 1118-P1  
Skid Resistant Surface

(Material and cover dimensions compliant with WUC, Guide 3.63)

**Body**

Material: Polymer Concrete  
Weight: 38.0 lbs. (17.2 kgs)  
Model: 1118-12

Fasteners: 2 each (optional 4 ea) 3/8-16 UNC, Stainless Steel, Hex Head with Washer; Options: size, quantity, type head

Cover Identification is blank unless specified

Pull Slot 1/2” x 4” (13 mm x 102 mm)

Steel Covers Optional

Boxes are stackable. Vertical load ratings are stated for single boxes. For units with MOLDED OPENINGS, subtract 2 lbs from Unit Weight. Weights may vary slightly. Dimensions in inches with metric equivalents.
### Vertical and Lateral Load Rating

#### Heavy Duty Covers
- Compliant with AASHTO, Design Load of H-10; ASTM C 857-95, Design Load of A-8, 8,000 lbs. Capable of withstanding a Static Load of >22,880 lbf transferred through a 10” x 10” steel plate centered on the cover and body.
- Compliant with AASHTO, Design Load of H-20; ASTM C 857-95, Design Load of A-16, 16,000 lbs. Capable of withstanding a Static Load of >45,760 lbf transferred through a 10” x 20” steel plate centered on the cover and body.
- This product is designed to withstand H-10 and H-20 loading in incidental or non-deliberate traffic areas. Not intended to be installed in roadways.

#### Shipping Information
- Single Bodies – 11.75”:
  - Unit: 40 assemblies, = 54.25 cu. ft.; 1,440.0 lbs.

<table>
<thead>
<tr>
<th>Standard Test Method</th>
<th>Properties of Raw Material</th>
<th>ASTM Designation</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compressive Strength of Polymer Concretes</td>
<td>Compressive Strength</td>
<td>C 579-96</td>
<td>11,000 psi</td>
</tr>
<tr>
<td>Flexural Strength and Modulus of Elasticity of Polymer Concretes</td>
<td>Flexural Strength and Modulus of Elasticity</td>
<td>C 580-93</td>
<td>1,800 psi; 2,900,000 psi</td>
</tr>
<tr>
<td>Chemical Resistance of Polymer Concretes</td>
<td>Chemical Resistance</td>
<td>C 267-97</td>
<td>Pass^4</td>
</tr>
<tr>
<td>Determination of Impact Resistance by means of a Tup (falling weight)</td>
<td>Impact Resistance</td>
<td>D 2444-93</td>
<td>Pass^5</td>
</tr>
</tbody>
</table>

1 AASHTO H-10, ASTM C 857, A-8, 8,000 lbs Design Load. Static Vertical Load Rating >22,880 lbf.
2 AASHTO H-20, ASTM C 857 A-16, 16,000 lbs Design Load. Static Vertical Load Rating >45,760 lbf
3 Coefficient of Friction (ASTM C1028) >0.5.
4 Western Underground Committee, Guide 3.6
5 Specimens exposed to ten reagents (alkalis, acids and petroleum distillates) experience <2% weight and dimensional change and retain >75% of average Compressive Strength. Listing of reagents and test reports available upon request.

4 Capable of withstanding 70 ft lbs impact with a type “C” Tup.

### Shipping Information

#### Cover
- Dim. A: Height 23”
- Dim. B: Length 42”
- Dim. C: Width 48”
- Units: 80 per pallet
- Weight: 1,805 lbs. per pallet

#### Body
- Dim. A: Height 58”
- Dim. B: Length 42”
- Dim. C: Width 48”
- Units: 30 per pallet
- Weight: 1,185 lbs. per pallet

#### Units
- Dim. A: Height 66”
- Dim. B: Length 42”
- Dim. C: Width 48”
- Units: 40 per pallet
- Weight: 1,845 lbs. per pallet

---

©2008 Oldcastle Precast, Inc.