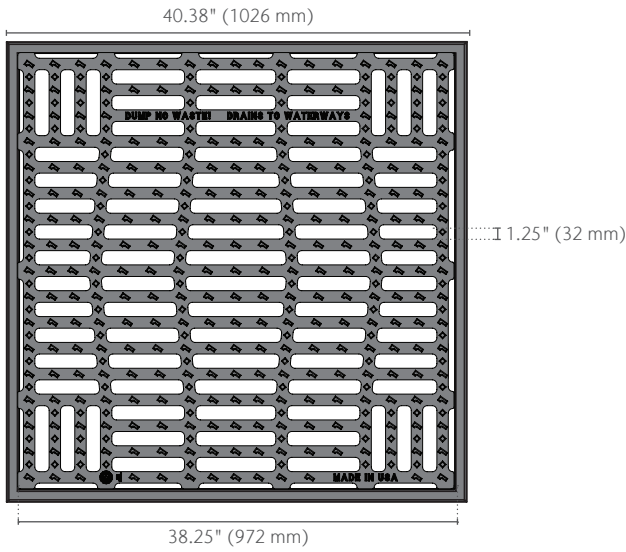


# ACO Drain® | Sumps

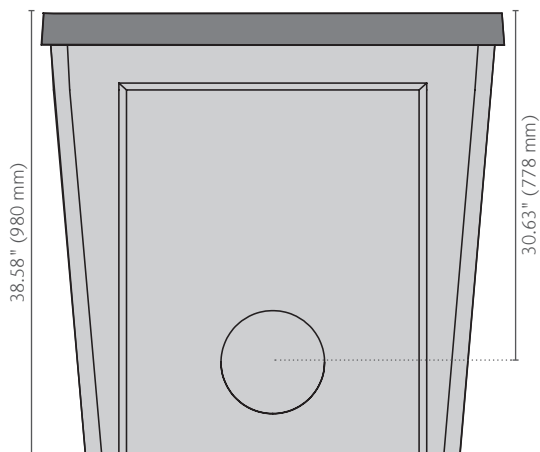
## 3'x3'x3' w/ Gray Iron Frame & Slotted Grate Spec Sheets



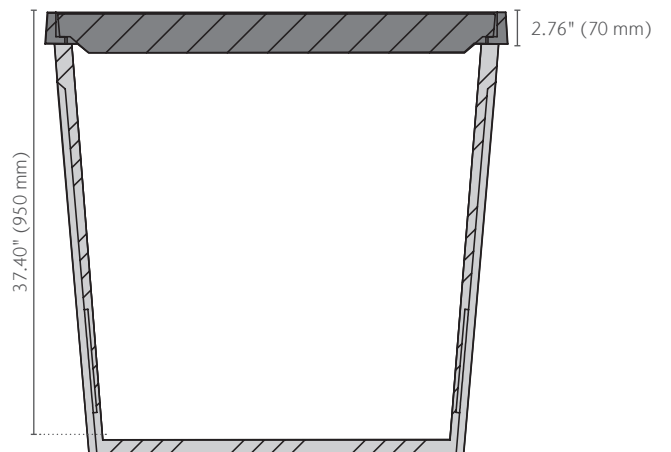
Top



Front



Side Cross Section

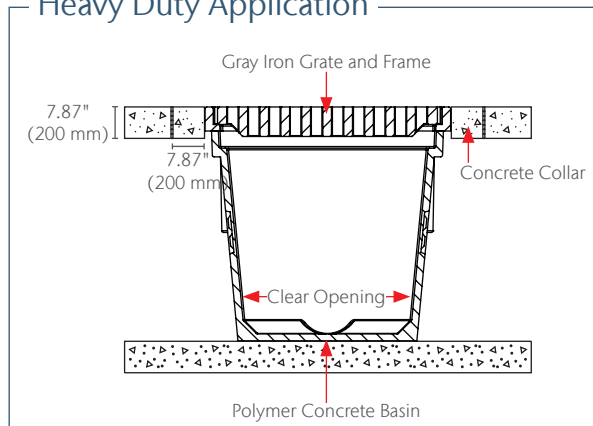


# ACO Drain® | Sumps

## 3'x3'x3' w/ Gray Iron Frame & Slotted Grate Spec Sheets



### Heavy Duty Application



Product Name	Part No.	Invert Depth in (mm)	Volume gal	Weight lbs
3'x3'x3' Polyester Polymer Concrete Catch Basin	<b>05710</b>	37.40 (950)	?	467.0
Gray Iron Frame & Slotted Grate	<b>05720</b>	-	-	344.0

### Specification Summary

#### General

The catch basin shall be ACO Drain as manufactured by ACO, Inc. or similar approved.

#### Grates

Frame and grate material is slotted gray iron. Grate provides 46% open area (673 in<sup>2</sup>). After grate removal there shall be uninterrupted access to the sump box to aid maintenance.

#### Installation

The sump box and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

AASHTO M306 requires that castings bear a minimum of 40,000 lbs on a 9" x 9" area. This represents a 2.5 safety factor over the 16,000 lb requirement of H20 and HS20. This load designation is appropriate for general traffic applications. Loading criteria is 40,000–100,000 lbs.

#### Materials

Products shall be manufactured from polyester polymer concrete and have minimum properties as follows:

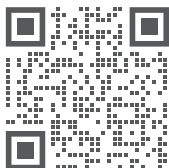
- Compressive strength: 14,000 psi
- Flexural strength: 4,000 psi
- Water absorption <0.1% by weight
- Overall width: 40.47" (1,028 mm)
- Overall length: 40.47" (1,028 mm)
- Overall depth: 38.58" (980 mm)
- Invert depth: 37.40" (950 mm)

Pre-cast units shall be manufactured with drill-outs for channel and pipe connections and have a wall thickness of at least 0.75" (19 mm).

### ACO, Inc.

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All reasonable care has been taken in compiling the information in this document. All recommendations and suggestions on the use of ACO products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to ensure that each product is fit for its intended purpose and that the actual conditions of use are suitable. ACO, Inc. reserves the right to change products and specifications without notice.



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