

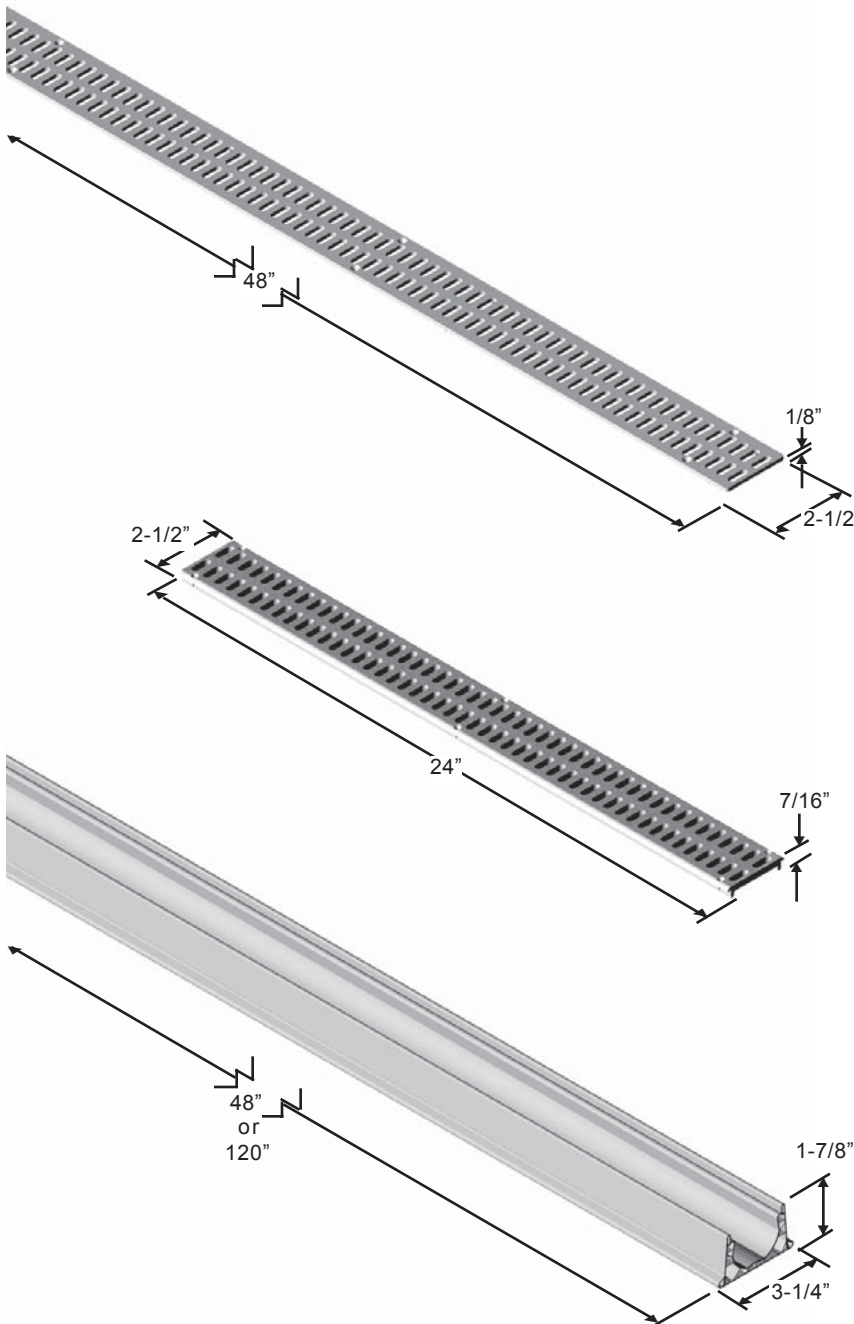


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 www.carsonind.com

## Drainage

# Channel Drain

## 2" Channel Drains



### 2" X 4 FT. GALVANIZED STEEL GRATE

#### Models:

- TT-602 Galvanized
- TT-603 Black Powder Coated
- TT-604 Gray Powder Coated
- TT-606 Tan Powder Coated

**Grate Opening:** 1/4"

**Open Surface Area:** 17.28 Sq. In.

*Recommended for light vehicular traffic such as cars and small trucks with speeds not exceeding 20 mph.*

### 2" X 2 FT. HDPE CHANNEL GRATE

#### Models:

- TT-611 Green
- TT-612 Black
- TT-613 Gray
- TT-614 Tan

**Grate Opening:** 1/4"

**Open Surface Area:** 17.28 Sq. In.

*Recommended for light vehicular traffic such as cars and small trucks with speeds not exceeding 20 mph.*

### 2" PVC CHANNEL DRAINS

**Material:** PVC (Extrusion Grade)

#### Models:

- TT-600 2" x 4 ft.
- TT-601 2" x 10 ft.

**Color:** Gray

*(2"X4 ft. part kits available)*

Call **Customer Service** with questions on part kit options

All information contained in this brochure was current at the time of printing. Because of Carson Industries' policy of ongoing research and development, the Company reserves the right to discontinue or update product information without notice.

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### RAW MATERIAL SPECIFICATIONS

#### Installation Reference

When installing in concrete, grate must be fastened to channel prior to installation. After support braces (#TT-637-2") have been anchored to rebar, channel will remain securely in position when concrete is poured. For best results, a gentle slope of 1/8" per foot of concrete will provide good drainage into channel system.

For applications where concrete is not required, such as green areas, the channel system can be laid directly on a bed of crushed stone and backfilled with compacted soil.

### SHIPPING INFORMATION

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### HDPE STRUCTURAL FOAM

| Material Property                       | ASTM Test Method | Typical Value <sup>1</sup>          |
|---|------------------|-------------------------------------|
| Type, Class, Category                   | D 1248           | III, A, 3                           |
| Density, g/ cm <sup>3</sup>             | D 1505           | 0.950 min., not to exceed 0.965     |
| Tensile Strength, at break, psi         | D 638            | 3,000 to 4,400                      |
| Elongation, at break, %                 | D 638            | 400                                 |
| Tensile Impact, ft-lb/in <sup>2</sup>   | D 1822           | 27                                  |
| Flexural Modulus, psi                   | D 790            | 120,000 min., not to exceed 240,000 |
| Low Temperature Brittleness, F50, at °C | D 746            | <-76                                |
| Hardness, Shore D                       | D 2240           | 66                                  |
| Deflection Temperature, at 66 psi       | D 648            | 150° min., not to exceed 200°       |
| Electrical Dielectric Strength, V/mil   | D 149            | 400 min., not to exceed 600         |

#### Molded Product<sup>2</sup>

|                     |       |                            |
|---------------------|-------|----------------------------|
| Chemical Resistance | D 543 | Very Resistant             |
| Water Absorption    | D 570 | Less than 1% weight change |

### POLYVINYL CHLORIDE, EXTRUSION GRADE

| Material Property  | ASTM Test Method | Typical Value <sup>1</sup> |
|--|------------------|----------------------------|
| Cell Classification  | D 1784           | 16,354                     |
| Specific Gravity, g/cm <sup>3</sup>                            | D 792            | 1.46                       |
| Tensile Strength, at yield, psi                                | D 638            | ≥6,000                     |
| Tensile Modulus, psi   | D 638            | ≥430,000                   |
| Flexural Modulus, psi  | D 790            | ≥420,000                   |
| Dart Impact Resistance, @73° F, in-lb/mil, 0.125" conical dart | D 4226           | 1.1                        |
| Deflection Temperature, at 264 psi, °F                         | D648             | 163                        |
| Hardness, Shore D  | D 2440           | 79                         |

<sup>1</sup>The values listed for physical property measurements are nominal values only. Certain physical property measurements are subject to variations consistent with the test methods and are within a generally accepted range for such values.

<sup>2</sup>Test reports available on request.

12/18/02

|                                       | Carton Quantity | Weight  |
|---------------------------------------|-----------------|---------|
| 2"x4 ft. Galvanized Steel Drain Grate | 1               | 3 lbs.  |
| 2"x2 ft. HDPE Channel Drain Grate     | 20              | 9 lbs.  |
| 2"x4 ft. Channel Drain                | 10              | 21 lbs. |
| 2"x10 ft. Channel Drain               | 4               | 40 lbs. |

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