

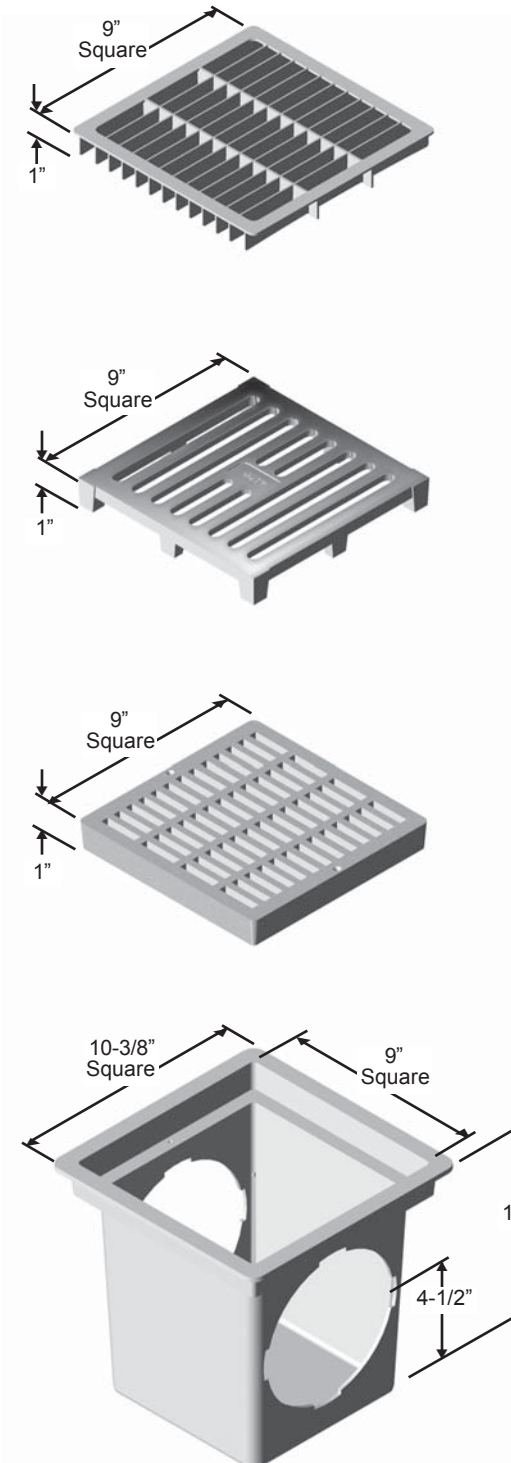


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Drainage

9" Catch Basin

Grates & Basin



9" GALVANIZED SQUARE GRATE

Models:

- TT-913 Galvanized
- TT-916 Black Powder Coated
- TT-917 Gray Powder Coated

Grate Opening: 3/4"

Open Surface Area: 65.0 Sq. In.

Fits: 9x9 Catch Basin (#TT-920/921), and 9x9 Low Profile (#TT-924).

9" CAST IRON GRATE

Model:

- TT-919 Black

Grate Opening: 3/8"

Open Surface Area: 22.26 Sq. In.

Fits: 9x9 Catch Basin (#TT-920/921), and 9x9 Low Profile (#TT-924).

9" HDPE SQUARE GRATE

Models:

- TT-910 Green
- TT-911 Black
- TT-912 Gray
- TT-912-T Tan

Grate Opening: 5/16"

Open Surface Area: 27.29 Sq. In.

Fits: 9x9 Catch Basin (#TT-920/921), and 9x9 Low Profile (#TT-924).

9" CATCH BASIN

Models:

- TT-920 2-Way Opening
- TT-921 4-Way Opening

Color: Black

Material: High-impact Polystyrene

Requires: Either TT244, TT-247 (Adapters) or TT-250 Plug.

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RAW MATERIAL SPECIFICATIONS

Loadweight Recommendations

9" Galvanized Grate – Recommended for medium duty commercial traffic such as pneumatic tire tractor trailers and forklifts with speeds not exceeding 20 mph.

9" Cast Iron Grate – Recommended for medium duty commercial traffic such as pneumatic tire tractor trailers and forklifts with speeds not exceeding 20 mph.

9" HDPE Grate – Recommended for light vehicular traffic such as cars and small trucks with speeds not exceeding 20 mph.

HDPE STRUCTURAL FOAM

Material Property	ASTM Test Method	Typical Value ¹
Type, Class, Category	D 1248	III, A, 3
Density, g/ cm ³	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 ²	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 Product²		
Chemical Resistance	D 543	Very Resistant
Water Absorption	D 570	Less than 1% weight change

POLYSTYRENE (HIPS)

Material Property	ASTM Test Method	Typical Value ¹
Specific Gravity, g/cm ³	D 792	1.04
Tensile Strength, at yield, psi	D 638	>4,000
Elongation, at break, %	D 638	>35
Notched Izod, ft-lb/in @0.125"	D 256	2-4
Flexural Modulus, psi	D 790	285,000
Deflection Temperature, at 264 psi, °F	D 648	>189

¹The 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.

²Test reports available on request.

12/18/02

SHIPPING INFORMATION

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.

	Carton Quantity	Weight
9" Galvanized Square Grate	1	4 lbs.
9" Cast Iron Grate	1	9 lbs.
9" HDPE Square Grate	8	15 lbs.
9" Catch Basin	4	12 lbs.