

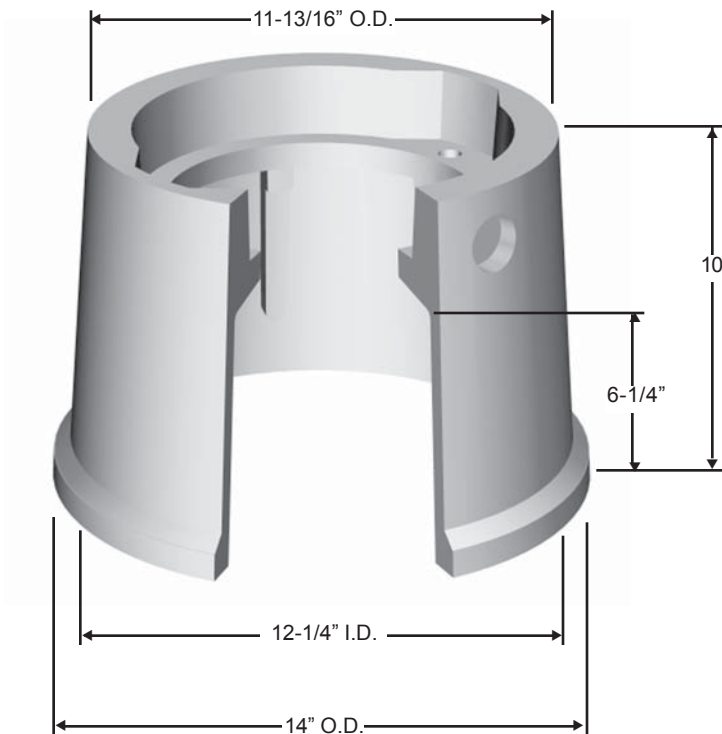
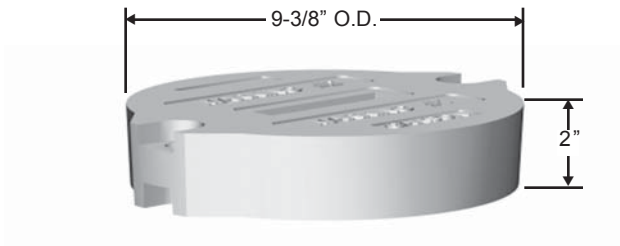


1160 Nicole Court
Glendora, CA 91740
800-735-5566 • 909-592-6272
Fax: 909-592-7971
www.carsonind.com

Heavy Duty

H910

Polymer Concrete 10" Round H-20



COVER¹

Model:

H910-P1

Skid Resistant Surface²

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

BODY

Model:

H910-10

Tolerances

Cover +1/8"

Body +1/8"

Foot +1/16"

Height +1/4"

Fasteners: 2 each 3/8-16 UNC, Stainless Steel, Captive Bolt – Hex Head with Washers and E-Clip, or Penta Head with Washers and Pushnut Retainer

Cover Identification is blank unless specified

Steel Covers Optional

Boxes are stackable. Vertical load ratings are stated for single boxes. Weights may vary slightly.

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.

Heavy Duty

H910

Polymer Concrete 10" Round H-20

Carson Industries, LLC

1160 Nicole Court
Glendora, CA 91740

800-735-5566 • 909-592-6272

Fax: 909-592-7971

www.carsonind.com

Polymer Concrete, H-20

RAW MATERIAL SPECIFICATIONS

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

¹AASHTO H-10, ASTM C 857, A-8, 8,000 lbs Design Load. Static Vertical Load Rating >22,880 lbf. SCTE Tier 10, 10,400 lb design load; 22,568 lbf minimum test load.

²Coefficient of Friction (ASTM C1028) >0.5

³Western Underground Committee, Guide 3.6

⁴Specimens 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.

⁵Capable of withstanding 70 ft-lbs impact with a type "C" Tup.

VERTICAL AND LATERAL LOAD RATING (*Design Load; Test Load*)

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 10" 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

	<u>Weight</u>
910 Cover	9 lbs.
910-10 Body	20 lbs.

Shipping Configuration

Unit, 36 assemblies = 46.6 cu. ft.; 1,192.0 lbs.

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.