



Glendora, California

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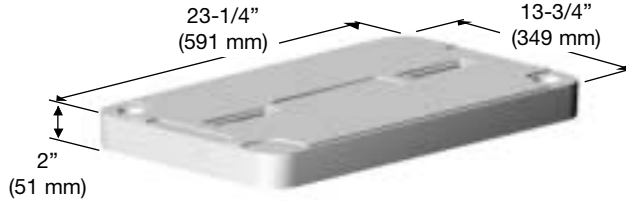
Roscommon, Ireland

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H Series H1324

Heavy Duty



Cover¹

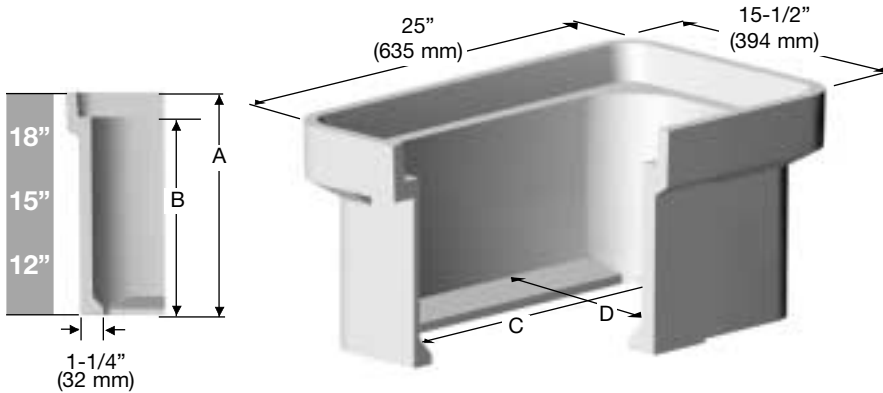
Material: Polymer Concrete

Weight: 47.0 lbs. (21.3 kgs)

Model: H1324-P1

Skid Resistant Surface²

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



Bodies (12", 15", 18")

Material: Polymer Concrete

Model: H1324-12 (52.0 lbs./23.5 kgs)

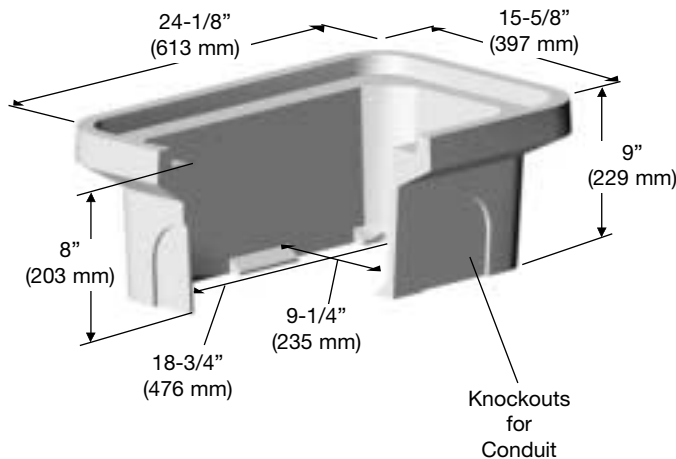
- A. 12" (305 mm) B. 10" (254 mm)
- C. 21-1/16" (536 mm) D. 11 9/16" (295 mm)

Model: H1324-15 (60.0 lbs./27.2 kgs)

- A. 15" (381 mm) B. 13" (330 mm)
- C. 21" (534 mm) D. 11 1/2" (293 mm)

Model: H1324-18 (69.0 lbs./31.0 kgs)

- A. 18" (457 mm) B. 16" (406 mm)
- C. 20-15/16" (533 mm) D. 11 7/16" (291 mm)



Bottom Extension

Material: Polymer Concrete

Model: H1324-9X (33.0 lbs./15 kgs)

Tolerances

Cover $\pm 1/8"$ (3 mm); Body $\pm 1/8"$ (3 mm)

Foot $\pm 1/16"$ (2 mm); Height $\pm 1/4"$ (6 mm)

Fasteners: 2 each (optional 4 ea) 3/8-16 UNC, Stainless Steel, Hex Head with Washer; Options: Captive bolt and floating nut, size, quantity, type head are available.

Cover Identification is blank unless specified
Pull Slot 1/2" x 4" (13 mm x 102 mm)

Steel Covers Optional

Boxes are stackable. 18" deep shall be used as the lower box only. Vertical load ratings are stated for single boxes. For units with MOUSEHOLES, subtract 2 lbs from Unit Weight. Weights may vary slightly. Dimensions in inches with metric equivalents.

H Series H1324

Heavy Duty

Carson Industries, LLC

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Vertical and Lateral Load Rating

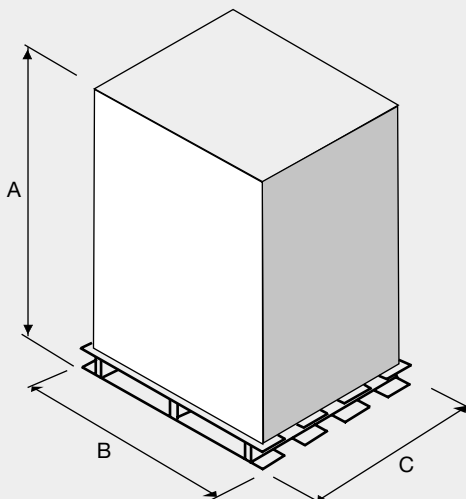
Heavy Duty Covers

- 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 Configuration

- Single Bodies – 12":**
Unit, 20 assemblies, = 61.83 cu. ft.;
1,980.0 lbs.
- Single Bodies – 15":**
Unit, 20 assemblies, = 75.83 cu. ft.;
2,140.0 lbs.
- Single Bodies – 18":**
Unit, 15 assemblies, = 68.83 cu. ft.;
1,800.0 lbs.

Shipping Information



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. AASHTO H-20, ASTM C 857 A-16, 16,000 lbs Design Load. Static Vertical Load Rating > 45,760 lbf

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.

UNIT 1324-12			UNIT 1324-15			UNIT 1324-18		
Dim.	Description	Value	Dim.	Description	Value	Dim.	Description	Value
A	Height	66"	A	Height	81"	A	Height	96"
B	Length	42"	B	Length	42"	B	Length	42"
C	Width	48"	C	Width	48"	C	Width	48"
Units: 20 per pallet			Units: 20 per pallet			Units: 15 per pallet		
Weight: 2,025 lbs. per pallet			Weight: 2,185 lbs. per pallet			Weight: 1,785 lbs. per pallet		
BODY 1324-12			BODY 1324-15			BODY 1324-18		
Dim.	Description	Value	Dim.	Description	Value	Dim.	Description	Value
A	Height	58"	A	Height	73"	A	Height	88"
B	Length	42"	B	Length	42"	B	Length	42"
C	Width	48"	C	Width	48"	C	Width	48"
Units: 20 per pallet			Units: 20 per pallet			Units: 15 per pallet		
Weight: 1,085 lbs. per pallet			Weight: 1,245 lbs. per pallet			Weight: 1,080 lbs. per pallet		
COVER			BOTTOM EXTENSION			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.		
Dim.	Description	Value	Dim.	Description	Value			
A	Height	46"	A	Height	47"			
B	Length	42"	B	Length	42"			
C	Width	48"	C	Width	48"			
Units: 100 per pallet			Units: 25 per pallet					
Weight: 4,745 lbs. per pallet			Weight: 870 lbs. per pallet					