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Pre-Installation Guide

A-dec 342/542 Side Delivery System

Contents

Pre-Installation Notes and Cautions 1
Wall Construction Requirements 1
Standard Wood Wall Construction 1
Non-Standard Wall Construction 1
Clearance Requirements for Non-A-dec Cabinets 2
A-dec 342 2
A-dec 542 2
Utility Specifications 3
Electrical Ratings 3
Shipping Weights 4
Documentation References 4
Plan Views and Dimensions 5
Utility Placement 5
Utility Elevations 5
Remote Floor Box Utility Connections 6
A-dec 342, Cabinet Mount, Plan View with Elevation 7
A-dec 342, Cabinet Mount, Range of Motion 8
A-dec 342, Wall Mount, Plan View with Elevation 9
A-dec 342, Wall Mount, Range of Motion 10
A-dec 542, Cabinet Mount, Plan View with Elevation 11
A-dec 542, Cabinet Mount, Range of Motion 12
A-dec 542, Wall Mount, Plan View with Elevation 13
A-dec 542, Wall Mount, Range of Motion 14
Cabinet-Mount Bracket Template 15
Wall-Mount Backboard Requirements 18
Wall-Mount Backboard Mini-Template 19



A-dec 342
Side Delivery System



A-dec 542
Side Delivery System

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For required regulatory information and the A-dec warranty, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00) available in the Resource Center at www.a-dec.com.

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Product service is available through your local authorized A-dec dealer. For service information, or to locate an authorized dealer, contact A-dec at 1.800.547.1883 in the USA and Canada or 1.503.538.7478 worldwide, or visit www.a-dec.com.

Product Models and Versions Covered in This Document

Models	Versions	Description
342	A	Delivery System
542	A	Delivery System

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Pre-Installation Notes and Cautions

NOTE Job site construction should be completed before the dental equipment installation (including finished floors, ceiling, plumbing, lighting, paint, etc.).

CAUTION Local regulation may require licensed plumbers and electricians to install the utilities. All plumbing and utilities must conform to prevailing local codes.

CAUTION The manner and method for accessing the utilities within the wall is the responsibility of the design team working on the project (dental dealer, architectural services, and contractors). Utilities must be accessible without the use of tools.

CAUTION Consult a licensed professional, e.g., a structural or architectural engineer, for mounting to metal studs or masonry walls.

Wall Construction Requirements

Standard Wood Wall Construction

(With or without utilities) 2" x 6" (38 mm x 140 mm) minimum.

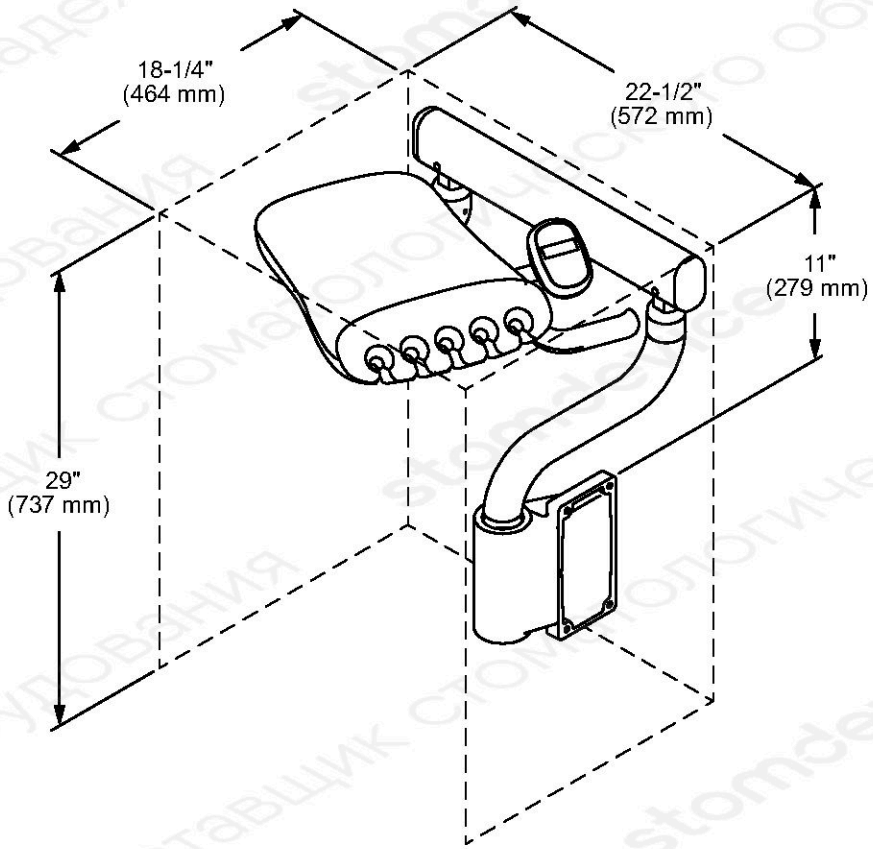
Non-Standard Wall Construction

7 -1/2" (191 mm) depth minimum.

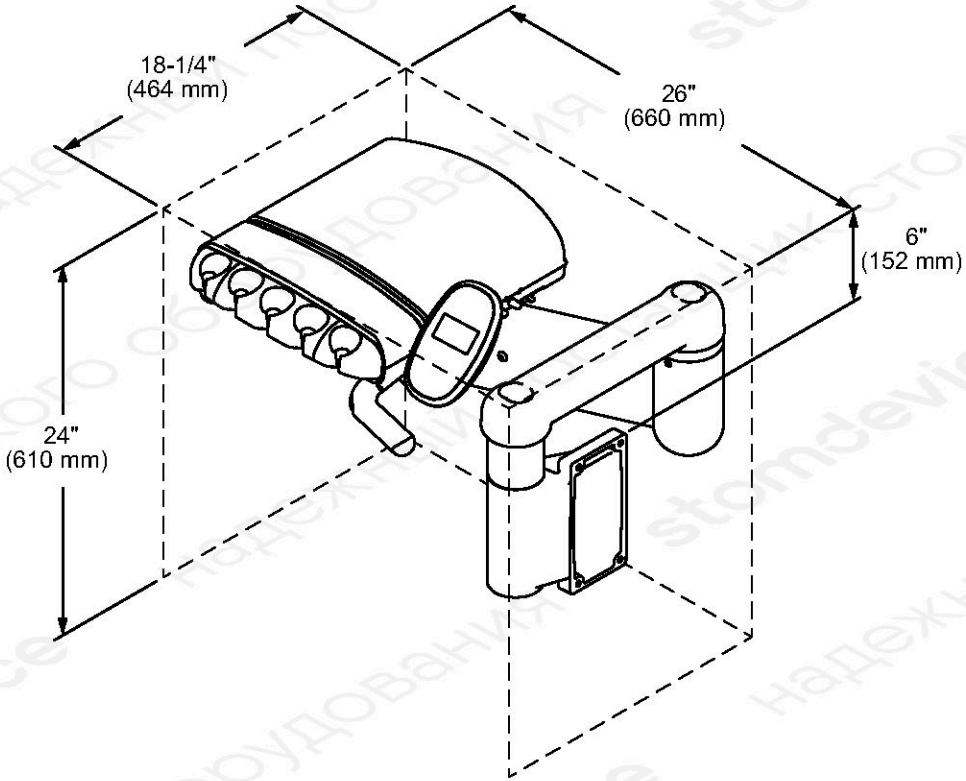
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Clearance Requirements for Non-A-dec Cabinets

A-dec 342



A-dec 542



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Utility Specifications

Utility	Finish	Requirements
Air	Protrude 1" to 2" (25 mm to 51 mm) for 1/2" (13 mm) compression.	• Right-angle manual shutoff valve with 3/8" compression outlet supplied and installed by the contractor, with the top of the handle no higher than 3-3/4" (95 mm) above the finished floor. • 80-125 psi (550 to 860 kPa), 2.5 scfm (71 SL/min) minimum, during normal use (7.5 scfm [210 SL/min] peak intermittent flow). • Flush lines prior to making connections to dental equipment.
Electrical (optional)	1/2" (13 mm) conduit and electrical box with a hospital-grade quad power receptacle.	• Conduit, electrical box, and power receptacle supplied and installed by the contractor (wired as per code). • Electrical box should be oriented vertically, with the top no higher than 5" (127 mm) above the finished floor. • See the "Electrical Ratings" table for voltage and amperage ratings.

Electrical Ratings

Power	Required Electrical Supply
240 Volt	220–240 VAC, 50–60 Hz, 5 Amps minimum
120 Volt	110–120 VAC, 50–60 Hz, 10 Amps minimum

IMPORTANT For additional electrical specifications, see the *Regulatory Information, Specifications, and Warranty* document (p/n 86.0221.00), which is available in the Resource Center at www.a-dec.com.

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Shipping Weights

Product/Box	Estimated Shipping Weight
A-dec 342 Side Delivery System	65 lb (29 kg)
A-dec 542 Side Delivery System	94 lb (43 kg)

Documentation References

Document Title	Part Number
A-dec 342/542 Side Delivery System Wall-Mount Backboard Template	85.0049.00
A-dec 342 Side Delivery System Installation Guide	86.0673.00
A-dec 542 Side Delivery System Installation Guide	86.0467.00

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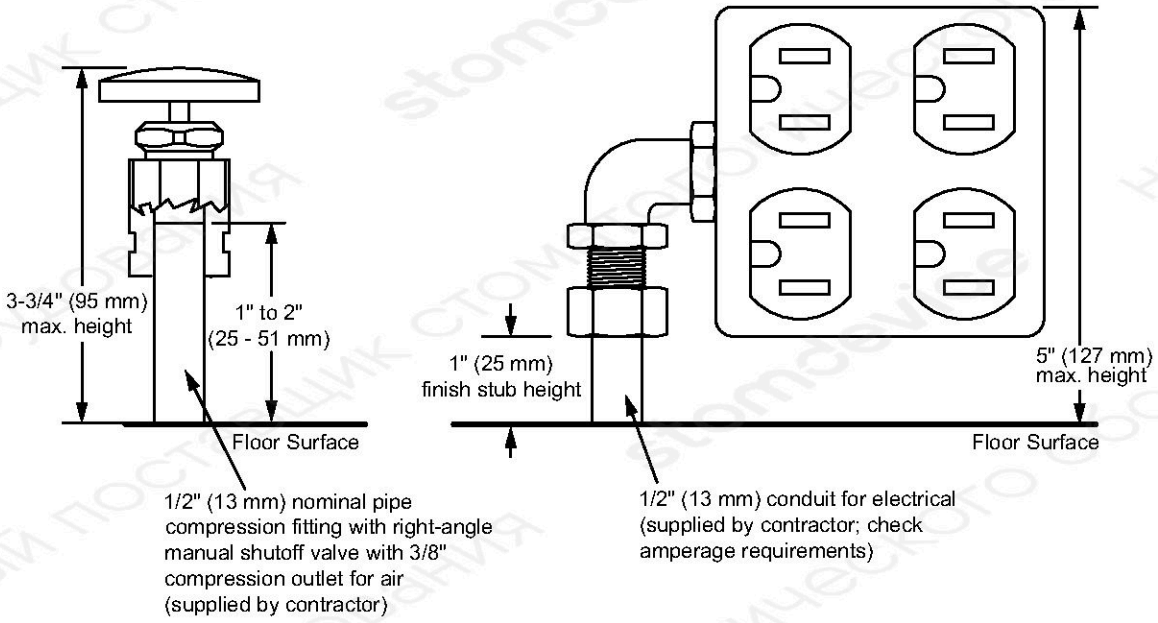
Plan Views and Dimensions

NOTE The dimensional drawings in this section are not to scale and are for reference only. For complete accuracy, use the appropriate full-sized templates.

Utility Placement

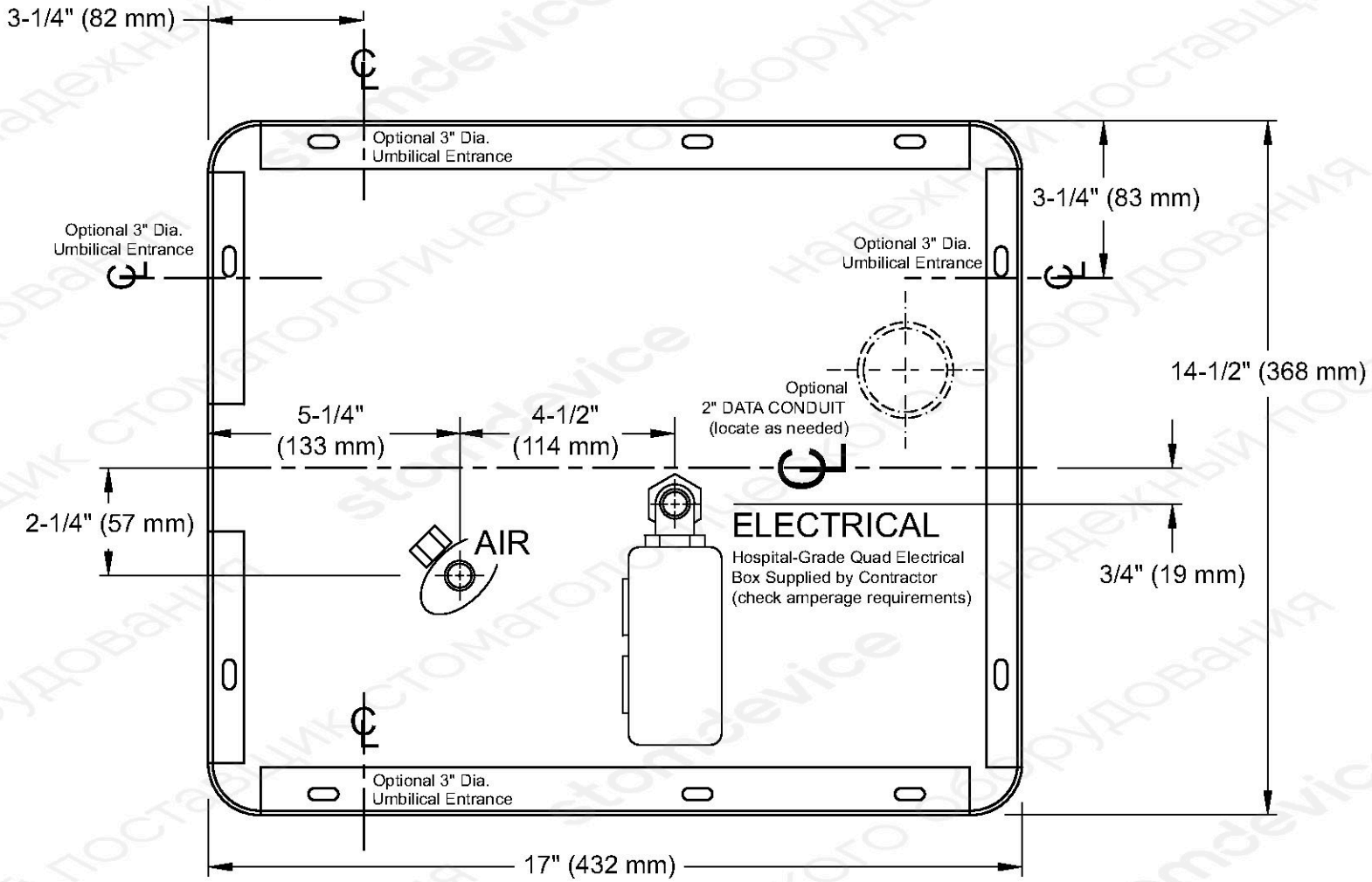
CAUTION Due to specific plumbing elevation restrictions, the height and placement of utilities in the floor box can affect the ability to use the floor box cover. Failure to provide adequate space will prevent installation and removal of the cover. See "Utility Elevations." Please reference the appropriate full-size template (p/n 85.0472.00), which includes all of the necessary space constraints.

Utility Elevations



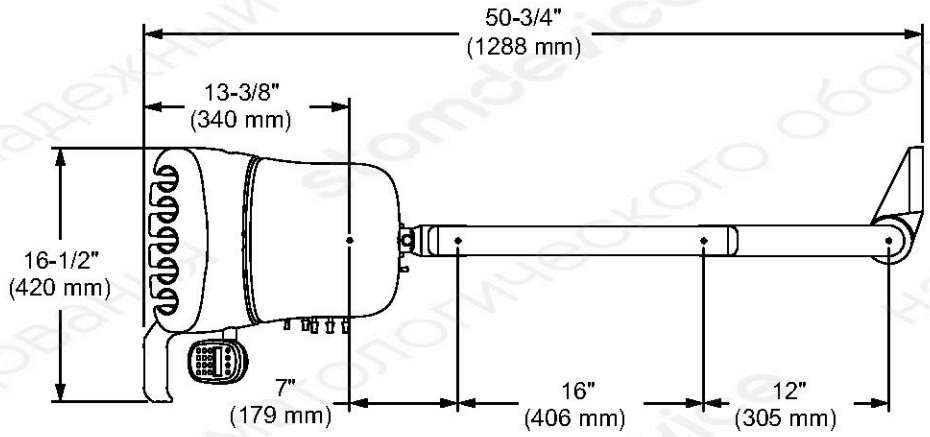
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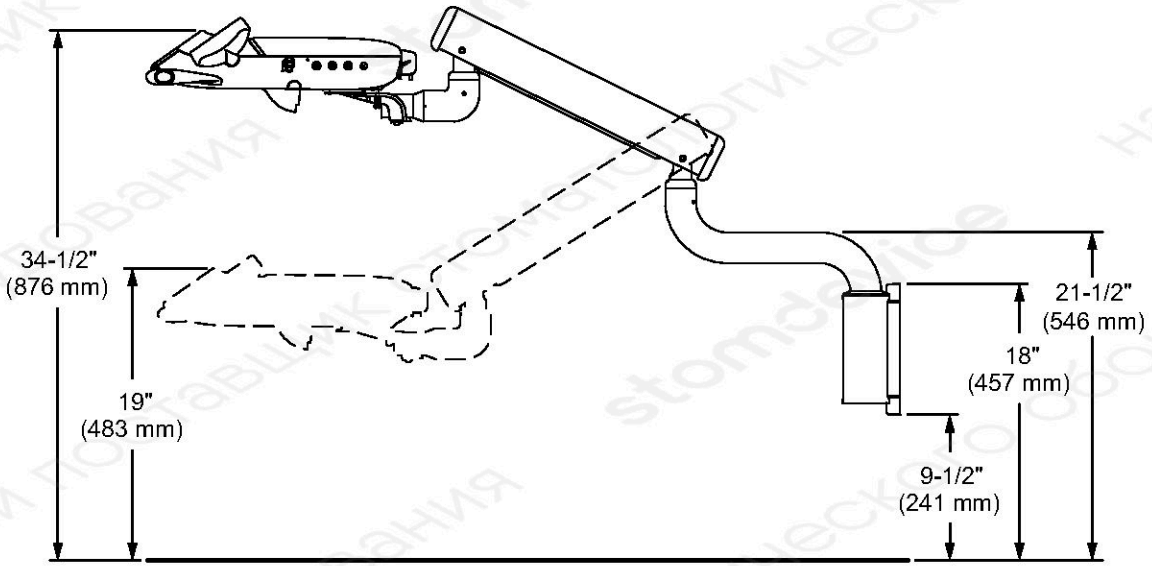
Remote Floor Box Utility Connections



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A-dec 342, Cabinet Mount, Plan View with Elevation

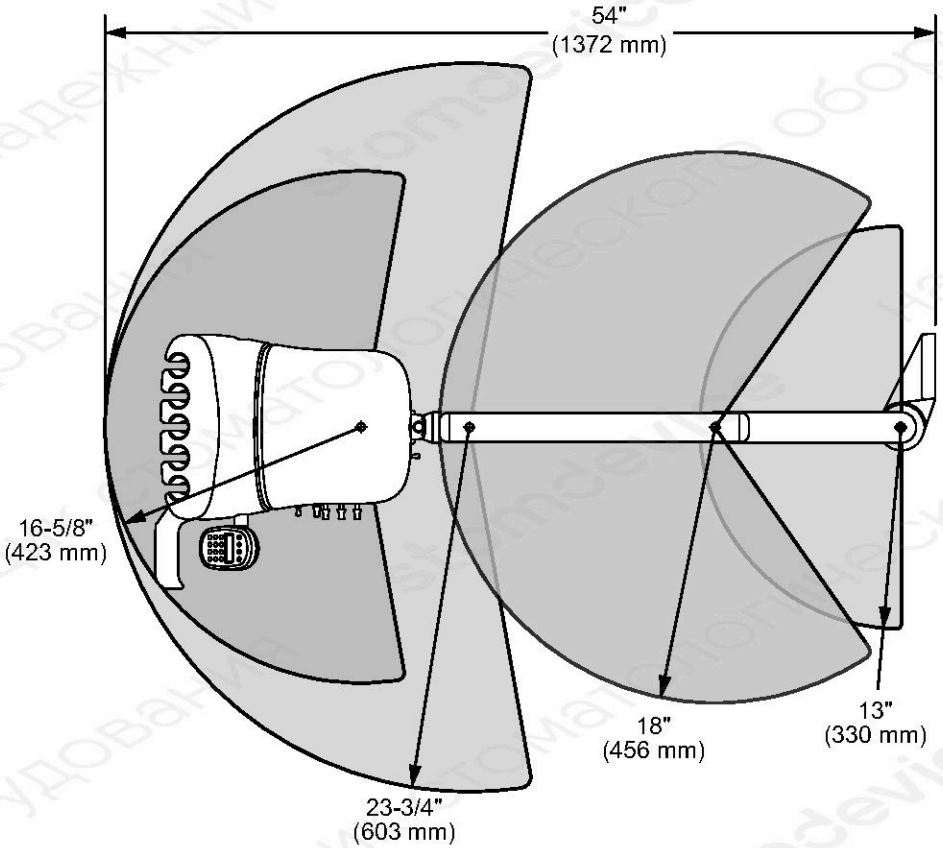




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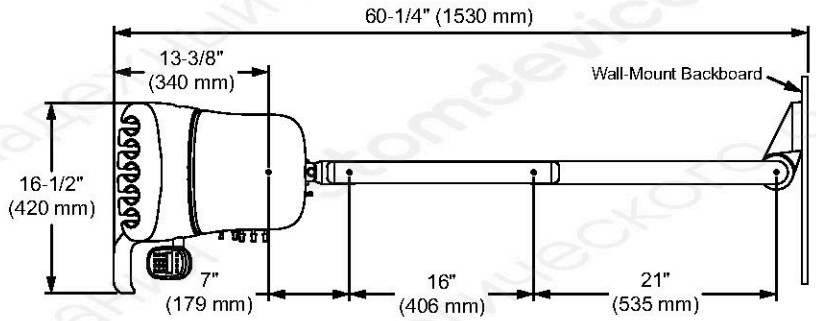
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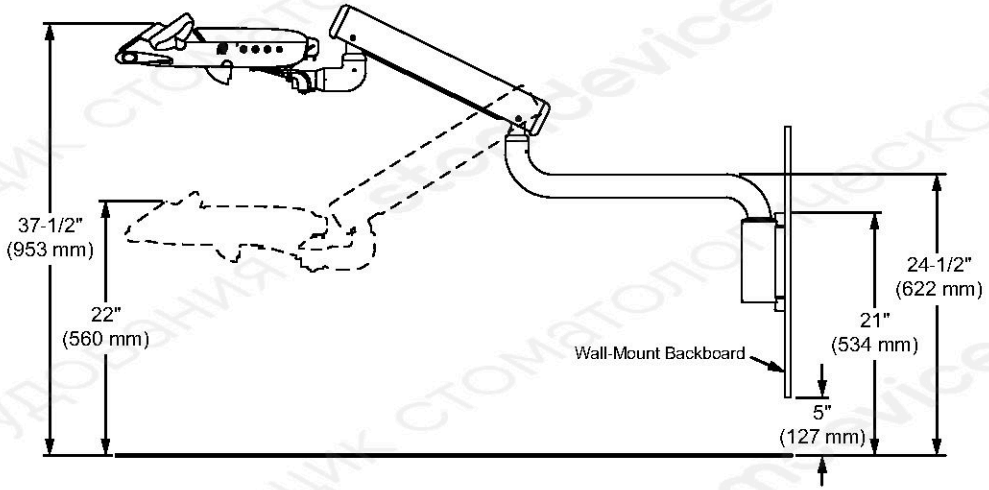
A-dec 342, Cabinet Mount, Range of Motion



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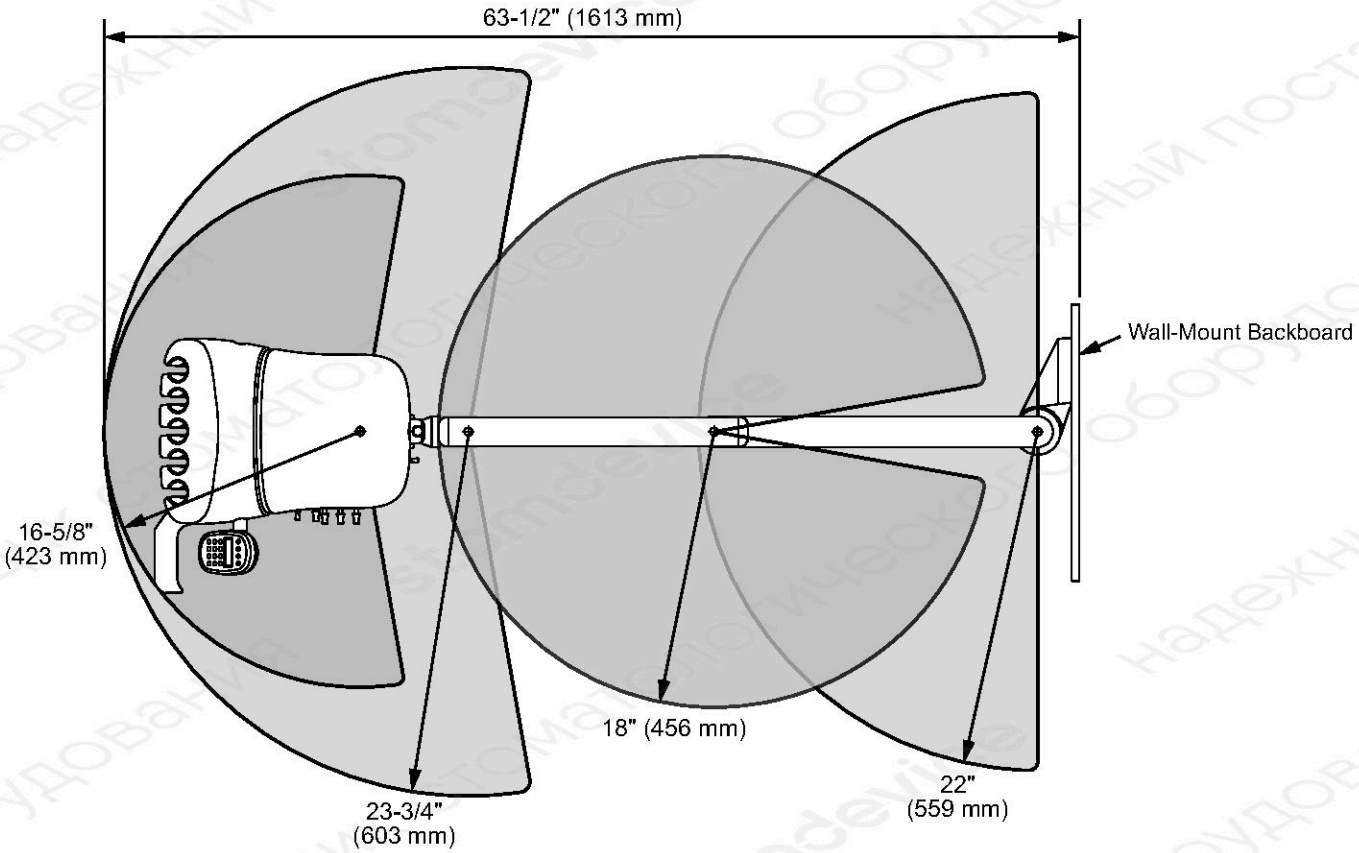
A-dec 342, Wall Mount, Plan View with Elevation





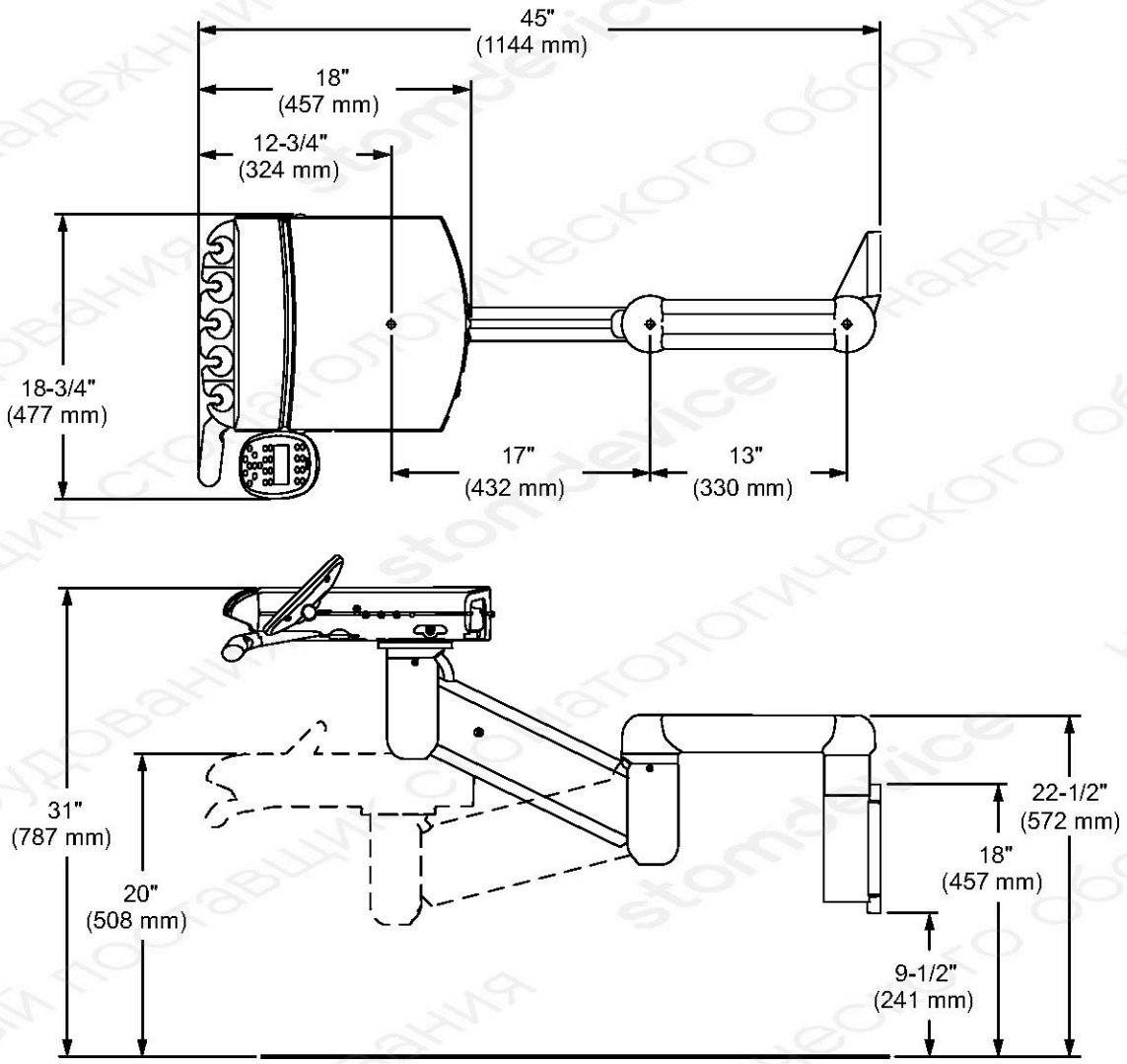
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A-dec 342, Wall Mount, Range of Motion



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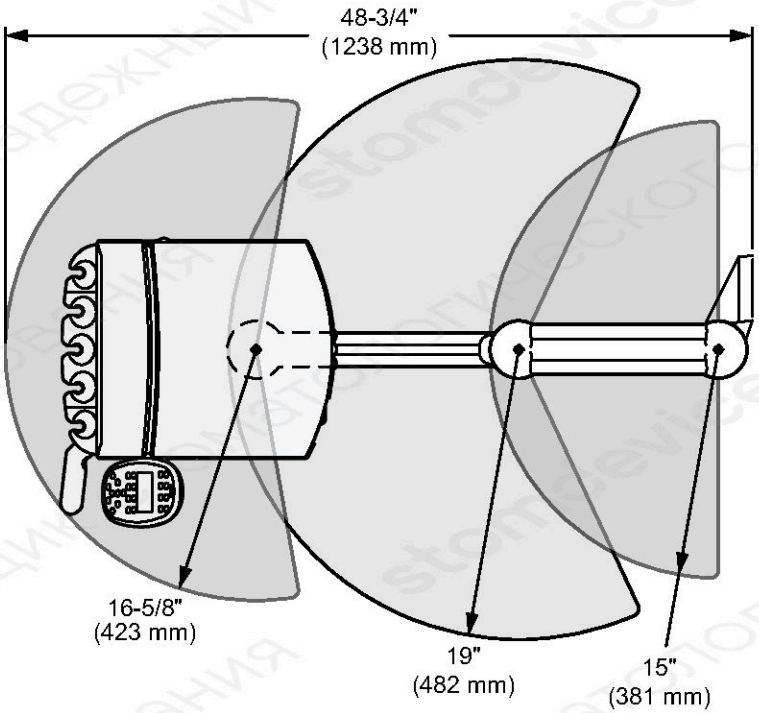
A-dec 542, Cabinet Mount, Plan View with Elevation



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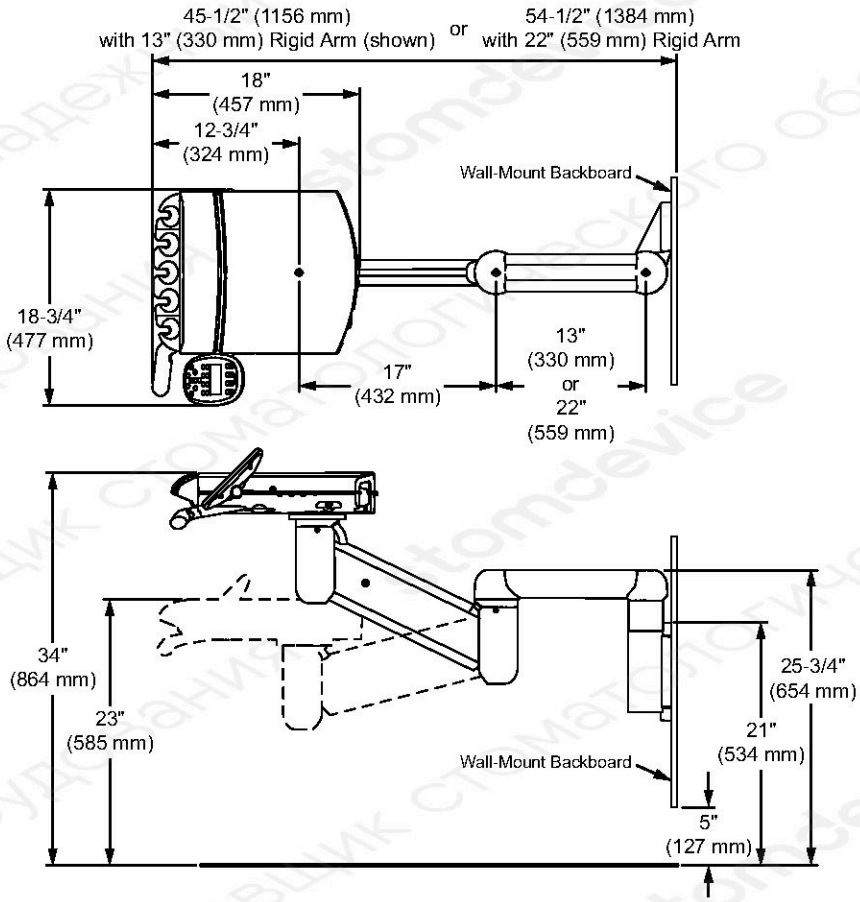
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A-dec 542, Cabinet Mount, Range of Motion



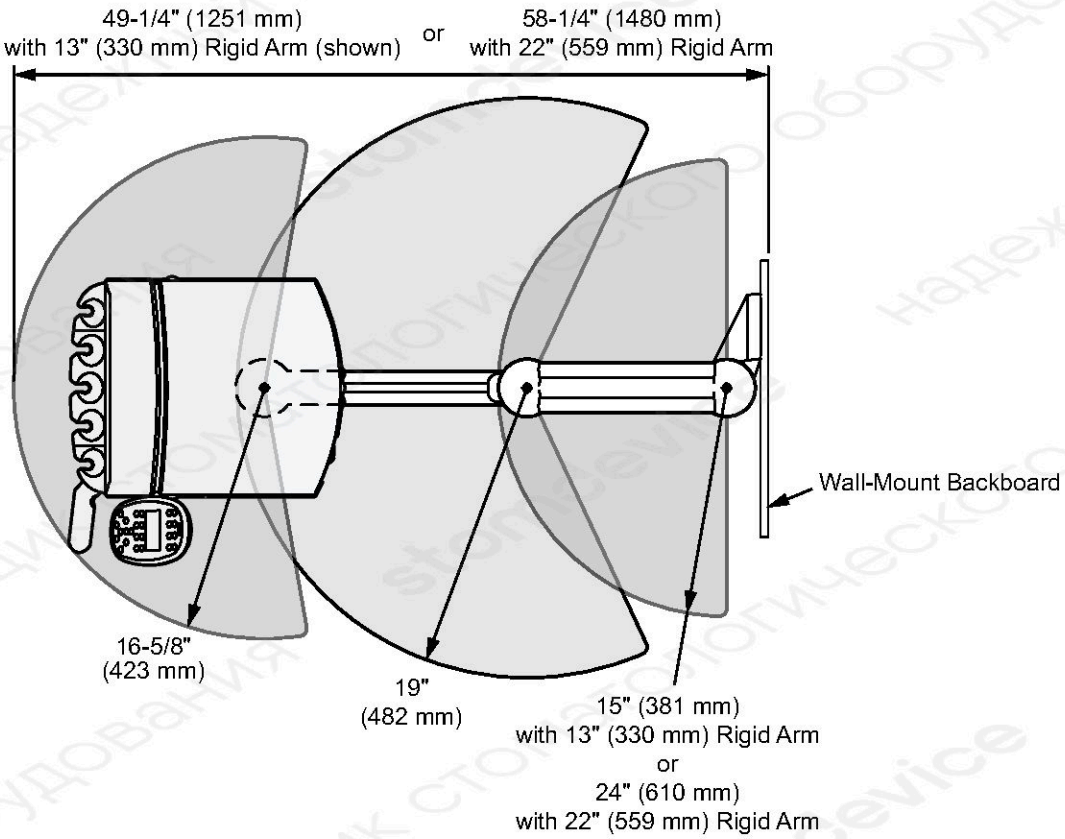
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A-dec 542, Wall Mount, Plan View with Elevation



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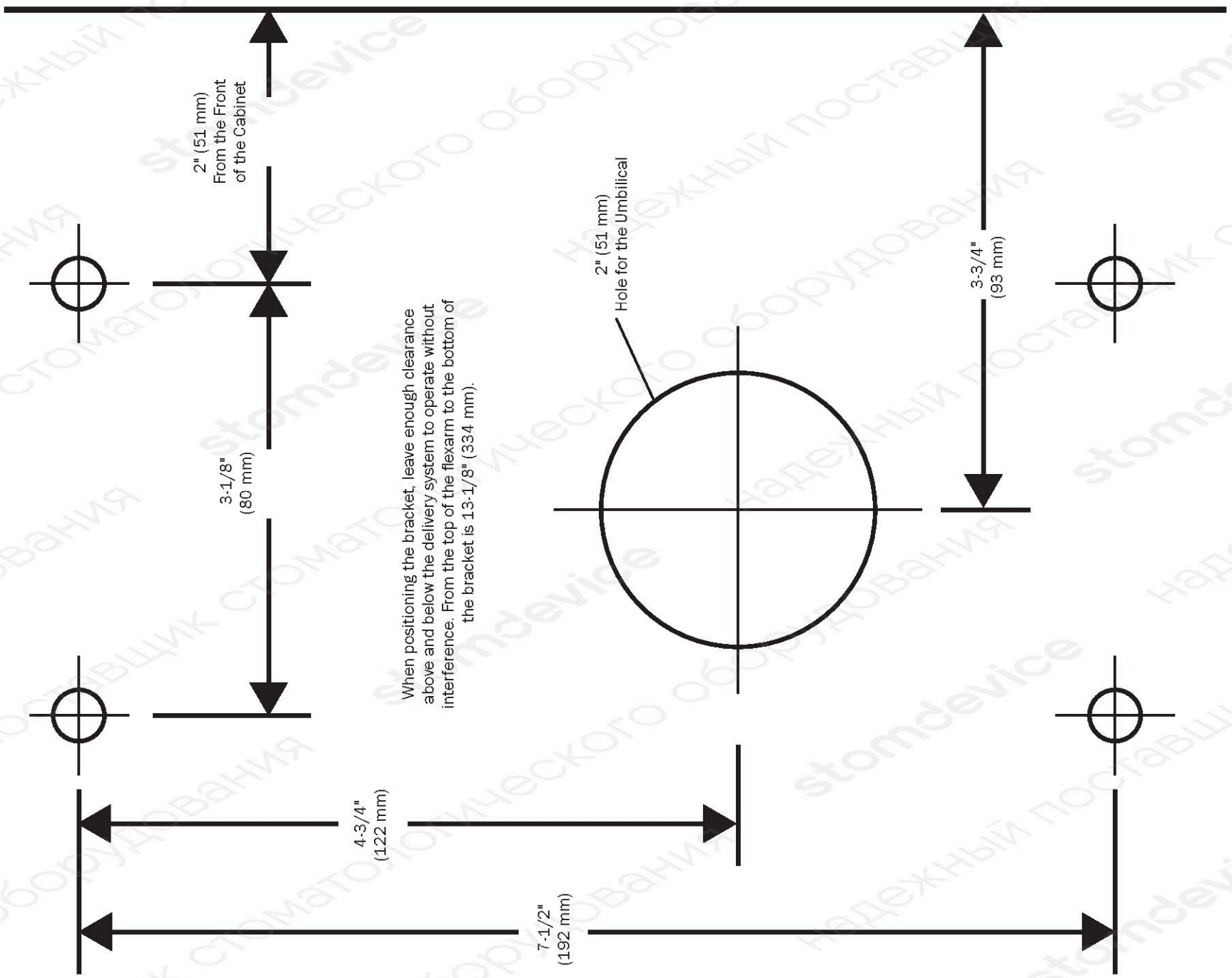
Cabinet-Mount Bracket Template

1. Print the Mounting Bracket Template on page 16 or 17.
2. Align the template with the front edge of the cabinet. Make sure to orient the template from the front of the cabinet.

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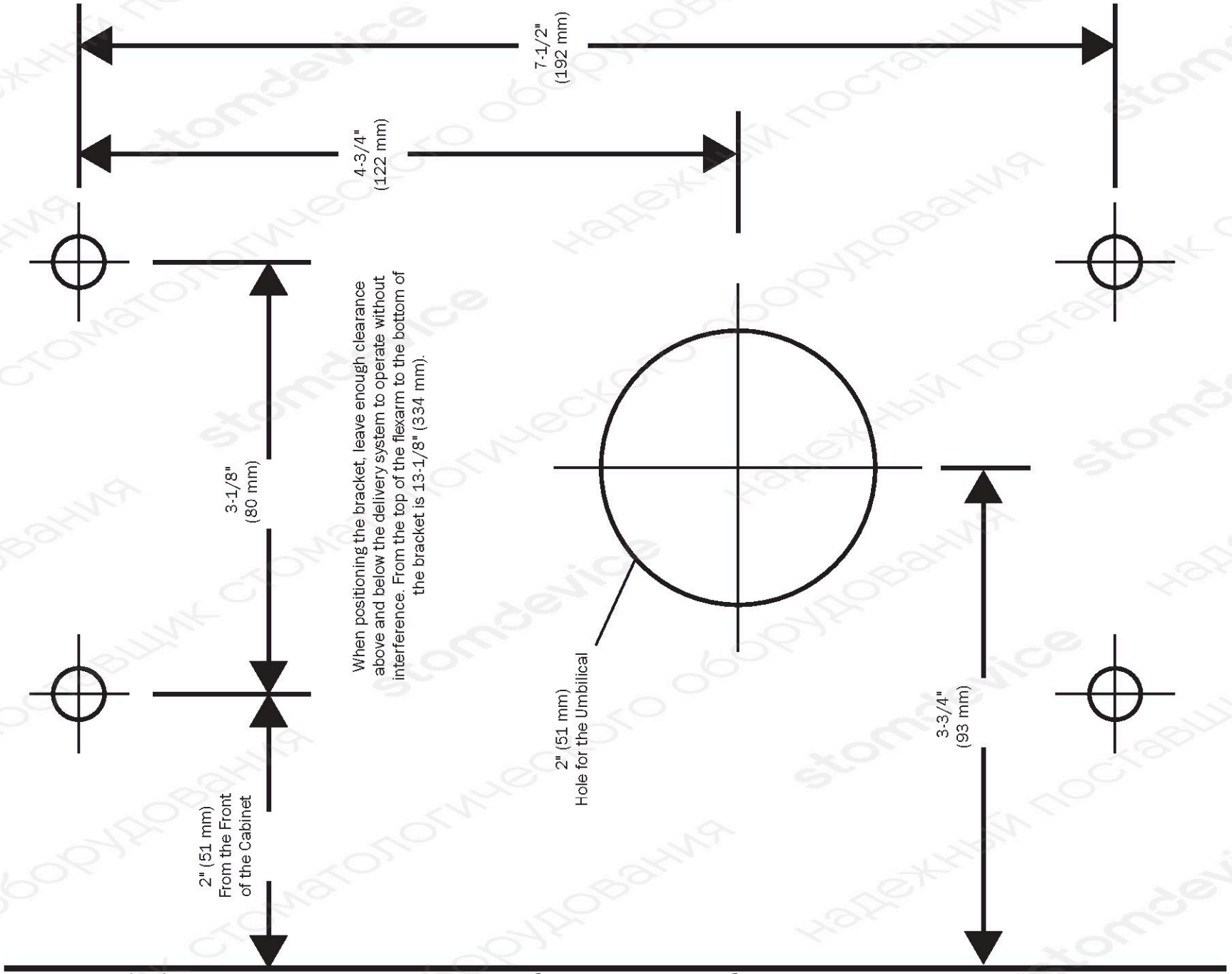
Mounting Bracket Template (Right-Hand Setup)



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Mounting Bracket Template (Left-Hand Setup)



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Wall-Mount Backboard Requirements

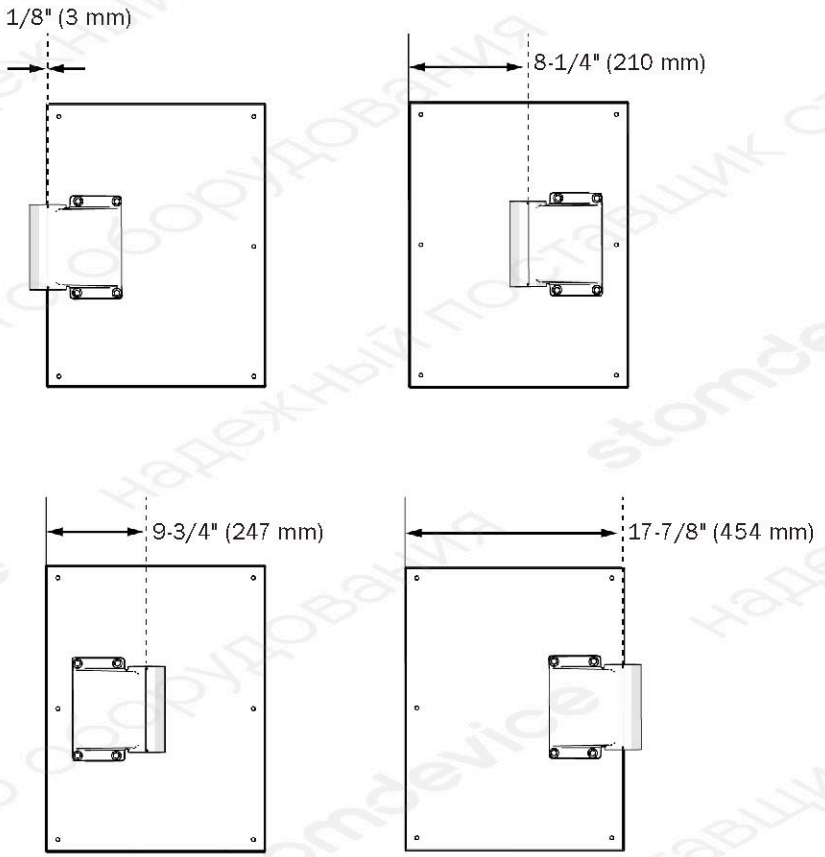
WARNING You must mount the backboard securely to permanent wall studs. A-dec will not assume responsibility for any damage resulting from the use of incorrect fasteners.

Backboard mounting location:

- Maximum arm extension as measured from the backboard:
  - A-dec 542: 45-1/2" (1156 mm) for a 13" (330 mm) rigid arm
  - A-dec 542: 54-1/2" (1384 mm) for a 22" (559 mm) rigid arm
  - A-dec 342: 60-1/4" (1530 mm)
- Recommended distance from the bottom of the backboard to the floor is 5" (127 mm). Adjust its position according to the office space and the preferences of the doctor.

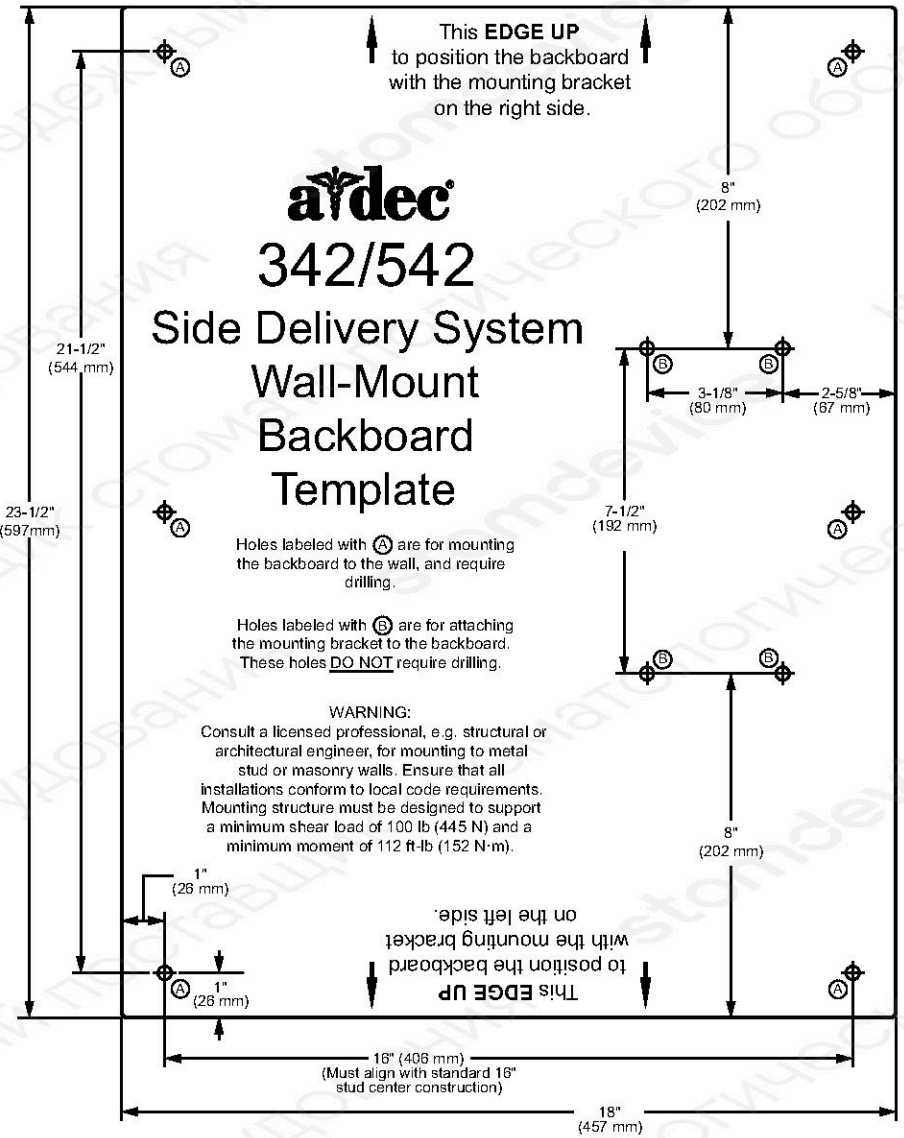
Backboard and Bracket Mounting Position Options

Distances are measured from the edge of the backboard to the center of the rigid arm position in the mounting bracket.



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Wall-Mount Backboard Mini-Template



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86.0035.00 Rev D
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