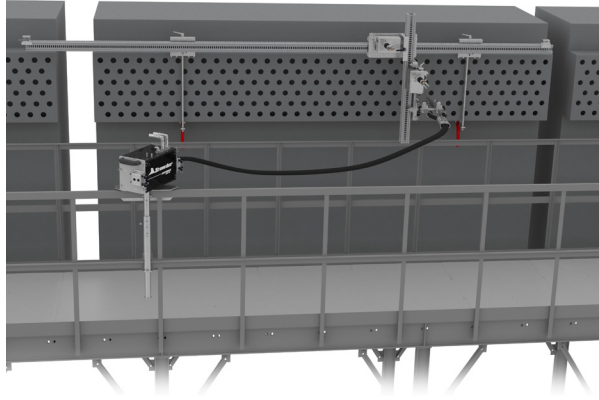


# FIN FAN ACCESSORY

Adapts AutoBox ABX-2L for Fin Fan Style Exchanger Cleaning



## OVERVIEW

The Fin Fan Accessory is designed to adapt the AutoBox ABX-2L and LWP-500 positioner for the specific requirements of cleaning Fin Fan style exchangers.

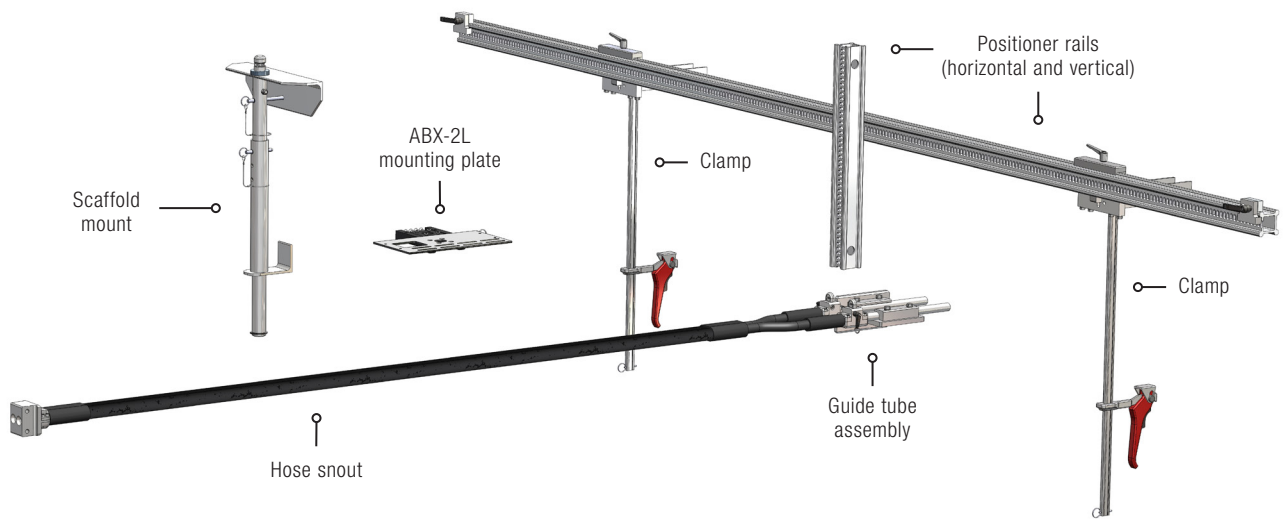
Fin Fan exchangers can be much wider than standard heat exchangers and are often accessed by very narrow walkways. Fin Fan Accessory components allow the ABX-2L to be safely positioned in tight walkway spaces for this type of cleaning. Customizable rail lengths and simple mounting clamps enable the positioning system to accommodate most all Fin Fan headers and configurations.

FEATURES	BENEFITS
<ul style="list-style-type: none"> <li>• Light weight positioning system</li> </ul>	<ul style="list-style-type: none"> <li>• Easy setup and assembly in tight locations</li> <li>• Customizable to fit most fin fan exchangers</li> </ul>
<ul style="list-style-type: none"> <li>• Hose snout and tube guide assembly</li> </ul>	<ul style="list-style-type: none"> <li>• Accurate lance control and indexing</li> <li>• Built-in backout prevention increases safety</li> <li>• Adjustable pitch</li> </ul>
<ul style="list-style-type: none"> <li>• Scaffold mount</li> </ul>	<ul style="list-style-type: none"> <li>• Simple mounting of ABX-2L system on existing structures</li> </ul>

SPECIFICATIONS	
<b>Horizontal Positioner*</b>	Full Length: 15 ft 457 cm Allowance: 30 in. 76 cm
<b>Vertical Positioner*</b>	Full Length: 3.5 ft 107 cm Allowance: 18 in. 46 cm
<b>Hose Size</b>	3/2–8/4
<b>Pitch Adjustment</b>	0.6–2.5 in. 15–64 mm

\*Custom lengths available. Additional allowance required to complete travel distance.

## FIN FAN ACCESSORY CONFIGURATION



**A complete Fin Fan Accessory configuration includes the following components:**

1. FF-100 Fin Fan Clamp Kit
  - a. Hose snout
  - b. 30-inch clamps
  - c. Guide tube assembly
  - d. Scaffold mount
  - e. ABX-2L mounting plate
2. Horizontal and vertical drive rails
3. Hose collet stops
4. Guide tubes

**The following items are also required:**

- AutoBox ABX-2L
- LWP-500 drive carriages
- Stingers and slim-line couplers (to aid the Banshee tools in spanning across the Fin Fan header box and entering the tubes)

PLEASE NOTE: This product is offered as an accessory to the AutoBox ABX-2L. The required ABX-2L tractor and drive carriages are sold separately.

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To configure the Fin Fan Accessory, the following information should be obtained:

#### **RAIL SELECTION**

- **What is the width of the fin fan exchanger?**  
The horizontal rail will need to be a minimum of 30 inches (76 cm) longer than the fin fan unit to allow the drive carriage to travel the complete distance of the exchanger face.
- **What is the height of the fin fan exchanger?**  
The vertical rail will need to be a minimum of 18 inches (46 cm) longer than the fin fan unit is in height.

#### **HOSE COLLET STOP SELECTION**

- **What is the hose (flex lance) size to be used?**  
The appropriate hose stop collet/collets (FF 121-XXX) will be required.

#### **GUIDE TUBE SELECTION**

- **What is the ID of the tubes being cleaned? What size BN tools will be used?**  
The appropriate size guide tube will be required.

#### **DRIVE CARRIAGES**

- **Will the Fin Fan Accessory be used with an existing ABX-2L and LWP-500?**  
If customer owns the LWP-500 positioner (or is purchasing one), the stops, horizontal and vertical carriages can be used for the Fin Fan kit. If the customer does not own an LWP-500, the carriages and stops will need to be added as optional items.

#### **STINGERS/COUPLERS**

- **What is the depth of the header box (distance from outside surface to tube sheet)?**  
The guide tube length will need to be approximately 6–8 inches (15–20 cm) longer than the depth of the header box. The nipple/stinger will need to be about 2 inches (5 cm) shorter than the header box depth.
- **What is the hose end fitting size, type, and thread?**

#### **ADDITIONAL INFORMATION**

- Make sure the hoses (flex lances) to be used are at least 13 ft (4 m) longer than the fin fan heat exchanger to be cleaned.

# FIN FAN ACCESSORY CONFIGURATION

## ORDERING A FIN FAN ACCESSORY

The Fin Fan Accessory can be configured to specified requirements. Configuration options are described below:

FIN FAN ACCESSORY COMPONENTS	
1 x <b>FF-100</b> Fin Fan Clamp Kit	Includes snout, 30" clamps, guide tube assembly, scaffold mount, and mounting plate
1 x <b>BU 002.1-15</b> Slotted rail, 15 ft	
1 x <b>BU 002.1-3.5</b> Slotted rail, 3.5 ft	
2 x <b>FF 121-XXX*</b> Hose Stop, Collet Style	
2 x <b>ABX 11X-XX*</b> Guide Tube	

\*Specify full part ID from options charts

## Rail Options

Horizontal and vertical rail lengths are customizable. Contact StoneAge Customer Service for availability.

## Hose Stop Collet Sizes

HOSE OD	SPIRSTAR	PARKER	COLLET
0.26–0.38 in.	3/2	2240D-02	<b>FF 121-297</b>
	3/4, 4/2	2240D-025, 2440D-02	<b>FF 121-328</b>
	3/6, 5/2	2240D-03	<b>FF 121-406</b>
0.39–0.50 in.	4/4	2448D-025	<b>FF 121-438</b>
	4/6, 5/4, 6/2	2240D-04	<b>FF 121-460</b>
		2640D-025, 2740D-03	<b>FF 121-484</b>
	6/4	2440D-04	<b>FF 121-516</b>
0.51–0.61 in.	5/6, 8/2	2240D-05, 2740D-03	<b>FF 121-547</b>
	8/4		<b>FF 121-594</b>
		2440D-05	<b>FF 121-625</b>
0.80–0.93 in.	3/8" Rubber WB Hose		N/A

## Guide Tube Options

BANSHEE MODEL	TUBE SIZE	TUBE LENGTH	TUBE PART ID
<b>BN9.5</b>	.459"	12.5 in. 316 mm	<b>ABX 115-12</b>
		36 in. 914 mm	<b>ABX 115-36</b>
<b>BN13</b>	.546"	12.5 in. 316 mm	<b>ABX 116-12</b>
		36 in. 914 mm	<b>ABX 116-36</b>
<b>BN15</b>	.674"	12.5 in. 316 mm	<b>ABX 117-12</b>
		36 in. 914 mm	<b>ABX 117-36</b>
<b>BN18</b>	.745"	12.5 in. 316 mm	<b>ABX 119-12</b>
		36 in. 914 mm	<b>ABX 119-36</b>