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AFL APEX® UNIVERSAL INSTALLATION STAND

The Apex Universal Installation Stand is a three-position adjustable stand designed to hold all five Apex models (X-1, X-2, X-2S, X-3 and X-3H) during closure preparation. The locking clamps, and/or cradle supports, on the installation stand must be repositioned depending on the Apex model being prepared.

Ordering Information

DESCRIPTION	AFL NO.
Apex Universal Installation Stand	AX-KIT-U-STAND

Tools Required for Assembly

1. 216 Can Wrench tool or 3/8" Wrench
2. Cross-tip Screwdriver

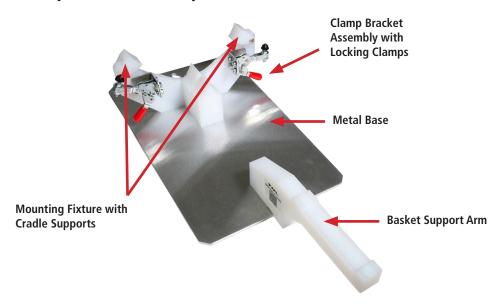### Figure 1 shows the components of the Apex Installation Universal Stand

Clamp Bracket Assembly with Locking Clamps

Metal Base

Mounting Fixture with Cradle Supports

Basket Support Arm

Figure 1

INSTALLATION INSTRUCTIONS
ASSEMBLING THE STAND

1. Unpack the Apex Installation Stand components from the shipping box.
2. Install the Basket Support Arm to the Metal Base with a cross-tip screwdriver using the screw provided. Ensure the screw is securely tightened.

NOTE: The Mounting Fixture will already be installed to the Metal Base by the factory.

INSTALLATION INSTRUCTIONS

SETTING THE CLAMP BRACKET ASSEMBLY AND CRADLE SUPPORTS

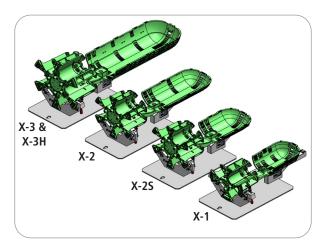Figures 2a and 2b show the Apex Universal Installation Stand can hold all five models of Apex Splice Closures.

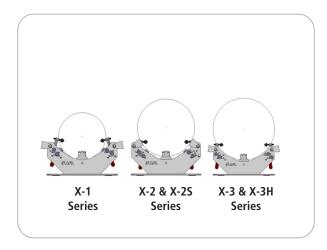**Figure 2a – Apex Family of Closures on Universal Installation Stand**

Figure 2b – Side view of Apex Family of Closures on Universal Installation Stand

1. The Clamp Bracket Assembly can be placed in three separate positions to provide proper placement of the Locking Clamps to securely hold the Apex model being prepared in the Installation Stand (**Figure 3**).

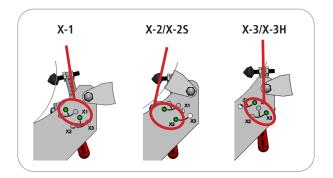2. For Apex X-2 and X-2S models, the Cradle Supports must also be engaged for a secure hold (**Figure 4**).
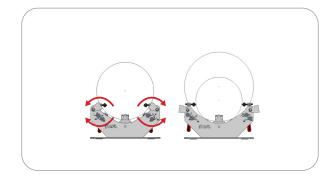

Figure 3 – Clamp Bracket Assembly Bolt Holes locations

Figure 4 – Cradle Support Positioning

NOTE: The lower grouping of bolt holes on each side of the Mounting Fixture are labeled, ***X1, X2 and X3.*** The upper group of bolt holes on each side have the same geometry and pair with the lower bolt holes but are not labeled.

3. To set the Clamp Bracket Assembly in the Mounting Fixture for the Apex model being used, place the Clamp Bracket Assembly bolts into the paired holes for the Apex model being used. Each locking clamp has two mounting bolts with 3/8 in. nuts.

4. Using a 216 Can-Wrench or similar tool, remove the nuts and washers from the bolts mounting the Clamp Bracket Assembly to the Mounting Fixture and reposition the bracket to the proper position for the Apex model being used (**Figure 3**), and securely tighten the nuts with washers.

NOTE: The Clamp Bracket Assemblies always mount on the interior side of the Mounting Fixture, with the bolts facing toward the end of the installation stand opposite the Basket Support Arm.

INSTALLATION INSTRUCTIONS

SETTING THE CLAMP BRACKET ASSEMBLY AND CRADLE SUPPORTS (cont.)

5. If configuring the Installation Stand for use with X-2 or X-2S, once the Clamp Bracket Assemblies are positioned and secured, flip the Cradle Supports inward to properly hold the closure base **(see Figure 4)**. **Table 1** summarizes the position of the Cradle Supports by Apex Model.

Table 1 – Cradle Support Position by Apex Model

APEX CLOSURE MODEL	LOCKING CLAMP POSITION	CRADLE SUPPORT
X-1	X-1	Disengaged
X-2S	X-2S	Engaged
X-2	X-2	Engaged
X-3, X-3H	X-3, X-3H	Disengaged

MOUNTING APEX ON THE UNIVERSAL INSTALLATION STAND

1. Remove the dome from the Apex closure.

2. After properly setting the Clamp Bracket Assemblies and Cradle Wedges on the Installation Stand for the specific model, the Apex Closure can be mounted in the Installation Stand. Initially orient the closure on the stand basket down to verify Locking Clamps are properly engaged.

3. While setting the Apex Closure in the Installation Stand, align the base of the closure with the Slotted Wedge Support of the Mounting Fixture **(Figures 5a and 5b)**. The Slotted Wedge Support will slip into the base at any one of six receptacle positions on the Apex closure base. The wedge will restrict movement of the closure forward or backward.
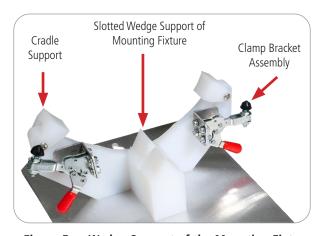

Cradle Support

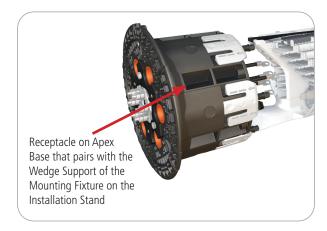Slotted Wedge Support of Mounting Fixture

Clamp Bracket Assembly

Figure 5a – Wedge Support of the Mounting Fixture

Receptacle on Apex Base that pairs with the Wedge Support of the Mounting Fixture on the Installation Stand

Figure 5b – Receptacles on Apex Base for Wedge Support

INSTALLATION INSTRUCTIONS

MOUNTING APEX ON THE UNIVERSAL INSTALLATION STAND (cont.)

4. When mounting the Apex Closure on the Installation Stand, the Basket Support Arm has two locating tabs with grooves to keep the basket in place while working on it. The tabs will keep the basket from sliding from side-to-side, and works with all all five Apex models (X-1, X-2, X-2S, X-3 and X-3H). The tabs are circled in red to show engagement points (**Figure 6**).

5. Once the closure is placed in the Installation Stand – with proper alignment of the Cradle Support, Slotted Wedges and Basket Support Arm tabs – the two Locking Clamps engagement pins should be placed in contact with the Apex base before being locked by pushing the red handles inward. The clamp pins must be first be in full contact with the Apex base to lock into place. (**Figure 7**).
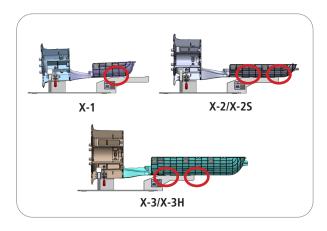

Figure 6 – Basket Support Arm

Figure 7 – Locking Clamp Engaged on Apex Base

Troubleshooting Notes

If the Locking Clamps do not lock into place, check proper alignment of the Apex closure with the Cradle Support, Slotted Wedges, and Basket Support Arm tabs.

If the Locking Clamps lock but do not securely hold the closure, they can be adjusted by loosening the nuts on each side of the engagement pin (**Figure 8**). The rubberized tip of the engagement pin is mounted to a bolt with an adjustable set of nuts on each side. These nuts can be adjusted with the 3/8 in. socket on a 216 Can-Wrench or similar tool. Adjust the locking clamp as needed to ensure the Apex base is held securely by the clamps. The Locking Clamp bolts need only be hand-tightened. Be careful to not over tighten the nuts which could damage the clamps and make loosening/repositioning difficult.
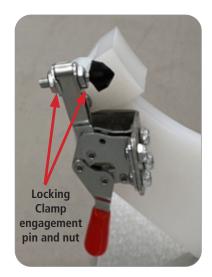

Locking Clamp engagement pin and nut

Figure 8 – Locking Clamp Adjustment

INSTALLATION INSTRUCTIONS

MOUNTING APEX ON THE UNIVERSAL INSTALLATION STAND (cont.)

6.   As needed during preparation, the Apex closure can be re-positioned on the Slotted Wedge Support in any one of the six receptacles on the closure base to allow better access to each cable port and sealing wedge during the Cable Attachment Unit (CAU) mounting process (**Figure 9**).

Receptacle on Apex Base that pairs with the Wedge Support of the Mounting Fixture on the Installation Stand

Figure 9 – Receptacles on Apex Base for Wedge Support