

ALZO Suspended Ceiling Support System User Guide

CAUTION: Typical suspended drop ceilings are not intended to support weight. A suspended ceiling system will typically require modification in order to support the weight of the background support system with large rolled paper. If you do not have construction skills, we strongly recommend that you have a licensed contractor make the modifications required.

Installation of the ALZO Suspended Ceiling Backdrop Support system requires 2 adults and 2 step ladders. In addition, changing the background material also requires 2 adults and step ladders.

IMPORTANT: DO NOT OVERTIGHTEN THE FRICTION ADJUSTMENT AS THIS WILL DAMAGE THE CHAIN DRIVE ROLLER. DAMAGED CHAIN DRIVE ROLLERS DUE TO OVER TIGHTENING THE FRICTION ADJUSTMENT ARE NOT COVERED BY THIS PRODUCT WARRANTY.

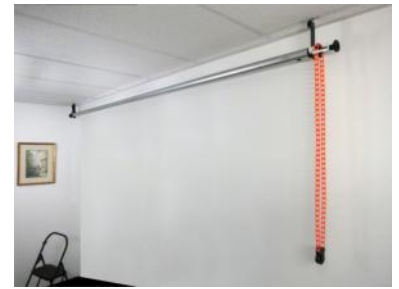
Suspended ceiling T-Bar metal frames are constructed of long un-broken runs of framing called **main runners**. And then there are short pieces called **connectors** fitting between long runs to form the grid. It is best to suspend the background support system from the long **main runners** of framing and not the short connectors. If the best location for the background support system is on **connectors**, then you will most likely need to add an additional frame connector to accommodate the 123" span of the background support system. (see photo below) In addition, we strongly recommend adding additional support wires to physically attach frame connectors to the true ceiling at the location of the hooks.

The KIT Includes

- 2 - X-Clamps with nuts and o-rings
- 2 - Ceiling Hooks
- 1 - Set of plastic rollers with chain and weight
- 1 - 10 foot 2 section support pipe (not shown)
- 2 - Plastic wedges (also not shown)

TOOLS REQUIRED

Pliers, 2 step ladders

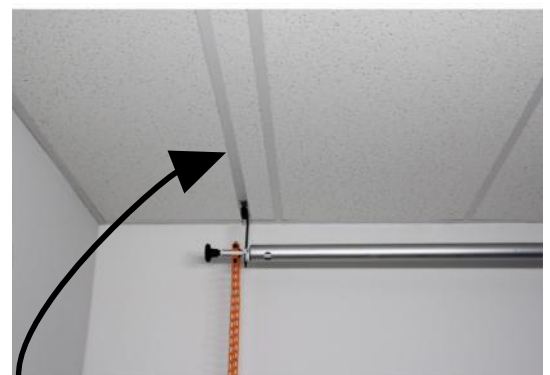


STEP 1 - First study the location where the background system will be attached to the ceiling frame and locate the frame sections that you intend to attach the hooks. The 2 hooks will be located 123-125 inches apart. Most ceiling tiles are 24 inches wide and this makes the typical connector span 120 inches. You may need to add additional frame connector sections to attach either 1 or both of the hooks. Home Depot and other retailers have some suspended ceiling supplies for the DIY approach, or you may need to hire a professional to perform the addition of a frame connector. When adding a new frame connector section assure that a support wire is installed to the true ceiling from this new connector.

NOTE: When adding a frame connector section it is important to cut the tile after the frame connector section is added and the background system is installed to assure the correct position of the frame connector.



Main Runner



Frame connector added here to make span 123 inches

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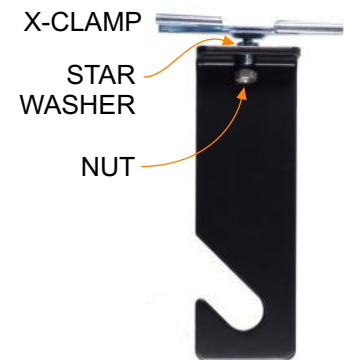
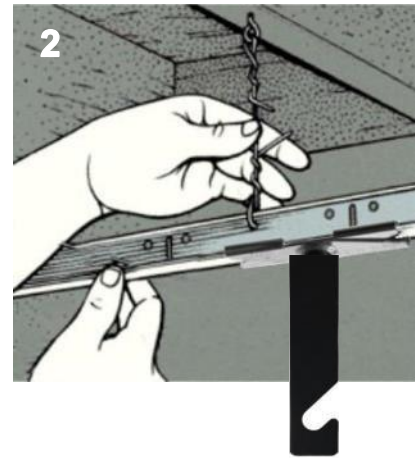
STEP 2 - Locate the position(s) where the hooks of the background support system will be installed and mark the metal frame with a pencil. Then remove the ceiling tiles on both sides of these locations.

STEP 3 – Inspect the installation of the support wires attached to the framing and if there is a support wire within 12” of the location mark where the hook of the background support system will be attached than the addition of a support wire is not required.

If the closest support wire is more that 12” from the location, than it is strongly recommended to add a new support wire directly over the location of the hook of the background support system . Replicate the method of connection of the support wire to the ceiling framing or concrete.

STEP 4 – Position the first X-clamp and spread and attach it to the frame near where you have marked the frame. Assure that all 4 wings of the X-Clamp are wrapping around the frame and tight to the frame edges.

STEP 5 - Then place the star washer over the X-CLAMP threaded screw, then position the hole in the bend in the hook on the screw then add the 1/4” x 20 nut and tighten the nut with a wrench with the hook perpendicular to the frame as shown in figure 4.



STEP 6 - Rotate the hook to position it as shown. The hook opening can face either front or back but keep in mind both hooks should face the same direction.



STEP 7 - Attach a tape measure to the hook with a piece of tape and then make a mark at 123 inches on the frame for the second hook.

Now repeat steps 3-5 and install the second hook at the mark. Now re-measure to assure a distance of 123 inches between hooks.

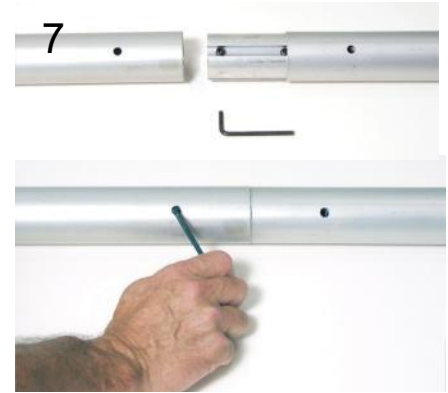


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STEP 8 - Determine where you want the chain to hang as this will dictate the installation of the rollers in the pipe.

STEP 9 - Lay the 2 - 5 foot sections of pipe on the floor and locate the supplied hex key. Loosen both set screws in the pipe junction and leave the hex key in the screw in the pipe. Now slide the pipes together align the holes with the set screws and tighten both set screws securely.

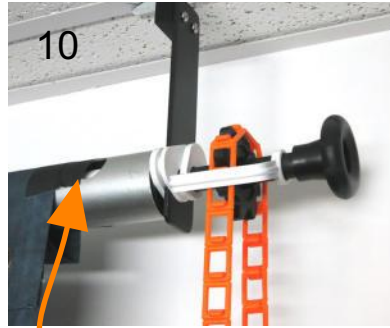
NOTE: If the pipe junction is hidden in the end of the pipe loosen the visible set screw and slide out the junction. Then perform step 9.



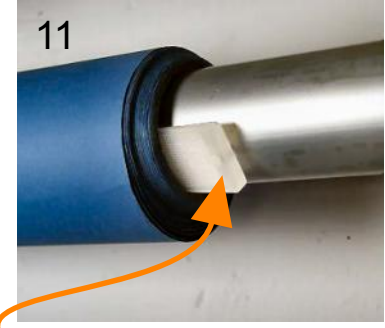
STEP 10 - One of the rollers has a white box frame and this is the end that the chain attaches to. The other roller includes a thumbscrew friction adjust. Rotate the knobs on the end of the rollers counter clockwise a few turns and then slide the rollers into the pipe until they are almost completely hidden. Rotate the knobs clockwise until the rollers are firmly tight in the pipe.



Friction Adjust thumb screw



Gaffers tape on both ends to attach muslin



Plastic Wedge pushed in between cardboard tube and aluminum pole

STEP 11 - INSTALL THE BACKGROUND ON THE PIPE

This process requires 2 adults and 2 step ladders. The background is installed on the pole first and then lifted and attached to the hooks. Caution - The 2 ends must be secure on the hooks prior to installers stepping down. Severe ceiling frame damage will occur if one of the ends is not properly secured in the hook. In addition, assure that the friction adjust thumb screw is properly adjusted prior to attempting to roll up or down any background. The friction adjustment should allow for the rolling out of the paper with the chain without excessive force on the chain, but with sufficient friction to prevent paper roll out.

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PAPER ON 2" CARDBOARD CORE: Remove one of the rollers and slide the paper over the pipe. Firmly push the 2 plastic wedges in-between the paper core and the pole on both ends to the roll (see 11 above). This will secure the paper to the pipe. Now replace the roller and tighten in place.

MUSLIN: Remove one of the rollers and slide the fabric pocket over the pipe. Use a 4 inch piece of 2 inch wide gaffers tape to attach one end of the fabric to the pipe. Now on the other end stretch the fabric until taught and then secure this end with another 4 inch length of gaffers tape. You will need to pull on both sides of the fabric as it is rolled up to reduce wrinkles. Do not use DUCT TAPE as this will be very difficult to remove to change the background.