

The Flyman needs to mark the purchase line with the “In” trim for system battens on which the Pipe End Tail Downs are mounted. The Flyman may wish to use a Knuckle Buster as well to prevent digging the end of the Pipe End Tail Down into the deck when bringing the system batten in to work on it.

Injuries to personnel and damage to the Pipe End Tail Down, lighting units and system batten can result if the Flyman brings the system batten past the “In” trim for the Pipe End Tail Downs.

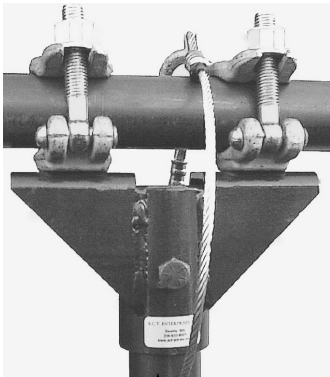
DOs & DON'Ts

DO NOT:

- Weld anything to the Pipe End Tail Down
- Cut or grind the Pipe End Tail Down
- Suspend personnel from the Pipe End Tail Down
- Suspend equipment or structures intended for the use of lifting or supporting personnel above the floor from the Pipe End Tail Down
- Attach the Pipe End Tail Down between two system battens
- Use for purposes for which the Pipe End Tail Down was not intended.

DO:

- Properly tighten the nuts of the steel pipe clamps
- Use the supplied Safety Cable and shackle at all times
- Mark the purchase line of the system batten for the proper “In” trim
- Hang lighting units with safety cables
- Balance the number of lighting units up and down stage on the Pipe End Tail Down



City Theatrical Safer Sidearms are CE certified and RoHS compliant.

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CITY THEATRICAL I N C

INTRODUCTION AND SAFETY INSTRUCTIONS FOR PIPE END TAIL DOWN UNIT

P/N 290



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Introduction:

Thank you for your purchase of City Theatrical's **Pipe End Tail Down (P/N 290)**, which is hanging hardware that will allow you greater strength, safety and flexibility over previous traditional methods. This product's features include:

- Welded Steel Construction
- Double Pipe Clamp attaches to the system batten or grid pipe
- Safety cable is standard equipment
- Sleeve fitting accepts standard 1½" Schedule 40 steel pipe
- Hang lighting equipment in line under the system batten or grid
- Position lighting equipment to make needed shots
- Replaces floor mounted boom pipes for dance lighting

Assembly:

Your new Pipe End Tail Down comes unassembled for better shipment. Remove the Grade 8 ½"-13 bolt from the sleeve of the head fitting. Insert the end of the 1½" Schedule 40 steel pipe (the end with the hole drilled into it) into the sleeve. Align the holes and insert the bolt. Tighten the nyloc nut on the bolt until the nut is firmly against the side wall of the sleeve. Do not over tighten the nut as you may begin to crush the sleeve. Find the supplied shackle and have it ready to use when you install the Pipe End Tail Down on the system batten or grid pipe.

Installation:

Your Pipe End Tail Down is now ready to hang on the system batten or grid pipe. The steel clamps on top of the fitting head are designed to be used on 1½" Schedule 40 steel pipe. It is highly recommended that the Pipe End Tail Down not be installed on any other size pipe.

The Pipe End Tail Down can be hung anywhere along the length of the system batten but should not be hung outside (offstage) of the last cable support for the system batten. If possible, place the Pipe End Tail Down directly under the last cable support for the system batten. Should your needs require that the Pipe End Tail Down be placed offstage of the last cable support for the system batten, you should properly bridle the end of the system batten to support the Pipe End Tail Down.

Do Not Hang the Pipe End Tail Down On System Batten Pipe Extensions!

To position the Pipe End Tail Down properly you will need the system batten flown out to a working height that allows the Pipe End Tail Down to hang freely under the system batten. It is recommended that you hang the rest of the lighting equipment on the system batten prior to installing the Pipe End Tail Down.

Place the steel pipe clamps around your system batten and close the clamps. Swing the bolt up into the notch on the clamp. Tighten the nut on each clamp with a wrench to secure the Pipe End Tail Down to the system batten. **Test the Pipe End Tail Down by trying to rotate the fitting around the system batten.** If you can rotate the Pipe End Tail Down around the system batten, reposition the Pipe End Tail Down to the upright position and tighten the steel pipe clamps again until the Pipe End Tail Down will not move relative to the system batten.

Use the provided shackle to join the ends of the safety cable together. Allow the safety cable to dangle freely.

You are now ready to hang lighting equipment on the Pipe End Tail Down. Instruments can be mounted directly on the pipe or on sidearms. Lighting units should be mounted facing onstage and coming directly under the system batten. (This is a great advantage of the Pipe End Tail Down, the lighting equipment is not staggered off to the side of the system batten.)

Lighting units can be hung up and down stage on the Pipe End Tail Down, but the number of lighting units hung up stage on the Pipe End Tail Down should equal the number of lighting units hung down stage on the Pipe End Tail Down. Unequal numbers of lighting units may shift your electric pipe's focus and tilt the Pipe End Tail Down into the path of another system batten. Your Flyman will need to take extra precautions in this case as other nearby system battens may not travel past these lighting units.

The Safe Working Load (SWL) for Pipe End Tail Down is 200 lbs.

MODEL 290 PIPE END TAIL DOWN UNIT

