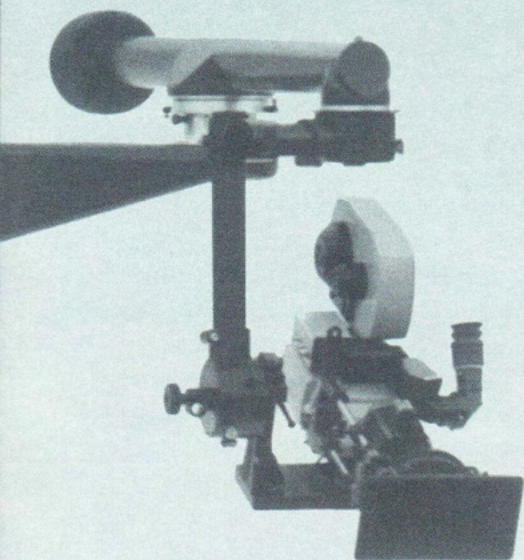


# Multi-Axis Jib Arm

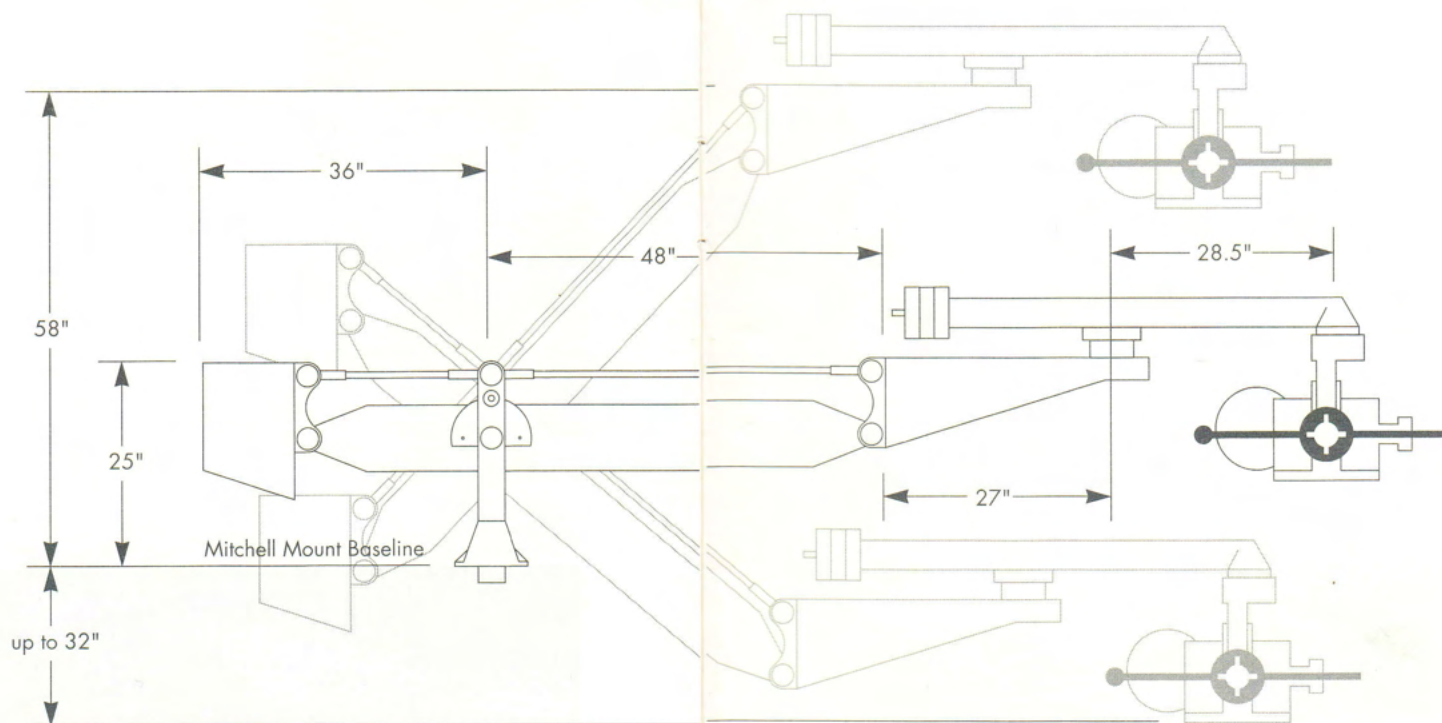


## Weaver/Steadman Multi-Axis Jib Arm

The modular W/S Multi-Axis Jib Arm support system has adjustable fluid tension at all 5 axes (6 with the W/S 3-Axis Head). Carbon fiber construction and ultra precision robotics bearings combine for smooth, free-floating Camera control. The Multi-Axis Jib Arm can also be assembled without its Secondary Arm for a standard Jib Arm configuration.



## W/S Multi-Axis Jib Arm specifications



Maximum reach from center of dolly column to camera is nine feet plus

Maximum vertical range is 5'- 6"

Maximum horizontal range is 18'- 0"

Minimum distance between camera body and horizontal surface is 1.25"

Minimum aperture dimensions through which an ARRI 35 BL-3 with support will pass is 22"H x 14"W

Jib Arm weight is 154 lbs

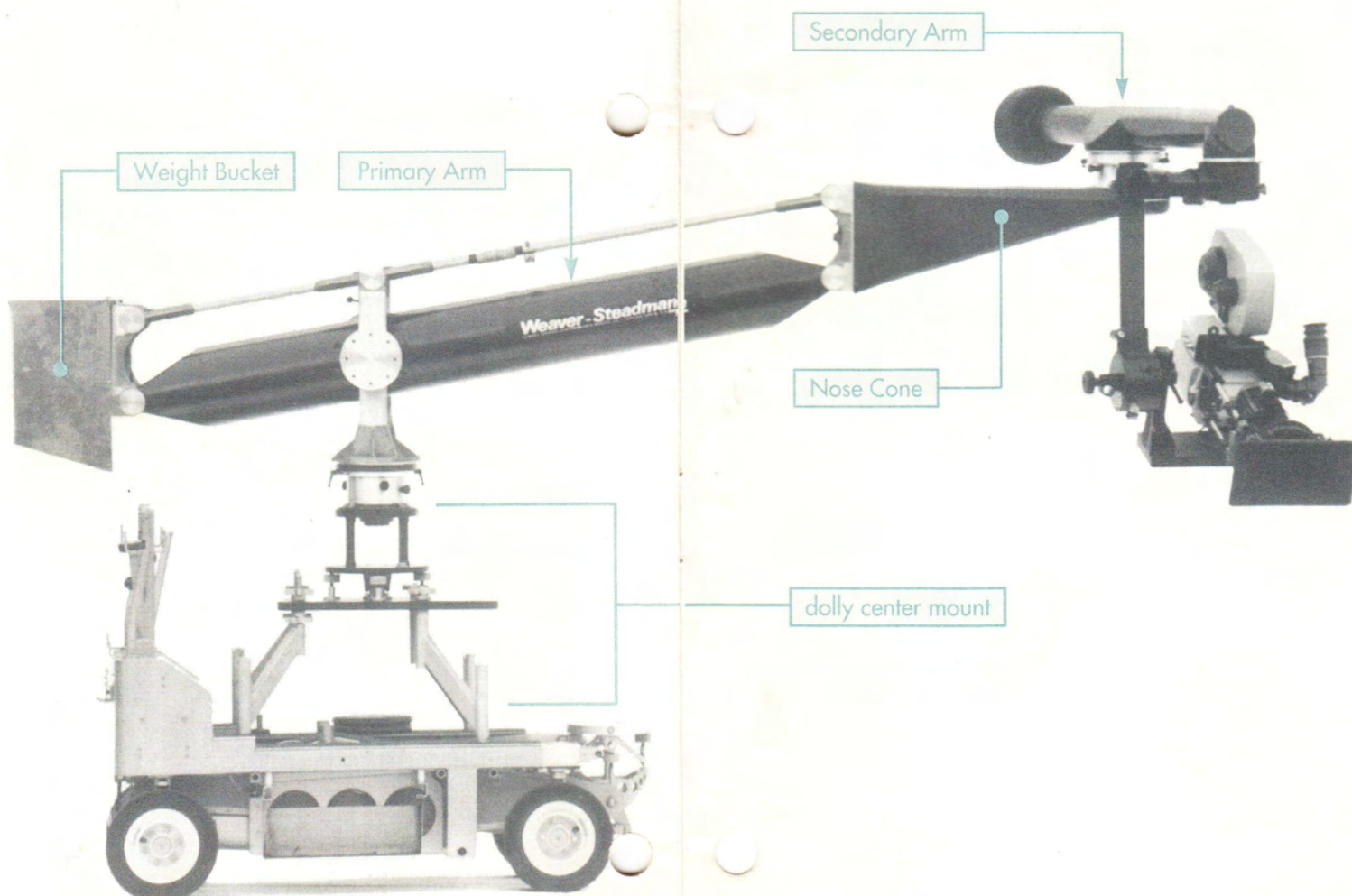
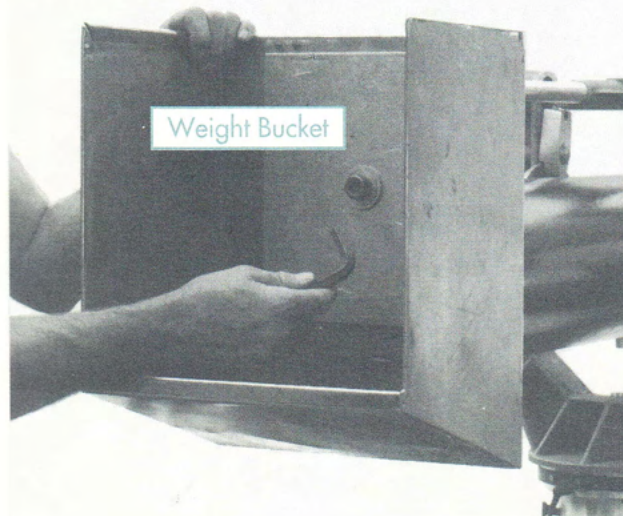
Total shipping weight for Jib Arm, Secondary Arm, Counterweights and container is 451 lbs

## W/S Multi-Axis Jib Arm assembly

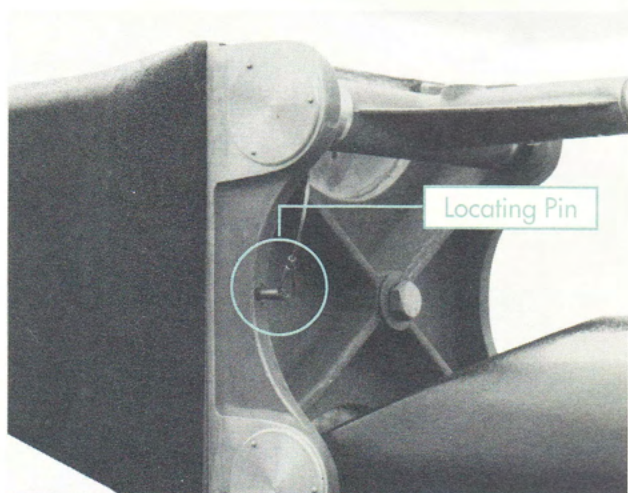
- 1 **Level the dolly or support rig.** Chapman, Fisher and Panther dollies have center-mounting capability which provides the best support for the W/S Multi-Axis Jib Arm.

- 2 **Mount the Primary Arm on the dolly or support rig.** Make sure the Arm is securely attached to the Mitchell mount. To facilitate attachment, hand-tighten the large Nut, and lock the Primary Arm's Pan Brakes. Then, hold on to the Nut as an assistant rotates the Arm in a clockwise direction. Reverse this procedure for disassembly.

- 3 **Install the Weight Bucket on the Primary Arm's short end;** securely tighten the Mounting Bolt.





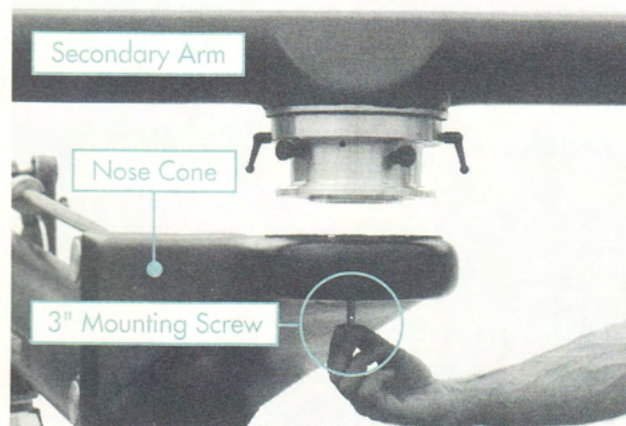


- 4 Install the Nose Cone** so the round aluminum mount is facing up. Use the locating pins on the Nose Cone's base to make sure it will **not** inadvertently rotate; securely tighten the Mounting Bolt.

- 5 Support the Primary Arm's long end.** Place a step ladder or apple box under the end of the Arm with the Nose Cone and lower it until it rests on this support. (See photo on page 44)

- 6 Install the Secondary Arm on the Nose Cone.** Thread the Mounting Screw to within 1/2-turn of being seated, allowing the Arm to rock slightly to gage balance between the Head/Camera Package and the Secondary Arm Counterweights. It is very important to **always** balance the Camera Package's weight with equal counterweight. Wait to tighten the Mounting Screw until after assembly and balance are complete.

Place 20 lbs of counterweight in the Primary Arm's Weight Bucket.



- 7 Install the W/S Head on the end of the Secondary Arm;** securely tighten the Mounting Bolt.

Place an additional 30 lbs of counterweight in the Primary Arm's Weight Bucket.

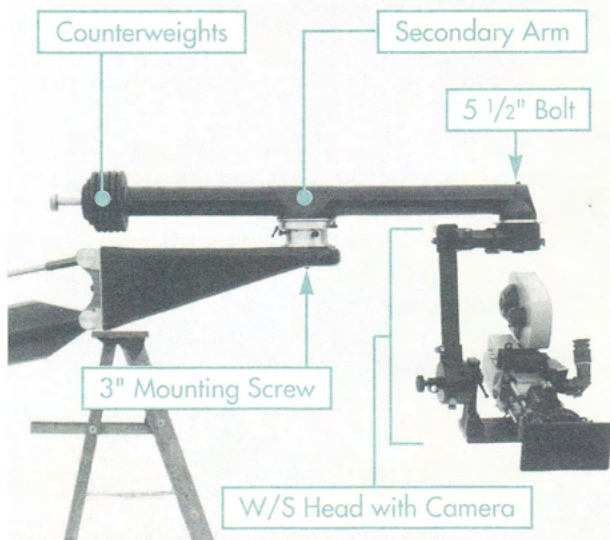
- 8 Add Counterweights to the Secondary Arm.** 20 lbs of counterweight is needed to balance the W/S 2-Axis Head; 35 lbs for the W/S 3-Axis Head; 20-50 lbs for a complete Camera Package.

- 9 Mount the Camera on the Head, and balance.** See details for the 2-Axis Head on pages 10-13; for the 3-Axis Head on pages 23-26.

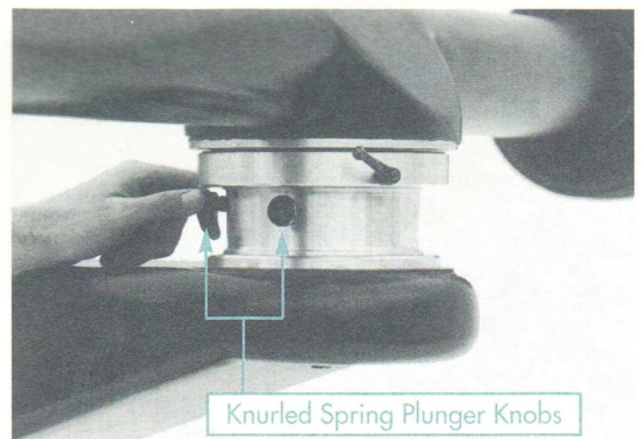
Place sufficient counterweight in the Primary Arm's Weight Bucket to balance the weight of the Head.



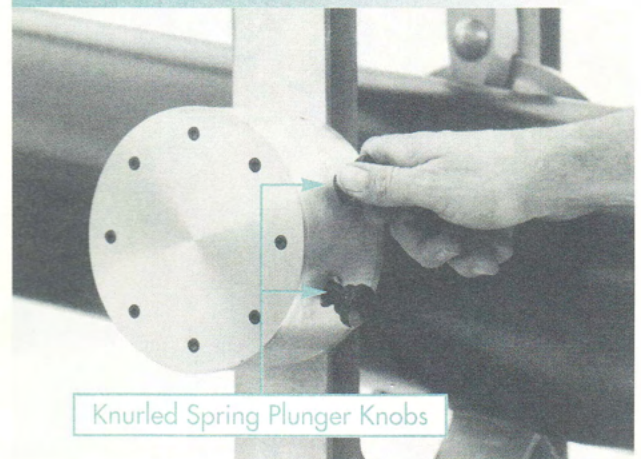
- 10 Adjust the Secondary Arm's balance.** Rock the Arm on its mounting, adjusting the Counterweights until the Camera Package's weight is in balance. Now, tighten the Mounting Screw.



- 11 Add Counterweights to the Primary Arm's Weight Bucket** until the Arm's Nose Cone end gently lifts from its support.



- 12 Adjust drag resistance on all axes** to match that of the head by engaging the Knurled Spring Plunger Knobs.



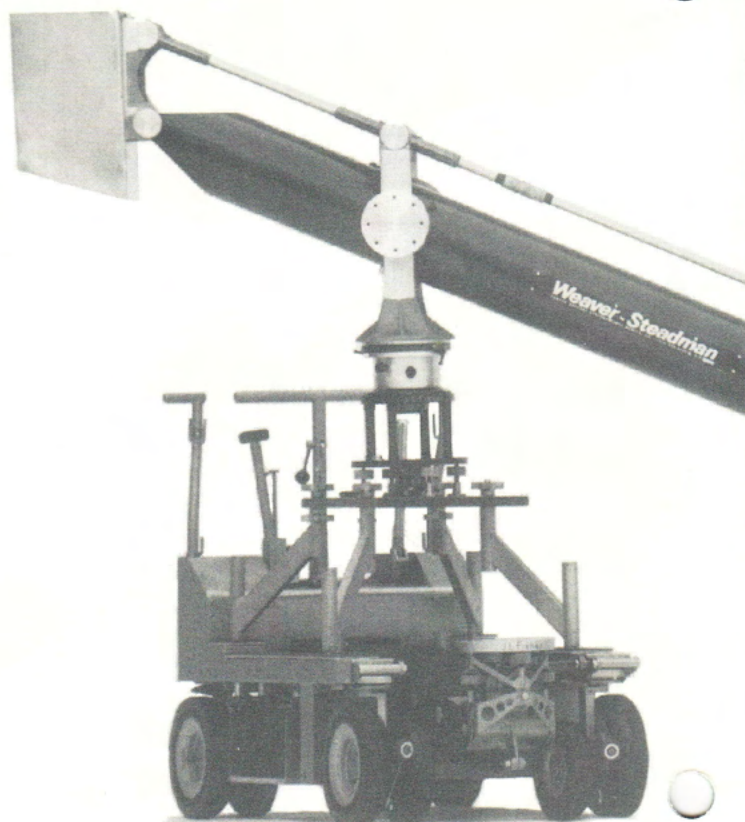
## Note

1. For the Multi-Axis Jib Arm configuration, the Camera Package's weight should be kept as light as possible — especially when using the W/S 3-Axis Head. Heavier Packages create more inertia, making smooth starts and stops difficult. Optimize performance by avoiding 1000' magazines, heavy eyepiece extensions, large matte boxes, or on-board monitors whenever possible.
2. Lead weights are often used for balancing the Primary Arm. For safety, **always** wear gloves when handling these weights, and immediately wash hands when through.



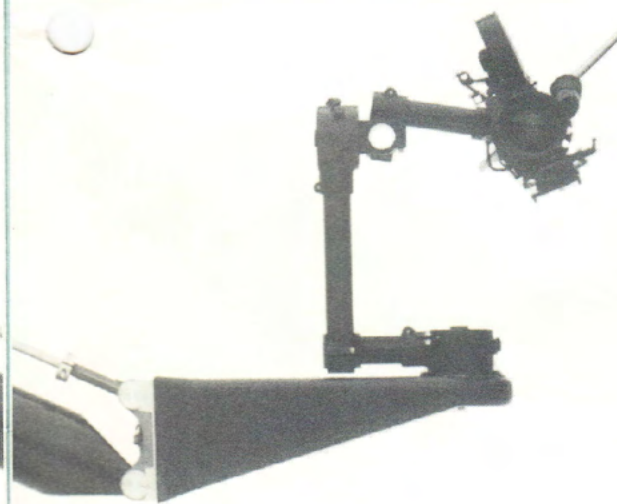
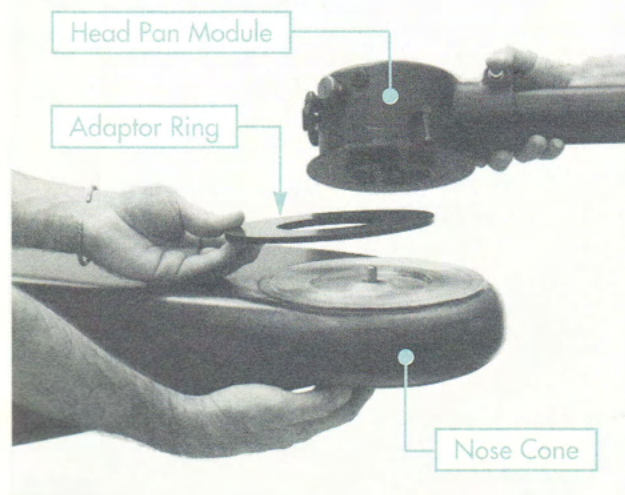
## Standard Jib Arm assembly

The W/S Multi-Axis Jib Arm can be used without its Secondary Arm, to create a more rigid Jib Arm that is excellent for special situations requiring a lighter weight Jib Arm.



**1-5** Follow steps 1 through 5 on pages 40 – 42.

- 6** Install the Head directly on the Nose Cone, using the Adaptor Ring. The Nose Cone can be mounted for either an upright or a suspended (underslung) Camera position. See pages 41 – 42, #4. For Head assembly see pages 8 – 11.



- 7** Mount the Camera Package on the Head. See pages 10 – 13.

- 8** Add Counterweights to the Primary Arm's Weight Bucket until the Camera Package is in balance.