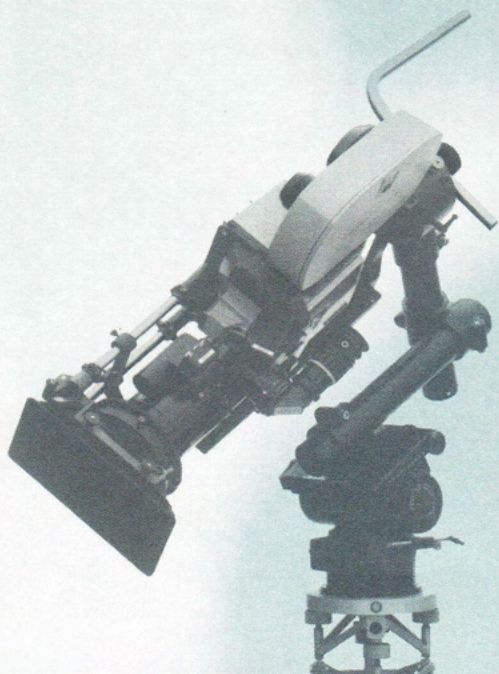


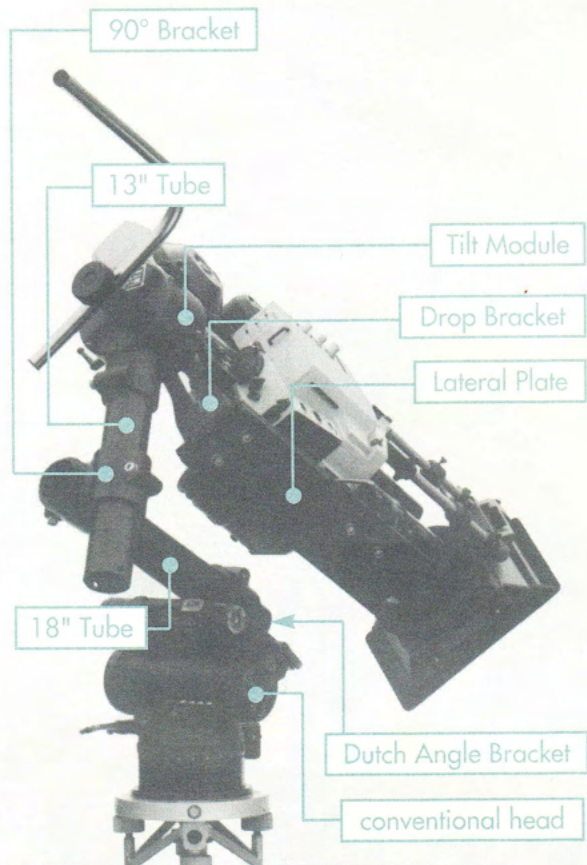
Dutch Angle Head



Weaver/Steadman Dutch Angle Head

This is a simple, fast Assembly for dutch angle shots in an upright position only. In this configuration, a conventional head (Sachtler 80, O'Connor or gear head) is mounted on a dolly or heavy-duty tripod to provide pan and tilt; the W/S Tilt Module is added to provide roll. The roll axis is easily lined up close to the Camera lens, eliminating framing problems generated when the Camera moves in an arc from side to side. Now, all dutch angles are possible.

Weaver/Steadman Dutch Angle with conventional head assembly



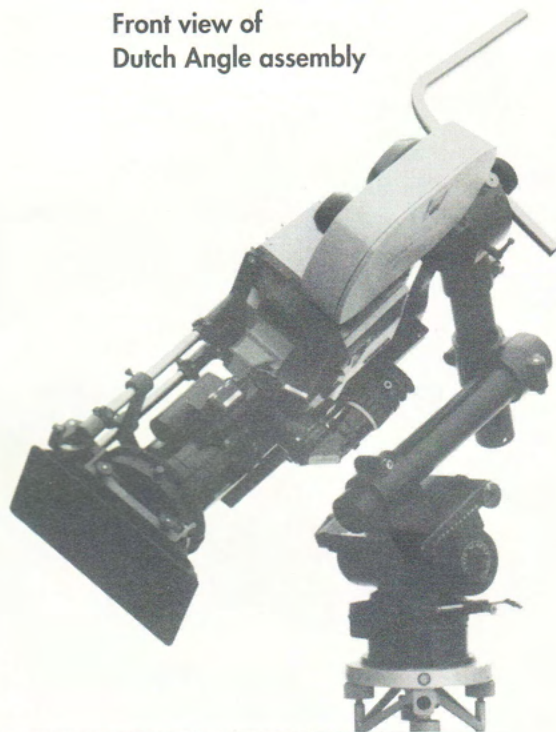
- 1 Mount a conventional head on a dolly or tripod.
- 2 Mount the Dutch Angle Bracket on the conventional head and align the Tube socket with the direction of the lens.
- 3 Install an 18" Tube in the Dutch Angle Bracket so the Tube extends out the back, away from the lens; securely tighten the Allen Screw.
- 4 Install the 90° Bracket on the end of the 18" Tube. Vertically align the empty socket; securely tighten the Allen Screw.

5 Install an 11" or 13" Tube vertically in the 90° Bracket; securely tighten the Allen Screw. Use the 13" Tube for magazine clearance when rolling the Camera Package 360°.

6 Install the Tilt Module with the Drop Bracket facing the direction of the lens; tighten the Allen Screw. Adjust the 90° Bracket where it attaches to the bottom 18" Tube, so the Camera can be moved to a position directly above the pan axis.

7 Install the Lateral Plate on the Drop Bracket; securely tighten the (2) Allen Screws, using the washers provided.

Front view of
Dutch Angle assembly



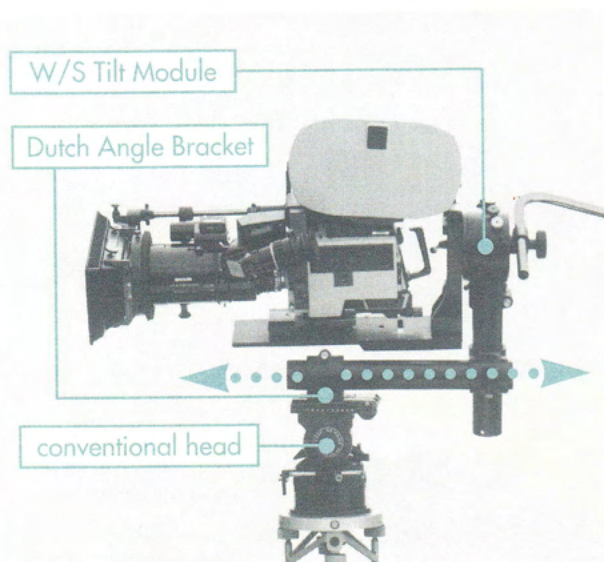
8 Mount the Camera on the Lateral Plate. The Camera Package should be positioned as close as possible to the Drop Bracket.

Note

To mount an Arri with an Arri dovetail on the Lateral Plate, remove the small Allen Screw in the front of the dovetail and slide the Camera on from the front (wrong) end; replace the Allen Screw.

Camera balance adjustments

There are (3) steps required to balance the Camera.

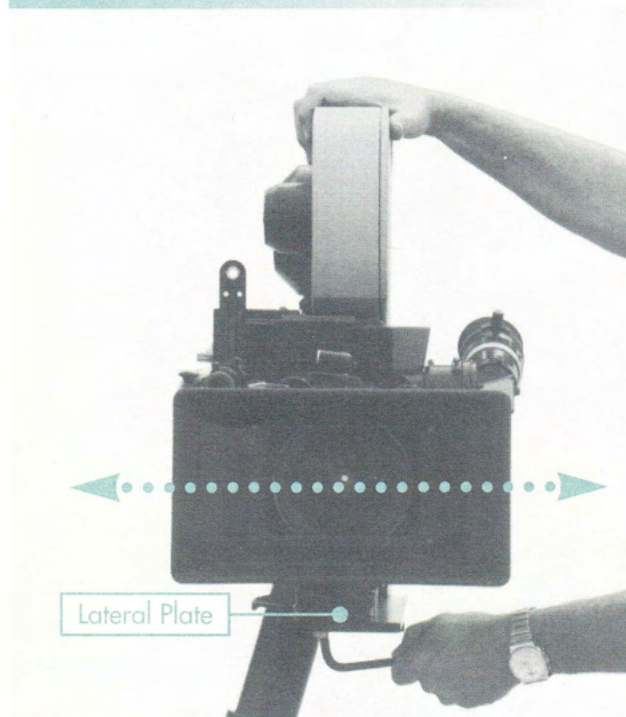


- 1 Adjust the conventional head's tilt balance.** An assistant **must** support the Camera Package as the Dutch Angle Bracket's Tube socket is loosened. Then, slide the 18" Tube to adjust the whole Camera/Roll Assembly so the Camera is positioned slightly forward of the pan axis; securely tighten the Tube socket.

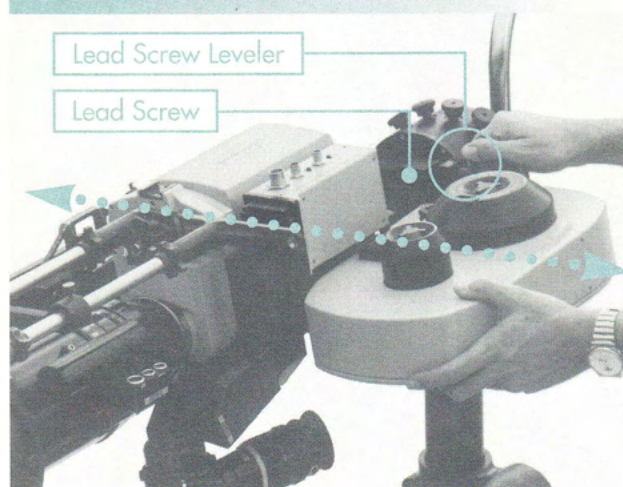
Next, release all drag and spring tension on the conventional head so any balance adjustment required will be more apparent.

Finally, loosen the conventional head's tilt brake and adjust for optimum balance (Sachtler and O'Connor have lead screw adjusters for fine-tuning balance); re-tighten the tilt brake.

- 2 Adjust the W/S Module's lateral balance.** Unscrew all the Module's Knurled Spring Plunger Knobs and release the Brakes. Then, loosen the Camera's Mounting Screws under the Lateral Plate and slide the Camera from side to side until it is in balance; securely tighten the Mounting Screws.



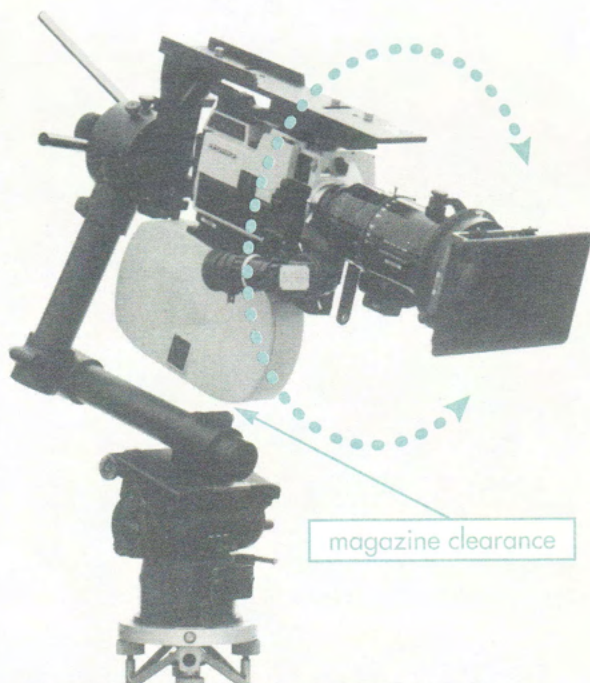
- 3 Adjust the W/S Module's vertical balance.** With Brakes off, roll the Camera over on its side. If the Camera rolls to the right or left, loosen the Drop Bracket's Locking Lever 1/2-turn and adjust the Lead Screw until the Camera remains in balance when released; securely tighten the Locking Lever.



Fine-tuning balance adjustments

1 Fine-tune lateral balance after rolling the Camera back to the upright position. Now, the Camera will come to rest at any angle with drag disengaged.

2 Adjust the vertical Tube for minimum clearance between the Lateral Plate and Dutch Angle Bracket to keep the Camera Package as low as possible. The Camera Package is high, so some spring tension must be used on the conventional head. For 360° rolls, adjust the vertical Tube with the Camera rolled upside down so the magazine clears the Dutch Angle Bracket.



3 Adjust the conventional head's counterbalancing springs, so the Camera will balance in any position between horizontal and an extreme tilt. Be sure to make this adjustment with all drag disengaged.

4 Adjust drag. Adjust drag on the conventional head for the desired response. Then, adjust drag on the W/S Module until it approximates that of the conventional head.

Note

1. Lateral balancing may shift the Camera lens slightly off the exact axis of roll because the Camera body is not in balance with its lens axis. This offset will not affect most shots.

2. The lightest possible Camera Package is recommended for easy setup and smooth operation.