

# ARRI

## ARRIHEAD



### THE REVOLUTIONARY ARRI GEARED HEAD

Geared heads have been a staple technology in motion picture production for many years, contributing in part to the fluid movement so closely associated with the "film look". As films are being shot more and more on difficult locations, demands placed on geared heads have increased. The ARRIHEAD meets these new demands. It features new patented designs for its drive elements and guides, is compact, and most important, stable within a wide range of temperatures.

The ARRIHEAD drive system and guides are new. A patented, precision ground steel chain operates the tilt action which ensures smooth, slack-free action within a wide range of temperature extremes. Previous geared head tilt rail designs required lateral guides to maintain some sense of accuracy. In the patented design of the ARRIHEAD however, the lateral guide is one of the rails itself, again ensuring accuracy over a wide temperature range. This design also distributes the head's weight evenly throughout the mechanism, eliminating the nicking, denting and flat spots on the rails caused during shipping and handling that affect the head's smooth ride.

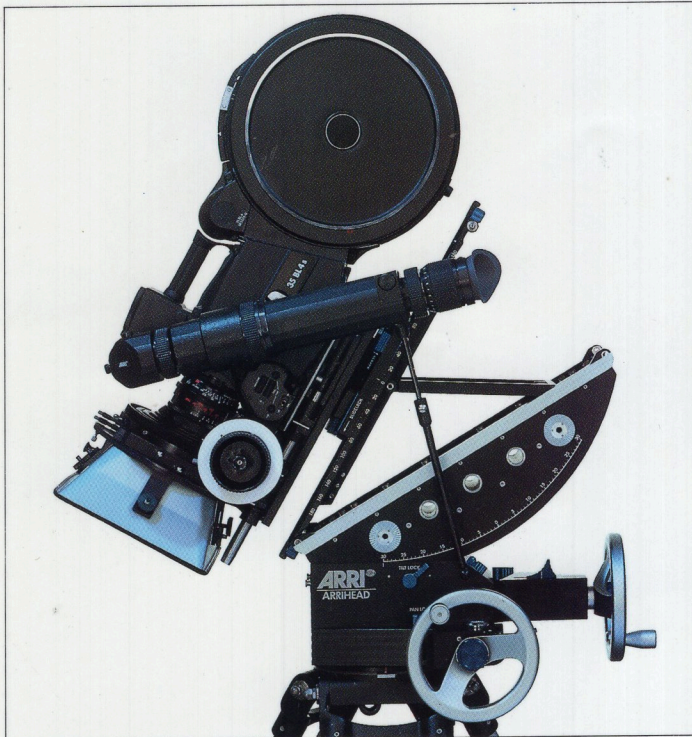
The new ARRIHEAD also has an operator feature that no other head has ever had: a laterally adjustable tilt wheel. This enables the operator to move the tilt wheel from its normal operating position to any outward position within a 38 degree radius. This allows the operator to select the most comfortable working

angle, and permits cameras with rear mounted magazines to clear the tilt wheel in extreme upward tilt positions without having to add an additional riser.

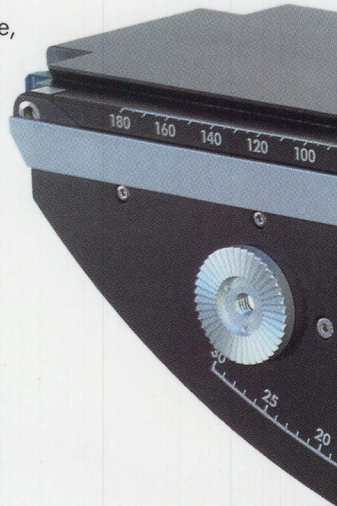
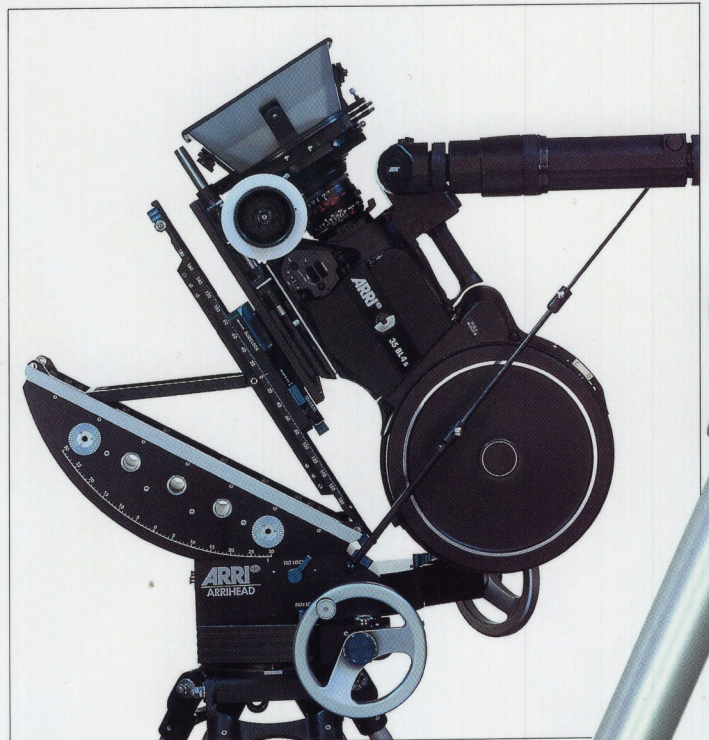
Both tilt and pan incorporate individual positive lock-off brakes in addition to brake friction levers comfortably located within reach near the tilt and pan wheels. The head features 3 operating speeds each for tilt and pan, with neutral in between, plus an additional set of reduction gears for extremely slow operating speeds.

The ARRIHEAD has a built-in removable, double hinged wedgeplate which enables the assistant to reverse camera tilt positions without removing the camera. It also features a removable wheel handle, a self illuminating leveler, a mount for the leveling rod, battery side

Cradle at max. tilt with wedgeplate at 30 degrees.



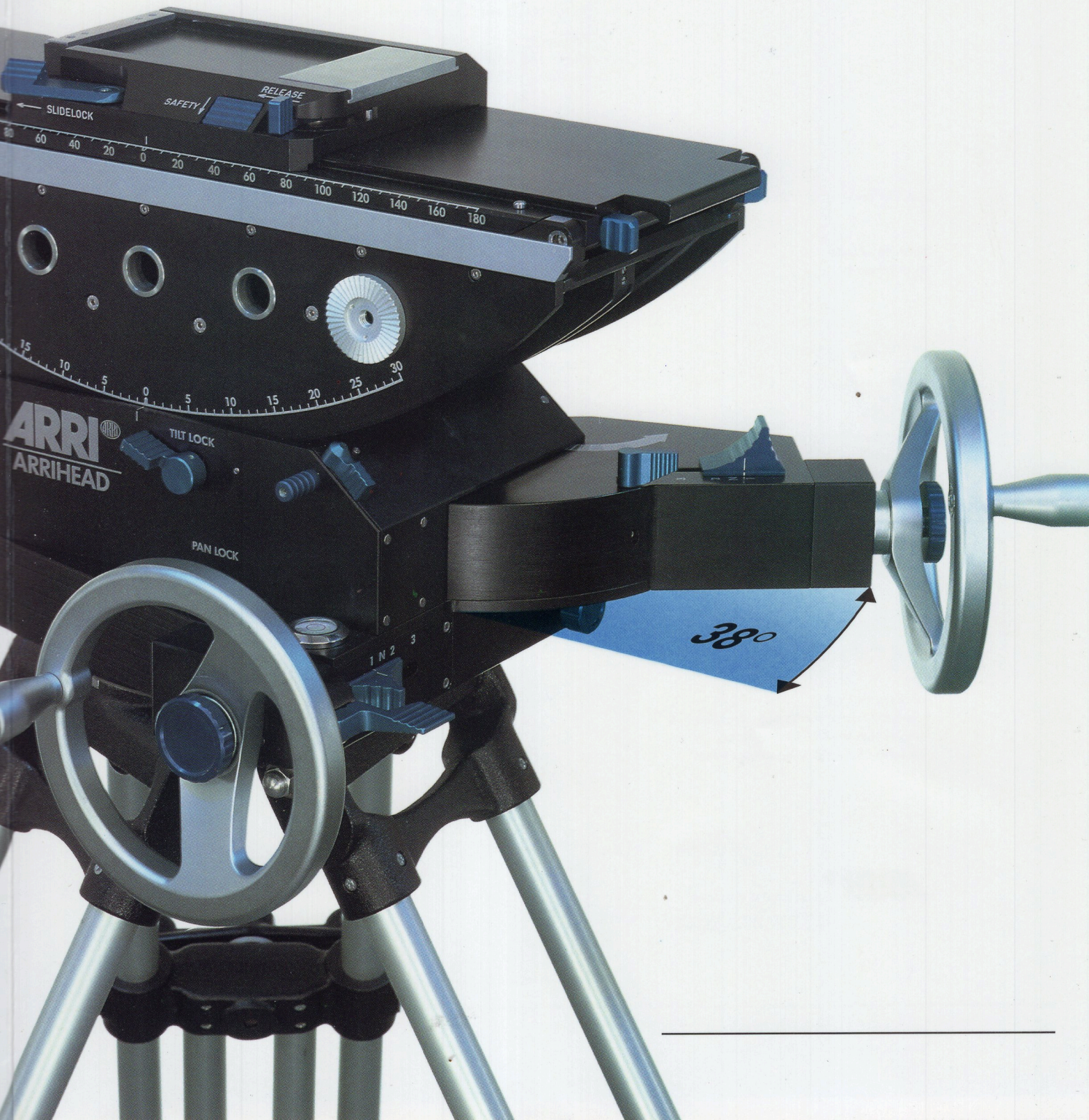
Cradle at max. elevation with wedgeplate at 30 degrees.



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mounting plate for short battery cables, mounting knobs for the traditional camera assistant's accessory box, built-in carrying handles, and interchangeable use of quick release bridgeplate or Arriflex bridgeplate mounting systems.



### Technical Specifications

Tilt Angle . . . . .	+/- 30 degrees w/o wedgeplate. +/- 90 degrees with wedgeplate. Wedgeplate increments are 13, 20, 25, 30, 40, 50 and 60 degrees.
Camera Mounting . . . . .	Sliding quick release bridgeplate. ± 180 mm balance adjustable system. ARRI Bridgeplate System.
Cradle . . . . .	Tilt Drive via precision drive chain/ pulleys, user adjustable tension. V-cradle rails, ball bearings.
Tilt/Pan Drive . . . . .	<u>Tilt</u> Laterally moveable Tilt handle up to 38 degrees to right. Selectable 3 speed gear drive, plus neutral.  <u>Tilt Speeds</u> Slow - 17.5 turns for 60 degree full tilt. Medium - 9.25 turns for 60 degree full tilt. Fast - 4.75 turns for 60 degree full tilt.  <u>Pan Speeds</u> Slow -- 65 turns for full 360 degree pan. Medium - 35.5 turns for full 360 degree pan. Fast - 19 turns for full 360 degree pan.
Lock Off Brakes and Friction Levers . . . . .	<u>Tilt</u> , two individual positive lock off brakes. <u>Pan</u> , single positive lock off brake. NOTE: Lock and Friction Levers located near hand wheels.
Gear Head Base . . . . .	Standard Mitchell.
Miscellaneous . . . . .	Self illuminating level. Removable wheel handle. Dovetail for battery bracket. 2 holding knobs for Accessory Box. Viewfinder support bracket. 4 serrated mounting plates.
Weight . . . . .	With wedge and quick release bridgeplate 19.0 kg, 42.0 lbs. Tilt/pan Wheels 3.6 kg, 7.8 lbs.
Temperature Range . . . . .	- 20 C degrees to + 50 C degrees - 4 F degrees to + 122 F degrees.
Max. Load . . . . .	50 kg, 110 lbs.
Dimensions:	
With handwheels . . . . .	Height 336 mm/13 inch Length 597 mm/24 inch Width 342 mm/13 inch
Without handwheels . . . . .	Height 305 mm/12 inch Length 508 mm/20 inch Width 267 mm/11 inch

### Accessories

- Battery bracket
- Reduction gear for tilt and pan, ratio 1 : 4
- Handwheels with round contour
- Adapter for ARRI bridgeplate system



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