



BOLEX TECHNICAL BULLETIN

PAILLARD Incorporated, 100 Sixth Avenue, New York 13, New York

WIDE SCREEN PROJECTION WITH 16mm BOLEX ANAMORPHIC LENSES

BOLEX 16mm Wide screen films can be projected everywhere because the BOLEX 16mm Anamorphic lens can be mounted on most of the 16mm projectors used by more advanced amateurs, industries, schools, clubs, etc.

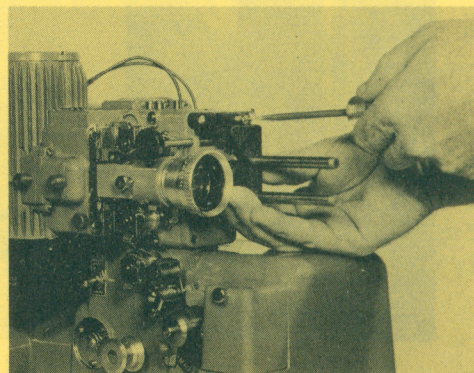
The Anamorphic lens is not mounted directly on the basic projection lens, but on a separate bracket to allow easy and accurate focusing of both the regular projection lens and the Anamorphic lens. Each bracket is supplied with a ring that screws directly on the BOLEX Anamorphic lens. The ring with the lens is held in the bracket by tightening the lock knob on the clamp ring. The Anamorphic lens can be moved forward and backwards on its bracket to allow for different focal length lenses. Lenses with a focal length longer than 30mm and a front lens diameter of less than 32mm can be used. The Anamorphot is moved as close to the basic lens as practical. The distance, however, is not critical. Brackets are available for the following 16mm projectors:

Bell & Howell silent & sound except Statesman	Price: \$28.00	Code: ANBEL	No. 182
RCA sound projectors	28.00	ANRCA	183
Ampro Stylist	28.00	ANAMP	184
Kodak Pageant, Royal & Analyst	28.00	ANKOD	187
Victor sound projectors	28.00	ANVIC	195

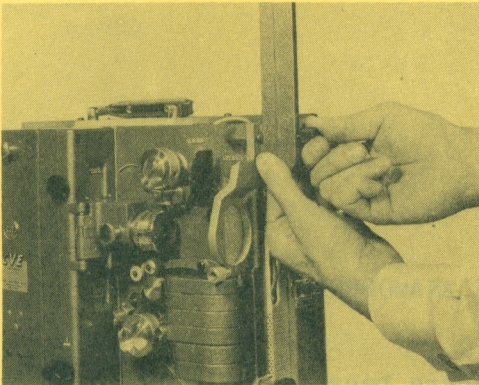
Mounting the brackets is done as follows:

1) Bell & Howell

Remove the two fillister head screws just above the clutch actuating rod. Mount bracket using the two replacement screws.



BELL & HOWELL



RCA

2) RCA

Replace the Upper Reel Arm Securing Bolt with the bolt provided with the bracket. Keep the original securing bolt in the event that the projector will be used without the BOLEX Anamorphic lens and its bracket.

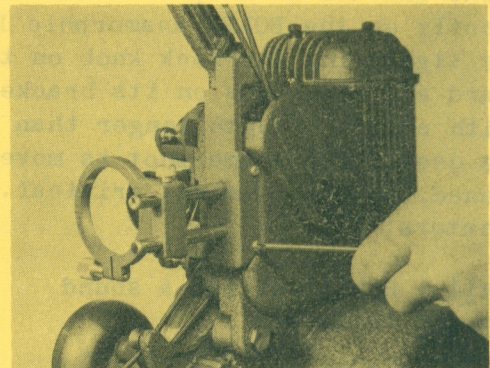
If the projector is used without the Anamorphic lens, the bracket must be removed. This is not necessary on the other projectors listed here.

3) Ampro Stylist

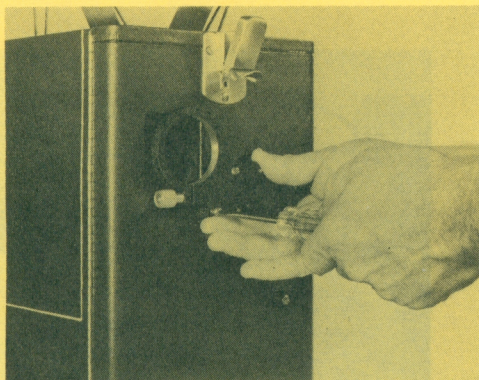
The Ampro Stylist bracket is supported at three points. Before the bracket can be mounted, the two Phillips-head screws (located on the front-left side of the projector head) must be removed. Also, the cap-nut on the upper "reel arm bolt" should be removed.

Hold the bracket in place and secure with the two replacement screws provided with the bracket.

Screw the bolt in the upper reel arm into the mounting bracket. The bracket takes the place of the cap nut.



AMPRO STYLIST



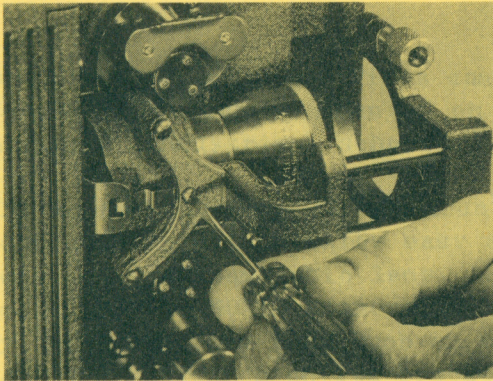
VICTOR

4) Victor

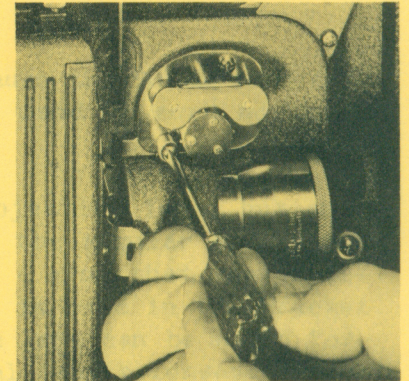
The bracket is not mounted on the projector but in front of the projection port of the projector case. The Anamorphic lens is then several inches away from the regular projection lens which is, however, entirely satisfactory (with 50mm lens). Remove the two screws nearest the projection port and secure the bracket with the two replacement screws provided.

5) Kodak Pageant, Royal & Analyst

Remove the Phillips-head screws and their sleeves which are directly above and below the projector lens housing. (next to sprocket) Also, remove the small screw which holds the spring clip on the projector lens barrel itself. Put the bracket in position and secure with the three replacement screws supplied with the bracket.



KODAK



KODAK

The correct position of the Anamorphot is best checked without film in the projector. Project the aperture of the projector on the screen and see whether the projected picture is absolutely rectangular. If not, turn the Anamorphot in the desired direction. Thread projector, set the focusing scale on the Anamorphic lens for the distance from projector to screen; fine focusing of the projected picture is done on the basic lens. The projected picture will be 50% wider than regular 16mm films. For example, a regular 4' image is widened to 6'.

The size of the projected image using a standard 50mm projection lens is:

<u>Projection Distance</u>	<u>Size of Picture on Screen</u>
10'	17" x 34"
15'	26" x 52"
20'	34" x 68"
25'	41" x 82"
30'	51" x 102"

No special curved screens are necessary for BOLEX wide screen projection. Regular beaded screens are excellent. The most favorable viewing distance is at about twice the width of the projected wide screen picture.