

RANK  
TAYLOR  
HOBSON

# MONITAL ZOOM LENS

for 16mm Cinematography

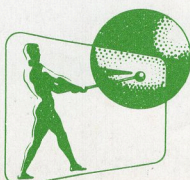
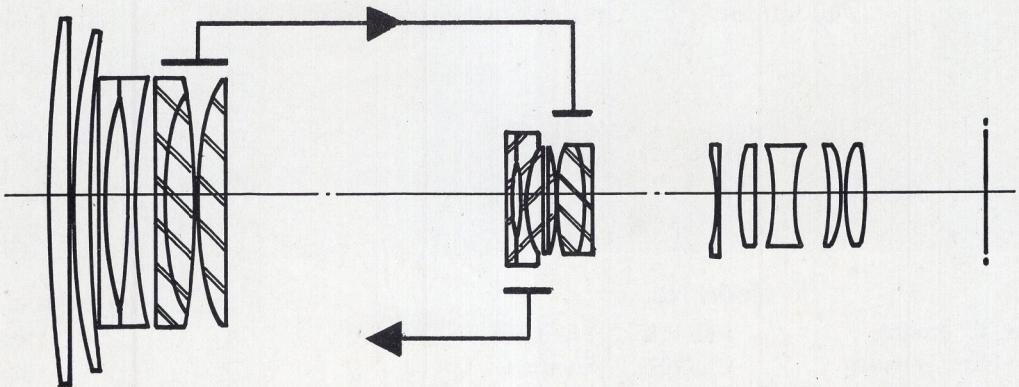
8:1  
f2.7

The 8:1 f/2.7 is one of seven zoom lenses for cinematography offered by Rank Precision Industries. It offers nearly as great a zoom range as the 10:1 at a considerable savings in cost. The 8:1 range is achieved without mechanical compensation and is thus of high mechanical reliability. Accessories and mountings are available for a variety of 16mm motion picture camera systems as listed on the reverse of this sheet.



Rank Precision Industries  
130/114 zoom lens with  
manual controls and 130/  
179 sunshade.

As illustrated below, the opposite movements of the two groups of moving elements are controlled by the rotation of two high precision curves, nearly helical. As the range is only 8:1 a reversal of direction of movement is unnecessary and the curves are nearly helical, resulting in reduced wear and mechanical upkeep.



## RANK PRECISION INDUSTRIES, INC.

### New York

260 N. Rt. 303  
West Nyack, N.Y. 10994  
(914) 358-4450

### Illinois

411 Jarvis Ave.  
Des Plaines, Ill. 60018  
(312) 297-7020

### California

5926 E. Wash. Blvd.  
Los Angeles, Calif. 90040  
(213) 685-8590

### Canada

1111 Finch Ave. W.  
Downsview, Ontario, Canada  
(416) 630-4514

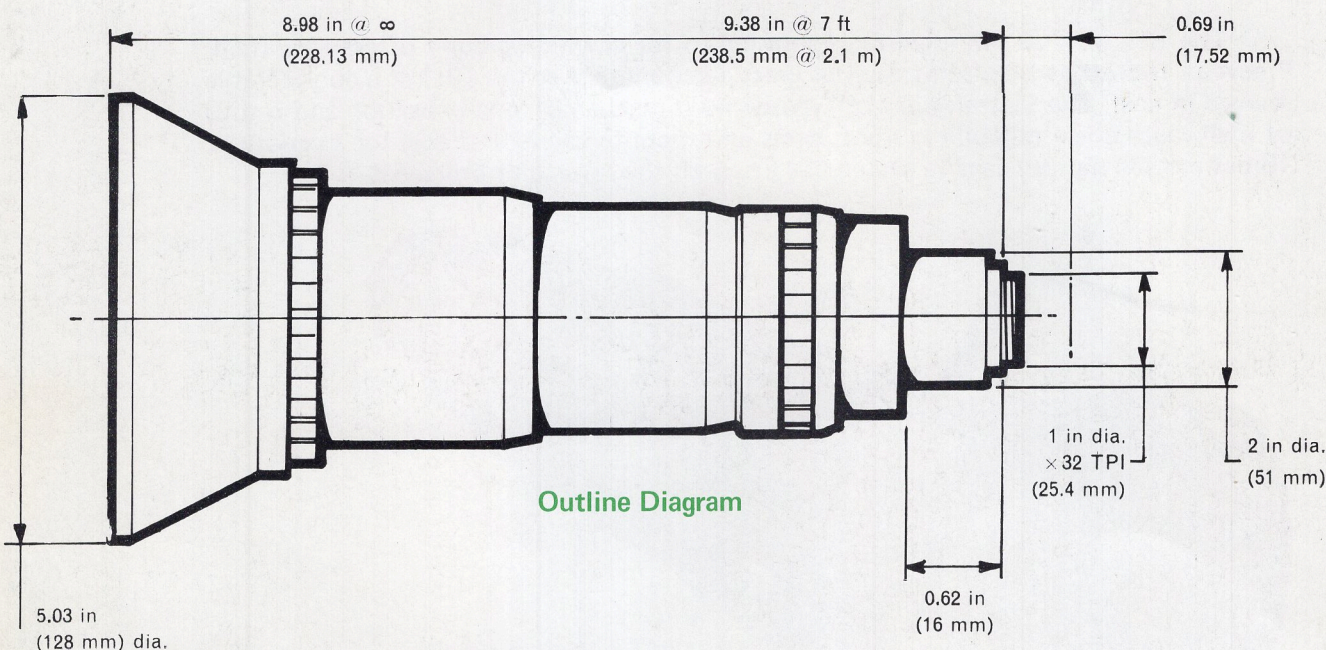
ZOOM LENS FOR 16mm CINEMATOGRAPHY

8:1  
f2.7

# MONITAL MOTION PICTURE ZOOM LENS

8:1 17-130 mm f/2.7 16mm

130/114 Lens with 130/179 sunshade



## OPTICAL SPECIFICATION

## 8:1 f/2.7 Zoom Lens for 16mm Cinematography

	without attachment 130/114	with close-up attachment x 1/2 diopter 130/122	with close-up attachment x 1 diopter 130/121	with macro zoom 130/123
Range of focal length	17-130mm	17-130mm	17-130mm	17-130mm
Max. relative aperture	f/2.7	f/2.7	f/2.7	f/2.7
Approx. angular field of view				
horizontal	34° - 4°30''	34° - 4°30''	34° - 4°30''	34° - 4°30''
diagonal	40° - 4°40''	40° - 4°40''	40° - 4°40''	40° - 4°40''
Object size at min. distance and max. focal length (Picture frame 7.6 mm x 10.4 mm)	100 x 140 mm	50 x 70 mm	30 x 40 mm	8 x 11 mm
Focusing	∞ to 2.11 m	from 2.20 m to 1.16 m	from 1.21 m to 0.86m	390 mm from film 150 mm from front element

	Model No.
17-130 mm f/2.7 Lens in "C" mount	130/114
17-130 mm f/2.7 Lens in "Arri" mount	130/157
17-130 mm f/2.7 Lens in "Arri" 16BL mount	130/158
1/2 diopter closeup attachment	130/122
1 diopter closeup attachment	130/121
Macro-zoom attachment	130/123

	Model No.
Front cap	130/174
Sunshade	130/179
Zoom lever, 1 inch*	130/184
Zoom lever, 5 inch	130/185
Filter holder	130/191

(\*) Levers interchangeable focus and zoom functions as illustrated on reverse of this sheet. Other controls and lens mountings available on request.



RANK PRECISION INDUSTRIES, INC.