



NOVOFLEX Lenses and Attachments



Extension Bellows **A**

Follow Focus
Extension Bellows **B**

Lens Heads for Extension
Bellows A and B

Tripod Rack **C**
(accessory for A and B)

Slide Copying Attachment
(accessory for A and B) **D**

Follow Focus Lenses
Chest and Shoulder Pod
for A, B, E and F **E**

Nesting Tele Lenses **F**

35-mm. Novoflexar for
cameras with Exakta
bayonet or Pentax thread **G**

Automatic Diaphragm **H**

Used with:

35 mm. single-lens-
reflex cameras with
focal plane shutter

A B C D E F G H

2 1/4 x 2 1/4" single-
lens-reflex cameras
with focal plane
shutter

A C D E

16, 9.5 and 8-mm.
Reflex movie cameras

A B C E F

All cameras suitable
for hyperclose-up
photography

C

Copying and
enlarging equipment
as accessory

C

All cameras for
stereo photography

C

Please note that Novoflex equipment type A, B, C, D, E, and F, cannot be used on cameras with central shutters (even single-lens-reflex cameras).

NOVOFLEX

A message to photographers

This folder will acquaint you with the most important Novoflex equipment. It shows the different attachments and describes the principle of each and application possibilities. On the cover – please give this your particular attention – are listed the camera models with which the individual Novoflex equipment can be used and for what purpose. You will get from our folder a general view of our production program and can decide which of our attachments is of particular interest to you. Your photo dealer will be glad to show and explain them to you. Of course, special folders about the various units are available, too. The Novoflex Pocketbook, (please see the note at the bottom of this page), is an excellent guide. It explains, in detail, the use of all the Novoflex equipment.

If you have particularly tricky problems, please contact us directly. Don't forget to mention what camera model you are using. We then can give you the exact information you require without delay.

All Novoflex equipment is designed and constructed with the basic idea of bringing single-lens-reflex still and movie photography, from hyperclose-ups to long distance, to the highest peak of quality. The equipment has proven itself in practice for many years all over the world.

Its design is based on many years of experience. There is a complete line of Novoflex equipment. The number of camera models with which our attachments can be combined is large. In some cases an adapter ring may be required or the appropriate model must be selected; therefore, it is best to consult your dealer who can give you the correct advice for your specific camera and situation.

„NOVOFLEX-Pocketbook“

Published by Focal Press, London, the 191-page book of Friedrich W. Voigt is an extensive work on the entire Novoflex program. It gives practical advice with picture examples, drawings and charts about the use of each Novoflex attachment.

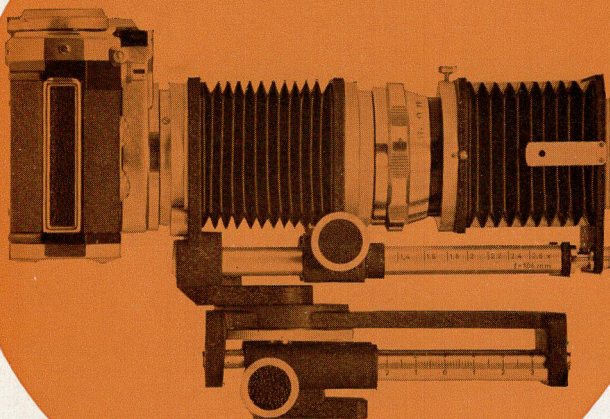
Whether you already own Novoflex equipment or you are thinking of purchasing it, the Novoflex Pocketbook will be an indispensable aid. The book is available at photo stores and costs \$ 3.75.

Extension Bellows

This unit is the ideal equipment for hyperclose-ups (photomacrography) up to 1:1 (natural size) and far beyond that (subject image magnification). The Extension Bellows is mounted between the camera and an interchangeable lens. It increases the lens extension and also is used for focusing.

The continuous focusing on even the minutest subject is easily done with the groundglass, because of the high precision of the Bellows itself. The exposure increase factors, which usually must be calculated, are engraved on the two guide rails of the Bellows and cover several focal lengths. All the photographer has to do is read them. Calculations or special charts are not necessary.

The Extension Bellows comes equipped with appropriate camera and lens threads, of course. For special cases, there are adapter rings. On Extension



Bellows II, a rack with a distance measurement scale is combined rigidly with the unit. A Compendium (special Bellows Lens Hood) can be placed in front of the Bellows for shooting in difficult lighting conditions. The Novoflex Slide Copying Attachment for reproducing transparencies also can be attached to the Bellows. Some models of the Extension Bellows are equipped with a swivel device that permits the camera to be switched to provide pictures with a vertical or horizontal format.

Follow Focus Extension Bellows

This is an unusually versatile combination of Extension Bellows and the Novoflex Follow Focus principle. Small subjects, particularly live ones, can be photographed with this handy unit in horizontal or vertical format. The complete attachment is designed

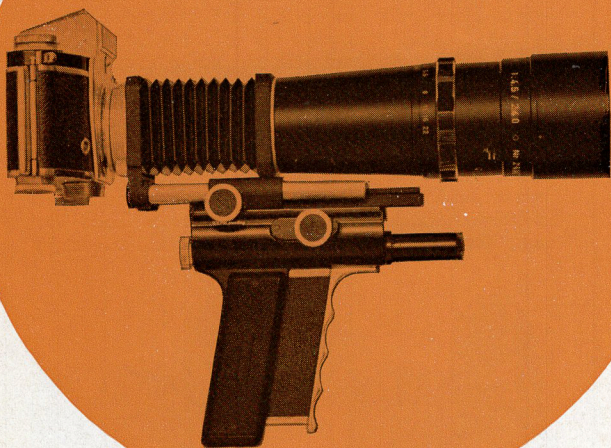
to be focused in an instant. Focusing is continuous with the Bellows and Pistol Grip – the focusing handle doing the “critical focusing”. With the Lens Heads, focusing is done normally only with the Pistol Grip.

The bellows extension is obtained by reading the scale on the unit itself. The exposure increase then is determined in the same way.

The Compendium is used for this attachment also. The attachment and camera can be used on a tripod, if desired.

Lens Heads for Extension Bellows

Extension Bellows and Follow Focus Extension Bellows can be used for more than hyperclose-ups. If the Lens Heads only – not the helical mount – of long focus lenses are used with the Bellows or the Follow Focus Bellows, a distance range from infinity



to close-up can be achieved. The Follow Focus Extension Bellows adds the advantage of speed, because focusing is done with the focusing handle alone.

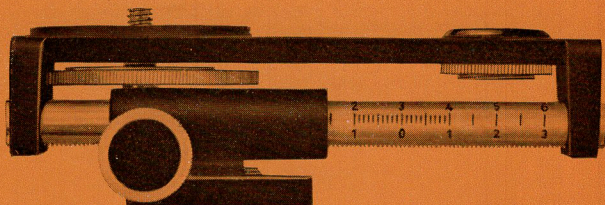
This means a photographer can shoot instantly in all ranges from remote distance to hyperclose-up. When the Extension Bellows is used on a tripod, hyperclose-up photography can be simplified considerably especially since the scale of reproduction is obtainable from the rack.

This photography method is particularly economical. You avoid paying for the expensive helical mounts of long focus lenses and buy only the relatively reasonable Lens Heads. Lens Heads for the Bellows and Follow Focus Extension Bellows are available in focal lengths from 105–240 mm. Appropriate adapter rings are available for various combinations.

Tripod Rack

Focusing is very critical in hyperclose-up photography. Moving the tripod back and forth is inconvenient and awkward. The Novoflex Tripod Rack, combined with the Extension Bellows, is a simple and convenient solution. With this precision instrument, the subject-to-lens distance can be adjusted conveniently, while the setting of the film plane-to-lens distance remains unaltered. On the Follow Focus Extension Bellows the Tripod Rack works the same way.

The Tripod Rack can also be used as an attachment on repro equipment and enlargers, as well as on cameras, for doing hyperclose-up work (i. e. using close-up lenses). In such cases, critical adjustment of the subject-to-lens distance is of great importance. For panorama and stereo pictures, the Tripod Rack is attached sideways under the camera. It has a



setting range of 6.5 cm (average distance between human eyes) which is required for stereo work. A dual scale is engraved on the right guide rod of the rack, of importance when making stereo shots.

Slide Copying Attachment

Duplication of color slides is now possible with this unit and you can have the fun of doing it yourself. The Novoflex Slide Copying Attachment is part of the Extension Bellows system and is placed in front of the lens and the Bellows Lens Hood. With it it is possible to make:

- 1) Black-and-white negatives of color slides;
- 2) Duplicates of color slides;
- 3) Black-and-white transparencies of black-and-white negatives;
- 4) Duplicate negatives of black-and-white negatives.

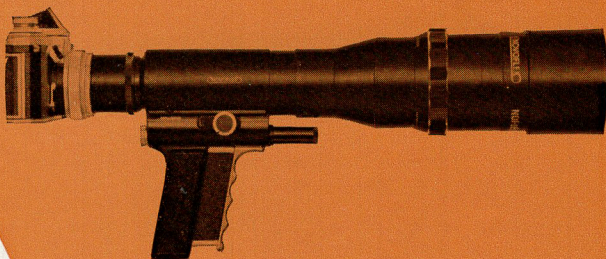
These can be made in the same size as the original or a section can be enlarged. With skill it is possible to produce good color slides even from unsatisfactory originals. The Attachment offers unlimited possibilities for color and black-and-white-duplication.

Follow Focus Lenses

Long lenses ordinarily cannot be hand-held while being used for photography because they are top-heavy. Normally, they must be mounted on a tripod. The Novoflex Follow Focus lenses, however, can be held conveniently and rigidly in the photographer's hands while shooting and can be focused in an instant. The lens moves in the direction of the optical axis when focused with the Pistol Grip. It does not rotate but "glides" smoothly in its position.

Follow Focus Lenses are made in two versions. Lens Heads are available in focal lengths of 240, 300, 400 and 640 mm. for 35-mm. and movie film as well as 240 and 500 mm. for $2\frac{1}{4} \times 2\frac{1}{4}$ " cameras. Of course, only one Pistol Grip is required for the different lens heads.

All pistol grips have swivel mounts for horizontal and vertical camera position. With the 240, 300 and



400-mm Follow Focus Lenses on 35-mm. cameras close-ups also are possible.

Chest and Shoulder Pod

Sharp pictures are possible only when the camera and other equipment can be held steady without the danger of shake. With the Novoflex Chest and Shoulder Pod, a firm grip can be maintained in all picture taking situations.

This accessory has been designed in such a way that the supporting arm always rests on the chest or shoulder, keeping the equipment rock-steady. It is indispensable for your movie camera.

The whole device weighs only $13\frac{1}{2}$ ounces and folded measures only $10 \times 5 \times 1\frac{1}{4}$ ".

Novoflex Attachments and Lenses

Attachments and lenses for hyperclose-up pictures and telephotography are available for all single-lens-reflex cameras with focal plane shutter, for the Leica with a reflex housing and for reflex movie cameras.

It will pay you to examine what Novoflex has to offer before you purchase a longer focal length lens for your camera. To begin with there are four different extension bellows models (varying according to model and camera connection), suitable for hyperclose-up pictures as well as for telephotography.

The following Lens Heads are available for the Novoflex Extension Bellows available in Schneider Kreuznach or Novoflex:

105-mm., f/3.5

135-mm., f/4.5

150-mm., f/4.5

240-mm., f/4.5

Other lenses also are available.

The Extension Bellows is ideal for hyperclose-up photography, for extreme back-lit shots, for duplicating and reversing slides and negatives. For this we supply the Bellows Lens Hood BALSON and the Slide Copying Attachment BALCOP.

For real tele work, wildlife photography and shots from the grandstand, we recommend the well-known Follow Focus Pistol Grip PIGRIFF. Focusing with the Pistol Grip is done so quickly and precisely that moving subjects can be tracked without strenuous effort.

Here again four different focal length lenses can be used:

240-mm., f/4.5 Noflexar N-240

300-mm., f/5.6 Noflexar N-300

400-mm., f/5.6 Noflexar N-400

640-mm., f/9 Noflexar N-640

(the 640-mm. is used with the same iris barrel as the 400 mm.)

Adapter rings are available for 20 different cameras. The Chest Pod PISTOCK permits a photographer to make hand-held pictures with this long lens without camera shake.

Anyone who wants to store his "big gun" in a small carrying case will be interested in the 400-mm., f/5.6 nesting Tele Lens. The N-640 Lens Head also can be used with this lens.

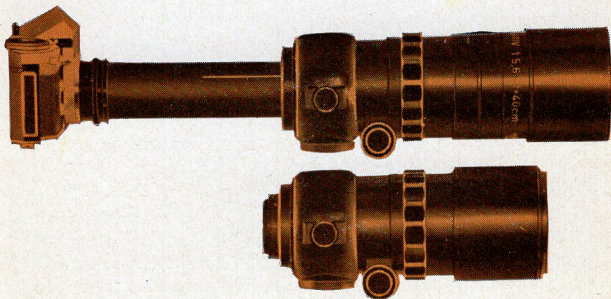
NOVOFLEX Telescopic Tele Lenses

Lenses of extremely long focal length usually are too big, heavy, cumbersome and difficult to carry and last but not least, too expensive. Novoflex has found a perfect solution.

The nesting Novoflex Tele Lenses have been developed from actual experience and they are the result of a lively exchange of ideas with prominent professional and amateur photographers. The aforementioned disadvantages of this type of lens have been almost eliminated. Now everybody can afford a "big gun."

Both Novoflex Tele Lenses 400-mm., f/5.6 and 640-mm., f/9 are unusually light and equipped with highly color-corrected tele objectives. They nest down to 9½" or 7½" (plus ¾ x 6") thus easing the carrying problem. This is possible because both lenses use a common focusing mount and diaphragm into which the lens tube slides.

There is an additional advantage: anyone who already owns the 400-mm. lens needs only the 640-mm. Lens Head. Both tele lenses are focused by means of two knobs, one of which is located on each side underneath the lens body, and which are actuated in the direction of the optical axis. There is no danger of camera shake from the rack-and-pinion movement and it operates even in extremely cold weather.

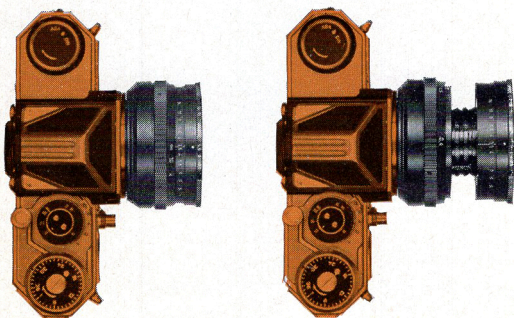


The range of focus is from infinity to 13' with the 400-mm. lens and infinity to 33' with the 640-mm. lens. If a Novoflex Extension Bellows is mounted between either lens and camera, it is possible to obtain large image magnification. With the adjustable cradle the lens can be used in a vertical or horizontal camera position. When the Novoflex Tele Lenses are used with movie cameras a special connection must be used.

The 35-mm., f 3.5 Noflexar

Designed for single-lens-reflex cameras with Exakta bayonet or Pentax thread this lens is a wide-angle with a continuous focusing range from infinity down to $2\frac{3}{4}$ inches (reproduction ratio 1:2) which corresponds to a subject of $2\frac{3}{4}$ " filling the entire format. So-called "Macro" lenses cannot replace a bellows extension device with its large focusing range and variable focal length. But a 35-mm. wideangle is quite justifiably called the most important lens besides the 50-mm. standard lens and if it permits, as the 35-mm. Noflexar does, making close-ups, even without a bellows extension, it is particularly versatile.

With a wide-angle lens one can photograph all of a subject in situations where a longer lens would cover only part of the field or would require more distance between camera and subject than is available, (i. e. in narrow streets, interiors, etc.). Its depth of field and unusual perspective are very useful for special effects when composing the picture. The 35-mm. Noflexar has a focusing range from infinity to 16 inches with the normal helical mount. But in a split-second, it is possible to focus on subjects as close as $2\frac{3}{4}$ inches, just by moving the lens into different click-stop positions. Each click-stop position requires an exposure increase of a $\frac{1}{4}$ -stop. The lens does not require rotation, which permits the photographer to read distance and diaphragm figures conveniently from above. The preselection diaphragm mechanism is closed shortly before the picture is taken, just by the touch of a finger. The lens has — despite the hyperclose-up focusing range,



straight-moving helical mount and built-in lens hood — the dimensions of a normal lens. A special eveready case for the camera is not required. Particularly important, too, are the excellent definition, high brilliance, outstanding color correction and contrast rendition found in all Noflexar lenses.

Technical data:
Filter thread: M 49 x 0.75
Lens diameter: 60 mm.
Length when mounted on camera: 35 mm.
Weight: $6\frac{1}{2}$ ounces

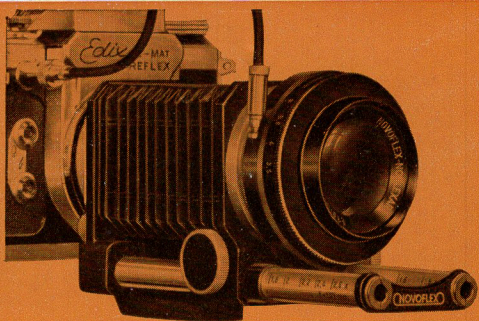
Angle of view: 63°
Number of elements: 4
Preselected diaphragm aperture range: f/3.5 to f/16
Built-in lens hood

NOVOFLEX - Fotogerätebau
8940 Memmingen / Bayern

Automatic Diaphragm

This is now a standard feature of every modern single-reflex camera. Focusing very often is inaccurate with short lenses when they are stopped down. It is even more difficult in hyperclose-up photography. The extended film plane-to-lens distance "absorbs" light. The shallow depth of field requires stopping down to small apertures. In this type of work, an automatic diaphragm is required more than for other types of photography.

We have succeeded in developing an automatic diaphragm for our 105-mm., 135-mm. and 135-mm. Xenar Lens Heads which can also be installed in



our previous lenses (domestic and foreign patents are pending). Just send your lens to us through your photo dealer. We will convert it so that at any bellows extension you can focus with the diaphragm wide open. When you press the dual cable release, the diaphragm closes immediately before the exposure is taken to the preselected f/stop. It reopens automatically after the exposure. For checking depth of field only a touch of the release is required.

Without releasing it is possible to operate the diaphragm manually (click-stops). The linear arrangement of the diaphragm settings is very convenient, even permitting the use of half and quarter f/stops.

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