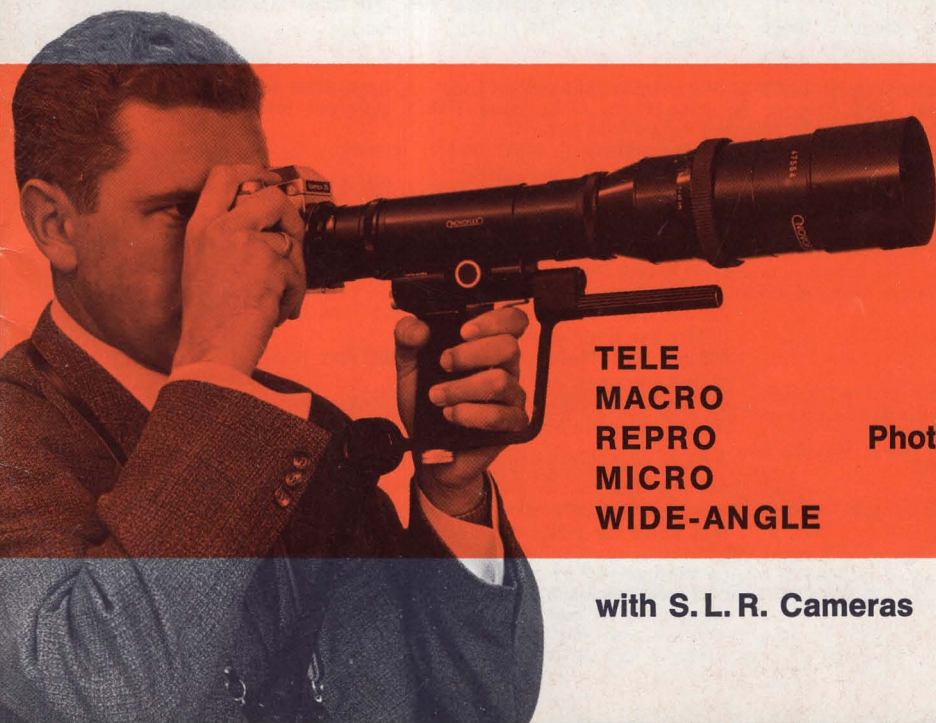
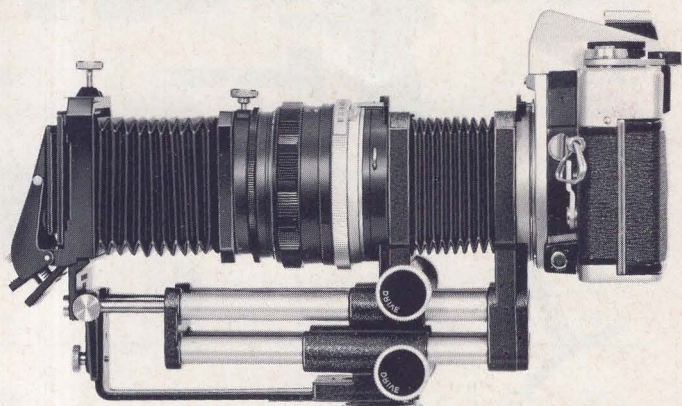


NOVOFLEX

# CATALOGUE

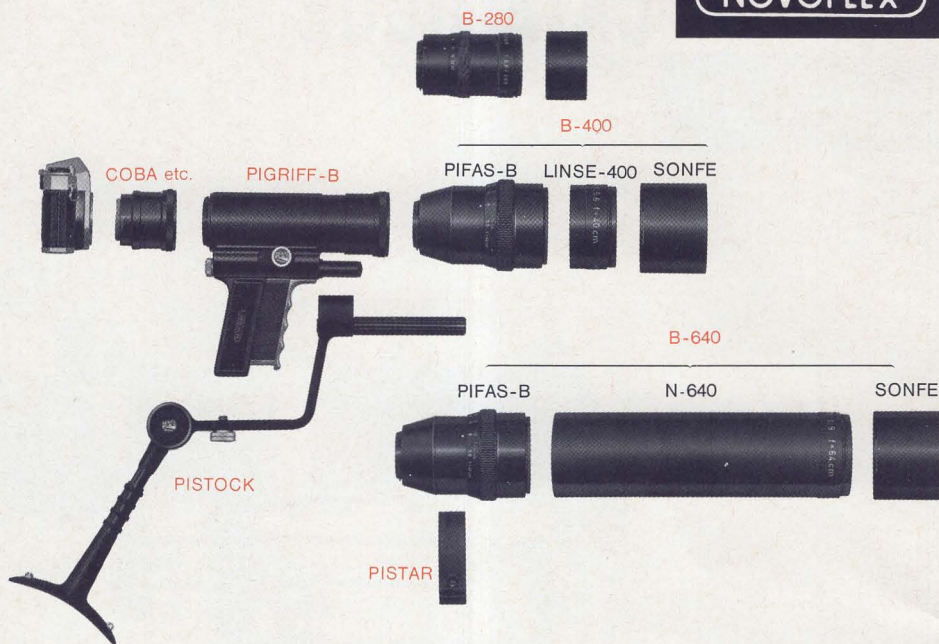
NOVOFLEX



**TELE  
MACRO  
REPRO  
MICRO  
WIDE-ANGLE**

**Photography**

**with S. L. R. Cameras**



## Follow Focus Lenses for 35 mm Cameras

(patented)

**Fast:** Patented pistol grip allows precise split-second focusing, even when subject is fast-moving.

**Versatile:** ONE Trigger Focusing Pistol Grip takes THREE different lenses and fits FORTY cameras. Remarkable focusing range (see page 4).

**Inexpensive:** Prices compare favourably with other quality lenses.

Complete lenses, without accessories: see page 3, 5, 6

### PIGRIF-B

**Trigger Focusing Pistol Grip** with locking knobs for time exposures. Has breech-lock bayonet to accept camera adaptors e.g. COBA, and the three available lenses:

#### B-280

**280 mm f5.6 Novoflexar** incl. bayonet lens hood  
(filters see page 3: FILPI)

#### B-400

**400 mm f5.6 Novoflexar** incl. bayonet lens hood  
(filters see page 3: FILFE)

#### B-640

**640 mm f9.0 Novoflexar** incl. bayonet lens hood  
(filters see page 3: FILFE)

#### LINSE-400

400 mm lens cell (LINSE-400 + PIFAS-B + SONFE = B-400)

#### N-640

640 mm lens cell (N-640 + PIFAS-B + SONFE = B-640)

#### PIFAS-B

barrel with diaphragm for LINSE-400 and N-640

#### SONFE

lens hood for LINSE-400 and N-640

**Camera Adaptors** for PIGRIF-B with swivel mechanism for view and upright pictures (see opposite page). (The code words vary depending on camera mount.)



# Camera Coupling Adaptors COBA etc. and Complete Follow Focus Lenses

Example: COBA = Camera Coupling Adaptor for Pentax and other cameras with  
M 42 x 1 threads  
COPI-400-B = COBA + PIGRIFF-B + B-400

Please note that a Special Bellows Attachment may be used **instead** of COBA etc. (see pages 4-5).  
**SLR MOVIE** Camera owners refer to page 6.

for	Camera Coupling Adaptor	Complete Follow Focus Lenses consisting of Camera Coupling Adaptor, Pistol Grip, Lens with Lens Hood		
		280 mm	400 mm	640 mm
Pentax <sup>1</sup>	COBA	COPI -280-B	COPI -400-B	COPI -640-B
Exakta Twin TL	TWINBA	TWINPI-280-B	TWINPI-400-B	TWINPI-640-B
Konica	KONIBA	KONIPI-280-B	KONIPI-400-B	KONIPI-640-B
Minolta SR	MINBA	MINPI -280-B	MINPI -400-B	MINPI -640-B
Miranda	MIRBA	MIRPI -280-B	MIRPI -400-B	MIRPI -640-B
Rolleiflex SL-35	ROLBA	ROLPI -280-B	ROLPI -400-B	ROLPI -640-B
Topcon SR <sup>4</sup>	IXBA	IXPI -280-B	IXPI -400-B	IXPI -640-B
Alpa	ALBA	ALPI -280-B	ALPI -400-B	ALPI -640-B
Canon	CANBA	CANPI -280-B	CANPI -400-B	CANPI -640-B
Contarex	REXBA	REXPI -280-B	REXPI -400-B	REXPI -640-B
Exakta, Exa II <sup>3</sup>	AUXBA	AUXPI -280-B	AUXPI -400-B	AUXPI -640-B
Icarex BM	ICABA	ICAPI -280-B	ICAPI -400-B	ICAPI -640-B
Leica + Visoflex II/III	VISBA	VISPI -280-B	VISPI -400-B	VISPI -640-B
Leicaflex <sup>2</sup>	LEBA <sup>2</sup>	LEPI -280-B <sup>2</sup>	LEPI -400-B <sup>2</sup>	LEPI -640-B <sup>2</sup>
Nikon	NIKBA	NIKPI -280-B	NIKPI -400-B	NIKPI -640-B
Petriflex	PEBA	PEPI -280-B	PEPI -400-B	PEPI -640-B
Praktina	PRABA	PRAPI -280-B	PRAPI -400-B	PRAPI -640-B
Zenit with Leica threads	ZENBA	ZENPI -280-B	ZENPI -400-B	ZENPI -640-B

<sup>1)</sup> and other cameras with M 42 x 1 threads  
(see table)

<sup>2)</sup> for Leicaflex-**SL** please add SL, e.g. LEBA-SL,  
LEPI-SL-280-B

<sup>3)</sup> with exterior Exakta bayonet mount

<sup>4)</sup> and for Mamiya Reflex (FP) with  
interior Exakta bayonet mount

## Accessories

### PISTOCK

**Chest pod** prevents camera movement without limiting flexibility.  
Strongly recommended for use with 400 mm and 640 mm lenses.

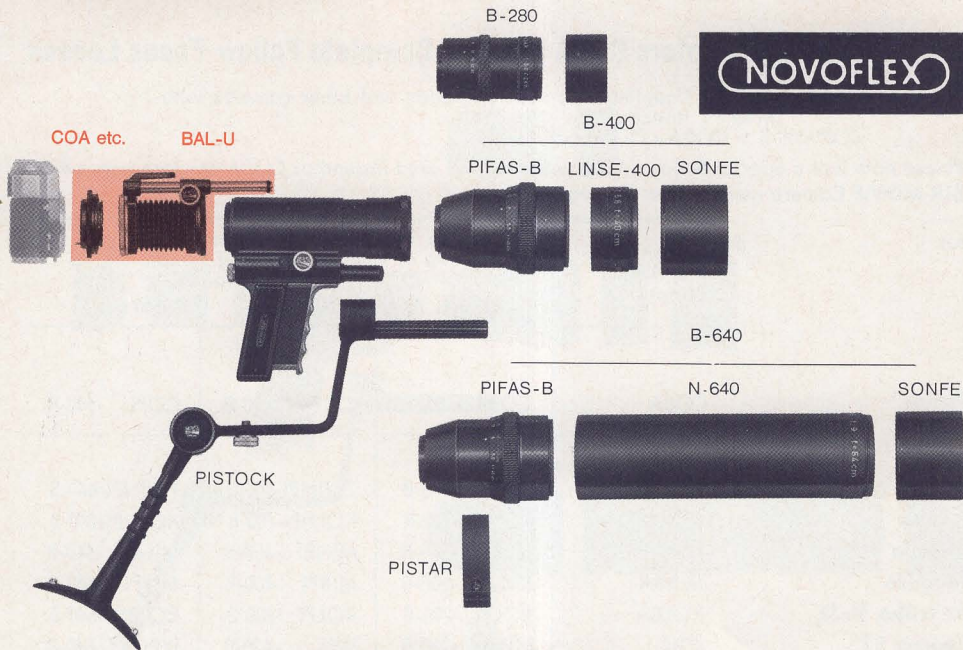
### PISTAR

**Tripod Clamp Ring** fits around 400 mm and 640 mm lenses. For use  
with conventional tripods

**Filters**, both surfaces coated (please specify colour, e.g. FILPI-R 1.5 =  
FILPI-SKYLIGHT):

**FILPI**  
**FILPI-R**  
**FILPI-B**  
**FILFE**  
**FILFE-R**  
**FILFE-B**

for B-280 (and LEINO-200 page 11, N-200 page 19)  
for B-280, R 1.5, R 3, R 6 for warmer colour rendition  
for B-280, B 1.5, B 3, B 6 for cooler colour rendition  
for B-400 and B-640  
for B-400 and B-640 (tints, see above)  
for B-400 and B-640 (tints, see above)



## Special Bellows BAL-U

### BAL-U

**Special Bellows BAL-U** for use with PIGRIFF-B and camera adaptors COA etc. for frame-filling shots of smaller subjects like small birds (see table below), swivel mechanism for view and upright pictures. Guide rails with exposure factors for close-ups (with 280 mm lens at full extension, 2 times; with 400 m lens at full extension, 1.5 times). Quick-change bayonets for pistol grip PIGRIFF-B and for camera adaptors -A (not -BA).

### COA etc.

**Camera Adaptors** (see page 5, also for complete Follow Focus lenses with Special Bellows)

### PRALEI

Adaptor for use of BAL-U with screw-thread pistol grips of earlier design (focusing up to infinity only with 300 mm and longer lenses).

Using code words, please note the difference

COA etc. (page 5), COBA etc. (page 3)

COPI-400-U (page 5), COPI-400-B (page 3)

### Focusing Ranges of the Novoflex Follow Focus Lenses

Focal length	with	Focusing Range	Ratio of Reproduction	Size of subject, frame-filling
280 mm	PIGRIFF-B	4.2 m - ∞		
280 mm	+ BAL-U	1 m - ∞	0.4 times	6 x 9 cm
400 mm	PIGRIFF-B	8.2 m - ∞		
400 mm	+ BAL-U	1.8 m - ∞	0.3 times	8 x 12 cm
640 mm	PIGRIFF-B	19 m - ∞		
640 mm	+ BAL-U	4.2 m - ∞	0.17 times	14 x 21 cm



# Camera Adaptors COA etc. for BAL-U and Complete Follow Focus Lenses with Special Bellows BAL-U

Example: COA = Camera Adaptor for BAL-U (also for BALCAST, BAL-S, page 8-9)  
COPI-400-U = COA + BAL-U + PIGRIFF-B + B-400

## Please note difference:

COA etc. = adaptor for use of PIGRIFF-B **with** BAL-U (see below)

COBA etc. = adaptor for use of PIGRIFF-B without BAL-U (see page 2-3)

COPI-280-U = Complete Pistol Grip Lens **with** BAL-U (see below)

COPI-280-B = Complete Pistol Grip Lens **without** BAL-U (see page 2-3)

for	Camera Adaptor	Complete Follow Focus Lenses consisting of BAL-U with Camera Adaptor, Pistol Grip, Lens with Lens Hood		
		280 mm	400 mm	640 mm
Pentax <sup>1</sup>	COA	COPI -280-U	COPI -400-U	COPI -640-U
Exakta, Exa II <sup>3</sup>	AUXA	AUXPI -280-U	AUXPI -400-U	AUXPI -640-U
Exakta Twin TL	TWINA	TWINPI-280-U	TWINPI-400-U	TWINPI-640-U
Konica	KONIA	KONIPI-280-U	KONIPI-400-U	KONIPI-640-U
Leicaflex <sup>2</sup>	LEA <sup>2</sup>	LEPI -280-U <sup>2</sup>	LEPI -400-U <sup>2</sup>	LEPI -640-U <sup>2</sup>
Minolta SR	MINA	MINPI -280-U	MINPI -400-U	MINPI -640-U
Miranda	MIRA	MIRPI -280-U	MIRPI -400-U	MIRPI -640-U
Nikon	NIKA	NIKPI -280-U	NIKPI -400-U	NIKPI -640-U
Praktina	PRAA	PRAPI -280-U	PRAPI -400-U	PRAPI -640-U
Rolleiflex SL-35	ROLA	ROLPI -280-U	ROLPI -400-U	ROLPI -640-U
Topcon SR <sup>4</sup>	IXA	IXPI -280-U	IXPI -400-U	IXPI -640-U
Zenit with Leica threads	ZENA	ZENPI -280-U	ZENPI -400-U	ZENPI -640-U
Alpa	ALA	ALPI -280-U	ALPI -400-U	ALPI -640-U
Canon	CANA	CANPI -280-U	CANPI -400-U	CANPI -640-U
Contarex	REXA	REXPI -280-U	REXPI -400-U	REXPI -640-U
Icarex BM	ICAA	ICAPI -280-U	ICAPI -400-U	ICAPI -640-U
Petriflex	PEA	PEPI -280-U	PEPI -400-U	PEPI -640-U

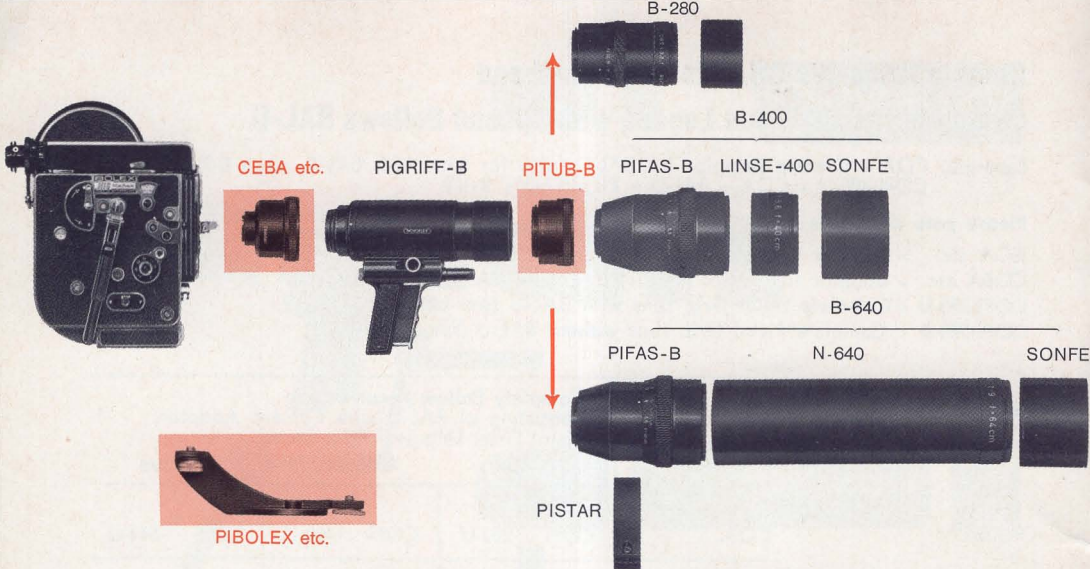
<sup>1)</sup> and other cameras with M 42 x 1 threads (see table)

<sup>2)</sup> for Leicaflex-SL please add SL, e.g. LEA-SL, LEPI-SL-280-U

<sup>3)</sup> with exterior Exakta bayonet mount

<sup>4)</sup> and for Mamiya Reflex (FP) with interior Exakta bayonet mount  
**Leica + Visoflex** may be used with the Special Bellows for close-ups only, **not** up to infinity.

**Movie Cameras** requiring a cradle support (page 6) are **not** suitable for Special Bellows.



## Follow Focus Lenses for MOVIE Cameras (patented)

### Camera Adaptors CEBA etc.

for Arriflex  
movie cameras with D mount  
movie cameras with C mount  
Camex\*

**Extension Tube**, necessary for all movie cameras, except Camex

**Cradle Support**  
for Beaulieu 16 mm

Bolex Reflex  
Pathé Webó

No Cradle Support is necessary for Arriflex, Beaulieu 8 mm and Super 8, Camex.

## Complete Follow Focus Lenses for MOVIE Cameras

### Arriflex

280 mm (B-280 + PIGRIFF-B + PITUB-B + ARBA)

400 mm (B-400 + PIGRIFF-B + PITUB-B + ARBA)

640 mm (B-640 + PIGRIFF-B + PITUB-B + ARBA)

### Beaulieu 8 mm

280 mm (B-280 + PIGRIFF-B + PITUB-B + DEBA)

400 mm (B-400 + PIGRIFF-B + PITUB-B + DEBA)

640 mm (B-640 + PIGRIFF-B + PITUB-B + DEBA)

### Beaulieu Super 8

280 mm (B-280 + PIGRIFF-B + PITUB-B + CEBA)

400 mm (B-400 + PIGRIFF-B + PITUB-B + CEBA)

640 mm (B-640 + PIGRIFF-B + PITUB-B + CEBA)

### Beaulieu 16 mm

280 mm (B-280 + PIGRIFF-B + PITUB-B + CEBA + PIBEA-16)

400 mm (B-400 + PIGRIFF-B + PITUB-B + CEBA + PIBEA-16)

640 mm (B-640 + PIGRIFF-B + PITUB-B + CEBA + PIBEA-16)

### Bolex Reflex 8 and 16 mm

280 mm (B-280 + PIGRIFF-B + PITUB-B + CEBA + PIBOLEX)

400 mm (B-400 + PIGRIFF-B + PITUB-B + CEBA + PIBOLEX)

640 mm (B-640 + PIGRIFF-B + PITUB-B + CEBA + PIBOLEX)

### Pathé Webó

280 mm (B-280 + PIGRIFF-B + PITUB-B + CEBA + PIWEOB)

400 mm (B-400 + PIGRIFF-B + PITUB-B + CEBA + PIWEOB)

640 mm (B-640 + PIGRIFF-B + PITUB-B + CEBA + PIWEOB)

### Camex Reflex\*

280 mm (B-280 + PIGRIFF-B + COBA)

400 mm (B-400 + PIGRIFF-B + COBA)

640 mm (B-640 + PIGRIFF-B + COBA)

\*) used with an "Adaptor for Praktica/Pentax lenses" supplied by the Camex representation in Germany.

ARBA  
DEBA  
CEBA  
COBA\*  
PITUB-B

PIBEA-16  
PIBOLEX  
PIWEOB

ARPI-280-B  
ARPI-400-B  
ARPI-640-B

BEAPI-8-280-B  
BEAPI-8-400-B  
BEAPI-8-640-B

BEAPI-S-280-B  
BEAPI-S-400-B  
BEAPI-S-640-B

BEAPI-16-280-B  
BEAPI-16-400-B  
BEAPI-16-640-B

BOLPI-280-B  
BOLPI-400-B  
BOLPI-640-B

WEBPI-280-B  
WEBPI-400-B  
WEBPI-640-B

COPI-280-B  
COPI-400-B  
COPI-640-B

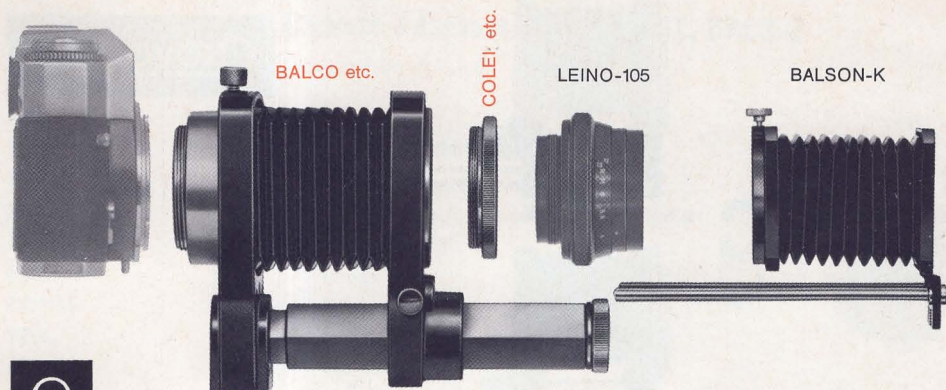




BALCO  
BALCAN  
BALIX  
BALMIN  
BALNIK-FTN  
BALZEN

COLEI  
CANLEI-K  
EXLEI-K  
MINLEI-K  
COCO-O

NIKLEI-K



## Bellows for the Economy Budget

Yet as solid and precise as all other **Novoflex** extension bellows variable bellows extension for macro photographs with camera lenses. Camera may be swivelled for view and upright pictures. Camera and camera lenses fit direct, without adaptors. Almost unlimited scope used with

**Lens Heads** for focusing from close-up to infinity (see pages 10 – 11)

**Adaptors** for use of the lens heads (see below)

**Bellows lens hood** BALSON-K (see page 14)

**Slide Copying Device** BALCOP-PK (see page 14)

**Focusing Tripod Rack** CASTEL (see page 8)

**Bellows Model I** for

Pentax, Praktica, Edixa and other cameras with threads M 42 x 1

Canon

Exakta, Exa II, Topcon SR, RE, Mamiya Reflex (FP)

Minolta SR

Nikon

Zenit (with Leica threads)

**Adaptors** for use of Leica thread lenses (e.g. on page 10 – 11) with

BALCO

BALCAN

BALIX

BALMIN

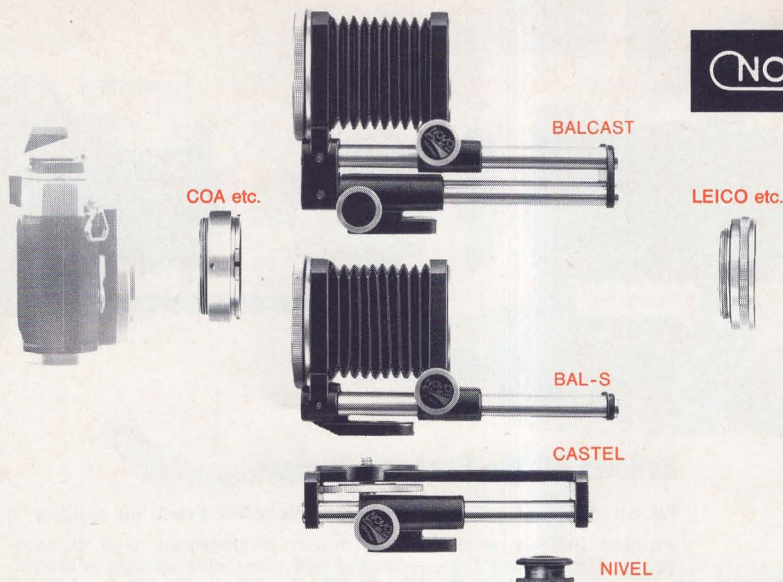
Adaptor for use of Edixa/Praktica/Pentax/Yashica lenses that have no socket for cable release

BALNIK-FTN

**Compact Bellows Kit** for Pentax, Praktica, Edixa etc.

selected by experts for hyper close-ups (0.97 : 1 to 2.3 : 1) with the 50 mm camera lens and 0.69 : 1 to infinity with the 105 mm lens head, consisting of BALCO, COLEI + LEINO-105 (105 mm 1:4 Noflexar lens head)

Similar kits may be assembled with the above components for other cameras, too.



## Universal Bellows Interchangeable with Different Cameras — Tripod Racks

### BALCAST

#### Bellows Model II

breech-lock bayonet mount accepting interchangeable camera adaptors (page 9), swivel mechanism for view and upright pictures. Leica thread in front accepts directly 60 mm (page 14–15), 105 mm – 240 mm lens heads (page 10–11). Adaptors for other lenses. Built-in tripod rack.

Length of all Novoflex bellows (Minimum extension 4 cm, Maximum extension 13 cm) has been calculated so that a maximum focusing range is obtained with just the normal camera lens (50 mm–58 mm) and a lens head (preferably 105 mm) focusing from close-up to infinity (page 10–11). At full bellows extension with a 50 mm lens magnification is approx. 3 times. At f16 depth of field is less than 2 mm which proves that the possibilities of magnification reach up to the very limits of photomacrography. (Use of a wide-angle lens with bellows for up to 5 times magnification on film, see page 16.)

### BAL-S

#### Extension Bellows Model S

same as above but without tripod rack. The latter is available separately:

### CASTEL

#### Tripod Rack

greatly facilitates focusing whenever a tripod or repro stand is used in macro and close-up photography. Also for slide-copying with BALCOP-K (see page 14–15). The tripod rack is a must in photomacrography when there is often only 1 mm difference between sharp and unsharp, too little to be corrected by moving the tripod.

CASTEL may be used also for stereoscopic pictures of nonmoving subjects, including stereoscopic close-ups that cannot be achieved by any other means.

CASTEL fits any camera with a tripod thread.

### NIVEL

#### Spirit Level

fits into CASTEL. Enables operator to keep the horizon absolutely horizontal in stereoscopic pictures with landscapes as a background.



## Camera Adaptors for BALCAST, BALS-S

(same as for BAL-U)

ALA  
CANAL  
REXAL  
IXAL  
TWINAL  
ICAA  
KONIAL  
VISAL  
LEAL  
LEA-SL  
MINAL  
MIRAL  
NIKAL  
COAL  
PEAL  
PRAAL  
ROLAL  
ZENAL

for Alpa  
Canon  
Contarex  
Exakta, Exa II, Topcon, Mamiya Reflex  
Exakta TWIN TL  
Icarex BM  
Konica  
Leica + Visoflex II/III  
Leicaflex  
Leicaflex-SL  
Minolta  
Miranda  
Nikon  
Pentax and other cameras with M 42 x 1 threads  
Petriflex  
Praktina  
Rolleiflex SL-35  
Zenit

ARAL  
DEAL  
CEAL

for Movie cameras  
Arriflex  
with D-mount  
with C-mount

## Adaptors for Use of Camera Lenses with BALCAST, BAL-S

(No adaptor required for lens heads 60 mm (page 15), 105 mm – 240 mm (page 11) and other lenses having Leica threads)

LEICAN  
LEICO  
LEICO-D

for Canon lenses  
for Pentax and other lenses with M 42 x 1 threads  
same, but replacing LEICO when these lenses have a socket for cable releases

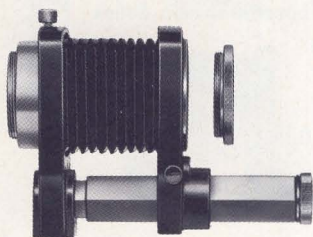
LEIEX  
LEI-M  
LEI-F  
LEI  
LEIHEK  
LEIEL  
LEIMIN  
LEIMIR-B  
LEINIK  
LEIPRA  
LEIAR  
LEICE

for lenses with Exakta bayonet mount (Topcon, Mamiya etc.)  
for Leica lenses with bayonet mount  
for Leicaflex lenses  
for 125 mm f2.5 Leitz Hektor lens head  
for 135 mm Leitz Hektor or Elmar lens head  
for 90 mm Leitz Elmar or Elmarit lens head  
for Minolta lenses  
for Miranda lenses  
for Nikon lenses  
for Praktina lenses  
for Arriflex lenses  
for C-mount movie camera lenses

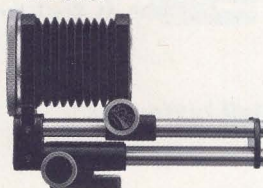
NOVOFLEX

BALCO etc.

COLEI etc.

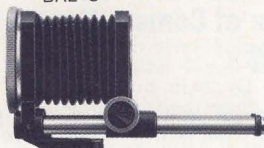


BALCAST



COA etc.

BAL-S



NORING



LEINO-105



LEINO-A-105



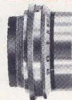
LEINOX



LEINO-A-135



LEIXEAL



LEIXEAL-A



LEIXIAN



LEINO-200

LEIAN



N-200



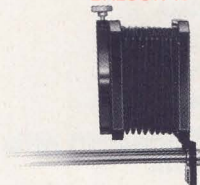
LEITELAR



AKAB



BALSON-K



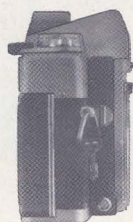


## Lens Heads for Use with **BALCAST, BAL-S, BALCO etc.**

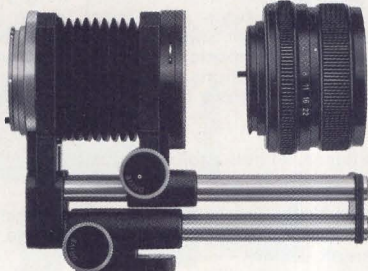
(adaptor COLEI etc., page 7, is required for use with Bellows I)

Quality lenses at low prices, because no helical mounts are required. The bellows provide very wide focusing ranges (see table, also for any other technical data). Long focal length lens heads make frame-filling shots of small subjects possible without approaching the subject too closely (important for taking pictures of shy insects etc.), avoid ugly deformations, disturbing backgrounds, or fence wires in the foreground bring the subjects closer across fences or other obstacles.

<b>LEINO-105</b>	<b>105 mm f4 Noflexar</b> , milled rubber diaphragm setting ring, length 29 mm
<b>LEINO-A-105*</b>	<b>105 mm f4 Auto-Noflexar</b> , preset auto-diaphragm (with lever for manual use) released with a double cable release (e.g. with AKAB, see below), length 29 mm
<b>LEINOX</b>	<b>135 mm f4.5 Novoflex Xenar</b> , milled rubber diaphragm setting ring, length 39 mm
<b>LEINO-A-135*</b>	<b>135 mm f4.5 Auto-Noflexar</b> , preset auto-diaphragm (with lever for manual use) released with a double cable release (e.g. with AKAB, see below), length 24 mm
<b>LEIXEAL</b>	<b>135 mm f4.5 Xenar</b> , length 26 mm
<b>LEIXEAL-A*</b>	<b>135 mm f4.5 Auto-Xenar</b> , preset auto-diaphragm (with lever for manual use) released with a double cable release (e.g. with AKAB, see below), length 26 mm
<b>LEIXIAN</b>	<b>150 mm f4.5 Xenar</b> , length 29 mm
<b>LEIXUR</b>	<b>180 mm f4.5 Xenar</b> consisting of:
XUR	180 mm f4.5 Xenar lens head, see ill. page 19
LEIXURRING	Leica thread adaptor for XUR
<b>LEINO-200</b>	<b>200 mm f4 Noflexar</b> incl. bayonet lens hood, length 14.3 cm, consisting of:
N-200	200 mm f4 Noflexar lens head
LEIAN	Leica thread adaptor for N-200
<b>LEITELAR</b>	<b>240 mm f 5,5 Tele-Arton</b> , length 72 mm
<b>*) AKAB</b>	<b>Double Cable Release</b> for LEINO-A-105, LEINO-A-135, LEIXEAL-A
AKABEL	Cable release adaptor for use of AKAB with Edixa and screw-thread Leica cameras
<b>NORING</b>	<b>24 mm extension tube</b> with Leica threads. Can be used to increase extension of the bellows to obtain larger reproduction ratios (see table).
<b>BALSON-K</b>	<b>Bellows Lens Hood</b> , best protection against stray light, light reflexions and water splashes. Can be used with bellows I, BALCAST, BAL-S and lens heads 60 mm – 150 mm (42 mm slip-on diameter). For 50–58 mm camera lenses with other diameters we supply M-ring adaptors. See pages 14 - 15, also for slide-copying.
	<b>60 mm lens head</b> for slide-copying etc., see pages 14 - 15
	<b>35 mm Macro-Noflexar</b> see page 16
	<b>Lens Hoods</b> for 180 mm, 240 mm are <b>not</b> supplied by us
	<b>Filters</b> for 200 mm, see page 3. No other filters are supplied by us. Filters and lens hoods are available from other manufacturers through your dealer.

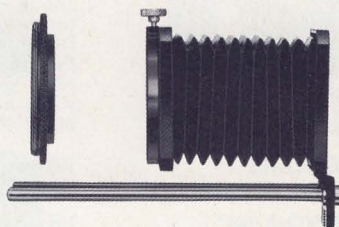


BALCO-A etc.



ACO-105 etc.

M 52



BALSON-AK

## Bellows with Automatic Diaphragm Releasing and Built-in Tripod Rack

(no double cable release required)

**Permits focusing on bright ground glass at full aperture:**

for Pentax and other cameras with M 42 x 1 threads

**The diaphragm re-opens automatically after exposure:**

for Nikon

for Canon

for Topcon

**The exposure time measured at full aperture is correct for any pre-selected smaller f-stop:**

Minolta SRT

Miranda

BALCO-A

BALNIK-A  
BALCAN-A  
BALTOP-A

BALMIN-AS  
BALMIR-A

BALKONI-A

Konica Autoreflex

## 105 mm f 4 Auto-Bellows-Noflexar Lens Head with Automatic Diaphragm

for close-ups and tele shots

from 22.5 cm to infinity, ratio of reproduction up to 0.75 times, frame-filling shots of subjects of 3 x 4.5 cm and larger size, rubber diaphragm setting ring

for BALCO-A

BALNIK-A

BALCAN-A

BALTOP-A

BALMIN-AS

BALMIR-A

ACO-105  
ANIK-105  
ACAN-105  
ATOP-105  
AMIN-105-S  
AMIR-105  
BALSON-AK

## Bellows Lens Hood for Automatic Bellows

best protection against stray light, light reflections and water splashes. For slide copying, see page 15. Slip-on diameter 24 mm. For other lens diameters M-ring adaptors are required:

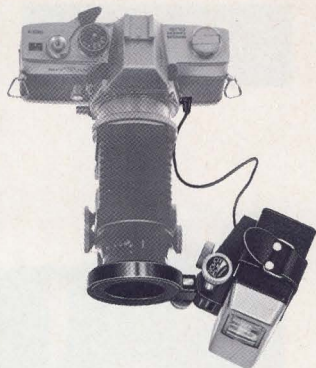
M-ring for use of BALSON-AK with 105 mm Auto-Bellows-Noflexar and other lenses having this filter thread

for more M-rings see page 15.

M 52 x 0.75



## X-SHOE



## Novoflex Flash Bracket for Macro and Close-up Photography

offers the following advantages:

- 1) Both hands are free to operate the camera. No tripod required.
- 2) The flash reflector may be attached close to the lens. This is very important when taking pictures of very close subjects.
- 3) The flash reflector may be attached on the right, left or upper side of the lens.
- 4) The flash reflector may be angled precisely at the subject. This is possible even when the subject is as close as 1 inch. The Novoflex Flash Bracket may also be used for bouncing the light from the ceiling.
- 5) The flash unit may be attached parallel or at right angles to the front of the lens.
- 6) Using two X-ring adaptors and two Flash Brackets it is possible to attach 2 flash units, e.g. for reproduction where it is desirable to have two light sources one from each side at angles that minimize light reflections on the surface to be photographed.
- 7) A Bellows Lens Hood (BALSON-K or BALSON-AK) may be used at the same time.
- 8) Interchangeable X-ring adaptors (e.g. X 52 x 0.75) attach the Flash Bracket X-SHOE to the filter thread of various lenses. Filters may be used at the same time. The X-SHOE is slipped over the X-ring adaptor and safely clamped in any position.
- 9) Once the exposure has been determined for a particular close-up distance, no further calculation is required for variations in bellows extension. The closer the subject, the greater the exposure required. But the light-source moves in closer, too, thus automatically affording the required exposure increase.
- 10) Even tiny flash units can cause overexposure in close-up photography. Our flash Bracket is therefore supplied with 2 diffusers fitting most pocket-size flash units. It doesn't matter if the diffusers are smaller than the flash reflector, because it is only the central light rays that strike the close-up subject.

**X-SHOE**  
X-40.5 x 0.5

X-48 x 0.75  
X-49 x 0.75  
X-52 x 0.75

X-55 x 0.75  
X-58 x 0.75  
X.....

**Flash Bracket** as described above

X-ring adaptor for 60 mm BALFLEX, 105 mm, 135 mm (Auto-) Novoflex, 135 mm, 150 mm (Auto-) Xenar lenses

X-ring adaptor for lenses with filter threads M 48

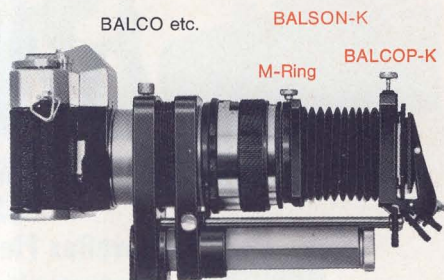
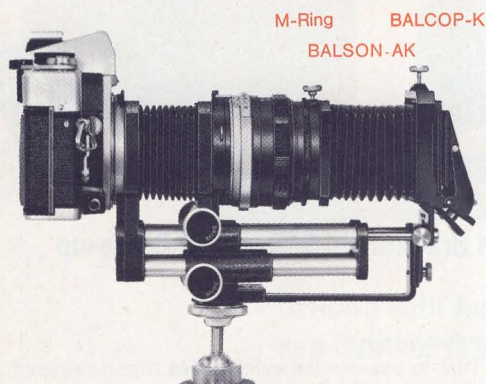
X-ring adaptor for lenses with filter threads M 49

X-ring adaptor for 105 mm Auto-Bellows-Novoflex and other lenses with filter threads M 52

X-ring adaptor for lenses with filter threads M 55

X-ring adaptor for lenses with filter threads M 58

X-ring adaptors according to your filter thread specifications on request



## Copy Your Slides

and, of course, your negatives; or reverse your slides and negatives. This equipment enables you to deal with full or masked frame, or with any portion of the original. All components, except BALCOP-K, serve other uses. The following components are required

### COPYKIT-A\*

BALSON-AK + BALCOP-K + M\* (instead of 50-58 mm camera lens, a 60 mm BALFLEX may be used)  
**for Slide Copying with Auto Bellows**

### COPYKIT-I\*

BALSON-K + BALCOP-K + M\*  
**for Slide Copying with Bellows model I** (only 50 mm lenses, no 55 or longer lens suitable)

### COPYKIT-C

BALSON-K + BALCOP-K + BALFLEX  
**for Slide Copying with BALCAST or BAL-S**

### COPYKIT-BRO

BIGSON + BIGCOP + LEINO-105 + BROLEI + M 66-40,5 x 0,5  
**for Slide Copying with BROBIG (-S2C) (see page 19)**

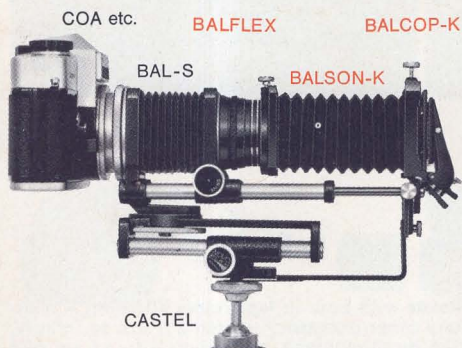
### COPYKIT-TIS

BIGSON + BIGCOP  
**for Slide Copying with TISBIG (see page 19)**

\* please add filter thread diameter, e.g. COPYKIT-A55

Notice: Copying unit BALCOP cannot be used with the new bellows units BALSON-K and BALSON-AK. These bellows units can only be used with BALCOP-K. The new combination lens hood and copier are together less expensive than the bellows unit BALCOP alone.





## BALSON-AK BALSON-K

**Bellows Lens Hood for Auto-Bellows BALCO-A, BALMIN-AS etc.**

**Bellows Lens Hood for all other 35 mm Novoflex Bellows**

variable extension, keeps the slide copier at the distance required for ratio of reproduction desired. For photography in general, gives best protection against stray light, light reflections or water splashes. Slip-on diameter 42 mm, fitting BALFLEX and our lenses up to 150 mm focal length. M-ring adaptors are necessary for other lens diameters.

## BALCOP-K

### Slide Copying Attachment

BALCOP-K enables the operator to keep the subject centrally in front of the lens, whether it is the whole of a slide or negative, mounted or in strip form, or any section of a frame. BALCOP-K is supplied with a bracket connecting BALSON-K or BALSON-AK to the tripod rack, thus offering more convenience in focusing. Without tripod rack, this bracket cannot be used.

## BALFLEX

**60 mm f 4 Special Lens.** Formulated for photomacrography, this lens will reproduce at 0,6 x to 2 x, which means that subjects sized 12 mm x 18 mm can fill the frame. 42 mm slip-on diameter (fitting BALSON-AK or BALSON-K without M-ring). Leica threads fit BALCAST, BAL-S direct.

For use with Auto-Bellows an adaptor COLEI, etc., (see page 7) is necessary: BALFLEX is not available with automatic diaphragm. BALFLEX is excellent for use as an enlarging lens.

M 49 x 0.75  
M 52 x 0.75  
M 55 x 0.75  
M-IC  
M.....

M-ring adapting BALSON-AK, BALSON-K to the filter threads of various lenses. When ordering an M-ring, please specify

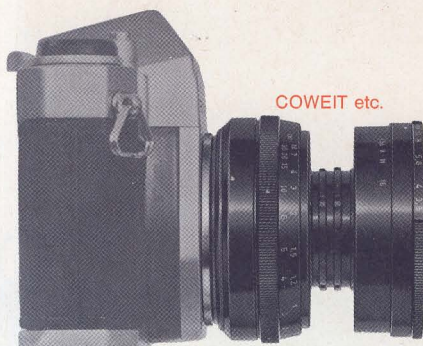
M-ring for lenses with M 49 x 0.75 filter threads

M-ring for lenses with M 52 x 0.75 filter threads

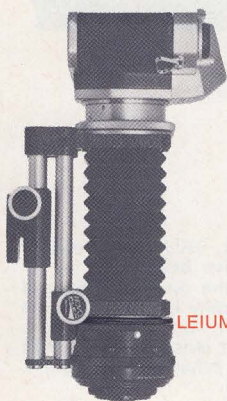
M-ring for lenses with M 55 x 0.75 filter threads

M-ring for Icarex camera lenses

M-ring for lenses with other filter threads are made to special order. Quote filter thread size.



## 35 mm Macro-Wide Angle Noflexar



LEIUM etc.

COWEIT  
COWEIT  
+ CANCO  
EXWEIT  
NIKWEIT  
ZENWEIT

LEIUM  
COUM  
EXUM

**35 mm f3.5 Macro-Noflexar** with built-in lens hood, focusing – without extension ring or any other accessory – from  $2\frac{1}{2}$  ins. to infinity, ratio of reproduction 0.6 times, subjects measuring  $4.4 \times 6.6$  cm and larger fill the  $24 \times 36$  mm film format. Conventional helical focusing mount plus built-in extension with 4 click-stops, each indicating  $\frac{1}{4}$  of an f-stop exposure increase. This macro-lens is so small that it will fit into any ever-ready case. A 35 mm focal length lens is the ideal companion for the 50 mm camera lens because its  $64^\circ$  angle of acceptance can take in buildings and interiors that cannot be photographed full size with 50–58 mm lenses. Perspective is enhanced but distortions can be avoided. Pre-set diaphragm f3.5–f16. Any wide-angle filter with M  $49 \times 0.75$  fits it. Length with built-in lens hood: 36 mm, weight 95 g.

COWEIT may be used with a wide range of cameras not listed below (eg. Minolta SR) but, for these other cameras, adaptors for Pentax lenses must be obtained from various camera manufacturers. With such an adaptor, COWEIT fits Beaulieu, Bolex Reflex, Camex Reflex. Although 35 mm is a relatively long focal length for very small formats, nevertheless COWEIT can be interesting to the movie maker. With Super-8, subjects only  $8 \text{ mm} \times 12 \text{ mm}$  in size can be made to fill the frame. With 16 mm film, the frame can be filled by subjects  $14 \text{ mm} \times 19 \text{ mm}$  in size. Continuous focusing up to infinity is, of course, retained.

for Pentax and other cameras with M  $42 \times 1$  threads (see table)

Canon  
Exakta, Exa, Topcon  
Nikon  
Zenit

**Reversal Ring** permitting use of the 35 mm Macro-wide Angle Lens in reverse position for hyper close-up work, screws into the below-mentioned extension bellows. 2.75 times up to 5 times magnification is achieved.

Reversal Ring for BALCAST, BAL-S  
Reversal Ring for BALCO, BALCO-A  
Reversal Ring for BALIX, BALTOP-A

## Photo-MICRO-graphy

**Microscope Adaptor** has Leica threads that screw directly into Extension Bellows BALCAST, BAL-S. Adaptors COWEIT etc. (page 7) are required for use of MICRO with Bellows Model I and A.

**Microscope Bellows** for use of MICRO and microscope with a copying stand.

MICRO

MICROBALG





## Carrying Cases

### TASPI

**Leather Case, holster type, for 280 mm Follow Focus Lens with lens hood**

### TASPI-400

**Leather Case, holster type, for 400 mm Follow Focus Lens with lens hood**

### TASFE

**Leather Case, quiver type, for N-640 (page 2) and two filters**

### TASPIBA

**Vinyl Case, inner space 195 x 175 x 55 mm**

### TASWEIT

**Leather Case for 35 mm Macro-wide Angle Lens**

### TASUNI

**Universal Carrying Case, stylish, rugged, light-weight (only 2.1 kg), ext. dimensions 45 x 34 x 9.5 cm, with interchangeable foam rubber lining uncut or cut out for 400 mm Follow Focus lens with Special Bellows, camera adaptors, Bellows Model I with lens head, Auto-Bellows with lens head, Bellows Model S with Tripod Rack and complete slide copying equipment, 35 mm Macro-wide Angle Lens.**

### NOBU

#### Novoflex Pocket Book

available only in German language

### NOBU

## Rubber Dust Caps

for

#### DUSTA

front of Auto-Bellows-Novoflex lens

#### DUSTCAN

Canon bayonet

#### DUSTCO

Pentax threads

#### DUSTEX

Exakta bayonet

#### DUSTFE

front of 400 mm and 640 mm lenses

#### DUSTKONI

Konica bayonet

#### DUSTLEI

Leica threads

#### DUSTMIN

Minolta bayonet

#### DUSTMIR

Miranda bayonet

#### DUSTPI

front of 280 mm lens

#### DUSTPRA

rear end of pistol grip and of 280 mm, 400 mm lens heads

#### DUSTWEIT

35 mm Macro Wide Angle lens



**TAXPIGRIFF**  
**BROPIGRIFF-S2C**  
**BROPIGRIFF**  
**HAPIGRIFF**  
**TISPIGRIFF**  
**TISPIGRIFF-U**

**TISBIG-U**

**K-240**  
**KS-500**

**PISTOCK-66**

**ROLLAN**

**ROLLAN-200**

TAXPIGRIFF etc.

K-240

KS-500

## 6 x 6 (2 1/4 x 2 1/4") Follow Focus Lenses (patented)

**Pistol Grips** 6 x 6 for split-second trigger focusing of KS-500 lens (see below). Because the rear mount is a permanent assembly, each pistol grip will fit only one series of cameras. They are not interchangeable. These grips are provided with locking knobs for time exposures.

for Asahi Pentax 6 x 7

Bronica S2 and C

Bronica, all other models

Hasselblad 100 and 1600 F (**not** for 500 C)

Praktisix, Pentaconsix

**with permanently affixed Special Bellows** (available only for Praktisix, Pentaconsix)

Special Bellows for modification of an existing TISPIGRIFF which must be sent into works. Price of Bellows includes assembly

### Lens Heads

**240 mm f 5.6 Noflexar** for discontinued

**500 mm f 5.6 Tele-Noflexar** for Pistol Grips 6 x 6, incl. bayonet mount lens hood, length 35 cm

Chest-pod 6 x 6 (same as PISTOCK, page 2, but with special strap)

★ **Adaptors** for use of 35 mm Cameras, on request

## For Rollei-SL-66

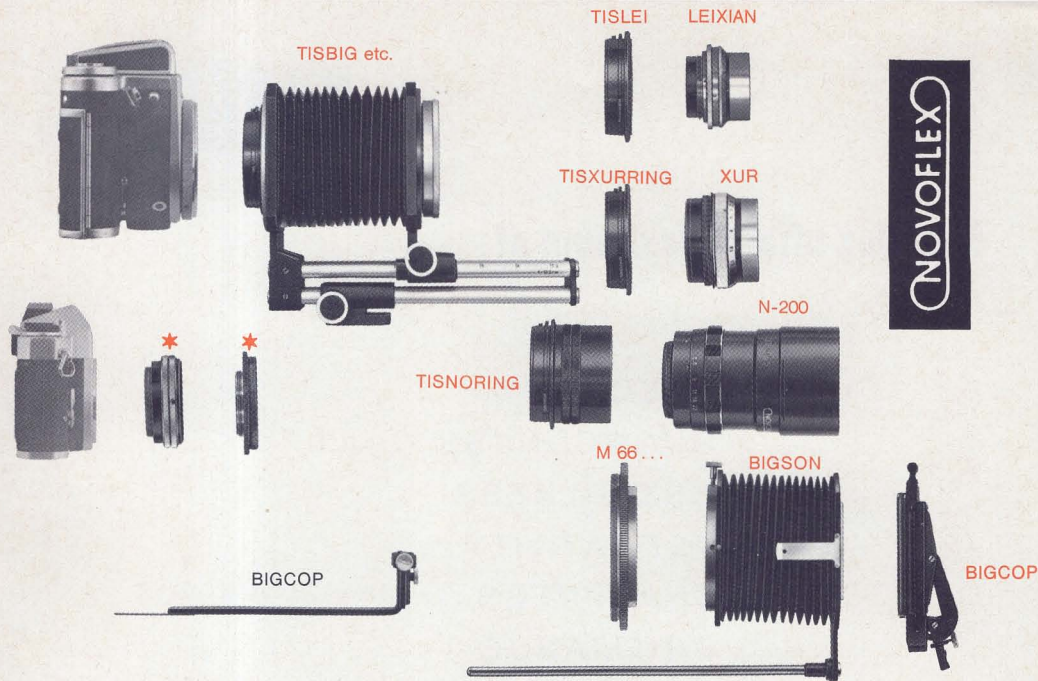
The Lens Heads KS-500 (see above) and N-200 (see page 19) – but **not** the Pistol Grips or the Bellows – may be used with Rollei-SL-66. These lens heads are focused by using the bellows incorporated in the Rollei-SL-66:

Adaptor for use of KS-500 (focusing range 6 m – infinity) with Rollei-SL-66

Adaptor for use of N-200 with Rollei-SL-66 (focusing range 105 cm – infinity)

35 mm adaptors can be made on request.





## 6 x 6 (2 1/4 x 2 1/4") Bellows (US Pat.)

with built-in tripod rack. When ordering, please specify:  
for Praktisix, Pentaconsix  
Bronica S2 and C  
Bronica (other models)

Focusing range with 80 mm camera lens from 18.5 cm – 5.5 cm approximately, ratio of reproduction 0.76 – 2.5 times, subjects sized 24 mm to 75 mm fill the picture frame. For focusing from close-up (see table) **to infinity** the following lens heads are available:

**150 mm f4.5 Xenar** for focusing up to infinity with TISBIG + TISLEI only

Adaptor for use of TISBIG with LEIXIAN and with other lenses having Leica threads

**180 mm f4.5 Xenar** for focusing up to infinity with TISBIG + TISXURRING or BROBIG(-S2C) + BROXURRING

Adaptor for use of TISBIG with XUR

Adaptor for use of BROBIG(-S2C) with XUR

**200 mm f4 Noflexar**, incl. bayonet lens hood, for focusing up to infinity with TISBIG + TISNORING or BROBIG(-S2C) + BRONORING

Adaptor for use of TISBIG with N-200

Adaptor for use of BROBIG(-S2C) with N-200

**For Slide Copying 6 x 6** see page 14. Components of COPYKIT-BRO, COPYKIT-TIS:

**Bellows Lens hood 6 x 6** 60 mm slip-on diameter

**6 x 6 M-ring** for use of the 180 mm Xenar (**not** for slide copying) with BIGSON

**6 x 6 M-ring** for use of LEINO-105 (for slide copying with Bronica) and for use of LEIXIAN with BIGSON

**6 x 6 M-ring** for use of lenses with other filter threads (please specify) with BIGSON

**Slide copying Attachment 6 x 6** for use with BROBIG (-S2C), TISBIG

**105 mm f4 Noflexar** (see ill. page 14) for close-ups and slide copying with Bronica. Focusing range with BROBIG(-S2C) from 52.5 cm – 15.5 cm, ratio of reproduction from 0.27 – 1.57 times, Subjects sized 203 mm – 38 mm fill the picture frame

Adaptor for use of LEINO-105 mm (and other lenses having Leica threads) with BROBIG(-S2C)

TISBIG  
BROBIG-S2C  
BROBIG

LEIXIAN

TISLEI

XUR

TISXURRING  
BROXURRING  
N-200

TISNORING  
BRONORING

BIGSON  
M 66-49 x 0.75

M 66-40.5 x 0.5

M 66 .....

BIGCOP  
LEINO-105

BROLEI

## **Novoflex offers Maximum of**

**PRECISION  
RUGGEDNESS  
USEFULNESS  
VERSATILITY  
SHARPNESS  
BRILLIANCE**

Articles not mentioned in this catalogue, such as filters for 35 mm to 180 mm lenses, adaptors for use of camera lenses with cameras having other lens connecting mounts are **not** available from us. Production of single items to special order would be so expensive as to be impracticable.

In the interests of progress, the manufacturers reserve the right to make technical modifications without notice.

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