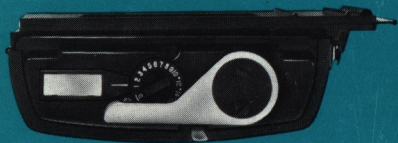


PRICE 25 CENTS



Rapid-Vance  
RH/20 Roll Film Holder  
Guidebook

**graflex®**

## The new Rapid-Vance RH/20 roll film holder: one of the most versatile instruments in the famous line of Graflex cameras and accessories.

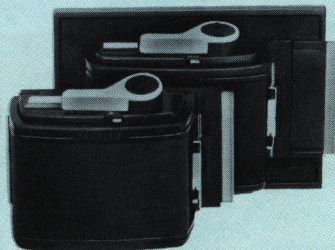
RH/20 roll film holders can be used with the Graflex xl Camera Systems and all other 2¼ x 3¼ and 4 x 5 format cameras equipped with Graflok® or Graphic® backs.

To attach the RH/20 to a Graflok back, slide the holder in place on the back. Secure by pushing the upper and lower slide locks to the left. If a focusing panel is attached, remove the panel by depressing the two knurled finger pads while sliding the panel to the right. Attach holder.

The RH/20 adjusts for right or left hand use. For right hand, advance lever is at the top with the dark slide on the right. The advance lever, for left hand use, is on the bottom with the dark slide at the left.

### Special Loading Features

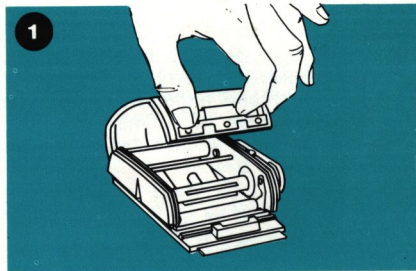
On location or in the studio, you'll enjoy the extra convenience of working with an RH/20. Your new RH/20 loads without completely removing it from the camera. Just open, remove the carriage, load and replace. It's that simple. And the RH/20 can be loaded in daylight. It is recommended that you load film in subdued light . . . definitely not in bright sunlight!



# Follow these seven easy steps in operating the RH/20 roll film holder

## 1. Removing the carriage

Open the RH/20 roll film holder by squeezing the release latches together. Lift the cover away. Take out the carriage (Fig. 1).



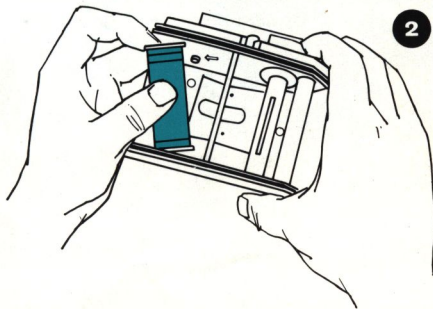
## 2. Loading the film

With the carriage in hand, transfer the empty supply spool to the take-up spool position.

Hold the loaded supply spool so that the paper leader will unwind with the black side facing outward. Insert the lower end of the spool into the supply cavity.

Press downward on the spool until the top end can be tipped into place (Fig 2).

Examine the film flattener rollers when loading film to be sure they are rotating freely. This prevents scratching and maintains film flatness.





### 3. Attaching the film to the take-up spool

Unwind enough paper leader to go completely around the front of the carriage and reach the take-up spool (Fig. 3 & 4).

Insert the tab on the paper leader into the wider slot on the take-up spool. Actuate the advance lever approximately  $\frac{1}{2}$  stroke to make a complete turn of the spool. Check to make sure the leader is evenly wound between the spool flanges.

Advance the lever until the starting marker on the film is opposite the arrow inside the carriage (Fig. 5).

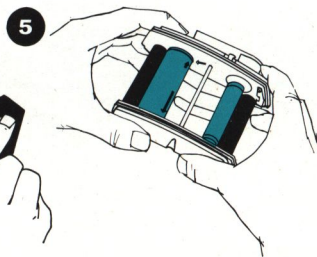
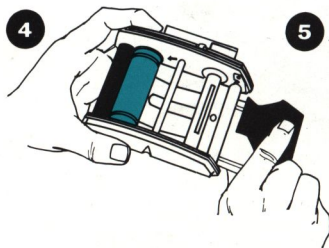
### 4. Setting the exposure counter

Rotate the exposure counter toward its arrow until it clicks into place and resists further turning. Do not attempt to rotate the counter beyond this point.

### 5. Closing the holder

Replace the carriage. Press down firmly on the cover to close, engaging both latches.

**NOTE:** Preloaded RH/20 cartridges can be interchanged at any time. And you can also interchange RH/10 cartridges with RH/20 cartridges in the RH/20 roll film holder.



## 6. Synchronizing the advance lever with the exposure counter

Actuate the advance lever until it stops. Initial winding is then completed. As the No. 1 exposure appears, the advance lever automatically synchronizes with the counter. Do not rotate exposure counter beyond arrow.

**NOTE:** In the No. 1 exposure position, the film is wrapped around the idler roller in a direction opposite to its normal curl. This may cause strain on the adhesive strip holding the film to the leader. Under certain conditions, the adhesive strip may loosen. To avoid detachment, the film should not be advanced to the No. 1 exposure position until the first exposure is to be made.

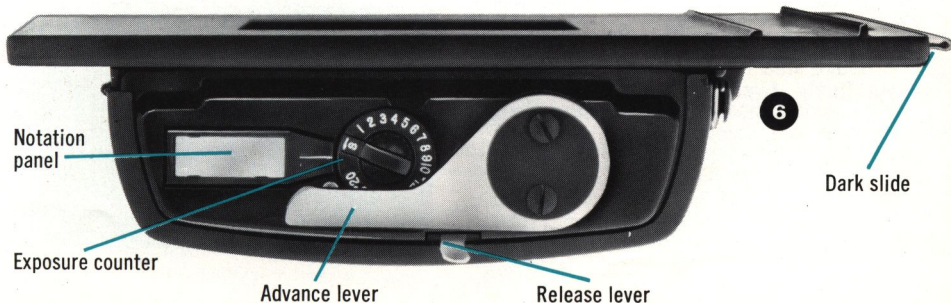
The film should then be advanced to the No. 2 position.

## 7. Film advance

The advance lever automatically locks after each film advance. This prevents accidental film transport and overlapping exposure.

To unlock the advance lever, move the release lever to the left (Fig. 6). Lever is then free to advance the film. Repeat this procedure after each exposure.

When the last exposure has been made, again move the release lever to the left and hold. Actuate the advance lever until the counter ceases to rotate. At this point, the film is fully wound onto the take-up spool. It can be removed from the holder.



## 8. Using 120 film in RH/20

To use 120 film, follow directions 1-7. The roll of 120 film will be completely exposed when the exposure counter indicates 10. Hold the release lever to the left and actuate the advance lever until the counter passes the number 20. Remove film.

## Maintenance

This holder has been carefully designed to perform like new for many years. A few simple cleaning procedures should be followed to maintain the life and appearance of your holder.

Before loading each roll of film, remove any loose dust or dirt from the carriage and film flattening rollers.

Make sure the film flattening rollers turn freely. Every six months or every 50 rolls of film, whichever occurs first, lubricate the sleeves (Fig. 7) at each end of both film flattening rollers. Make a mixture of Molykote Type Z, Graflex Part. No. 39484P2, and alcohol and apply one drop to each sleeve. Turn the rollers to work the mixture into the

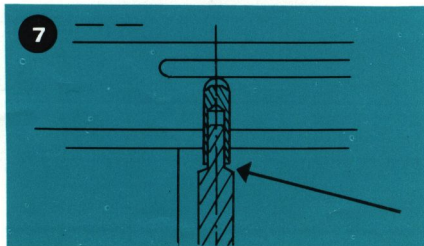
sleeves. Carefully wipe off any excess from exposed surfaces with a clean cloth after the alcohol carrier has evaporated.

### DO NOT USE OIL AS A LUBRICANT

Keep plush lining at tension spring cleaned by brushing as necessary with a soft brush.

Check film guide screws and retaining screws on the Rapid-Vance lever occasionally. If necessary, tighten only by turning clockwise — never loosen.

Wipe exposed surfaces of carriage and cover assembly with mild soap and damp cloth. **DO NOT USE SOLVENTS.** Dry thoroughly with a soft, lint-free cloth.



## YOUR GRAFLEX WARRANTY:

*To the initial retail purchaser of Graflex merchandise:*

Skilled craftsmen have produced the Graflex merchandise you have purchased. They have built into it a level of quality and performance which will insure your enjoyment of its use.

Graflex merchandise is warranted by Graflex and the Graflex Dealer from whom you purchased the same, to be free from faulty materials and workmanship, except as hereinafter set forth. If any time during your first year of ownership, (90 days in the case of any electronic components and parts, including without limitation, tubes and projection lamps), any servicing is necessitated by faulty material or workmanship, it will be provided (or the equipment replaced at our option) without charge except for transportation charges by your nearest Graflex Service facility. Returns for servicing should be made through your Graflex Dealer; or if this is not convenient, the merchandise should be carefully packed in a stiff container with adequate packing (not excelsior). Attach name and address and any *specific instructions* to the package, which should be adequately secured and fully insured.

THIS WARRANTY IS NOT APPLICABLE:

- A. To Graflex merchandise which in our judgment has been damaged, abused, or requires replacement of parts due to wear and tear from use, or for any reason other than faulty materials and workmanship. Such merchandise will be serviced at factory-established rates.
- B. To Graflex merchandise which has been tampered with or serviced by persons other than Graflex approved personnel.
- C. If adaptations or accessories of other than Graflex recommendations have been made or attached.
- D. Where the Graflex merchandise bears serial numbers, if it has not been registered with Graflex by means of the attached registration card or appropriate substitute within 60 days from date of purchase.

No liability is assumed for film which is damaged or is unsatisfactory for any reason (due to equipment malfunction or otherwise), nor is Graflex, Inc., obligated to replace such film.

EXCEPT AS EXPRESSLY SET FORTH HEREIN NO OTHER WARRANTIES ARE MADE BY GRAFLEX OR YOUR GRAFLEX DEALER WITH RESPECT TO GRAFLEX MERCHANDISE, INCLUDING, WITHOUT LIMITATION, WARRANTIES AS TO FITNESS FOR A PARTICULAR PURPOSE AND OF MERCHANTABILITY. No liability is assumed for expenses or damages resulting from interruptions in operation of equipment, nor for incidental or consequential damages of any nature.

In order that we may be able to pursue our continuing program of product improvement, Graflex reserves the right to make changes in design, or add improvements to any product without incurring any obligation to include such revisions in equipment previously produced.

The warranties hereinbefore expressly set forth are made only to the *original retail purchaser*. Graflex's liability under the within warranty is limited to repair or replacement as hereinbefore provided.

### SERVICE FACILITIES:

Graflex Approved Service Stations are conveniently located in all major cities. Contact your Graflex Dealer or write to the Manager, Graflex Service Sales, for the address of the Graflex Approved Service Station nearest you.

Record below such serial numbers as your equipment bears for your insurance file and future reference.



**MASK SELECTION CHART**  
for various film sizes (not camera sizes)

MASK CATALOG NUMBER	2¼ x 2¾ PICTURE SIZE
	Focal Length of Lenses in Millimeters
9105-4	70-84
9105-3	86-90
9105-2	92-101
9105-9	103-125
9105-10	127-138
9105-11	140-162
9105-8	164-191
9105-7	192-227
9105-6	229-267
9105-5	268-305
3060 W.A. Adapter	47-69

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