

INSTRUCTIONS FOR USING NIKOR #16 ROLL FILM TANK FOR 16mm x 40" FILM

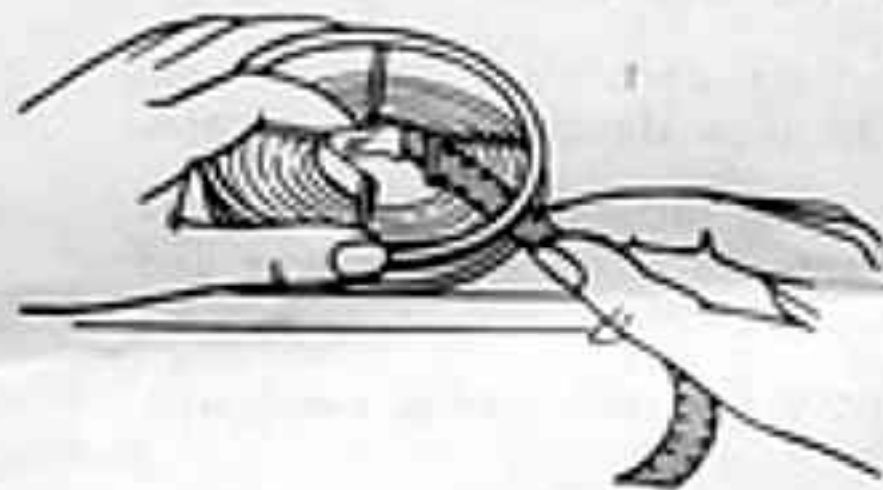


Figure 1

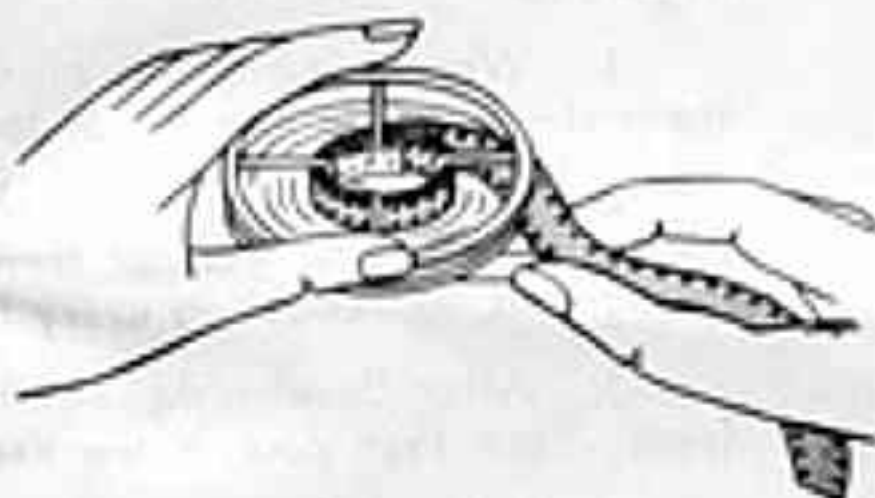


Figure 2

TO LOAD REEL

1. Place each reel flat on a table top and along one edge of the table, with open face of the reel **upward**, as in Fig. 1.
2. Insert finger of left hand in the open face and depress the spring clip, opening the end of the clip for insertion of film.
3. Holding film in right hand, over the edge of the table, insert end of film under the open clip and release the spring to close clip. (See Fig. 1.)

NOTE: Film must be inserted at an angle of 30° to 45° from vertical, so that it enters the spiral lower face of the reel "on the bias", with the upper film edge **outward** from the center of the reel.

4. Slowly turn the reel with the left hand, leaving the reel flat on table, and retaining the 30° to 45° entering angle of the film with the right hand. The film will wind onto the reel and will right itself into a vertical position inside the reel, as in Fig 2.

We strongly recommend a little practice in daylight with an exposed piece of film before attempting to load the reel in complete darkness.

TO DEVELOP

1. Place the loaded reels in the tank and put the cover on firmly.
2. Bright lights may now be turned on and the developer poured in through the large segment of the filler mouth. Tilt the tank while filling by placing the cap under one side, so that small segment of filler mouth, the air vent, is upward.
3. Place the cap over the filler mouth.
4. Shake gently and frequently during development and fixing.
5. Keep developer, wash water, and fixer as near the same temperature as possible.
6. Use high quality, fresh chemicals, thoroughly dissolved.
7. Keep all parts of the NIKOR clean.

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DEVELOPMENT PROCEDURE

Every photographer has his own methods of development. However, we have the following suggestions that will aid in securing perfect negatives.

1. When using freshly mixed solutions, particularly developer, let them stand fifteen minutes or longer to allow dissolved air to escape.
2. Agitate the tank moderately. We recommend that the tank be agitated at the start of development and fixing by inverting and gently shaking, repeating every two minutes.
3. After developing, fill and empty the tank several times with fresh water, then pour in the fixer.
4. Be sure to agitate the tank when fixing as gas bubbles often form when the acid fixer strikes the alkaline developer.
5. The internal temperature of the tank may be accurately controlled by placing it in a large pan of water, the temperature of which can be easily checked and maintained.
6. Let the water run vigorously into the reel when washing as a fast flow reduces washing time although this is not true of paper prints.
7. Wipe the surplus water from the films when drying. This can be done by hanging the film with a strong clip and drawing damp viscose sponges slowly down each side of the film.
8. Stainless steel does not ordinarily rust or tarnish even under severe conditions of photographic use. However, any deposit of dirt may be readily removed with "Bab-O" or "Bon Ami." An overnight soaking in a 25% solution of Nitric Acid will render the tank chemically clean. DO NOT use Hydrochloric or Sulphuric Acid.
9. When through developing, it is best to dry the tank before putting it away. Films are liable to stick the next time it is loaded if it is still wet. The reel may be dried by artificial heat if it is to be used immediately.
10. It is advisable, when using film that has been tightly wound in small cassettes, to load the film into the Reel emulsion side out. This prevents the possibility of two layers of film coming close together.

SOLUTION REQUIRED: To cover two #16 Reels: 8 oz.
To cover one #16 Reel: 5 oz.

Patented in U. S. A. and Great Britain. Other Patents Pending.

All NIKOR equipment is designed and made in the U. S. A.

It is fully guaranteed against defects.

NIKOR PRODUCTS CO., INC.
WEST SPRINGFIELD, MASS., U.S.A. 01089