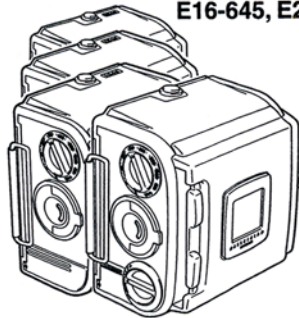


# H A S S E L B L A D

E12CC-6x6, E12-6x6  
E16-645, E24-6x6



## Hasselblad Roll Film Magazine E 12, E 16, E 24 & E12CC

(Numbers within brackets refer to the Parts & Components list.)

The E-type roll film magazine is specially designed to be used on the 203 and 205 camera bodies, providing control dials for pre-setting of film speed. With the E12CC on the 205 camera models you can also pre-set for planned contrast correction through compensating development of the film. The dial settings are automatically transferred from the active electronic circuits in the magazine through the four contacts of the data-bus system (12, 15) to the central computer in the camera body. The film speed setting appears on the display in the viewfinder. The contrast correction on the E12CC is automatically considered in the exposure calculations when the 205 is used in the Zone Mode. In the other operational modes the contrast dial setting is disregarded.

Although designed for the 203 and 205 cameras the E-type magazines can also be used on all other Hasselblad models and operates then as Hasselblad A-type roll film magazines.

### Parts & Components

- |                             |                              |
|-----------------------------|------------------------------|
| 1 Film speed dial           | 11 Magazine status indicator |
| 2 Magazine dark slide       | 12 Data bus connectors       |
| 3 Film load indicator       | 13 Film take-up spool        |
| 4 Film holder key           | 14 Grooved take-up knob      |
| 5 Film plane index          | 15 Data bus connectors       |
| *6 E12CC film contrast dial | 16 Film clamp                |
| 7 Magazine slide pocket     | 17 Film holder number        |
| 8 Film tab holder           | 18 Spool clamp bar           |
| 9 Film winding crank        | 19 Film supply spool         |
| 10 Frame counter            | 20 Film load index           |

\*) E12CC magazine only

### Magazine Operation

#### Loading the Magazine

You can load the magazine with film on or off the camera. When loading it off the camera you have to ensure that the magazine slide (2) is inserted with its flat side towards the film holder key (4) as shown in fig. 1.

Magazine housing and film holder form a closely matched pair. Always check that the three figures (17) on the film holder match the last three figures in the magazine's serial number!

#### Follow the procedure below to load a film:

The paragraph numbers refer to the corresponding illustrations.

1. Fold out the film holder key (4).
2. Turn the key counter-clockwise and withdraw the film holder.
3. Place an empty take-up spool under the grooved knob (14) of the spool clamp bar (18). Insert a roll of film (19) under the other end of the bar, turned as in the figure. Remove all of the paper band surrounding the roll!
4. Turn the film holder key (4) clockwise to open the film clamp (16). Pull 8–10 cm (3–4 in.) of paper backing off the film roll. Slide the side edge under the clamp.
5. Insert the tongue of the backing paper into the slot in the take-up spool (13).
6. Turn the grooved knob (14) clockwise to align the arrow on the paper with the triangular index (20) on the bar (18), but not any further.
7. Turn the film holder key (4) counter-clockwise. Insert the film holder into the magazine. Ensure that it is correctly positioned. Turn the film holder key clockwise to lock the film holder in the magazine.

8. Fold out the film winding crank (9). Rotate it clockwise about ten turns until it stops. Turn it counter-clockwise and fold it in. Number 1 will now be displayed in the frame counter window (10) indicating that the loaded magazine is ready for use. The film winding crank is blocked at frame 1 only. It can be used to wind up a partially exposed film at any frame after that. The frame counter is automatically reset when the film holder is withdrawn from the magazine.

#### Removing the Film

When the film has been advanced after the last frame, the magazine prevents further release of the camera. To remove the exposed film, fold out the film winding crank (9) and turn it clockwise until you can feel that the film is leaving the supply spool. Withdraw the film holder from the magazine and remove the film.

#### Magazine Signal (Fig. 8)

The magazine signal (11) is located close to the frame counter window (10). A white signal indicates that the film has been advanced after the latest exposure; a red that it has not been advanced and there is a risk for a double-exposure.

#### Magazine Load Status (Fig. 9)

In the center of the film holder key (4) there is a crescent-shaped indicator window (3) that shows white when the magazine is freshly loaded. It gradually changes to red as the film is wound through. An all red indicator shows that the film is used up or that the magazine is empty.

#### Film Speed Dial (Fig. 10)

The upper dial (1) on the l. h. side of the magazine is the film speed dial. The speed set on it is automatically transferred to the metering system in the 205 and 203 camera bodies and displayed in the viewfinder in the Pr mode. The range of the film speed dial extends from ISO 12 to ISO 6400 with 1/3 and 2/3 intermediate settings. When the magazine is used on any of the other Hasselblad models this setting has no effect.

#### E12CC Film Contrast Dial (Fig. 11; E12CC only)

The lower dial (6) on the l. h. side of the E12CC magazine is the film contrast dial which can be used with the 205 camera models in the Zone Mode only. The dial has eight settings from -4 through 0 to +3, corresponding to the contrast controlling film development N - 4 through N + 3. It informs the metering system that you intend to control the contrast by increased or reduced development. In any other operational mode or when the magazine is used on other Hasselblad models this setting has no effect.

#### Film Plane Index (Fig. 12)

Close to the magazine front and moulded into the rubber grip cushion is the film plane index (5). It can be used to measure the subject-to-film distance in close-up photography.

#### Magazine Slide Pocket and Film Tab Holder (Fig. 13)

On the rear of the magazine is the slide pocket (7) where the magazine dark slide (2) could be stowed away when not in use. Turn the slide with the hinge towards the rear to fold the bow fully into the slide pocket recesses.

The end tab of the film pack can be inserted in the holder (8) on the back of the magazine as a reminder of the kind of film that has been loaded into the magazine.

