Hasselblad ArcBody
- a new way of thinking

Thank you for choosing the Hasselblad ArcBody. You can now practice the philosophy that lies behind, breaking new ground with the opportunities that are open to you. This powerful and versatile camera is a broadening of the revolutionary thinking that created the Hasselblad family. The generous shift capabilities naturally place it first choice for architectural and industrial photography, though in practice the list easily includes product, landscape, portrait photography and a surprising number of other photographic fields too. Essentially a problem solving camera, the Hasselblad ArcBody is also a very resourceful creative tool, producing a broader spectrum of image variations and effects than conventional medium format cameras.

The creative possibilities brought about by the ArcBody can be a new chapter for those more used to conventional medium format cameras. The image shaping and other effects can be used to advantage, often adding a winning edge over comparable images, in this way the ArcBody can be useful but its advantage is not only by solving problems but also by providing an additional creative input into image making.

The two standard shift of as much as 28 mm ensures the virtual elimination of diverging or converging lines in the image in standard practice, which is a point of major importance in architectural and industrial photography. The two standard tilt of ± 12° provides the often much needed extra control concerning depth-of-field. Together they produce results normally only associated with bulky and awkward systems.

The extensive shift facility is permitted by the large image circle produced by the three interchangeable lenses: the Rodenstock Apo-Grandagon 4.5/50, Rodenstock Apo-Grandagon 4.5/80 and the Rodenstock Apo-Grandagon 4.5/110. These superb optics are supplied complete with accessories to maintain their superb high contrast, colour saturation and even coverage. The caming/fine filter holders, for example, is a valuable asset that ensures a smooth and rapid working method. The lens shutters provide fast representation at all shutter speeds.

To produce the bright viewfinder image - a standard requirement on all Hasselblad cameras - the ArcBody uses an ingenious patented focusing screen incorporating an AXT-A Manual Focus. This ensures image clarity regardless of the amount of shift or tilt. The Hasselblad ArcBody is particularly recommended, providing both a vertically correct image and a comfortable working position. All other Hasselblad viewfinders are also compatible, including prism viewfinders.

All Hasselblad film magazines are compatible with the ArcBody, thus providing you with a wide choice. 6x6 cm and 6x4.5 cm covers are favored, 7x8, 100 and 140 mm perforated films as well as Plustek Large Format films. The ArcBody serves equally well as a main camera or as an extra versatile tool. It is rugged enough to be used professionally on a daily basis yet compact and light enough to be included as an extra resource on all assignments. The ArcBody boasts a stunning example of a professional, ruggedly built and reliable camera capable of producing extremely high quality and original images.

The ArcBody is very easy to use. Its plain, step-by-step construction offers an immediate method of working. This instruction manual describes operating tips and some must techniques that should come as quite natural. Please read it carefully and keep it with your camera at all times for reference.

The manual assumes a certain familiarity with camera handling and a moderate level of photographic knowledge. Operational details therefore specifically describe the ArcBody, but also include general descriptions of the ArcBody in practice. The suffixes in grey lines in the text refer to the appropriate illustrations in the accompanying manual. If you have a query that finds fault to contact your Hasselblad dealer - we wont leave it 100% satisfied!

The knowledge gained from this manual will give you full access to the Hasselblad ArcBody potential. Exploiting the potential is left to your imagination. Welcome to the new Hasselblad ArcBody way of thinking!

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10.7018 Rear cover MultiControl
10.7002 Front cover ArcBody
58400 Carrying case

Hasselblad ArcBody Kit - 17015

The Hasselblad ArcBody kit consists of the Hasselblad ArcBody complete - 17015 package as listed above, plus the following:
27040 Rodenstock Apo-Grandagon 4.5/50 mm
27049 Century filter
27047 Bellows viewfinder 6 blades
27052 Rodenstock Apo-Grandagon 4.5/80 mm including 27002 Front cover ArcBody and 50751 rear lens cap
27048 Rodenstock Apo-Grandagon 4.5/90 mm including 27043 Front cover ArcBody and 50737 rear lens cap
27075 Rodenstock Grandaoton 4.5/110 mm including 27004 Front cover ArcBody and 50571 rear lens cap 6 blades
27007 Lens shade 75
27009 Extension tube ArcBody 36
72411 Strip light prometheus 94
72413 Connection slide 10”
72415 Connection slide 20”

Optional accessories:
3433 Camera inverse rotary
3470 Extension tube ArcBody 8
3475 Extension tube ArcBody 16
6199 Extension tube ArcBody 26
3477 Century filter
3470 Bellows viewfinder 6 blades

Accessory description
50745 Focusing screen adapter standard. This device actually holds the focusing screen but also serves as a holder for the correction slides and variable filters.
50743 Correction slide small. Used to improve image brightness when shift adjustment is no greater than ± 5 mm.
50740 Correction slide medium. Used to improve image brightness when shift adjustment is greater than ± 5 mm to ± 15 mm.
50738 Correction slide large. Used to improve image brightness when shift adjustment is greater than ± 15 mm.
50729 Century filter holder. Specific filter holder for lens center filter.
50724 Lens shade 3540. Specifically designed lens shade for the 35 and 45 mm lenses.
6230 Camera inverse rotary. Striply and quickly allow ArcBody to be mounted upon seated tripod during installation. Tripod quickly unmount without resorting to any change in tripod configuration.

Parts & Components

2.1. Lens adjustment index
2.2. Spirit level
2.3. Film winding crank lock
2.4. Film winding crank
2.5. Spirit level
2.6. Tilt lock
2.7. Tilt control locks
2.8. Tilt control
2.9. Lens release catch
2.10. Shift control catch
2.11. Shift control
2.12. Shift scale
2.13. Spirit level
2.14. Quick-popping plate
2.15. Magazine supports
2.16. Slide light mask
2.17. Rear aperture
2.18. Magazine hooks

In the past, prejudices of components and distinction of the image was composed more on the picture of the camera, but now the first is the lens and viewfinder. The question that the first and second are the same as the second and third. The question that the first and second are the same as the second and third.

2.4.2. Connection slide 10”
2.4.3. Connection slide 20”

The Hasselblad ArcBody and accessories are available in a variety of combinations and therefore the accessories that are supplied vary accordingly. Fig. 2.4 illustrate the accessories that are compatible with the ArcBody. These include accessories specific to the ArcBody system and items from the standard Hasselblad system. The following lists these combinations and then describes the function of each item where relevant. Check them against the illustrations and familiarise yourself with each.

Hasselblad ArcBody complete - 17015

The Hasselblad ArcBody kit comes as a package and in black or white, 47057 focusing screen adapter standard.
47065 Correction slide - 8 (small).
47087 Century filter - 2 (medium).
47091 Correction slide - 10” (medium).
57949 Cable release
57939 Filter holder
59400 Century filter holder 6 blades
57924 Lens shade 3540
72422 Slide light mask

Rodenstock Grandagon 4.5/90 mm only:
72411 Strip light prometheus 94, used for connection to arc body position.
72413 Correction slide 10”. Used to improve image brightness when shift adjustment is no greater than ± 10”.
72415 Correction slide 20”. Used to improve image brightness when shift adjustment is greater than ± 10”.

Redenstock Grandagon 4.5/90 mm only:
72416 94 35/40 mm extension tube ArcBody 36
72417 Strip light prometheus 94
72413 Correction slide 10”
72415 Correction slide 20”

The camera provides a smooth and vibration-free actuation when making an exposure. The filter holder, General multi-component filter holder for types of 377 standard both 100" 100 mm and 100" 150 mm. Specific filling for rapid attachment and control.
58499 Carrying case MultiControl to facilitate storage and rapid access.
72421 Slide light protector mask. Protects the slide light problems when camera accessories are rear mounted.
72422 The lens shade 3540, a specifically designed lens shade for the 35 and 45 mm lenses.
72415 Connection slide 20”. The lens shade 3540, a specifically designed lens shade for the 35 and 45 mm lenses.
72415 Connection slide 20”.
Getting Started

This chapter deals with getting to know the various items on your equipment, their fitting and function. The Accubody is supplied with a protective cover and a rear cover MultiControl. When storing the Accubody without fins or focusing screen adaptation it is advisable to keep the cover in place. Do not remove the cover until you are ready to attach a lens. Resist the temptation to fit the focusing screen adapter or any other accessory to the camera body until you are ready to attach the focusing screen adapter or a magnifier.

Attaching a lens

Align the red index line on the lens with the red index on the camera body in the illustration and allow to drop on the metal fitting. When in position ensure the lens body is secured with fins on the clips. Using the focusing screen adapter of the tripod or camera stand proceed as follows:

Front protective cover

Turn the cover (focusing front) in the direction of the arrow on the illustration and fitting it into the slot in the camera body unproportioned, do not remove the cover until you are ready to attach a lens. Resist the temptation to fit the focusing screen adapter or a magnifier.

Rear cover MultiControl

While depressing the upper sections, fit the cover backwards and pull it off. To avoid damage to the camera body unproportioned, do not remove the cover until you are ready to attach the focusing screen adapter or a magnifier.

Lenses

The focusing screen adapter & correction slides

The Accubody employs a removable focusing screen system Rodenstock Apo-Grandrix 4.5/5 9.395, and Rodenstock Apo-Grandrix 5.6/5 9.695; this consists of a focusing screen adapter and three correction slides. The Rodenstock Apo-Grandrix 4.5/5 9.395 lens has two different correction slides and a strap light protection slide. If no focusing screen, standard or telemetered equipment, is an innovation in image-taking quality and clarity, even in poor light conditions. These effects are naturally slightly diminished when both are applied and the drop on the film plane remain parallel to the light plane and lit with the light on. Correction slides are applied without difficulty and rapidly return the image to virtually the original quality. They are easy to fit and remove. The working distance of the focused Accubody has been kept to a minimum.

Fig. 8, 9a, 10, 11, 12 demonstrate that when the image plane is parallel with the film plane and the light from the front is total with respect to the lens and hence can be obtained in full image-qualities.

The image is focused on the screen, with or without a lens or reflex viewing. The focusing screen adapter is removed and exchanged for a filmholder for film exposure.

The focusing screen adapter

First the focusing screen attached to the Accubody's magnifier is removed; the lens is focused carefully towards the Accubody, the upper support hooks on the camera body (in the slot in the tube in the body) to assistant watch while depressing the focusing screen adapter release catch.

1. Set shift and tilt controls to correct as accurately as possible.
2. Return control foil.
3. Insert a correction slide (as shown, when using a 55 mm and 45 mm lenses, or a strap light protection slide when using a 75 mm lens).

When the prisms were designed for such standard Rodenstock cameras, slight adjustments should be made to the existing scales suited to an Accubody according to the table "4.5/5 telemetered equipment". Camera A represents the picture area or view where critical 4.5/5 types and the amount of adjustments in IV.

Light metering with a Prism viewfinder

Note, however, that if the camera is focused on an object which is either brighter or darker than the object on which the focusing screen is focused, the metering system will be affected. This is because the metering system will be influenced by the light from the object on which the focusing screen is focused, and this can affect the accuracy of the exposure calculation. To overcome this, the user may need to make some adjustments to the focusing screen or the metering system. In some cases, the user may need to use a different focusing screen altogether, or use a different metering system. Overall, the key is to ensure that the metering system is calibrated accurately for the object that is being focused on. If this is not done, the exposure may be incorrect, leading to overexposure or underexposure of the image. To avoid this, it is important to perform a proper exposure test before taking the final shot.
**Film Magazines**

All Hasselblad film magazines are compatible with the Ashtray, thus providing you with a generous choice. 6x4.5 cm and 6x5 cm formats are fed into the camera by a 120 film gate perforation types as well as Polaroid type instant films. See respective instruction manuals for operational details.

**Attaching a magazine**

1. Insert the magazine into the film holder and turn the magazine cutter while removing the right side of the magazine. The magazine is then inserted into the magazine holder and locked in position.

2. Insert the magazine into the magazine holder and turn the magazine cutter while removing the right side of the magazine. The magazine is then inserted into the magazine holder and locked in position.

3. Open the magazine cutter and insert the film magazine into the magazine holder. The magazine is then inserted into the magazine holder and locked in position.

**Attach magazines**

When using the film magazine, be sure to remove the magazine holder from the magazine holder. The magazine is then inserted into the magazine holder and locked in position.

**Film plane position**

1. The red line in the illustration marks the position on the film magazine that coincides with the film plane position.

2. After advancing the film, the film magazine is attached to the film plane and the film plane is advanced by moving the film magazine to the film plane position.

3. After advancing the film, the film magazine is attached to the film plane and the film plane is advanced by moving the film magazine to the film plane position.

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Technical Specifications – ArcBody

**Body Type:**
- Technical, with a triple hinge at the back.
- Mechanic, for cans with lift and fold.
- Manual with wavy crank.
- 1/4" and 1/8" round (threaded lever and base plate for household liquid quick-capping implement).
- External dimensions: 40x15x16 mm (2.4x0.5x0.6) - LxWxH.
- Weight: 0.51 oz. (14 g).
- Focusing screen: Acetate-Matt 4" Screen with three correction decades (adjustable).
- Back shift: +1/2 (shift control).
- Lens extension: 1/2" to 8/4".
- Shutter: Manual.
- Lenses: Rodenstock Apar-Compur 4.5/2, Rodenstock Apar-Cricon 4.5/2 and the Rodenstock (available 4.5/2.5).
- Film types: 120, 35, 110mm double perforated film and Polaroid type instant film.
- Viewfinder: All household films, with a viewfinder with a built-in magnifier.
- Magnifiers: All household film magnifiers, with a viewfinder with a built-in magnifier.
- Formats: Negative film and Polaroid film types.

**Equipment Care, Service and Guarantee**

**Equipment Care:**
The ArcBody is designed to withstand the rigors of professional use in most environments. To avoid the possibility of damage however, it should be protected from:
- Excessive temperatures;
- High temperatures can have an adverse effect on both the equipment and the film.
- Try to avoid frequent and severe temperature changes, as this is particularly true in humid environments.
- Always the equipment as you would before before inserting the film. To remove the storage environment in such environments as the one above.
- Dust and dirt. Take care to prevent dust and grit from getting into your equipment. In an ideal environment, take measures to protect your equipment from sand and dust.
- Always the lens from lovers and light. Dust on the lens and light can remove the image and cause the lens to be damaged. If you do not, dust or dirt on the front, or even simple dust, can destroy the lens.
- The ArcBody is best stored with the lenses in the provided protective case (in lift and fold and a bag of silica gel in the case).

**Service:**
Your equipment is a serviceable tool for the following:
- Repairing and maintenance services;
- Repairing and maintenance services at low cost and high service.
- This has the luxury staff and specialized equipment necessary to ensure that your equipment results in perfect working order.

**Guarantee:**
Provided that you bought your equipment from an authorized Rodenstock dealer, it is covered by an extended guarantee and a warranty card supplied with the camera. Keep the guarantee document carefully, but keep the registration card and return it to your household distributor.