

H A S S E L B L A D

PRODUCT CATALOG 1998

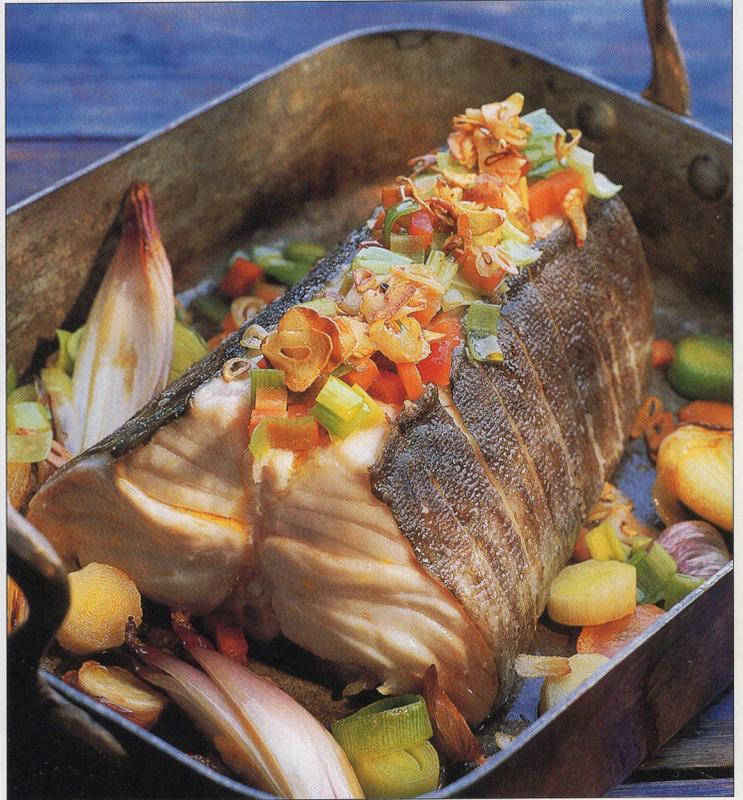


Photo: Tomas Yeh



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H A S S E L B L A D



THE CAMERA SYSTEM
50 YEARS • 1948-1998

Welcome to Hasselblad

Hasselblad is the world's largest and most comprehensive camera system for medium format photography.

It is a truly professional system, designed without compromise to provide you with unlimited potential for superb image quality.

It is also a system which offers you creative freedom. Thanks to the wide variety of camera models and interchangeable accessories, you can readily select and combine items which perfectly match your work and style. You will never find yourself trapped in a corner!

The unique compatibility throughout the system ensures that most accessories will fit every camera, regardless of model and age. As new products are released, they can be smoothly integrated with your present equipment, keeping your kit continuously updated.

This catalogue presents the entire Hasselblad system to you, from the ten camera models down to the very last accessory.

You are welcome to visit your local dealer to see the Hasselblad system in reality – and to try it out yourself.

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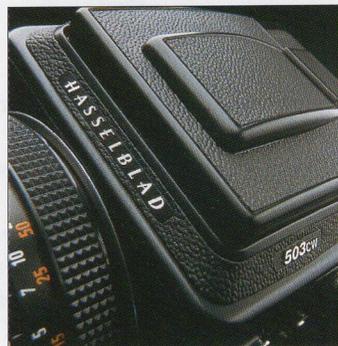
CAMERAS

The outstanding image quality, proven reliability and durable design have made Hasselblad cameras the first choice of the world's leading photographers. Within the Hasselblad system you can choose between ten different camera models offering various features to perfectly match your requirements and way of working.

500 SERIES

The primary series which has been developed and refined for nearly half a century. Its three camera models are designed for Hasselblad CF/CFE and CB lenses with built-in leaf shutters, providing shutter as well as flash sync speeds of up to 1/500 s.

The 503CW and 553ELX models are equipped with the Hasselblad TTL/OTF flash metering system. The 553ELX features a built-in motor, while the 503CW can be readily motorized by attaching an optional winder.



200 SERIES

This is the latest generation of Hasselblad cameras. Equipped with electronically controlled focal plane shutters providing shutter speeds of up to 1/2000 s, they are designed to work with the large aperture FE lenses. But lenses with built-in leaf shutters can also be used.

Three of the 200 series models feature an extremely precise multi-mode exposure metering system that compiles information via databus connections from the FE or CFE lens, the exceptionally sensitive TTL light meter and the film speed setting on the magazine.

All 200 series models can be motorized with an optional winder accessory.

WIDE-ANGLE and TECHNICAL CAMERAS

Whenever maximum image quality has top priority in wide-angle photography, the 903SWC is the obvious choice. It is uncompromisingly built for one of the world's finest wide-angle lenses, the Zeiss Biogon CF 38 mm.

Two technical cameras with shift and tilt facilities allow adjustment of perspective and depth-of-field. The advanced ArcBody has a generous shift potential, which makes it ideal when there is a need to correct the perspective. The FlexBody, is an ideal complementary product for existing Hasselblad owners, providing the option to adjust the depth-of-field.



500 SERIES

501CM

The primary model for a vast variety of photographic applications

For many photographers, amateurs and professionals alike, the 501CM is the gateway to medium format and the superb Hasselblad image quality. Its totally battery-independent operation also appeals to Hasselblad owners who need a back-up camera in their outfit. The patented Gliding Mirror System (GMS) provides a full viewfinder image with virtually all lenses, irrespective of focal length. It is compatible with all CF/CFE and CB lenses, film magazines, viewfinders and most current and previous accessories.

503CW

The versatile and most advanced 500 series model for demanding professional photography

The 503CW is the reliable tool for all discerning photographers. The built-in TTL flash metering system, which automatically measures the light off the film for consistent flash exposures, as well as the option to use the Winder CW, even with remote control, make it convenient to operate in or out of the studio. It is fitted with the Gliding Mirror System (GMS) to provide a full viewfinder image with virtually all lenses, irrespective of focal length. It is compatible with all CF/CFE and CB lenses, film magazines, viewfinders and most current and previous accessories.

553ELX

The untiring motorized work-horse for heavy-duty studio work

The integral motor of the 553ELX advances the film and rewinds the shutter after each exposure, allowing sequences of up to 1.2 frames/s. TTL/OTF flash metering system facilitates flash photography and ensures consistent flash exposures. Instead of GMS the 553ELX has an extra long mirror. It is compatible with all CF/CFE and CB lenses, film magazines, viewfinders and most current and previous accessories.

501CM

Available in chrome or black trim and supplied as a separate body or as a kit comprising camera body, lens and film magazine.

Weight: body only 590 g (1 lb 5 oz),
kit 1565 g (3 lb 7 oz).



501CM camera body, chrome

Code 10238

Supplied with the following equipment:

Focusing hood, chrome	42315
Focusing screen Acute-Matte D	42204
Standard strap	59110
Front protective cover	51438
Rear cover MultiControl	51070

501CM camera body, black

10240

Supplied as 10238 above, but equipped with black Focusing hood 42323.

501CM standard kit, chrome

11051

Complete camera comprising
501CM camera body, chrome
Zeiss Planar CB 2.8/80 mm (see page 15)
and Film magazine A12 – 6x6, chrome (see page 24).

501CM standard kit, black

11054

Complete camera comprising
501CM camera body, black
Zeiss Planar CB 2.8/80 mm (see page 15)
and Film magazine A12 – 6x6, black (see page 24).

503CW

Available in chrome or black trim and supplied as a separate body or as a kit comprising camera body, lens and film magazine.
Weight: body only 610 g (1 lb 6 oz), kit 1585 g (3 lb 8 oz).



503CW camera body, chrome

Code **10243**

Supplied with the following equipment:

- Winding crank E **44086**
- Focusing hood, chrome **42315**
- Focusing screen Acute-Matte D **42204**
- Standard strap **59110**
- Front protective cover **51438**
- Rear cover MultiControl **51070**

503CW camera body, black

10246

Supplied as 10243 above, but equipped with black Focusing hood 42323.

503CW standard kit, chrome

11068

Complete camera comprising 503CW camera body, chrome
Zeiss Planar CF 2.8/80 mm (see page 12)
and Film magazine A12 – 6x6, chrome (see page 24).

503CW standard kit, black

11070

Complete camera comprising 503CW camera body, black
Zeiss Planar CF 2.8/80 mm (see page 12)
and Film magazine A12 – 6x6, black (see page 24).

553ELX

Available in chrome or black trim and supplied as a separate body without lens, film magazine and batteries.
Weight: camera body without batteries 1125 g (2 lb 8 oz).



553ELX camera body, chrome

Code **10067**

Supplied with the following equipment:

- Focusing hood, chrome **42315**
- Focusing screen Acute-Matte D **42204**
- Front protective cover **51438**
- Rear cover MultiControl **51070**
- Carrying strap **46140**
- Fuses, 2 pcs **56111**
- Release button **46116**
- Release cord FK30 **46043**

553ELX camera body, black

10221

Supplied as 10067 above, but equipped with black Focusing hood 42323.

200 SERIES

202FA Efficient and easy to use for hand-held work in varying lighting conditions

A camera that combines professional image quality with ease of operation. With the Winder F and the selective area TTL metering system set to automatic exposure, you can work efficiently with full concentration on the subject. The use of flash is facilitated by the built-in TTL/OTF flash metering. The camera is primarily designed for the FE lenses, but can also use the CF/CFE lens range, utilizing the focal plane shutter only. The shutter provides speeds from 34 min to 1/1000 s.

203FE Fast and accurate for critical indoor or outdoor photography

Equipped with selective area TTL exposure metering and focal plane shutter speeds up to 1/2000 s, the 203FE is ideal for fast moving subjects in rapidly changing lighting conditions. The state-of-the-art electronics allow automatically controlled exposures, bracketing and flash. It is primarily designed for FE and CFE lenses with databus connections, but can also be used with CF and CB lenses. With a leaf shutter lens either the leaf or the focal plane shutter can be utilized. The 203FE is compatible with most current and previous accessories, including the Winder F.

205FCC The precise photographic instrument for total exposure control

The most advanced Hasselblad camera model featuring an extremely precise spot metering system. Its multi-mode aperture-priority metering options provide total exposure control in both colour and black/white photography. You can choose between four different function modes, as well as auto bracketing and fill-in flash control. The electronically controlled focal plane shutter provides shutter speeds from 34 min up to 1/2000 s. Like the 203FE, the 205FCC is primarily designed for FE and CFE lenses, but will accept all Hasselblad lenses, the Winder F and most current and previous accessories.

201F



Lightweight and professional in the studio and on location

A focal plane shutter camera with shutter speeds from 1 s to 1/1000 s and built-in TTL/OTF flash metering system. It uses the FE lenses, but can also be fitted with leaf shutter lenses. Adapted for Winder F and compatible with the Hasselblad system. Weight: body only 730 g (1 lb 10 oz).

201F camera body, chrome

Code **10529**

201F camera body, black

10532

The 201F is to be discontinued during 1998. Please ask your local dealer about availability.

202FA

Available in chrome or black trim and supplied as a separate body or as a kit comprising camera body, lens and film magazine.

Weight: body only 750 g (1 lb 10 oz), kit 1630 g (3 lb 9 oz).



202FA camera body, chrome

Code **10542**

Supplied with the following equipment:

Winding crank E	44086
Focusing hood E, chrome	42317
Focusing screen Acute-Matte D 202/203	42210
Standard strap	59110
Front protective cover	51438
Rear cover MultiControl	51070

202FA camera body, black

10546

Supplied as 10542 above, but equipped with black Focusing hood E 42325.

202FA standard kit, chrome

11099

Complete camera comprising 202FA camera body, chrome Zeiss Planar FE 2.8/80 mm (*see page 16*) and Film magazine E12 – 6x6, chrome (*see page 25*).

202FA standard kit, black

11101

Complete camera comprising 202FA camera body, black Zeiss Planar FE 2.8/80 mm (*see page 16*) and Film magazine E12 – 6x6, black (*see page 25*).

203FE

Available in chrome or black trim and supplied as a separate body or as a kit comprising camera body, lens and film magazine.

Weight: body only 760 g (1 lb 11 oz),
kit 1640 g (3 lb 10 oz).



203FE camera body, chrome

Code **10561**

Supplied with the following equipment:

Winding crank E	44086
Focusing hood E, chrome	42317
Focusing screen Acute-Matte D 202/203	42210
Standard strap	59110
Front protective cover	51438
Rear cover MultiControl	51070

203FE camera body, black

10574

Supplied as 10561 above, but equipped with black Focusing hood E 42325.

203FE standard kit, chrome

11104

Complete camera comprising 203FE camera body, chrome
Zeiss Planar FE 2.8/80 mm (see page 16)
and Film magazine E12 – 6x6, chrome (see page 25).

203FE standard kit, black

11106

Complete camera comprising 203FE camera body, black
Zeiss Planar FE 2.8/80 mm (see page 16)
and Film magazine E12 – 6x6, black (see page 25).

205FCC

Available in chrome trim and supplied as a separate body or as a kit comprising camera body, lens and film magazine.

Weight: body only 760 g (1 lb 11 oz),
kit 1640 g (3 lb 10 oz).



205FCC camera body, chrome

Code **10588**

Supplied with the following equipment:

Winding crank E	44086
Focusing hood E, chrome	42317
Focusing screen Acute-Matte D 205	42213
Standard strap	59110
Front protective cover	51438
Rear cover MultiControl	51070

205FCC standard kit, chrome

11128

Complete camera comprising 205FCC camera body, chrome
Zeiss Planar FE 2.8/80 mm (see page 16)
and Film magazine E12 CC – 6x6, chrome (see page 25).

WIDE - ANGLE and TECHNICAL CAMERAS

903swc

The ultimate super wide-angle camera for all-round architectural, landscape and industrial photography

The 903SWC camera is uncompromisingly designed for top quality wide-angle photography. The permanently attached Zeiss Biogon CF 38 mm lens provides a diagonal 91° angle of view, virtually distortion-free image reproduction, superb corner-to-corner sharpness and remarkable depth-of-field. The optical viewfinder incorporates a spirit level, which facilitates horizontal positioning of the camera. The 903SWC accepts all Hasselblad film magazines as well as a focusing screen adapter, which makes it possible to use any Hasselblad viewfinder.

See facts about the Biogon CF 38 mm on pages 11-12.

ArcBody

The compact shift and tilt camera system for perspective and depth-of-field control

The ArcBody with its own accessory system and a special range of Rodenstock lenses is a powerful medium format technical camera. The large image circles of the lenses provide a shift capability of 0-28 mm without any vignetting of the film. With its generous shift potential and additional tilt function it is the perfect tool for controlling the perspective and depth-of-field in critical indoor or outdoor architectural photography. All Hasselblad film magazines are compatible with the ArcBody and using a focusing screen adapter you can fit any of the Hasselblad viewfinders.

NOTE: ArcBody can only be used with the special range of Rodenstock lenses. See page 9.

FlexBody

The ideal tilt and shift tool for creative and experimental work

The FlexBody offers the creative Hasselblad owner a broader spectrum of image variations and effects than conventional medium format cameras. The bellows and adjustable rear standard provide a $\pm 28^\circ$ tilt capability for depth-of-field control as well as offering a shift option. With its variable extension of up to 22 mm, the FlexBody can also be used for close-ups. As it uses the Hasselblad leaf shutter lenses, film magazines and a focusing screen adapter for the viewfinders, the FlexBody is easy to integrate into an existing Hasselblad outfit.

903SWC

Available in chrome or black trim and supplied as a separate body with optical viewfinder and fixed Zeiss Biogon CF 4.5/38 mm lens.

Weight: 940 g (2 lb 1 oz).



903SWC camera body, chrome

Supplied with the following equipment:

Viewfinder SWC	52036
Standard strap	59110
Front lens cap	51643
Rear cover MultiControl	51070

903SWC camera body, black

Supplied as 10052 above.

Zeiss Biogon CF 4.5/38 mm

See description and table on pages 11-12 for detailed information.

Code **10052**

10201

ArcBody

Supplied as a separate body with basic accessories but without lens and film magazine, or as a kit also including the Rodenstock 45 mm lens, Centre filter and viewfinder RMfx.
Weight: body only 550 g (1 lb 3 oz).



ArcBody

Supplied with the following equipment:

Focusing screen adapter, standard	41057
Correction slide S (small)	47003
Correction slide M (medium)	47007
Correction slide L (large)	47011
Cable release	57689
Filter holder	57695
Centre filter holder	47018
Lens shade 35/45	47024
Rear cover MultiControl	51070
Front cover ArcBody	57692
Carrying case	58480

ArcBody standard kit

Consists of 17015 ArcBody as listed above, plus the following:

Rodenstock Apo-Grandagon 4.5/45 mm	27045
Centre filter	47057
Reflex viewfinder RMfx	47070

ArcBody lenses

All lenses supplied with 57692 Front lens cap ArcBody, rear lens cap and lens pouch.

Rodenstock Apo-Grandagon 4.5/35 mm	27035
Supplied with Rear lens cap	50571
Rodenstock Apo-Grandagon 4.5/45 mm	27045
Supplied with Rear lens cap	50377
Rodenstock Grandagon-N 4.5/75 mm	27075
Supplied with Rear lens cap	50377

and the following equipment: ▶

FlexBody

Supplied with its basic accessories, without lens and film magazine.
Weight: body only 700 g (1 lb 9 oz).



FlexBody

Supplied with the following equipment:

Focusing screen adapter standard	41057
Stray light protection slide	72411
Correction slide 10°	72413
Correction slide 20°	72415
Cable release	72513
Open L-connector	50776
Format mask 4x5 cm	72419
Stray light mask	72422
Rear cover MultiControl	51070
Front protective cover	51438
Carrying case	72516

▶ Lens shade 75	47027
▶ Extension tube 26 ArcBody	47049
▶ Stray light protection slide	72411
▶ Correction slide 10°	72413
▶ Correction slide 20°	72415

Optional ArcBody accessories

Camera inverter mount	47033
Extension tube 8 ArcBody	47040
Extension tube 16 ArcBody	47045
Extension tube 26 ArcBody	47049
Centre filter	47057
Reflex viewfinder RMfx	47070

LENSES

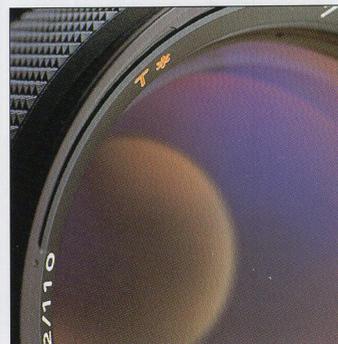
The superb image quality synonymous with Hasselblad cameras is the result of precise interaction between the parts forming the optical system. Using the Hasselblad modular design concept, with interchangeable system components, it is of utmost importance that all lenses, camera bodies, film magazines, focusing screens and viewfinders are individually calibrated and perfectly matched during the manufacturing process.

To ensure the highest possible optical quality, the wide range of lenses is built for Hasselblad by the world's most prominent lens manufacturers, such as Carl Zeiss in Germany.

CF/CFE LENSES

The main lens series with focal lengths from 30 mm to 500 mm. Primarily designed for the 500 series camera models, they feature a built-in leaf shutter providing the camera with both shutter and flash sync speeds up to 1/500 s.

The CF lenses can also be used on the 200 series camera models. When used on the 201F, 203FE and 205FCC you have the unique option to utilize either the lens leaf shutter or the camera's focal plane shutter. One leaf shutter lens, the Tele-Superachromat CFE 350 mm, transfers the aperture data to the metering system of these cameras, which explains the CFE designation.



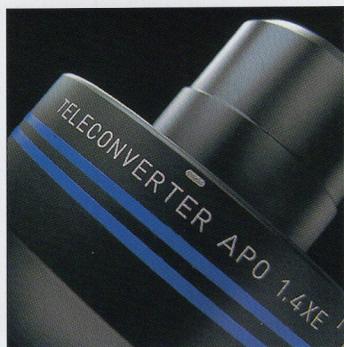
CB LENSES

The CB lens series, comprising three Zeiss lenses of 60, 80 and 160 mm focal lengths, combines superb image quality with a favourable price-level. Like the CF lenses, they have integral shutters and are primarily designed for the 500 series camera models, but can also be used on the 201F, 203FE and 205FCC cameras.

FE LENSES

The large aperture FE lenses with focal lengths from 50 mm to 350 mm, are exclusively designed for the 200 series cameras. These Hasselblad lenses do not have a built-in shutter. Instead the focal plane shutter of the camera is utilized. In this series you will find the fastest lens in medium format photography, the FE 110 mm with a maximum aperture of f/2.

All FE lenses feature databus connections, which automatically transfer information of the pre-set lens aperture to the exposure metering system of the 202FA, 203FE and 205FCC camera models.



CONVERTERS

The focal lengths of the Hasselblad lenses can be further extended by using dedicated converters.

CF lenses – wide-angle 30, 38, 40, 50 mm

Within the CF lens series the Distagon and Biogon lenses provide angles of view ranging from the extreme 180° "fish-eye" lens to a lens with a 75° diagonal angle of view giving a moderate wide-angle effect.

Technical specifications of the lenses on this page are presented in the table on the next page.



CF 38

Zeiss Biogon CF 4.5/38 mm

The Biogon lens with a 91° diagonal angle of view is virtually distortion-free and offers remarkable close focusing and superb corner-to-corner sharpness. At f/22 the depth-of-field ranges from 0.6 m (26") to infinity. It is permanently attached to the 903SWC camera body.



CF 30

Code 20177

Zeiss Distagon CF 3.5/30 mm

This Hasselblad "fish-eye" lens covers the entire 6x6 cm field with corner-to-corner sharpness, even with the lens wide open. Supplied in a leather case with three filters: a yellow 50636, an orange 50644, a conversion filter for using daylight-type film in tungsten light 50652, plus a neutral glass 50660.



CF 40

Code 20037

Zeiss Distagon CF 4/40 mm

This optic has an extreme wide-angle effect with an 88° diagonal angle of view. It has a compact construction and floating lens elements (FLE) for optimum quality in the close-up focusing range. Supplied with a Ø93 lens shade, which also serves as a filter holder.



CF 50

Code 20046

Zeiss Distagon CF 4/50 mm

An all-round wide-angle lens with floating lens elements (FLE) for superbly sharp images even in close-up work. The 75° diagonal angle of view gives a moderate wide-angle effect.

CF lenses – standard 80, medium 100, macro 120, 135 mm

	DISTAGON CF 30	BIOGON CF 38	DISTAGON CF 40	DISTAGON CF 50	PLANAR CF 80	PLANAR CF 100	MAKRO-PLANAR CF 120	MAKRO-PLANAR CF 135
Max. aperture	3.5	4.5	4	4	2.8	3.5	4	5.6
Focal length	30 mm	38 mm	40 mm	50 mm	80 mm	100 mm	120 mm	135 mm
Diaphragm	3.5–22	4.5–22	4–22	4–32	2.8–22	3.5–22	4–32	5.6–45
Angle of view diagonal/horizontal	180°/112°	91°/72°	88°/67°	75°/57°	52°/38°	42°/30°	37°/25°	32°/23°
No. of elements	8 T*	8 T*	11 T*	9 T*	7 T*	5 T*	6 T*	7 T*
Focusing range	0.3 m–∞ (1')	0.3 m–∞ (1')	0.5 m–∞ (1' 7")	0.5 m–∞ (1' 7")	0.9 m–∞ (3')	0.9 m–∞ (3')	0.8 m–∞ (2' 7")	–
Weight	1365 g (3 lb 14 oz)	875 g (1 lb 15 oz) ²⁾	915 g (2 lb 0.25 oz)	800 g (1 lb 12 oz)	510 g (1 lb 2 oz)	605 g (1 lb 5.25 oz)	695 g (1 lb 8.5 oz)	625 g (1 lb 6 oz)
Length	117.5 mm (4.6")	126 mm (5") ²⁾	102 mm (4")	95 mm (3.75")	65 mm (2.55")	75 mm (2.95")	99 mm (3.89")	87 mm (3.42")
Filters	Ø26	Ø60	Ø93	Ø60	Ø60	Ø60	Ø60	Ø60
Close-up attachments (Proxars)		Ø60		Ø60	Ø60	Ø60	Ø60	Ø60
Lens shade		40668	40693	40668	40670	40673	40673	40673
Professional lens shade		40739	40739	40739	40739	40739	40739	40739
ACCESSORIES INCLUDED	¹⁾	³⁾	⁴⁾					
Front lens cap	51659	51643	51654	51643	51643	51643	51643	51643
Rear lens cap	50377		50377	50377	50377	50377	50377	50571
Lens pouch/case	58157		58432	58416	58408	58408	58416	58416

¹⁾ Supplied in case 58157 and with all Ø26 filters. ²⁾ Incl. 903SWC camera body. ³⁾ See 903SWC page 8. ⁴⁾ Supplied with lens shade Ø93/40 40693.

The Planar lenses combine relatively large apertures and high resolution with compact design and low weight.



CF 80 Code 20029

Zeiss Planar CF 2.8/80 mm
The standard Hasselblad lens. A classic lens design yielding outstanding performance. The wide aperture facilitates photography in poor light and ensures a bright viewfinder image.



CF 100 Code 20126

Zeiss Planar CF 3.5/100 mm
This lens of unique optical design, provides an optimum relationship between lens speed and focal length in a top-performance lens.

Superb distortion correction makes this lens ideal for architectural, copying and similar applications, as well as aerial documentary photography.



CF 120 Code 20053

Zeiss Makro-Planar CF 4/120 mm

Primarily a special-purpose lens for close-up photography, it also has many other applications. Its relatively large maximum aperture is important when the lens is used at long extensions, where light fall-off would otherwise make it difficult to focus.

A good choice for close product photography.



CF 135 Code 20118

Zeiss Makro-Planar CF 5.6/135 mm

A special-purpose lens used in conjunction with the Hasselblad Automatic bellows extension 40517. It cannot be attached directly to any camera. Primarily a close-up lens, it also has many other applications. At the longest bellows extension of 202 mm (8") the lens gives a 1:1 scale of reproduction. The shortest extension of 63.5 mm (2.5") focuses to infinity.

CF lenses – telephoto 150, 180, 250, 500 mm

SONNAR CF 150	SONNAR CF 180	SONNAR CF 250	TELE-APOTESSAR CF 500	VARIOGON CF 140-280	SUPERACHROMAT CF 250 Sa	TELE-SUPER- ACHROMAT CFE 350
150 mm	180 mm	250 mm	500 mm	140-280 mm	250 mm	350 mm
4-32	4-32	5.6-45	8-64	5.6-45	5.6-45	5.6-45
30°/21°	24°/17°	17°/12°	9.0°/6.4°	16-30°/11-22°	17°/12°	13°/9°
5 T*	5 T*	4 T*	5 T*	17 (multicoating)	6	9 T*
1.4 m-∞ (4' 6")	1.55 m-∞ (5')	2.5 m-∞ (8' 6")	5 m-∞ (16' 5")	2.5 m-∞ (8' 3") + Macro	3 m-∞ (10')	3.75 m-∞ (12' 6")
785 g (1 lb 11.25 oz)	1075 g (2 lb 5.75 oz)	1000 g (2 lb 3.25 oz)	1810 g (3 lb 15.75 oz)	1850 g (4 lb 1.25 oz)	985 g (2 lb 2.5 oz)	1800 g (3 lb 15 oz)
101 mm (4")	128 mm (5.03")	164 mm (6.45")	329 mm (12.95")	240 mm (9.44")	164 mm (6.45")	235 mm (9.25")
Ø60	Ø60	Ø60	Ø93	Ø93	Ø60	Ø93
Ø60	Ø60	Ø60			Ø60	
40673	40673	40673	40703	51470	40673	40703
40739	40739	40739	40739	40739	40739	40739
51643	51643	51643	51654	51462	51643	51654
50377	50377	50377	50377	50377	50377	50377
58416	58424	58424	58351	58378	58424	58378

In this range of lenses are Sonnar and Tessar designs, characterized by long focal lengths combined with small dimensions. Light, compact and well-balanced they can be hand-held with fast shutter speeds.



CF 150 Code 20061

Zeiss Sonnar CF 4/150 mm
A lens with a moderate but still unmistakable telephoto effect – shallow depth-of-field and compressed perspective. A popular lens for portraits and many other applications.



CF 180 Code 20072

Zeiss Sonnar CF 4/180 mm
A lens with a focal length suitable for demanding portrait work and commercial photography. This compact lens with its relatively long focal length, has remarkable qualities over the entire focusing range even at maximum aperture.



CF 250 Code 20080

Zeiss Sonnar CF 5.6/250 mm
True telephoto effect combined with compact design for ease of handling. Excellent for tightly framed shots without crowding the subject. Its shallow depth-of-field can be used to throw an extraneous background out of focus.



CF 500 Code 20088

Zeiss Tele-Apotessar CF 8/500 mm
A powerful telephoto lens. The Tele-Apotessar has superior correction for chromatic aberrations. Its internal focusing system allows the lens to focus down to the closest focusing distance 5 m (16' 5") without the length of the lens or the centre of gravity changing. It features a quick-coupling plate for tripod connection. Supplied in a leather case with a shoulder strap.

The superachromatic lenses are the top-of-the-line lenses of the Hasselblad system. The chromatic correction is so perfect, that all spectral colours from a point source within the lens field of view are refracted to one single point in the film plane. Consequently, colour fringing has been eliminated. Even when working within the infrared spectral range, focusing can be done on the focusing screen – no special index is needed.

The Tele-Superachromat CFE 350 mm combines the best from CF and FE lens designs. As it features both leaf shutter and databus connections it can be used without limitations with the 500 series camera models as well as the models of the 200 series which are fitted with an exposure metering system.



CF 140-280 Code 20215

**Schneider Variogon
CF 5.6/140-280 mm**

This zoom lens has a continuously variable 140-280 mm focal length and a fully synchronized built-in leaf shutter. The Variogon is a special lens which offers the Hasselblad photographer even more new and exciting opportunities for novel photographic solutions and creative fresh ideas.

A quick-coupling plate with a 3/8" tripod thread facilitates attachment of the camera to a tripod. Supplied in a leather case with a shoulder strap.



CF 250 Sa Code 20193

**Zeiss Sonnar Superachromat (Sa)
CF 5.6/250 mm**

A special-purpose lens with unique optical design which gives perfect chromatic correction without sacrificing correction for distortion or other aberrations.

An ideal lens for scientific applications, especially multi-spectral photography, it is also useful in many other fields. Spectral range of 400-1000 nm.



CFE 350 Sa Code 20186

**Zeiss Tele-Superachromat (Sa)
CFE 5.6/350 mm**

High performance superachromatic telephoto lens, which produces exceptional image quality even at maximum aperture. Spectral range 400-1000 nm. Internal focusing and near and far focusing limiters which can be individually set. An integral Quick-coupling plate S allows balanced mounting on the tripod.

Databus connections for compatibility with the 200 series camera models with metering systems. Supplied in a leather case with a shoulder strap.

Teleconverter APO 1.4XE Code 20613

Optimized for the CFE 350 Sa
See page 18 for details.

Technical specifications of the lenses on this page are presented in the table on page 13.

CB lenses – 60, 80, 160 mm

	DISTAGON CB 60	PLANAR CB 80	TESSAR CB 160
Max. aperture	3.5	2.8	4.8
Focal length	60 mm	80 mm	160 mm
Diaphragm	3.5–22	2.8–22	4.8–32
Angle of view diagonal/horizontal	67°/50°	52°/38°	27°/19°
No. of elements	7 T*	6 T*	4 T*
Focusing range	0.6 m–∞ (2')	0.9 m–∞ (3')	1.5 m–∞ (5')
Weight	680 g (1 lb 8 oz)	550 g (1 lb 3 oz)	650 g (1 lb 7 oz)
Length	83 mm (3.27")	65 mm (2.56")	114 mm (4.49")
Filters	Ø60	Ø60	Ø60
Close-up attachments (Proxars)	Ø60	Ø60	Ø60
Lens shade	40668	40670	40673
Professional lens shade	40739	40739	40739
ACCESSORIES INCLUDED			
Front lens cap	51643	51643	51643
Rear lens cap	50377	50377	50377
Lens pouch	58416	58408	58416

The three Zeiss lenses in the CB series combine superb image quality with a favourable price-level. With focal lengths of 60, 80 and 160 mm, they are able to fulfil almost all general assignments.

A low-friction focusing mechanism provides exceptionally precise focusing and all grips are rounded for operating comfort. Another feature is that the flash terminal has an active lock for the PC connector.

The CB lenses have built-in leaf shutters with flash sync at all speeds, from 1 to 1/500 s. Lacking the "F" setting of CF lenses, the CB range is primarily intended for the 500 series camera models, but can also be used on the 200 series models, except the 202FA.



CB 60

Code **20208**

Zeiss Distagon CB 3.5/60 mm

A fast and compact retro-focus wide-angle lens, ideal for detailed interiors, group portraits and wedding coverage, as well as for many advertising and industrial applications. Even at full aperture in ambient light conditions, this versatile lens provides superb image quality.



CB 80

Code **20032**

Zeiss Planar CB 2.8/80 mm

This classic standard lens, which features extremely uniform edge-to-edge sharpness and flatness of the image field, is suitable for almost any application in general photography. The wide aperture of f/2.8 facilitates work in poor light and ensures a bright viewfinder image.



CB 160

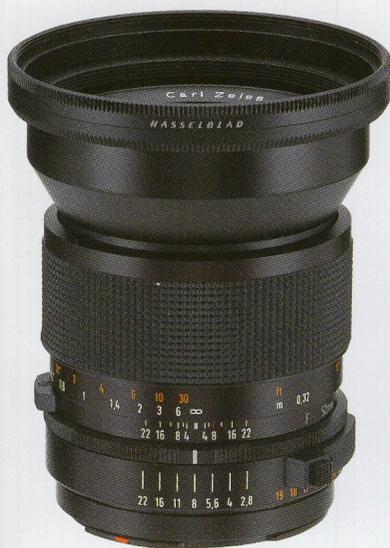
Code **20068**

Zeiss Tessar CB 4.8/160 mm

The Tessar design makes the CB 160 mm lens lightweight and compact. The 160 mm focal length yields a moderate but distinct telephoto effect, shallow depth-of-field and compressed perspective. It is the perfect lens for portraits and similar applications.

FE lenses – 50, 80, 110 mm, zoom 60-120 mm

	DISTAGON FE 50	PLANAR FE 80	PLANAR FE 110	HASSELBLAD FE 60-120	SONNAR FE 150	TELE-TESSAR FE 250	TELE-TESSAR FE 350
Max. aperture	2.8	2.8	2	4.8	2.8	4	4
Focal length	50 mm	80 mm	110 mm	60–120 mm	150 mm	250 mm	350 mm
Diaphragm	2.8–22	2.8–22	2–16	4.8–32	2.8–22	4–32	4–32
Angle of view, diag./horizontal	75°/56°	52°/38°	39°/28°	36–66°/26–49°	29°/21°	18°/13°	13°/9°
No. of elements	9 T*	7 T*	7 T*	13 (multicoating)	5 T*	5 T*	8 T*
Focusing range	0.32 m–∞ (12.8")	0.6 m–∞ (2')	0.8 m–∞ (2' 6")	1.2 m–∞ (4')	1.4 m–∞ (4' 6")	2.5 m–∞ (8' 3")	1.9 m–∞ (6' 3")
Weight	1240 g (2 lb 11.75 oz)	430 g (15.16 oz)	760 g (1 lb 10.75 oz)	1520 g (3 lb 6 oz)	710 g (1 lb 9 oz)	920 g (2 lb 0.5 oz)	2000 g (4 lb 6.5 oz)
Length	112 mm (4.4")	64 mm (2.5")	87 mm (3.42")	150 mm (5.91")	87 mm (3.42")	157 mm (6.18")	262 mm (10.3")
Filters	Ø93	Ø60	Ø70	Ø93	Ø70	Ø70	Ø93
Close-up attachments (Prokars)		Ø60					
Lens shade	40706	40670	40576	40767	40576	40576	40717
Professional lens shade	40739	40739	40739	40739	40739	40739	40739
ACCESSORIES INCLUDED							
Lens shade	40706			40767			40717
Front lens cap	51654	51643	51648	51654	51648	51648	51654
Rear lens cap	50377	50377	50377	50377	50377	50377	50377
Lens pouch/case	58432	58408	58416	58464	58416	58424	58378



FE 50 Code **20516**

**Zeiss Distagon
FE 2.8/50 mm**

A wide-angle lens with floating lens elements (FLE) for outstanding performance across its entire focusing range. The closest focusing distance is just 0.32 m (12.8"), opening up exciting possibilities for close-up pictures with interesting perspectives.



FE 80 Code **20508**

Zeiss Planar FE 2.8/80 mm

The classic Planar design is the lightweight standard lens for the Hasselblad 200 models. The design provides convenient focusing and a closest focusing distance of only 0.6 m (2').



FE 110 Code **20524**

Zeiss Planar FE 2/110 mm

An excellent alternative to the standard lens. The large maximum aperture can be used to create unfocused backgrounds or make use of fast shutter speeds.



FE 60-120 Code **20583**

Hasselblad FE 4.8/60-120 mm

Zoom range from moderate wide-angle to short telephoto. At all focal length settings the image quality is high and comparable with corresponding fixed focal length lenses. The set lens aperture does not change when zooming, which makes the lens easy to use with the 201F and previous 2000 series camera models without built-in metering systems. *To be introduced mid 1998.*

FE lenses – 150, 250, 350 mm

The Hasselblad FE lenses are designed for the 200 series camera models. As these cameras are equipped with focal plane shutters the FE lenses – unlike the CF/CFE/CB lenses – are designed without integral shutters. This allows a larger lens aperture. In this respect the Planar FE 110 mm is the fastest within medium format by having a maximum aperture of $f/2$.

All FE lenses feature databus connections, which automatically transfer information of the pre-set lens aperture to the exposure metering systems of the 202FA, 203FE and 205FCC camera models.

The FE lenses can also be used with all models of the earlier 2000 camera series.



FE 150

Code 20532

Zeiss Sonnar FE 2.8/150 mm

A short telephoto lens with a faster speed than its CF counterpart. A popular choice for portrait photography.



FE 250

Code 20540

Zeiss Tele-Tessar FE 4/250 mm

A telephoto lens with an unusually high speed for its focal length. An advantage in hand-held shots, allowing operation with faster shutter speeds. An ideal lens for sports, nature, and portrait photography.



FE 350

Code 20559

Zeiss Tele-Tessar FE 4/350 mm

A telephoto lens which is very fast for its focal length. Internal focusing for convenience and unusually short lens-to-subject distance.

A quick-coupling plate with a 1/4" tripod thread facilitates attachment to a tripod.

Supplied in a leather case with a shoulder strap.

Converters

Hasselblad converters are designed to be used with all current and previous Hasselblad SLR camera models. They feature the same outstanding optical and mechanical quality as the Hasselblad lenses and do not affect the closest focusing distance of the lenses they are combined with.

For metering use with the 202FA, 203FE and 205FCC camera models and FE/CFE lenses, the Teleconverter 1.4XE, Converter 2XE and Teleconverter APO 1.4XE are provided with databus connections.

The PC-Mutar 1.4X Shift Converter features a vertical shift facility for perspective control, e.g. to avoid converging lines in architectural photography.

	TELECONVERTER 1.4XE	CONVERTER 2XE	TELECONVERTER APO	PC-MUTAR 1.4X
Reduction of lens aperture	-1 f/stop (-1EV)	-2 f/stop (-2EV)	-1 f/stop (-1EV)	-1 f/stop (-1EV)
No. of elements	4 (multicoating)	7 (multicoating)	5 (multicoating)	5 T*
Weight	235 g (8 oz)	350 g (12 oz)	430 g (15 oz)	480 g (1 lb 1 oz)
Length	40 mm (1.57")	70 mm (2.75")	100 mm (4")	39 mm (1.5")
ACCESSORIES INCLUDED				
Front protective cover	51438	51438	40764	51438
Rear lens cap	50377	50377	50377	50377
Lens pouch	58408	58408	58416	58459
Double cable release				40751
Open L-connector				50776



Teleconverter 1.4XE

Code **20608**

The Teleconverter 1.4XE extends the focal length of the lens 1.4 times, reducing the lens aperture by only one f/stop. It is provided with databus connections and can be combined with all Hasselblad lenses of 100 mm focal length or longer, except the Makro-Planar CF 135 mm.

Its compact design makes the Teleconverter 1.4XE convenient to use and easy to include permanently in the camera outfit.



Converter 2XE

Code **20605**

The Converter 2XE doubles the focal length of the lens, reducing the lens aperture by only two f/stops. It can be combined with all Hasselblad lenses except the Makro-Planar CF 135 mm. The Makro-Planar CF 120 mm is recommended for use within the macro range only, not at infinity. Provided with databus connections.

By combining the Converter 2XE with the Tele-Apotessar CF 500 mm the range of Hasselblad lenses is extended to 1000 mm focal length.



Teleconverter APO 1.4XE

Code **20613**

The Teleconverter APO 1.4XE is optimized for the Tele-Superachromat CFE 350 mm. Extending the focal length 1.4 times and reducing the aperture by only one f/stop, the combination forms an excellent 490 mm lens.

It can also be used to advantage with the Sonnar CF 250 mm, Tele-Tessar CF 350 mm, Tele-Apotessar CF 500 mm and Tele-Tessar FE 350 mm.

Databus connections transmit data from FE and CFE lenses to the metering systems of the 200 series camera models.



Zeiss PC-Mutar 1.4X Shift Converter

Code **20311**

The PC-Mutar 1.4X not only extends the focal length of the lens 1.4 times, it also allows you to adjust the vertical perspective ± 8 -16 mm depending on which lens it is combined with. It can be used with all Hasselblad lenses with a focal length of between 40 and 100 mm.

Because the shift facility separates the camera from the lens mechanism the lens has to be separately wound and then released simultaneously with the camera using a double cable release (included).

NOTE: When used with the 553ELX or previous EL series models the Release adapter 46213 and Open L-connector 50776 have to be fixed between the cable release and the camera body. See page 32 for details.

Close-up accessories

For work below the close focusing limit of the lens, the Hasselblad system contains a wide range of close-up accessories. They can all be combined to achieve the scale of magnification desired.



40517



40525



Proxar



40649

40654

40655

40656

- Proxar 0.5 Ø60** Code **51662**
- Proxar 1.0 Ø60** **51665**
- Proxar 2.0 Ø60** **51667**

Proxar close-up lenses are available with three focal lengths: 0.5, 1.0 and 2.0 m which constitute the approx. focusing distances. They are designed for Hasselblad lenses with Ø60 front bayonet and can be combined to further decrease the focusing distance. The aperture of the lens is not affected when using Proxar lenses.

- Extension tube 8** Code **40649**
- Extension tube 16E** **40654**
- Extension tube 32E** **40655**
- Extension tube 56E** **40656**

The extension tubes can be combined to provide a variety of extensions. They connect to the lens and the camera mechanisms to fully utilize the camera's automatic functions.

Extension tubes type E fit all Hasselblad SLR camera models and FlexBody. They are equipped with databus connections which transmit the lens data to the 202FA, 203FE and 205FCC camera electronics.

NOTE: For physical reasons the Extension tube 8 cannot be connected directly to a 200 or 2000 series camera body. Also, as it does not feature databus connections the databus chain will be broken when used between a FE/CFE lens and an extension tube type E.

- Automatic bellows extension** Code **40517**

The bellows extension provides variable extension from 63.5 to 202 mm.

Combined with the Makro-Planar CF 135 mm it provides a focusing range from infinity down to a reproduction scale of 1:1.

The bellows extension interconnects the camera body and lens mechanisms. This means that the lens is used in the same way as when it is directly connected to the camera.

NOTE: The light metering function of the 202FA, 203FE and 205FCC will be restricted when using the bellows extension.

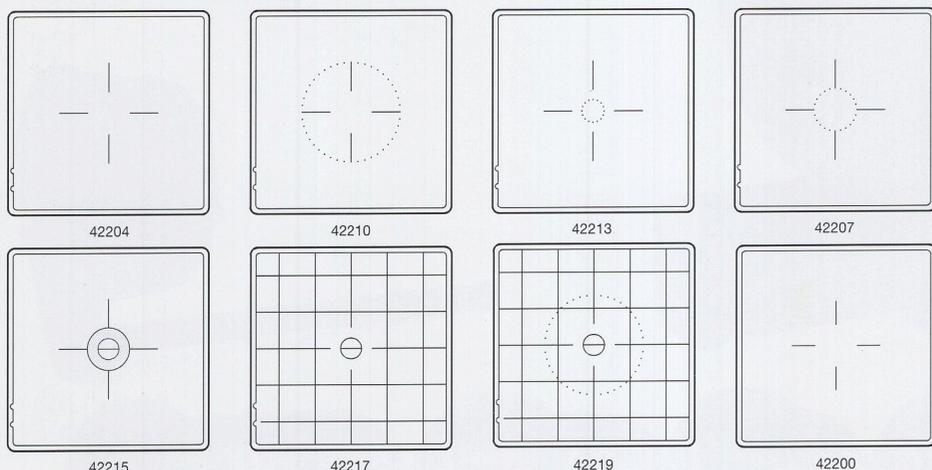
- Lens shade for automatic bellows extension** Code **40525**

Lens shade with fully adjustable compendium, which effectively shields the lens from stray light. A lens mounting ring is required to adapt the shade to the lens used.

See table page 31.

Focusing screens

The easily interchangeable Hasselblad focusing screens are extremely bright and clear. They feature different combinations of split-image and microprism rangefinders, reference crosses, grids and markings for light metering zones. Two focusing screen adapters make it possible to focus and compose the image at the film plane of all camera bodies including the ArcBody and FlexBody, or to use a meter prism viewfinder for TTL exposure metering.



*The focusing screens Acute-Matte D are designed by MINOLTA.

Focusing screens Acute-Matte D*

The Acute-Matte D-type focusing screens combine extreme brightness and clearness with even illumination, which remarkably facilitates quick and precise focusing. The Fresnel lens is cut with such high precision that the rings cannot be seen through the viewfinder.

All current Hasselblad reflex cameras are supplied with the Acute-Matte D focusing screen.

Focusing screen Code 42204 Acute-Matte D

The standard version of the Acute-Matte D screen. Clean design with a reference cross in the middle of the screen.

Focusing screen Code 42210 Acute-Matte D 202/203

For the Hasselblad 202FA and 203FE. With a reference cross and a Ø28 mm ring corresponding to the cameras' metering zone.

Focusing screen Code 42213 Acute-Matte D 205

For the Hasselblad 205FCC. With a reference cross and a Ø6 mm ring corresponding to the camera's spot metering zone.

Focusing screen Code 42207 Acute-Matte D PME90

With a Ø12 mm ring corresponding to the spot metering zone of the Meter prism viewfinder PME90.

Focusing screen Code 42215 Acute-Matte D with microprism and split-image rangefinder

With a Ø6 mm split-image rangefinder, within a central Ø12 mm microprism area.

Focusing screen Code 42217 Acute-Matte D with grid and split-image rangefinder

With a Ø6 mm split-image rangefinder and a grid which provides field markings for 6x4.5 cm (2 1/4x 1 5/8") and 4x4 cm (1 5/8x1 5/8") formats. The rangefinder area corresponds to the spot metering zone of the 205FCC.

Focusing screen Code 42219 Acute-Matte D 202/203 with grid and split-image rangefinder

With a Ø28 mm ring corresponding to the metering zone of the 202FA and 203FE, and a Ø6 mm split image rangefinder corresponding to the spot metering zone of the 205FCC. The grid provides field markings for 6x4.5 cm (2 1/4x1 5/8") and 4x4 cm (1 5/8x1 5/8") formats.

Special purpose screens

Focusing screen Code 42200 Plain glass screen

Plain glass screen with reference cross and Fresnel lens facilitating photomicrography and macro work.

Focusing screen Code 72429 Acute-Matte DPS

For use with the Kodak DCS 465 digital back. See page 36 for details.



Focusing screen adapters

By using a focusing screen adapter the image composition and depth-of-field can be checked directly at the film plane. By fitting a Hasselblad viewfinder the screen will be shaded from stray light and the image magnified. Using a meter prism viewfinder makes TTL exposure metering possible with the 903SWC, ArcBody and FlexBody.

Focusing screen Code 41057 adapter standard

For use with the ArcBody, FlexBody and Hasselblad reflex camera bodies. A built-in spirit level facilitates horizontal positioning. Features a fixed Acute-Matte D focusing screen similar to the focusing screen 42217.

Focusing screen Code 41050 adapter SWC

Designed exclusively for the 903SWC and all previous SWC and SW models. Features a fixed Acute-Matte D focusing screen similar to the focusing screen 42217.

Focusing screen Code 72433 adapter DPS

For use together with the Kodak DCS 465 digital back. See page 36 for details.

Original filters

Hasselblad original filters are manufactured under stringent demands for optical flatness and transmission qualities that complement the outstanding Hasselblad lenses in the best possible way.

The filters are supplied in sizes to fit the different lens mounts and Proshade 6093T. It is also possible to attach larger Hasselblad filters on smaller lens mounts using step-up rings (see page 22), or standard Ø67 or Ø77 mm filters using filter adapters.

Original filters Ø60-93 mm

Filter type	Designation		Ø60	Ø70	Ø93
Coloured filters	1.5xY-0.5	Yellow	51586	51306	51365
	3xG-1.5	Green	51592	51314	51373
	4xO-2	Orange	51594	51322	51381
	8xR-3	Red	51597	51330	51403 1)
Light balance filters	1xCR1.5-0	CR1.5	51614	51357	51420
	1xCR3-0	CR3	51616		
	1.5xCR6-0.5	CR6	51619		
	1xCB1.5-0	CB1.5	51622		
	1xCB3-0	CB3	51624		
	1.5xCB6-0.5	CB6	51627		
	2xCR12-1	CR12	51630		
	2xCB12-1	CB12	51632		
UV (Haze) filters	1xUV-SKY-0	Haze	41608	51349	51411 2)
Polarization filters	3xPola-1.5	Pola	51603	51578	41646
Neutral density (grey) filters	8xGr-3	Grey	51606		
Softars	I		51670	51527	
	II		51673	51535	
	III		51675	51543	
Soft 100	51713	Soft Light	-0EV	100x100 mm	
	51715	Soft Medium	-0EV	100x100 mm	
	51718	Soft Heavy	-0.5EV	100x100 mm	
Set Soft 100	51711	(51713-51715-51718)			

1) Red filter Ø93 is designated 6xR-2.5. 2) UV-SKY filter Ø93 is designated HZ-0



Original filters

Coloured filters

For black/white photography to alter the contrast between certain colours.

Light balance filters

For colour photography to balance colour temperature and correct colour quality.

UV (Haze) filters

Absorb UV radiation and reduce blue haze without affecting the colours. Protect the front lens surface.

Polarization filters

For colour or b/w films to reduce or eliminate reflections and to increase colour saturation, e.g. in the sky.

Neutral density (grey) filters

Increase the exposure time without other effects on the resulting image.

Softar and Soft 100 diffusion filters

Provide controlled image softening. Available in three strengths, which can be combined for increased effects.

Filters Ø26 for

Distagon CF 30 mm

yellow	1.5xY50 - 0.5	Code 50636
orange	3xOr57 - 1.5	50644
conversion filter*	2xB11 - 1	50652
neutral glass**		50660

*For using day-light film in tungsten light.

**The filters/neutral glass form a vital part of the 30 mm Distagon's optical system. One of these items must always be mounted when the lens is used.

The three filters and the neutral glass are supplied with the Distagon CF 30 mm lens.

Filter adapters and mounts

Polarization

Code 41648

filter adapter Ø93

Used for attaching the Polarization filter Ø93 (41646) to the FE 350 mm and FE 60-120 mm.

Filter adapter Ø60/67 mm 41530

For standard Ø67 mm filters on Ø60 lens front mounts.

Filter adapter Ø70/77 mm 41548

For standard Ø77 mm filters on Ø70 lens front mounts.

Gelatin filter mount 51705

6093/75 mm

Gelatin filter mount 51708

6093/100 mm

Mounts for using gelatin filters in the Hasselblad Proshade filter holder. See Proshade 6093T on page 23.

Lens shades

Hasselblad lens shades are designed to efficiently shield the lens from stray light, to ensure the best possible image contrast. They also give protection to the front lens element. The system includes rigid lens shades for individual lenses as well as an adjustable professional lens shade which suits a wide range of focal lengths.



40703



40668

40670

40673



40576

Lens shades for CF/CFE and CB lenses

Lens shade Ø60/38-60 Code **40668**
For wide-angle lenses from 38 to 60 mm focal length. Bayonet mount.

Lens shade Ø60/80 **40670**
For the Planar CF/CB 80 mm. Bayonet mount.

Lens shade Ø60/100-250 **40673**
For CF/CB lenses with focal lengths from 100 to 250 mm. Bayonet mount.

Lens shade Ø93/40 **40693**
For the Distagon CF 40 mm. Supplied with the lens. Also used as a holder for Ø93 filters.

Lens shade Ø93/350-500 **40703**
For the Tele-Superachromat CFE 350 mm and Tele-Apotessar CF 500 mm. Supplied with these lenses. Also used as a holder for Ø93 filters. Threaded mount. It also fits the discontinued Tele-Tessar CF 350 mm.

Lens shades for FE lenses

Lens shade Ø60/80 Code **40670**
For the Planar FE 80 mm. Also suitable for earlier F 80 mm lenses used together with 40711 step-up ring Ø50-Ø60. Bayonet mount.

Lens shade Ø93/FE 60-120 **40767**
For the Hasselblad FE 60-120 mm. Supplied with the lens.

Lens shade Ø93/50 **40706**
For the Distagon FE 50 mm. Threaded mount. Supplied with the lens. Also serves as filter holder for Ø93 filters.

Lens shade Ø70/110-250 **40576**
For lenses with focal lengths from 110 to 250 mm. Bayonet mount.

Lens shade Ø93/FE 350 **40717**
For the Tele-Tessar FE 350 mm. Supplied with the lens. Also used as a filter holder for Ø93 filters. Threaded mount.

Step-up rings

Lens shades and filters for lenses with Ø60 - Ø70 accessory mounts may also be used on lenses with a smaller accessory mount simply by fitting step-up rings.

Step-up ring Ø50-Ø60 Code **40711**
For attaching Ø60 filters and lens shades to lenses with a Ø50 lens front mount (earlier C lenses and F 80).

Step-up ring Ø60-Ø70 **40714**
For attaching Ø70 filters and lens shades to lenses with a Ø60 lens front mount.

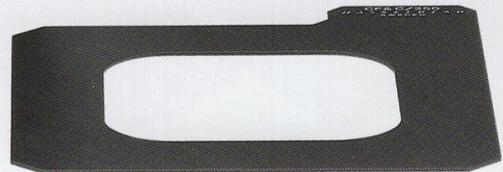


40739



40744

40741



40312

Professional lens shade

Proshade 6093T Code 40739

An adjustable bellows lens shade with extension scale for various focal lengths. Provides highly efficient protection against stray light. Its compact, flat folding design saves space in the equipment case. Can be fitted to all current Hasselblad lenses, except the Distagon CF 30 mm, by using the Proshade adapters. The shade features a filter holder for glass, gelatin or plastic filters. The bellows folds down for easy access to the filter holder or for viewing without filter.

NOTE: Both Hasselblad Ø93 Polarization filter and Soft 100 filters can be used with Proshade 6093T.

See Original filters, page 21.

Proshade mask Code 40312 6093/250

Gives maximum shading effect with Proshade 6093T for Sonnar CF 250 and Sonnar CF 250 Sa lenses.

Proshade adapter 6093/Ø60 40741

For fitting Proshade 6093T to lenses with Ø60 front mount. The adapter ring permits two glass filters attached to the internal front bayonet mount. Also used for C lenses (Ø50) with step-up ring Ø50-Ø60 (40711).

Proshade adapter 6093/Ø70 40744

For fitting Proshade 6093T to lenses with Ø70 front mount.

Proshade adapter Code 40746 6093/Ø93

For fitting Proshade 6093T to lenses with Ø93 front mount.

Gelatin filter mount Code 51705 6093/75 mm

Gelatin filter mount Code 51708 6093/100 mm

Mounts for using gelatin filters in the Proshade filter holder, which holds four mounted filters. For improved durability, the gelatin filter should be permanently fitted into the mount. Supplied in packs of 5 for two different gelatin filter formats, 75x75 mm and 100x100 mm.

Film magazines

Hasselblad interchangeable film magazines make it possible to change exposed film for unexposed in seconds, or change between film types, film lengths and film formats without losing a single frame.

Magazines are available for 120 and 220 roll film, 70 mm perforated film and Polaroid film.

For the 202FA, 203FE and 205FCC camera models there is a special line of E magazines. The film speed is programmed on a dial on the magazine and automatically transferred to the

cameras' exposure metering systems via databus connections.

One of the E magazines – the E12 CC – is designed especially for the 205FCC camera model. Besides the film speed dial it has a second dial to simulate the effect of altered film development, when working in black/white according to the zone system.

All Hasselblad roll film magazines, except the Magazine 70, are equipped with a practical magazine slide holder.



A-type film magazines

For all Hasselblad camera models, including the ArcBody and FlexBody. When used with 202FA, 203FE and 205FCC the film speed has to be programmed manually in the camera's Pr-mode.

Magazine A12 – 6x6, chrome Code **30212**

Magazine A12 – 6x6, black **30213**

6x6 cm (2 1/4x2 1/4") format on 120 film, 12 frames per roll. Supplied with magazine slide 41068. Weight: 425 g (15 oz).

Magazine A16 – 645, chrome **30216**

Magazine A16 – 645, black **30217**

6x4.5 cm (2 1/4x1 5/8") horizontal format on 120 film, 16 frames per roll. Supplied with focusing screen mask 42146 marked with the format, and magazine slide 41068. Weight: 425 g (15 oz).

Magazine A24 – 6x6, chrome **30224**

Magazine A24 – 6x6, black **30225**

6x6 cm (2 1/4x2 1/4") format on 220 film, 24 frames per roll. Supplied with magazine slide 41068. Weight: 425 g (15 oz).

Magazine A32 – 645, chrome **30232**

Magazine A32 – 645, black **30233**

6x4.5 cm (2 1/4x1 5/8") horizontal format on 220 film, 32 frames per roll. Supplied with focusing screen mask 42146 marked with the format, and magazine slide 41068. Weight: 425 g (15 oz).

Magazines for 70 mm film

Magazine 70, chrome

Code **30066**

Magazine 70, black

30139

6x6 cm (2 1/4x2 1/4") format on 70 mm perforated film, available in rolls of 30 to 100 m. Uses film cassettes, which can be loaded with up to 4.7 m of film, giving up to 70 frames per cassette. Supplied with an empty cassette 51039 and magazine slide 41068. Weight: 530 g (1 lb 2.5 oz).

NOTE: The magazine 70 cannot be combined with the prism viewfinders PM90 and PME90.

Film cassette for magazine 70

51039

The cassette may be loaded with perforated 70 mm film in lengths of up to 4.7 m, giving up to 70 frames per cassette.

Magazine for Polaroid film

Magazine PolaBasic for Polaroid film 30205
6x6 cm (2 1/4x2 1/4") format magazine for all Polaroid type 0 films. Practical for fast checks on exposure, lighting and composition. The magazine is mounted and dismounted as easily as the roll film magazines. Supplied with magazine slide 41122. Weight: 360 g (13 oz).

NOTE: The magazine for Polaroid film cannot be combined with the prism viewfinders PM90 and PME90.



30205

30244

30252

30260

30368



E - type film magazines

For the 202FA, 203FE and 205FCC. Equipped with film speed programming dial and databus connections.

Can also be used with Hasselblad cameras, including the ArcBody and FlexBody without built-in exposure metering, but then work purely mechanically.

Magazine E12 - 6x6, chrome 30244

Magazine E12 - 6x6, black 30248

6x6 cm (2 1/4x2 1/4") format on 120 film, 12 frames per roll. Supplied with magazine slide 41068. Weight: 450 g (16 oz).

Magazine E16 - 645, chrome 30252

Magazine E16 - 645, black 30256

6x4.5 cm (2 1/4x1 5/8") horizontal format on 120 film, 16 frames per roll. Supplied with focusing screen mask 42146 marked for the format, and magazine slide 41068. Weight: 450 g (16 oz).

Magazine E24 - 6x6, chrome 30260

Magazine E24 - 6x6, black 30267

6x6 cm (2 1/4x2 1/4") format on 220 film, 24 frames per roll. Supplied with magazine slide 41068. Weight: 450 g (16 oz).

Format masks

Set of format masks 41151

Format masks with 6x4.5 cm and panorama 6x3 cm formats for the 501CM, 501C, 503CW and FlexBody. The masks are only available as a complete set and are supplied with corresponding focusing screen masks.

Focusing screen mask 42146

Screen mask marked for 6x4.5 cm (2 1/4x1 5/8") format. Supplied with magazine A16, A32 and E16.

E CC film magazines

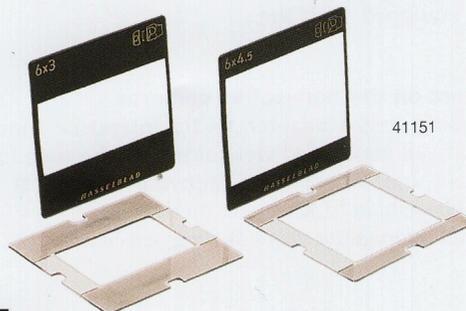
For the 205FCC. Equipped with databus connections and programming dials for film speed and contrast adjustment.

Can also be used with the 202FA and 203FE, disregarding the contrast adjustment function, and with all camera models, ArcBody and FlexBody without built-in exposure metering, but works then purely mechanically.

Magazine E12 CC - 6x6, chrome 30368

Magazine E12 CC - 6x6, black 30376

6x6 cm (2 1/4x2 1/4") format on 120 film, 12 frames per roll. Supplied with magazine slide 41068. Weight: 450 g (16 oz).



41151

Viewfinders

The clear, magnified focusing screen image produced by Hasselblad viewfinders makes precise focusing, checking depth-of-field and composition easy. To suit the wide variety of individual requirements, conditions and photographic applications, viewfinders of different types offer various viewing angles and scales of magnification.

By choosing a meter prism viewfinder, a TTL exposure metering system provides additional versatility.



42317



52096



72524



47070



52183

Focusing hoods

The Hasselblad reflex camera bodies are all supplied with a foldable focusing hood viewfinder. It effectively shields the focusing screen from stray light and shows the full image even with the camera at waist level. The folding magnifier enlarges the image 4.5x and is interchangeable for individual eye-sight correction.

See the table for optional correction magnifiers.

Focusing hood, chrome Code **42315**

Focusing hood, black **42323**

Designed for the 500 series and 201F camera bodies and equipped with the 42331 neutral magnifier. Also fits the camera models of the 2000 series.

Focusing hood E, chrome **42317**

Focusing hood E, black **42325**

The E designation states that this type of focusing hood is designed for the 202FA, 203FE and 205FCC camera bodies. For better vision of the metering system display, it is equipped with the magnifier 42374.

Using the viewfinders on the non-reflex cameras

By attaching a focusing screen adapter to the magazine mount of the 903SWC, ArcBody and FlexBody, all Hasselblad viewfinders can be used for image composition, depth-of-field control and/or exposure metering directly at the film plane. One adapter also fits the Hasselblad SLR camera models.

See page 20 for detailed information about focusing screen adapters.

Magnifying hoods

Magnifying hood Code **52096**

A sturdy hood with a rubber eyecup which effectively blocks out stray light. The eyepiece enlarges the focusing screen image 3x and is adjustable from -2.5 to +3.5 dioptres.

Magnifying hood HM2 **72524**

Enlarges the screen image 3.3x. Extra large eyepiece for full view of the entire focusing screen, even with spectacles. The eyepiece can be set in two positions; one for use with all Hasselblad reflex camera bodies, the other one for the 903SWC, ArcBody and FlexBody.

Supplied with a correction lens mounting kit. Correction lenses are not available from Hasselblad, but can be supplied by opticians.

Magnifying hood 4x4 DPS **72534**

A magnifying hood designed for Hasselblad cameras when used with digital backs.

See page 36 for details.

Reflex viewfinders

Reflex viewfinder RM2 Code **52183**

An eye-level viewfinder designed for use with the Film magazine 70. Its extra large eyepiece provides an unreversed 3x enlarged image of the entire focusing screen, even with spectacles. The eyepiece can be adjusted ± 5 dioptres. Supplied with protective cover 42064.

NOTE: During 1998 the sales responsibility for the RM2 will be transferred to the Hasselblad Technical Photography Group. See page 36.

Reflex viewfinder RMfx **47070**

Specially developed for the ArcBody, FlexBody and the 903SWC. The image is magnified 3.3x and is vertically correct, which simplifies composition, focusing, and tilt and shift adjustments. The viewing angle of 10° from vertical, the option to attach the viewfinder turned 180° and the extra large eyepiece provide a comfortable working position.

Supplied with a correction lens mounting kit. Correction lenses are not available from Hasselblad, but can be supplied by opticians.

INTERCHANGEABLE CORRECTION
EYEPIECES AND MAGNIFIERS
All optical surfaces have anti-reflection coating

VIEWFINDER MODEL

Correction strength Dioptres	NC-2	PME	PM	PM 90	Focusing hood correction magnifier
	PM 3	PME 3	PM 5		
+3		42432		42412	42404
+2		42429		42423	42390
+1		42426		42420	42382
0 Neutral		42412		42411	42331
-1		42423		42418	42374
-2		42420		42415	42366
-3		42418		42414	42358
-4		42415		42413	42340
		PME90			
-4.5 to -2		42453 (PME -)			
+0.5 to +3		42450 (PME +)			

PME 51
42296



PM 5
42308



PM 90
42288

PME 90
42290

Prism and meter prism viewfinders

Prism viewfinder PM5 Code **42308**
A 45° prism viewfinder which gives an unreversed 3x enlarged viewing image.

Supplied with a removable rubber eyecup and protective cover 52191.
See table for interchangeable correction eyepieces.

Meter prism viewfinder PME51 Code **42296**

The PME51 has the same optical design as the PM5, but features centre-weighted TTL integral metering with a fast response silicone cell. The metering range is EV2-19 at ISO100, and the film speed range ISO25-6400. Battery check and scale illumination by red LED. Push-button start and auto shut-off after approx. 10 s. Powered by a 6V type PX28 or equivalent battery.

The PME51 is supplied with a removable rubber eyecup and protective cover 52191.
See table for interchangeable correction eyepieces.

Prism viewfinder PM90 Code **42288**
An eye-level viewfinder with a viewing angle of 90°. The extra large eyepiece, providing an unreversed 2x enlarged image of the entire focusing screen, makes it especially useful for spectacle wearers.

Supplied with removable rubber eyecup and protective cover 52191.
See table for interchangeable correction eyepieces.

NOTE: Because of its low profile the PM90 cannot be used with film magazine 70 or magazines for Polaroid film.

Meter prism viewfinder PME90 Code **42290**

Advanced 90° meter prism viewfinder, featuring three different metering methods, a choice of shutter or aperture priority, reference metering and a wide range of presetting possibilities.

Metering method can be instantly changed between TTL spot metering, centre-weighted TTL integral metering, and incident light metering via a dome sensor. The viewfinder display provides full information of readings, preset values and functions.

The reference mode is very useful when evaluating the light reflected from different areas in the image, or when monitoring changes in the lighting conditions.

The 2x enlarged viewfinder image and the -2 to +0.5 dioptres adjustable eyepiece make the PME90 especially useful for spectacle wearers. Optional correction eyepieces offer adjustment facility from -4.5 to +3 dioptres. See table.

PME90 is powered by a 3V lithium type CR-123A battery.

Supplied with a foldable and removable rubber eyecup and protective cover 52191.

NOTE: Because of its low profile the PME90 cannot be used with film magazine 70 or magazines for Polaroid film.

Viewfinder SWC Code **52036**

Optical viewfinder with built-in spirit level visible through the viewfinder as well as from above. Lens focusing scale can be read through the viewfinder. Image field markings for 6x4.5 cm (2 1/4x1 5/8").

The viewfinder can also be used on earlier SWC and SW models but does not show focusing scale on C type lenses.



52036

Winding accessories

Several of the current Hasselblad camera models can be easily motorized by replacing the winding crank with a winder. The winder automatically rewinds the shutter and advances the film after each exposure, increasing the photographer's efficiency and preparedness.

The powerful motors of the Hasselblad winders ensure rapid, distinct starts, and smooth film and shutter winding. Used with the camera on a tripod the winder allows repeated exposures without disturbing the camera position.



44118

44105



44123



44113



44086



44069

Winder CW

Code **44105**

The Winder CW is designed for the Hasselblad 503CW and 503CXi cameras and enables continuous exposures at a rate of up to 0.8 frames per second. It replaces the winding crank and provides a comfortable grip, which facilitates hand-held photography.

The winder can be set to single, continuous or multiple exposure, infrared remote control and on/off lock. Using the IR Remote control or the Release cord 44123, it can be remotely operated.

A Self Adjusting Interface (SAI) adjusts the winder to each individual camera for perfect compatibility and a minimum of wear on the camera and the motor.

Capacity of up to 3000 exposures with six 1.5V size AA (LR6, UM3 or equal) alkaline batteries. Rechargeable NiCd or metal-hydrate batteries can be used.

Supplied with the following equipment:

IR Remote control **44113**
Wrist strap **44118**

IR Remote control

Code **44113**

– included with the Winder CW.

Infrared transmitter for the Winder CW. Provides remote wireless camera operation as well as the possibility of remotely changing the winder mode.

Coverage in normal conditions is approx. 10 m (33 ft).

Powered by a CR2 battery with a normal working-life expectancy of 3 years. Battery included.

Wrist strap

44118

– included with the Winder CW.

For secure hand-held photography with the Winder CW. Genuine leather.

Release cord

44123

Release cord for remotely controlling the Winder CW. Length: 3 m (10 ft).

Winder F

Code **44069**

Winder for the 200 series camera models replacing the winding crank.

It may also be used with the 2003FCW and 2000FCW, but with certain operational limitations.

The Winder F is completely controlled from the camera, using the camera's release button. It enables sequence exposures at a rate of up to 1.3 frames per second.

Capacity of up to 3000 exposures with five AA (LR6, UM3 or equal) alkaline batteries, or about 1000 exposures with rechargeable NiCd or metal-hydrate batteries.

Winding crank 1

44040

Winding crank E

44086

Detachable winding cranks for manually winding the shutter and the film.

Winding crank 1 fits 503CX, 500 Classic, 500C/M and 500C bodies.

Winding crank E is supplied with all 200 series models and 503CW.

Grips and tripod accessories

Anatomically designed brackets provide support for hand-held shots. Other accessories facilitate tripod attachment and horizontal positioning of the camera, as well as quick focusing.



45144



51700



43117



45148



45169



46330

45073

Snap-lock flash grip Code 45169

The Snap-lock flash grip is designed to support the D-Flash 40 and other hand-held flash units. It is also an adjustable ergonomic camera grip fitted with a leather wrist strap and a built-in cable release.

A 360° swivelling snap-lock mechanism allows the handle to be tilted forwards and backwards to any desired position. In the upright position two flash shoes allow correct flash head angle whether the camera is held to the eye or at waist-level.

The handle complete with mounted flash unit can be instantly detached from the bracket for flash-off-camera shooting.

An integrated Hasselblad Tripod quick-coupling S ensures rapid attachment to all current Hasselblad camera models, and earlier models fitted with the Quick-coupling plate S.

Underneath the grip there is a Quick-coupling plate S with 1/4" and 3/8" threads for easy mounting to the tripod.

NOTE: When used on the 553ELX the Release button 46116 has to be replaced by the Release adapter 46213.

Flashgun bracket 1 Code 45073

Fits the 200/2000 series models and the manually operated 500 series models, but cannot be used combined with the Winder CW.

Flashgun bracket 2 Code 46330

Fits the 553ELX and the earlier EL models.

Both flashgun brackets will be discontinued.

Quick-focusing handle Code 51700

For quick and precise focusing of the 40, 50, 60 and 80 mm CF lenses. Attaches directly to the focusing ring. The handle folds down flat besides the lens, saving space when stored.

Tripod quick-coupling S Code 45144

Designed to fit the base plate with bevelled sides, which is standard on all current Hasselblad camera models including the ArcBody and FlexBody. Mounted on a tripod it facilitates the attachment and removal of the camera. The camera is firmly held in an exact and repeatable position.

An integrated spirit level makes horizontal positioning of the camera easy.

The Tripod quick-coupling S has 1/4" and 3/8" tripod threads and guiding pin recesses.

Quick-coupling plate S Code 45148

For adapting earlier Hasselblad camera models, bellows extensions and telephoto lenses, as well as cameras from other manufacturers, to the Tripod quick-coupling S 45144. The coupling plate is placed over the existing base plate and fastened to the camera tripod thread.

Spirit level Code 43117

The spirit level is particularly useful in wide-angle photography. It attaches to the accessory rail on the left-hand side of the camera and can be used on all 500 series camera models.

Flash equipment



55105

55114

The Hasselblad D-Flash 40 is a powerful flash unit, dedicated to the Hasselblad TTL/OTF flash metering system. Its compact and lightweight design and ease of operation make it ideal for all-round and fill-in flash photography. The adjustable reflector provides a symmetrical illumination to suit the Hasselblad square image format.



55126

51070

D-Flash 40

D-Flash 40

Code **55105**

The D-Flash 40 connects directly to the electronics of the 500 and 200 series cameras with built-in TTL/OTF flash metering system. Since the flash works in automatic TTL-mode only, operation is very simple. Only two controls are used – a power switch and a flash test button, which is illuminated when the flash is ready. The system provides flash ready signal and exposure information in the camera's viewfinder.

The reflector can be adjusted for normal or wide-angle use, or be removed for bare bulb lighting. The flash head can be swivelled 330° sideways and tilted 90° upwards and 10° downwards for close range photography.

With the reflector in the normal position the guide number is 40/137 (m/ft), and in the wide-angle position 33/110 (m/ft) at ISO100.

The D-Flash 40 is powered by six 1.5V size AA Alkaline or NiCd cells, or by the optional Hasselblad Rechargeable NiCd battery pack DF. Irrespective of power source, the flash unit's recycling time can be as short as 0.3 s.

The D-Flash 40 is supplied with the Rear cover MultiControl, which replaces the film magazine when making test exposures.

Weight: 610 g (1 lb 6 oz) without batteries.

Supplied with the following equipment:

Reflector, standard	Code 55108
Flash tube	55123
Battery holder	55114
Sync cord	55111
Rear cover MultiControl	51070

Optional accessories

Rechargeable NiCd battery pack DF

Code **55126**

The benefits of the D-Flash 40 are maximized when it is powered by the rechargeable Hasselblad battery pack. Fully charged, its cluster of NiCd cells will supply power for up to 2250 flashes at low power and up to 270 flashes at full power.

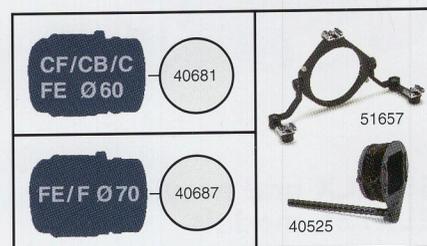
The practical leather carrying case features both a belt clip and a detachable shoulder strap.

Using the optional Hasselblad Battery charger DF, the battery pack recharges fully within 8 hours.

Weight incl. case: 925 g (2 lb 0.5 oz).

Battery charger DF (E-plug)	Code 55129
Battery charger DF (A-plug)	55130
Sync cord 1.5 m	55117
Extension cord SCA 1 m	55120
Extension cord SCA 5 m	55147

In close-up photography the Hasselblad Macro flash with its two light sources provides a wide variety of lighting possibilities. Placed on the Hasselblad Macro flash bracket the light sources can be set in an endless number of positions to illuminate the subject from almost any direction.



Lens mounting rings

Macro flash

Macro flash Code **51678**
The macro flash consists of a control unit and two light sources which can be simultaneously or individually fired. The control unit and the light sources can be placed on the Hasselblad Macro flash bracket. A variety of lighting effects can be obtained using wide angle and grey screens.

The macro flash can be used with all Hasselblad cameras with TTL/OTF flash metering and is connected to the camera's electronics via the Flash adapter SCA 390. The guide number at ISO 100 is 28/94 (m/ft).

Supplied with the following equipment:

- 2 wide-angle screens
- 2 different grey screens
- Bracket with 1/4" and 3/8" fasteners
- Sync cord 240 mm
- Standard adapter SCA 301
- Coiled sync cord
- Double flash outlet

Macro flash bracket Code **51657**
Ø50-Ø70

The bracket attaches to the front mount of the lens. It has three flash shoes and two arms which are articulated at three points and rotatable 360°. Separate lens mounting rings are required.

See descriptions on this page.

Flash adapter SCA 390 Code **51681**

For connecting the macro flash and other flashes compatible with the SCA 300 system to the 500 and 200 series cameras with TTL/OTF flash metering system. Can be attached to the flash shoe on prism viewfinders, to the flash gun bracket, or the accessory rail on the 500 series cameras.

Adjustable flash shoe Code **43125**

The rotatable flash shoe slides onto the accessory rail on the left side of the 500 series cameras. It is designed to hold a small electronic flash unit only.

Lens mounting rings

Required when connecting the macro flash bracket or the lens shade for the automatic bellows extension to CF, CB, C, FE and F lenses with front mount Ø60 or Ø70 (*see table above*).

Lens mounting ring Ø60 Code **40681**

For CF/CB/C lenses with Ø60 front mount and the FE 80 mm lens.

Lens mounting ring Ø70 Code **40687**

For FE and F lenses with Ø70 front mount.

Special accessories



	46043	0,3 m		46051	3 m
	46078	6 m		46086	1,5 m
	46027	5 m		46027	5 m

553ELX and previous ELX/EL models

Cords for the front socket

Release cord FK 30 Code **46043**

Supplied with the 553ELX body

Release cord FK 300 **46051**

Release cord FK 600 **46078**

See pictures above.

Cords for the side socket

Connecting cord LK 500 **46027**

Release cord SK 150 **46086**

See pictures above.

Release button **46116**

The release button is used in either of the two front sockets and permits use of a release cord in the free socket. Supplied with the 553ELX body

Fuse **56111**

1.6 A (5x20 mm) medium-slow fuse supplied with the 553ELX camera body and the Winder F.

Release adapter **46213**

Open L-connector **50776**

For the 553ELX and previous EL models when using the PC-Mutar 1.4X. The Open L-connector is also used with the FlexBody, to attach the cable release.

Battery 1

Code **56081**

Rechargeable battery for the 500ELX and earlier EL models. Type Varta NiCd 5/V500RH, 6V/500 mAh.

To be discontinued.

Recharge unit

For recharging Battery 1 in the 500ELX and earlier EL models. Connects to the side socket of the camera.

110 V American plug **56023**

230 V European plug **56024**

200 series

External battery cassette **43023**

An alternative source of power for the 200 series cameras to be used in extremely cold conditions. The cassette can be loaded with four 1.5V AA type (LR6) batteries and its plug replaces the battery cassette of the camera. The coiled cord makes it possible to warm the cassette, e.g. in a pocket.

Cases

The Hasselblad range of cases includes soft, easily accessible camera cases of hand and shoulder types, as well as a spacious trunk. They are all hand-made and specially designed to fit and protect Hasselblad cameras and accessories.

Camera case 507 Code **58238**

A protective case in soft leather-like material, provided with a zipper and slits for carrying strap. Designed for use with all cameras in the 500/200 and 2000 series, with the prism viewfinder (except with EL models). Dimensions (LxWxH): approx. 240x95x150 mm (9.5x3.7x6").

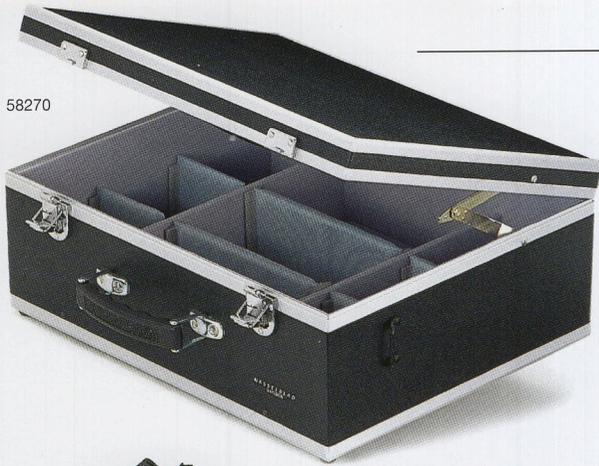
Case 540 **58397**

A soft shoulder bag made of durable, blue Cordura material. Suitable for a medium-sized Hasselblad outfit. Storage space can be further increased using two magazine pockets 58440, which are available separately. Dimensions (LxWxH): approx. 370x200x230 mm (14.5x8x9").

Magazine pocket **58440**

Pocket which can be fitted to the sides of case 540 or used as a pouch to be worn on a belt.

58270

**Case 712**Code **58270**

A functional and spacious case for a large selection of Hasselblad equipment. The internal arrangement is flexible.

A protective rubber strip around the opening provides a weathertight seal and shields contents from dust and rain. Supplied with shoulder strap and movable leather pouch.

Weight: 4.9 kg (10 lb 13 oz).

External dimensions (LxWxH): approx. 455x390x180 mm (18x15.5x7").

Internal dimensions (LxWxH): approx. 410x320x150 mm (16x12.5x6").

Lens pouches

Protective pouches of soft leather-like material. Supplied with most Hasselblad lenses.

Lens pouch 1 **58408**

For CF 80, CF 100, CB 80, FE 80, Teleconverter 1.4XE and Converter 2XE.

Lens pouch 2 **58416**

For CF 50, CF 120, CF 135, CF 150, CB 60, CB 160, FE 110, FE 150 and Teleconverter APO 1.4XE.

Lens pouch 3 **58424**

For CF 180, CF 250, CF 250 Sa and FE 250.

Lens pouch 4 **58432**

For CF 40 and FE 50.

Lens pouch 5 **58464**

For FE 60-120.

Protective pouch **58459**

For PC-Mutar 1.4X Shift Converter.



59110



46140



59099



50377

51438

51643



51070

Straps**Standard strap**Code **59110**

Black polyester camera strap with rubber underside to prevent slipping.

Width: 25 mm (1"). Length (approx.): max./min. 1500/900 mm (59/35.5"). Supplied with all camera bodies except the 553ELX.

Carrying strap**46140**

A short, black leather strap with a rubber insert to be attached to the camera's strap lugs. Supplied with the 553ELX camera body. Length: 325 mm (13").

Wide camera strap**59080**

Long, adjustable 40 mm (1.5") wide strap made of black polyester with rubber underside.

Length (approx.): max./min. 1500/900 mm (59/35.5").

Contoured shoulder strap**59099**

A black leather strap contoured for the shoulder giving a comfortable, non-slip, well-balanced grip.

Width: approx. 30 mm (1.2"). Length (approx.): max./min. 1280/980 mm (50.5/38.5").

Protective covers**Rear cover MultiControl****51070**

Protects the rear of Hasselblad camera bodies, including the ArcBody and FlexBody. The internal surface is painted with a colour similar to normal film emulsion, which is very useful when testing a flash using the TTL/OTF flash metering system.

Small holes at the corners of the 6x6 cm format make it possible to visually check for vignetting. Supplied with D-Flash 40 and all camera bodies.

Front protective coverCode **51438**

Protects the lens mount of camera bodies, FlexBody and converters, except the Teleconverter APO 1.4XE.

Front protective cover APO 1.4XE**40764**

Protects the lens mount and protruding front lens of the Teleconverter APO 1.4XE.

Front lens cap Ø60**51643**

Attaches to the inner lens bayonet mount.

Front lens cap Ø70**51648**

Attaches to the inner lens bayonet mount.

Front lens cap Variogon**51462**

For the Variogon CF 140-280 mm lenses. Friction-fit attachment.

Front lens cap Ø93-100**51654**

For CF, CFE, FE and F lenses with a Ø93 front mount and attached lens shade. Friction-fit attachment.

Front lens cap Distagon CF 30**51659**

Friction-fit attachment.

Rear lens cap**50377**

Bayonet mount. Fits all Hasselblad lenses, ArcBody lenses and converters, except the Apo-Grandagon 35 mm and Makro-Planar CF 135 mm.

Rear lens cap 135**50571**

Bayonet mount. Fits the Makro-Planar CF 135 mm and Apo-Grandagon 35 mm.

PCP80 Projector



PCP80
70101



70210

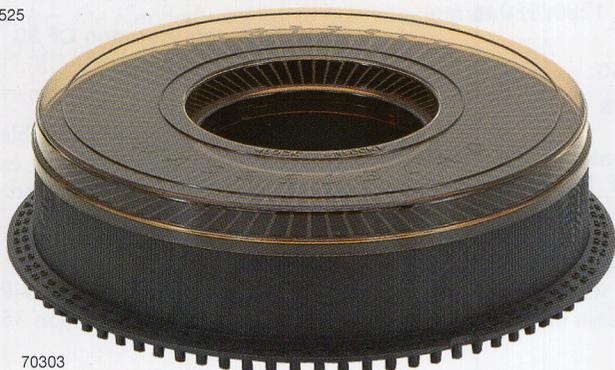
70205

70214



70524

70525



70303

The PCP80 is a truly professional projector for 6x6 cm (2 1/4x2 1/4") transparencies. It is designed and built with the same stern demands on optical and technical quality as Hasselblad cameras. Built-in perspective control, superb Zeiss lenses, a rotary slide magazine for 80 slides and a number of unique features put the PCP80 in a class of its own.

The projector's optical system is optimized for each individual lens by the provision of a matched condenser and a simple adjustment.

Using the built-in perspective control with the projector horizontally positioned, the screen image can be raised or lowered without distortion. The PCP80 always produces a right-angled image on the screen, allowing perfect lining-up of stacked projectors.

To avoid interruptions in slide presentations, the PCP80 features automatic lamp replacement. If the projector lamp fails, a pre-adjusted reserve lamp immediately clicks into place. Other safety features are the sophisticated dust-proof cooling system, which uses pressurized, filtered air, and two fuse circuits, which protect the electronic system and slides.

PCP80 uses rotary slide magazines for 80 mounted 6x6 cm (2 1/4x2 1/4") transparencies. The magazine can be detached without having to re-set to zero.

There are three different connectors for external control systems: a standard 6-pin DIN socket, an 8-pin DIN socket and a 12-pin AV socket for controlling the lamp with or without the built-in TRIAC. In addition, 12-pin and 7-pin AV connectors (Adapter AA) for professional systems are available as accessories.



70535



70517

70507



70538



70547



70541



70511

70512

PCP80 projector & accessories

The Hasselblad PCP80 projector is supplied as separate components.

Hasselblad PCP80 projector body

Code 70101

With power cord but without lens or rotary slide magazine. Can be switched to 110/130/220/240V 50-60 Hz.

Supplied with front protective cover PCP80, 70532. Weight 14 kg (31 lb).

Hasselblad PCP80 projector body

70104

A special version for 120 V 50-60 Hz mains voltage (USA).

Hasselblad PCP80 projector body

70107

A special version for 100 V 50-60 Hz mains voltage (Japan).

Zeiss P-Planar 3.5/150 mm projector lens

70205

Standard projector lens. Supplied with matching condenser lens and front lens cap 75/150, 70526. Allows full utilization of perspective control.

Zeiss P-Distagon 3.5/75 mm projector lens

70214

Lens for short projection distances (e.g. back projection). Supplied with matching condenser lens and front lens cap 75/150, 70526. Allows limited utilization of perspective control.

Zeiss P-Sonnar 4/250 mm projector lens

70210

Lens for long projection distances. Supplied with matching condenser lens and front lens cap Ø93-100, 51654. Allows full utilization of perspective control.

Rotary slide magazine

Code 70303

Holds 80 transparencies in 7x7 cm (2 3/4x2 3/4") mounts.

Remote cable control unit

70507

For manual slide change and focusing. Cable length: 4 m (approx. 13').

Projector rack, basic unit

70517

For twin projector set-ups.

Supplementary unit for projector rack

70518

Add-on unit to permit stacking.

Registration slide mounts 6x6 cm (2 1/4x2 1/4")

70511

Slide mounts with special guide pins to simplify perfect image positioning in Rostrum cameras or in Hasselblad multi-imaging. Box of 40 mounts.

Registration slide mounts 6x4.5 cm (2 1/4x1 5/8")

70512

Mounts as 70511 above, but with rectangular image format.

Alignment slide

70520

For precise adjustment of projectors in a multi-projector set-up.

Projector case

70535

A sturdy plywood frame with aluminium and steel reinforcements. Foam plastic interior. Holds the PCP80 projector body. Dimensions: approx. 430x510x285 mm (17x20x11").

Front lens cap 75/150

70526

Protects the front lens element of the P-Distagon 75 mm and P-Planar 150 mm lenses. Supplied with the lens.

Front lens cap Ø93-100

51654

Protects the front lens element of the P-Sonnar 250 mm lens. Supplied with the lens.

Front protective cover

Code 70532

To protect the projector when no lens is attached. Supplied with the projector body.

Dust cover

70547

Soft dust cover to protect the projector when not in use.

Power cord

70538

European plug. Length: 2.5 m (approx. 8'). Supplied with the projector body.

Power cord

70539

American plug. Length: 2.5 m (approx. 8'). Supplied with the projector body.

Air filter

70541

Supplied with the projector body.

AV Connectors

Please contact your Hasselblad distributor for information about which connector to use with the various control systems.

12-pin AV connector/ Adapter AA

70524

7-pin AV connector/ Adapter AA

70525

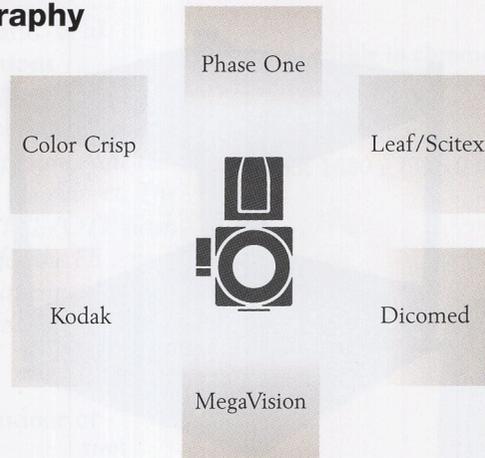
For connecting certain control systems with US-type connectors.

Digital and technical photography

Hasselblad for Digital Photography

Hasselblad cameras are widely used for digital photography. In view of their modular design with interchangeable film magazines, they are considered ideal as a platform for digital backs.

Today, six leading manufacturers have adapted their systems to fit Hasselblad cameras. When these or other companies develop their products, Hasselblad offers technical assistance to ensure the best possible match between the camera and the digital back.



Accessories for Digital Photography Systems (DPS)

Interface frame DPS Code **72424**
An adapter specially designed for connecting the Kodak DCS 465 digital back to Hasselblad 500 series cameras.

Focusing screen **72429**
Acute-Matte DPS
A focusing screen Acute-Matte D with field markings for the image area of the Kodak DCS 465 digital back.

Focusing screen **72433**
adapter DPS
For use together with the Kodak DCS 465 digital back. Features a fixed focusing screen Acute-Matte D equal to 72429.

Magnifying hood 4x4 DPS **72534**
A magnifying hood optimized for use with digital backs with CCD-sizes smaller than Ø40 mm (Color Crisp, Leaf/Scitex, MegaVision). Enlarges the screen image 5.5 times.



Products for technical applications

In addition to the wide range of standard Hasselblad products, there is a number of products specially designed for technical applications, such as data annotation.

Hasselblad Data Recording System

Four different Hasselblad data recording film magazines with data annotation of up to 32 characters directly on the film. Since the text is written out when the film is advanced, a motorized camera is required.



For further information about products and special delivery conditions, please contact:
Technical Photography Group, Victor Hasselblad AB, Box 220, S-401 23 Göteborg.
Tel. +46 31-10 24 60. Fax. +46 31-10 24 88



A Hasselblad camera consists of about 1000 different parts. Parts that are manufactured with extremely small tolerance and which interact with precision that results in faultless and reliable operation. Before the camera leaves the factory, it is fine-tuned and focused with the utmost precision. The shutter is set and trimmed to split-second tolerance.

The Hasselblad camera is consequently a precision instrument, despite the fact that it is robust and built to withstand tough professional conditions. But just like other precision instruments, it must be treated with a certain amount of care. It should be checked and serviced depending on how intensively it is used.

Victor Hasselblad AB has built up a network of authorized service centres where the cameras can be checked and overhauled.

Always leave your Hasselblad equipment with an authorized service centre. The sign and brand name "Hasselblad Authorized Service Center" guarantee quality and professionalism.

More information about the servicing of Hasselblad products and suitable service intervals is available in the "Customer Service Directory". The Directory also contains addresses of our authorized distributors, service centres and rental shops and is supplied with all new cameras.

Hasselblad USA Authorized Service Centers and Rental Service

Many Authorized Hasselblad Dealers have well-stocked rental departments. Contact the one nearest you for a list of Hasselblad products and rental pricing information.

ARIZONA

Phoenix Camera Repair, Inc.
Phoenix, AZ 85016
(602) 277-1811

CALIFORNIA

California Precision Service, Inc.
Sacramento, CA 95816
(916) 451-1330

Camera Service Center
Culter City, CA 90230
(310) 397-0072

Professional Photographic Repair
San Diego, CA 92111
(619) 277-3700

COLORADO

Metro Camera Service, Inc.
Denver, CO 80204
(303) 934-2471

DIST. OF COLUMBIA

Strauss Photo
Washington, DC 20002
(202) 529-3200

FLORIDA

Southern Photo Technical Service
St. Petersburg, FL 33713
(813) 896-6141

ILLINOIS

Mid State Camera Service, Inc.
Chicago, IL 60605
(312) 939-2272

MASSACHUSETTS

Precision Camera Repair, Inc.
Chicopee Falls, MA 01021
(413) 598-8005

Sanford Camera & Projektor
Arlington, MA 02174
(617) 648-2505

MICHIGAN

Midwest Camera Repair, Inc.
Wyandotte, MI 48192
(313) 285-2220

MINNESOTA

Margueta Camera Repair,
Minneapolis, MN 55416
(612) 541-1212

NEW HAMPSHIRE

Hilton Command Exposures
Nashua, NH 03060
(603) 888-3684

NEW YORK

Professional Camera Repair Service
New York, NY 10036
(212) 382-0550

OHIO

Pro Cam Company
Cleveland, OH 44134
(216) 661-8666

OREGON

Associated Camera Repair
Portland, OR 97232
(503) 232-5625

TEXAS

Camera Repair at Dallas
Dallas, TX 75209
(214) 350-9360

Havel Camera Service
San Antonio, TX 78212
(210) 735-7412

Houston Camera Repair
Houston, TX 77063
(713) 780-2607

WASHINGTON

Photo Ironics, Inc.
Seattle, WA 98109
(206) 682-2646

ARIZONA

Electronic Image Prods.
Phoenix, AZ
(602) 241-9115

Photomark
Phoenix, AZ 85006
(602) 244-1133

CALIFORNIA

Adolph Gasser, Inc.
San Francisco, CA
(415) 495-3852, X-164

Bel Air Camera
Los Angeles, CA 90024
(310) 208-5161

Cal's Camera
Costa Mesa, CA
(714) 646-9383

Calumet
Hollywood, CA
(213) 466-1238

Calumet
Santa Ana, CA 92705
(714) 285-0143

Calumet
Santa Barbara, CA 93101
(805) 965-7053

Calumet
San Francisco, CA 94110
(415) 643-9275

Camera Co
West Covina, CA 91792
(818) 964-4321

Canoga Camera
Canoga Park, CA
(818) 346-5506

Ewerts Photo Whse.
Santa Clara, CA
(408) 727-3686

Free Style Sales/Rental
Los Angeles, CA
(213) 660-3460, X-133

George's Camera Exchange
San Diego, CA
(619) 297-3544

Keeble & Shuchat
Palo Alto, CA
(650) 327-8511

Marin Photo & Electr.
Novato, CA
(415) 898-3456

North County Camera
Escondido, CA 92025
(619) 737-6002

Perry's Camera
Tustin, CA
(714) 259-8888

Photographers Lighting
San Francisco, CA
(415) 882-9380

PRS
Los Angeles, CA
(213) 629-9020

PRS
Los Angeles, CA
(213) 467-1212

Pro Camera Rntl/Sppl
San Francisco, CA
(415) 431-5175

Pro Photo Connection
Irvine, CA
(714) 250-7073

Samy's Camera, Inc.
Los Angeles, CA
(213) 938-2420

Samy's Camera, Inc.
Los Angeles, CA
(213) 222-9530

Samy's Camera, Inc.
Santa Barbara, CA
(805) 963-7269

Samy's Camera, Inc.
Venice, CA
(310) 450-4551

Silios Photoworks
Torrance, CA 90505
(310) 791-7100

Simons Camera
Los Angeles, CA 90027
(213) 463-8585

COLORADO

A-Accent Enterprises
Arvada, CO
(303) 421-5606

Robert Waxman Camera
Denver, CO
(303) 572-8305

Shewmaker's Camera Shop
Colorado Springs, CO
(719) 636-1696

CONNECTICUT

Camera Wholesalers
Stamford, CT
(203) 357-0467

Simonds Photographic
E. Hartford, CT 06108
(860) 291-0442

DELAWARE

Cameras, Etc, Inc.
Wilmington, DE
(302) 764-9400

DIST. OF COLUMBIA

Penn Camera
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(202) 347-5777

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(561) 276-7766

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Sarasota, FL
(941) 366-7484

World Wide Foto
Miami, FL
(305) 756-1744

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Pro Photo Resources
Atlanta, GA
(404) 885-1885

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Chicago, IL
(312) 440-4935

Calumet
Naperville, IL 60563
(630) 637-9949

Calumet Photographic
Bensenville, IL
(630) 860-7458

Helix, LTD.

Chicago, IL
(312) 421-6000 Ext. #5

INDIANA

Jacks Camera Shop
Muncie, IN
(317) 282-0204

Roberts Distributing
Indianapolis, IN
(317) 636-5544

KENTUCKY

K & R Photographics
Ft. Mitchell, KY
(606) 341-6986

Murphy's Camera
Louisville, KY 40204
(504) 485-1500

Murphy's Camera
Lexington, KY 40505
(606) 255-1013

MARYLAND

Photo Pro
Kensington, MD
(301) 933-3350

MASSACHUSETTS

E. Philip Levine, Co.
Boston, MA 02210
(617) 951-1499

MICHIGAN

Nathan Camera
Royal Oak, MI
(810) 399-8886

Studio Center Photographics
Ann Arbor, MI
(734) 761-8530

MINNESOTA

National Camera Exch.
Golden Valley, MN
(612) 525-8000

West Photo
Minneapolis, MN
(612) 379-2321

MISSOURI

City Photo of St. Louis
St. Louis, MO
(314) 645-9999

Independent Photo
Kansas City, MO
(816) 421-3644

W. Schiller & Co.
St. Louis, MO
(314) 968-3650

MONTANA

F-11 Photo
Bozeman, MT
(406) 587-1300

NEVADA

Casey's Camera
Las Vegas, NV 89119
(702) 736-0809

NEW JERSEY

Fishkin Brothers
Perth Amboy, NJ
(800) 273-4702

Le Camera
Mercerville, NJ
(609) 588-9090

Photo Stop
Westwood, NJ
(201) 664-4707

Pro Set
West Paterson, NJ
(973) 256-6626

NEW MEXICO

Camera & Darkroom
Albuquerque, NM
(505) 255-1133

Camera & Darkroom
Santa Fe, NM
(505) 983-2948

NEW YORK

Adorama
New York, NY
(212) 627-8487

Alkit Pro Camera
New York, NY
(212) 674-1515

Armato Photo
Glendale, NY
(718) 628-6800

Calumet New York
New York, NY
(212) 989-8500

Foto Care, Ltd.
New York, NY
(212) 741-2990

Gil Ghitelman
New York, NY
(212) 924-3020

K & M Camera, Inc.
New York, NY
(212) 532-1106

Ken Hansen NY Inc.
New York, NY
(212) 317-0923

Lens & Repro
New York, NY
(212) 675-1900

New Wall Street Camera
New York, NY
(212) 344-0011

Split Image
Smithtown, NY
(516) 265-2433

NORTH CAROLINA

Camera Corner
Greensboro, NC
(910) 855-3310

Camera World
Charlotte, NC
(704) 375-8453

OHIO

Dodd Company
Cleveland, OH
(216) 361-6800

Metzger Photo Supply
Akron, OH
(330) 535-2693

OREGON

Citizen's Photo
Portland, OR
(503) 232-8501

Pro Photo Supply
Portland, OR
(503) 241-1112

PENNSYLVANIA

Camera Clinic
Clifton Heights, PA
(610) 626-9100

Mid City Camera Exch.
Philadelphia, PA
(215) 735-2522

The Camera Shop
Bryn Mawr, PA
(610) 527-0300

RHODE ISLAND

Audio Visual, Ltd.
Providence, RI
(401) 861-2553

UTAH

Wasatch Photographic
Salt Lake City, UT
(801) 261-1707

VIRGINIA

ProTech, Inc.
Alexandria, VA
(703) 941-9100

WASHINGTON

Glazer's Camera Supply
Seattle, WA
(206) 233-0211

Optechs
Seattle, WA
(206) 343-9900

WISCONSIN

Helix / Photoart
Milwaukee, WI
(414) 271-2252

Hasselblad Hot Stuff Boutique

The Hasselblad Hot Stuff Boutique offers a wide variety of practical and exclusive articles. Carefully selected and labeled with the Hasselblad logo or symbol, they are the perfect gifts to your friends, or to yourself.

These are just a few of our exciting new products. To preview the entire new official Hasselblad Hot Stuff Boutique line, visit our website at hasselbladusa.com, visit your local authorized Hasselblad retailer or write to Hasselblad USA Inc. to receive a copy of the new catalog.



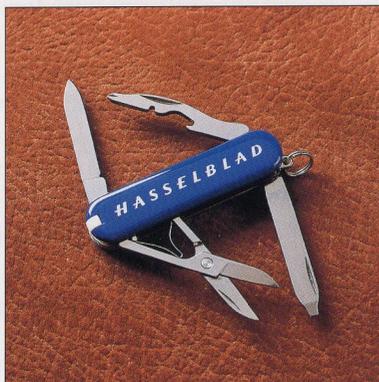
CHARCOAL CAP HA3520

Unconstructed six panel washed twill cap with leather strap and brass buckle closure. "Hot Stuff" embroidered logo.



MINI MAGLIGHT HA4450

Flashlight crafted of aircraft aluminum. A must for your equipment bag. AA size batteries included. Blue color with white logo.



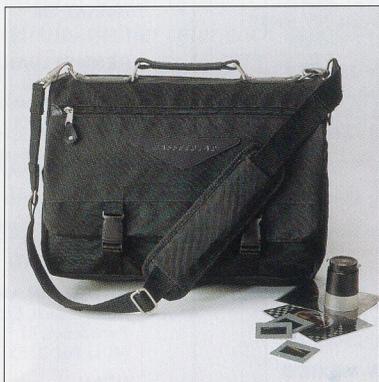
SWISS ARMY KNIFE HA4400

Classic pocket knife with blade, scissors, screwdriver tip, tweezers and more. 2 1/4" cobalt blue handle with white logo.



TRAVEL TUMBLER HA4000

14 ounce stainless steel, foam insulated tumbler with slosh proof lid and ribbed grips. Tapered to fit most beverage holders.



ATTACHÉ HA3000

Made of durable, heavyweight ballistic nylon. Satin nickel hardware, detachable shoulder strap and rear computer pouch. 16 1/2"x12"x6". Black with white logo.



DIRECTOR'S CHAIR HA5500 BAR CHAIR HA5510

Both chairs have natural finish frame with canvas seat and back in navy color. Logo is silk screened in white. The Bar Chair is 45" high.



HERRINGBONE SWEATER HA1800

Navy blue crewneck sweater in 100% heavy-weight pre-shrunk cotton. Embroidered white logo. Sizes from M to XXL.



BERBER CREWNECK HA1510

Textured berber knit sweatshirt in 100% cotton. Black with embroidered white logo. Sizes M to XXL.

FORUM

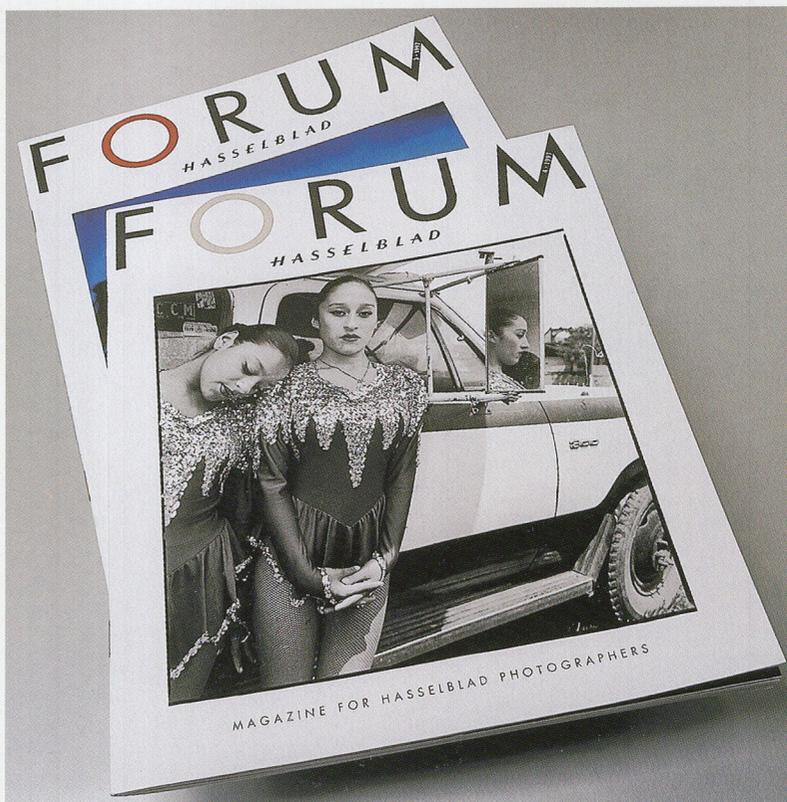
HASSELBLAD

FORUM is a photo magazine, published quarterly by Victor Hasselblad AB in English, German, Spanish and Swedish. As the name indicates, it is a forum and a meeting-point for Hasselblad photographers and fans from all over the world.

By subscribing to FORUM you will enjoy high-class pictures taken by leading professional and discerning amateur photographers, and be able to share their techniques and experiences using Hasselblad equipment.

You will also be informed about major events in the Hasselblad world of photography, get reviews of interesting books, and receive up-to-date news about the Hasselblad System.

In other words, there are lots of reasons to subscribe.



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