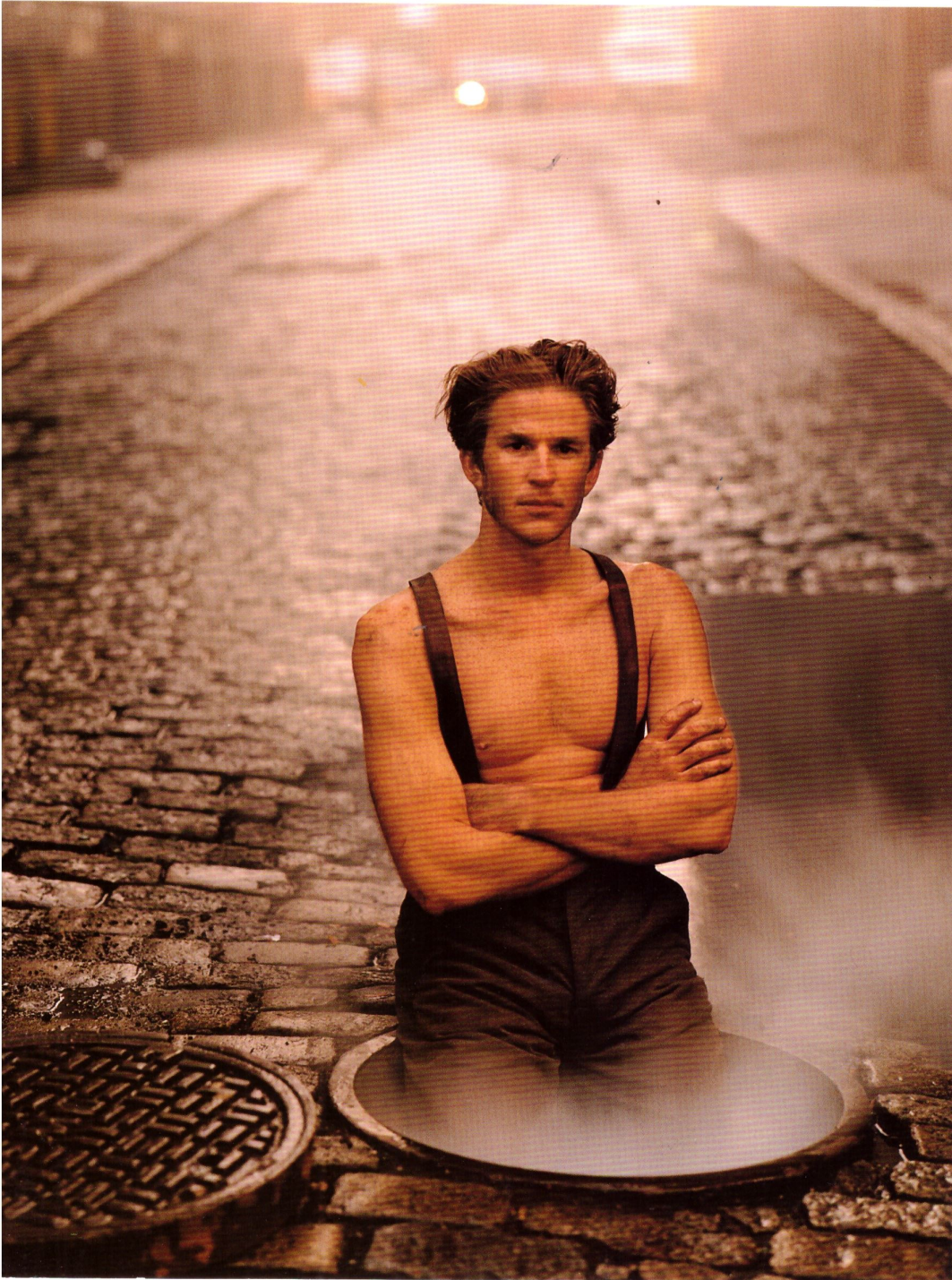


Mamiya

RZ 140mm f/4.5 L/A MACRO

RB 140mm f/4.5 K/L MACRO



•
“Full length...
or tight face...
It’s such an
advantage
not having to
change lenses.”



Annie Leibovitz on the Mamiya 140mm f/4.5 Macro

“When I’m shooting in a small space, I’ll often start with the 90mm. But I usually end up switching to the 140 because it helps me concentrate on my subject. I don’t want to have a great give-and-take session going, then lose it because I have to fiddle with the equipment.”

The Mamiya 140mm f/4.5 Macro

A remarkably versatile lens, the Mamiya 140mm f/4.5 Macro delivers consistent, razor-sharp performance throughout an extended focusing range. It is considered both a long-normal and macro lens.

For normal and moderate close-up photography:

The 140mm is an indispensable tool when shooting portraits in tight quarters or when the subject is likely to require a wide range of views during the same shooting session. Its focusing range is from infinity to 30 inches. Unaided, its magnification range is from infinity to one-third life size.

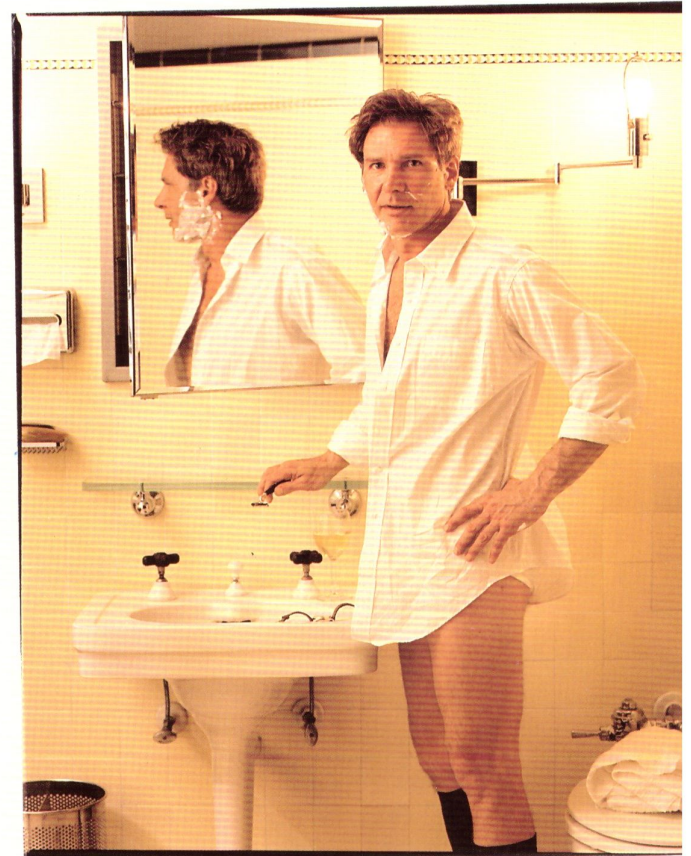
The 140mm renders a flattering longer-than-normal perspective, without the characteristic foreshortening of longer focal length lenses. Slight compression of the subject yields a very natural-looking proportion, making it particularly useful for portrait and product photography. When used at maximum aperture, in combination with its mild telephoto perspective, it provides distinctive separation of subject and background.

Since it renders increased lens-to-subject distance, the 140mm gives the photographer ideal proximity for both intimacy and working distance.

In both studio and environmental portrait applications, the 140mm allows an extraordinarily broad range of uninterrupted focusing: Full length shots at a camera-to-subject distance of less than 15 feet, head and shoulders at 6 feet, full face at 3.5 feet and partial face at 2.5 feet.

The minimum aperture of f/32 makes great depth-of-field available for all photographic applications.

Photographers of all specialties will appreciate the extreme versatility and legendary sharpness which has earned the 140mm its hallmark reputation.



Annie Leibovitz ©1995

Subjects and clients with famous names abound in the pinnacle world of Annie Leibovitz. Rarely have the visions of a photographer captured the imagination of so many celebrities, publishers and commercial clients. With an unchallenged style and evocative flair, Leibovitz continues to define the cutting edge of contemporary portraiture.

The 140mm provided Leibovitz with a wide enough angle of view, yet a long enough focal length to prevent distortion in this portrait of actor Harrison Ford.

Standard of Excellence

Mamiya lenses are designed and built for today's foremost photographers who expect their equipment to provide both outstanding and distinctive results.

Engineers at Mamiya have developed rigorous performance criteria for each lens design. No detail is overlooked. No test is omitted. The goal is technical perfection... The result is a series of lenses which have set the new world standard of performance. A perfect example is the 140mm f/4.5 Macro.

It is a state-of-the-art, modified Gauss design with an adjustable floating group for variable flat field correction, using Mamiya's own formulation of high density/low dispersion glass. Each lens element is precisely polished and coated using Mamiya's proprietary multi-coating process to increase light transmission, dramatically reduce flare, ensure crisp, clean whites and vibrant, yet natural colors.

Color balance of the 140mm has been perfectly matched to the entire series of RZ and newly designed RB K/L lenses, to assure identical color reproduction with all focal length lenses.

Mamiya engineers and inspectors test continuously as the lens is assembled to insure flawless quality. The result is a lens designed so carefully, built so meticulously, that it consistently renders extraordinary performance!

It is Mamiya's unique balance of extreme sharpness, brilliant contrast, accurate and consistent color fidelity and overall high performance that captures the imagination of contemporary photographers who choose Mamiya to express their personal visions.

Among today's community of world famous photographers, Mamiya lenses have established themselves as the new benchmark by which others are measured.

Accessories:

1.4x Tele Converter Lens—RZ and RB

Enables 140mm f/4.5 to be used as an effective 198mm f/6.4 lens without loss of image quality.

Auto Extension Tubes—RZ and RB

No. 1 Tube (45mm) and No. 2 Tube (82mm) may be used separately or in combination for up to 1.22x life-size magnification. Enables closer than normal focusing distances, down to 7.6 inches, when combined.

Bellows Lens Hood—G-2 and G-3

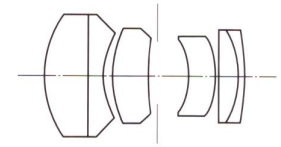
Shields lens from extraneous light. 3" gel filter holder available.

Specifications:

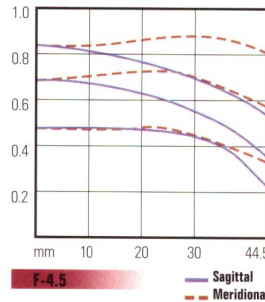
There are many measures of lens excellence. Some aspects are subjective, such as appearance and handling. Others are quantifiable, such as sharpness, contrast, and distortion.

Mamiya lenses have achieved a reputation of greatness and possess a unique balance of superb edge-to-edge sharpness, faithful color reproduction and evenness of illumination. The resulting images captured on film are those which photographers hold in the highest regard.

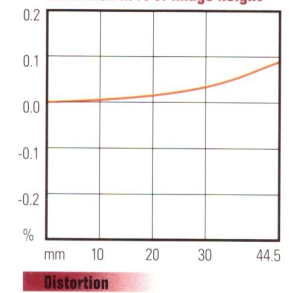
The MTF (Modulation Transfer Function) charts for the Mamiya 140mm f/4.5 Macro are supplied for those photographers or optical specialists who wish to examine the details of quantifiable data.



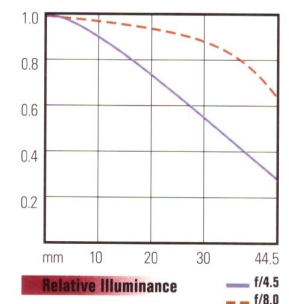
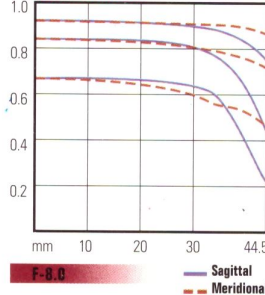
f/number k=4.5



Distortion in % of image height



f/number k=8.0



OPTICAL CONSTRUCTION	6 ELEMENTS IN 4 GROUPS
ANGLE OF VIEW 6X7 FORMAT	35°
EQUIVALENT FOCAL LENGTH TO 35MM	68MM
APERTURE RANGE	f/4.5 TO f/32
MINIMUM FOCUSING DISTANCE	2.5 FT. (.76M) W/O EXT. TUBES
MAXIMUM MAGNIFICATION RATIO	0.33X W/O EXT. TUBES
MINIMUM AREA COVERED W/O EXT. TUBES	6.8" X 8.4" (173 X 214MM)
MAGNIFICATION RANGE W/ 82MM TUBE	.32 - .64X
MAGNIFICATION RANGE W/ 42MM TUBE	.58 - .90X
MAGNIFICATION RANGE W/ 82+42MM TUBE	.90 - 1.22X
FILTER SIZE	77MM
DIMENSIONS (LxW)	4.1" X 3.8" (104 X 97.2MM)
WEIGHT	2.05 LBS. (930G)

•
“Sometimes
I think the
image is
sharper than
being there.”



Jim Zuckerman on the Mamiya 140mm f/4.5 Macro

“Although I specialize in wildlife, nature and international travel, I love photography so much, I cannot confine my work to one area. When I was younger my work reflected my moods, my emotions. Now it’s just the joy of making pictures that drives me. And, with the 140mm, I never have any doubt about critical sharpness.”

The majority of photographs taken by Jim Zuckerman are wholly of his own creation, taken for himself and for stock. He successfully markets his work to major corporate clients in his own unique way. Zuckerman is the author of three books. His articles, images and photo features have appeared in national and international publications including *Time-Life*, *Omni* and *National Geographic*.

The 140mm for close-up and macro photography:

In addition to its use as a long normal, the 140mm has been designed to yield unparalleled sharpness in close-up and macro photography. It is superbly corrected for curved field reproduction throughout the focusing range.

Additionally, an adjustable group of floating lens elements is incorporated for precise flat field reproduction.

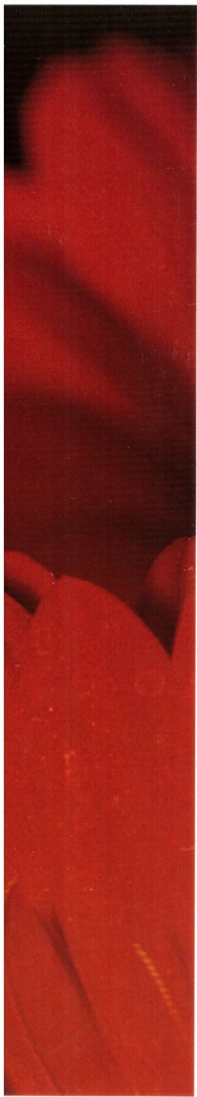
The 140mm's unique adjustable floating element system for flat field correction sets it apart from all other lenses. This feature is essential for critical copy work, as it optimizes the lens to capture data with utmost edge-to-edge sharpness from a flat plane.

Variable correction is dialed in according to lens extension and magnification, to assure perfect center-to-edge sharpness at all aperture settings. It is invaluable in applications such as slide duplicating, and recording of artwork or documents for archival and scientific purposes.

Outdoors, the 140mm can picture vast landscapes with breathtaking clarity, or capture minute natural details, both with ease of continuous focus. The longer-than-normal focal length also permits a comfortable camera-to-subject working distance, essential for positioning of lighting equipment in close-up situations. As such, 140mm has become the premier lens for the naturalist photographer.

In industrial applications, such as photographic analysis of the manufacturing process, the 140mm can be utilized to record full scale equipment in its environment as well as extreme close-ups of component details.

Optional extension tubes further extend the focusing range to greater than life-size, making the 140mm the foremost choice for cosmetics, jewelry, and small product photography.



Jim Zuckerman ©1995

Zuckerman's transmissive lighting of a cameo carved into the surface of a seashell adds an ethereal glow to the miniature. Photographed with the 140mm at f/32.



Jim Zuckerman ©1995