

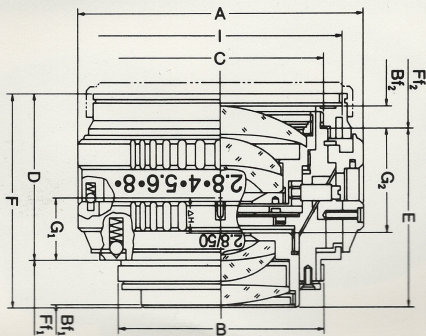
Now that you've  
chosen to use  
the world's finest  
large format lenses...  
Take a sharper look  
at Fujinon's  
EX Enlarging Lenses.



# Why Fujinon?

You know how good Fujinon's large format lenses are—so why compromise when it comes to printing your image?

Fuji Photo Film is the only company in the world to manufacture professional enlarging and large format lenses, as well as color film and paper products. So, Fuji understands the photographer's demands for images that are razor sharp from edge to edge. With excellent contrast and color reproduction.





# Sharpest Images

Many manufacturers still produce lens designs which rely heavily on cemented element construction. Fujinon is a pioneer in the development and manufacture of air-spaced element lenses. While more difficult to manufacture, lenses using air-spaced elements yield significantly sharper images across the entire film plane.

## Exceptional Contrast

Most quality lenses are coated, but Fujinon takes their lenses one step further with its own patented multi-layer coating technology called Electron Beam Coating (EBC). EBC is significantly different from conventional coating processes in three aspects, (1) the number of coatings possible; (2) the thinness of the coatings; (3) the materials used for coating.

Rather than coating each element with a few thick layers of coating, Fuji EBC lens elements receive up to 11 exceptionally thin and uniform coatings. The final result is 99.8% light transmission, superior contrast, sharper and brighter images and virtual elimination of ghost and flare.

# Specifications

| Length unit: mm                                                         |                           | EBC FUJINON EX |         |                           |  |
|-------------------------------------------------------------------------|---------------------------|----------------|---------|---------------------------|--|
| Focal Length                                                            | 50                        | 75             | 90      | 135                       |  |
| Maximum aperture                                                        | 2.8                       | 4.5            | 5.6     |                           |  |
| Lens configuration (comp—elem)                                          | 4—6                       |                | 6—6     |                           |  |
| Angle of coverage                                                       | 50°                       | 55°            | 58°     | 62°                       |  |
| Recommended negative size (open)                                        | 24 x 36                   | 56 x 56        | 56 x 84 | 100 x 125                 |  |
| Minimum aperture                                                        | 16                        | 22             | 32      | 45                        |  |
| Designed magnification                                                  | 15                        | 8              | 7       | 6                         |  |
| Useful magnification range                                              | 2 ~ 20                    | 1.5 ~ 15       |         | 1.5 ~ 10                  |  |
| Achromatized wavelength range                                           | 380m $\mu$ ~ 700m $\mu$   |                |         |                           |  |
| Designed focal length                                                   | 51.8                      | 77.2           | 91.9    | 136.8                     |  |
| Barrel outer diameter (A)                                               | 54 $\varnothing$          |                |         | 64 $\varnothing$          |  |
| Flange mount thread size (B), (C)                                       | 39 $\varnothing$ P = 1.0  |                |         | 53 $\varnothing$ P = 0.75 |  |
| Barrel length (D)                                                       | 31                        |                |         | 43                        |  |
| (E)                                                                     | 33.5                      |                |         | 44                        |  |
| Overall length (F)                                                      | 40                        |                |         | 54                        |  |
| Flange focal length (Ff <sub>1</sub> )                                  | 38.5                      | 68.6           | 82.1    | 121.2                     |  |
| (Ff <sub>2</sub> )                                                      | 25.3                      | 62.9           | 75.0    | 115.9                     |  |
| Back focal length (Bf <sub>1</sub> )                                    | 30.1                      | 62.1           | 74.8    | 111.2                     |  |
| (Bf <sub>2</sub> )                                                      | 21.2                      | 63.7           | 72.9    | 107.7                     |  |
| Distance from 2nd principal point (H') to rear flange (G <sub>1</sub> ) | 13.2                      | 8.2            | 9.9     | 15.6                      |  |
| Distance from 1st point to front flange (G <sub>2</sub> )               | 26.4                      | 14.3           | 17.0    | 20.9                      |  |
| Principal interval ( $\Delta$ H)                                        | -15.2                     | 1.9            | -2.3    | -3.5                      |  |
| Attachment size (I)                                                     | 46 $\varnothing$ P = 0.75 |                |         | 55 $\varnothing$ P = 0.75 |  |
| Weight (g)                                                              | 95                        | 100            | 95      | 310                       |  |

# Special Features

Fujinon's lens designers made their enlarging lenses even more convenient to use in the darkroom by incorporating an illuminated aperture scale. And, for easy viewing, the lens can rotate 350° in the lens board.

So take a sharper look at Fujinon's EX Enlarging Lenses. You'll like what you see.



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