

ExpoAperture Depth of Field Guide

MEDIUM FORMAT FILM INSTRUCTIONS 120/220 film square format

Using the ExpoAperture Depth of Field Guide with medium format film (120/220) is very simple; you either multiply or divide the number of zones by two as you switch from one side of the Guide to the other. If starting on the front of the Guide multiply the number of zones by two and then use that number of zones on the Zone Dial. If starting on the Zone Dial divide the number of zones by two and then use that number of zones on the front of the Guide.

Example 1: Determine the appropriate aperture setting and focal point to produce a given depth of field, such as 7½ feet to infinity, using a 100mm focal length lens.

- 1.a On the Zone dial (the back of the Depth of Field Guide) determine how many zones need to be in focus.

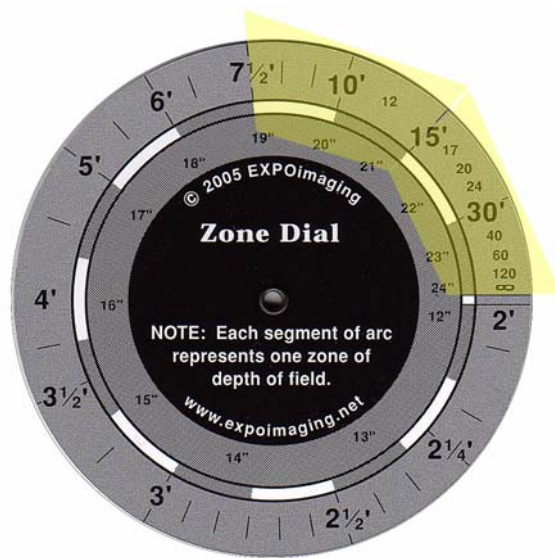
For 7½ to infinity to be in focus, four (4) zones are required.

- 1.b Determine the mid-point of the zones to obtain the required focal point.

**The mid-point is 15 feet
Focus your lens at 15 feet**

- 1.c Divide the number of zones by two (2).

The number of zones is now 2

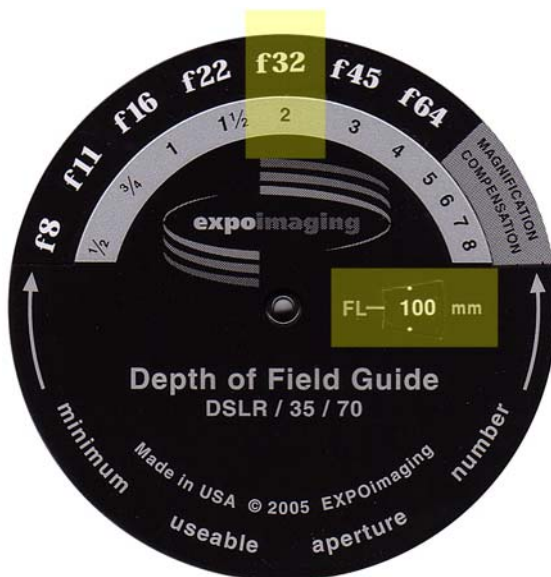


- 1.d On the front of the Depth of Field Guide set the dial to the actual focal length of your lens.

100mm

- 1.e Read the required aperture setting above the number of zones determined in step 1.c above.

**Using 2 focus zones
The required aperture is f32**



Example 2: Determine the depth of field obtained when using a specific focal length and aperture setting using a 120mm focal length lens, f22 aperture, and focal point (subject) distance of 10 feet.

- 2.a On the front of the Depth of Field Guide set the dial to the actual focal length of your lens.

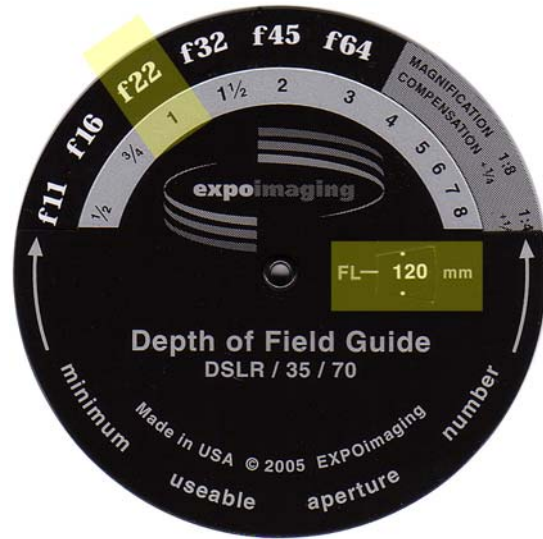
120mm

- 2.b Read the number of zones on the dial below the f-stop you want to use.

**Using an aperture of f22
The number of zones is 1**

- 2.c Multiply the number of zones by two (2).

The number of zones is now 2



- 2.d On the Zone Dial (the back of the Depth of Field Guide) determine the distance to the focal point (subject).

10 feet

- 2.e Center the number of zones determined in step 2.c on your focal point and read the depth of field.

**Using 2 focus zones at 10 feet
The depth of field is...
7 1/2 to 15 feet**

