

Photography - Aperture and Shutter Speeds

Photographs can be enhanced by manually changing aperture and shutter speed settings. The aperture restricts the amount of light passing through a lens while the shutter speed controls the length of time the light is allowed to pass through.

The follow shows the relationships and effects.



**Small aperture
(small hole)**

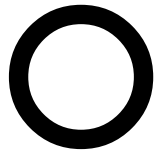
**BIG F stop number
e.g. F16, 22**

**BIG depth of
field**

**Foreground and
background in focus**

**Less light
coming in**

**Slower shutter speed to give
correct exposure.**



**Big aperture
(big hole)**

**Small F stop
number
e.g F 3.5, 5.6**

**SMALL depth
of field**

**Subject sharp.
Foreground and
background blurred.**

**More light
coming in**

Faster shutter speed

Shutter speed:

Slow – blurs movement. Beware camera shake at 1/60 or less. Consider using flash.

Fast – freezes movement. e.g. 1/500 or faster
