

Open in a PDF viewer and print "fit to page" for accurate sizing

PRISMS

PERCEIVED LOCATION OF OBJECT (IMAGE)

ACTUAL LOCATION OF OBJECT

APEX

BASE

LIGHT RAY (FROM OBJECT) LEAVING PRISM

PRISMS

**LIGHT DEVIATES TOWARDS THE BASE
IMAGE 'MOVES' TOWARDS THE APEX**

If the patient has binocular single vision (BSV):
Adding prism to one eye causes double vision unless the eye can turn to focus the deviated light at the fovea. This causes the eye to turn away from the base to try to keep the image single. The direction the eye turns in a BSV patient determines which base you need for a particular deviation. E.g. the eye turns inwards with a base-out prism, so base-out will help someone with an inward-turning eye (Esotropia).

IMAGE FORMING AWAY FROM FOVEA OF LE - DOUBLE VISION!

EYE TURNS TO FORM IMAGE ON FOVEA OF LE - SINGLE VISION!

If the patient has a deviated eye:
These patients have double vision because they are unable to appropriately control movement of their deviated eye; therefore the light itself needs to be deviated to move the image to the fovea in order to produce single vision. This means that the base of the prism needs to face the opposite direction to the deviated eye. E.g. Esotropia (turning in) requires base-out.

IMAGE FORMING ON FOVEA OF LE - SINGLE VISION!

Cut

Fold

www.samstrongvision.com

Cut along the solid black outline and fold along the dotted line to create your double-sided, credit-card sized prism guide!