

# Select a proper main size and a lens type

## Lens

### Un-cut lens with insert socket

Crane & Wire stainless steel  
Attachment & insert socket Polyamid

Un-cut Polarized lens 32%

Quantity

2: 27L x 40H M: 61L x 48H L: 62L x 48H

### Un-cut Polarized lens type

\* 0.8mm thick Polycarbonate Lens

Color	Transmission	Refraction	Purpose
Light Blue	21.0%	22.80%	indoor, computer use, contact lens wear
Light	24.0%	22.80%	snow field
Yellow			
Dark Green	28.0%	28.0%	indoor and outdoor, rainy driving, off-road use
Light Brown	28.0%	28.0%	indoor, daytime driving, snow field
Dark Brown	28.0%	28.0%	indoor, daytime driving, snow field
Light Grey	28.0%	28.0%	all sport, fishing, driving
Dark Grey	28.0%	28.0%	all sport, fishing, driving

# CAESAR-FLIP II

## LENS CUT MANUAL

### \* 1.5mm thick Polycarbonate Lens

Color	Transmission	Refraction	Purpose
Light Blue	18.0%	19.20%	snow field
Light	21.0%	22.80%	early morning late evening, fishing, shooting
Dark Green	22.0%	22.80%	indoor, all sport, golf, daytime driving
Light Brown	22.0%	22.80%	outdoor, daytime driving, snow field
Light Grey	22.0%	22.80%	all sport, fishing, driving
Dark Grey	22.0%	22.80%	outdoor, daytime driving, water sports

### Un-cut lens type

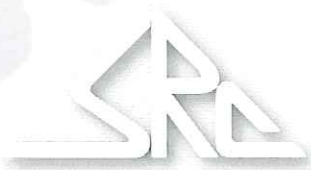
\* Polycarbonate Clear Plus lens (p=60mm)

- Power: +1.00
- +1.50
- +2.00
- +2.50
- +3.00

### Standard Polarized Lens Type

\* Square Type: S, M, L

\* Oval Type: S, M, L



# Preparing before cutting by machine

A metal frame is used in this manual.

● A lens cutter NIDEK LE-1000 is used in this manual.



- Main Body; S size, For metal frames
- Polarized Lens; Dark Brown

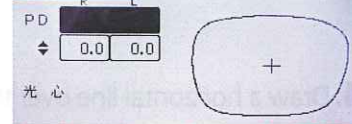
## Trace lens shape and write FPD down



Measure FPD (=Frame Pupillary Distance) by Auto Trace.  
Write FPD value down.

Because FPD value on display changes when changing lens offset size.

Write FPD value down.



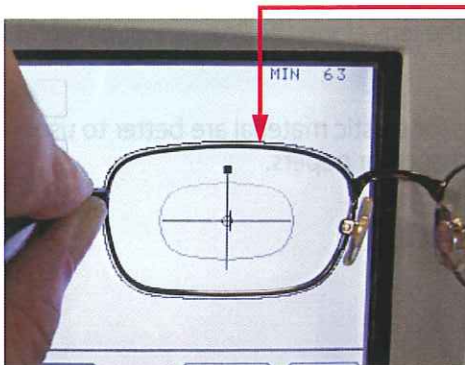
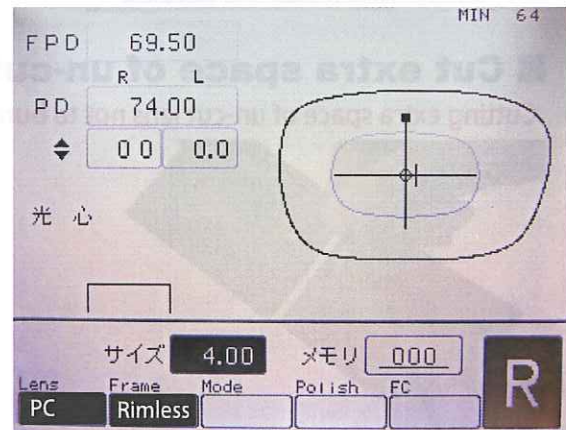
Caution: Do not use the FPD value marked on a frame temple.

## Set up the monitor

1. Select "Polycarbonate" for lens material.
2. Select "Rimless" for frame type.
3. Set up "offset".

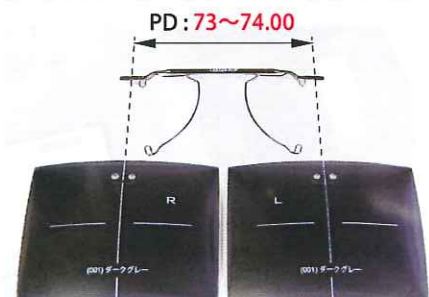
Point: Lens edge should be flat bevel.

For metal frames: +3.0-5.0mm  
For plastic frames: +6.0-8.0mm



Suggested lens size is 1-2mm bigger than the outline of the frame.

To make sure, put the frame on the monitor as the picture on the left.



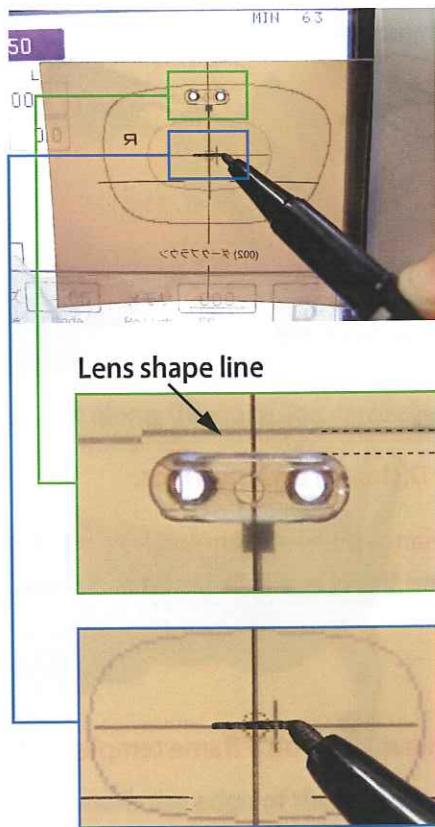
## Re-enter FPD value IMPORTANT

Re-enter the initial FPD value after FPD changed by offset.

## Enter PD value

Set up "73~74.00mm" at any time.

## ■ Draw the center lines



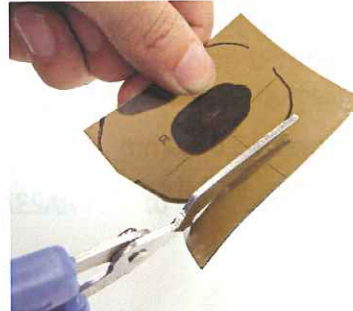
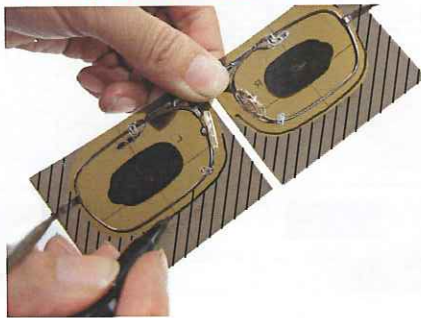
Draw the longitudinal line on the center of the insert socket.

### Horizontal line

1. Put an un-cut lens with **concave side up** on display.
2. Match the longitudinal line of lens and PD (74mm) line on display.  
**Point:** See from perpendicular direction to obtain accurate horizontal line marking.
3. Set the top line of insert socket just about 1-2mm below the top line of lens shape.  
**about 1-2mm (Do not set too close.)**  
**Point:** See from perpendicular direction to obtain accurate horizontal line marking.
4. Draw a horizontal line over the horizontal center line on display.
5. Stick the lens holder on the lens.

## ■ Cut extra space of un-cut lens

**Cutting extra space of un-cut lens not to burden lens cutter is suggested.**



1. Insert a main body into un-cut lenses and attach to a frame.  
Draw an offset line with 5-6mm away from the lens shape out line.  
**See page 8 to proceeding to mount on glasses.**

2. Cut the lens along the line.

**Point:**  
Scissors for plastic material are better to use than scissors for papers.

## ■ Set the lens into a lens cutter and cut

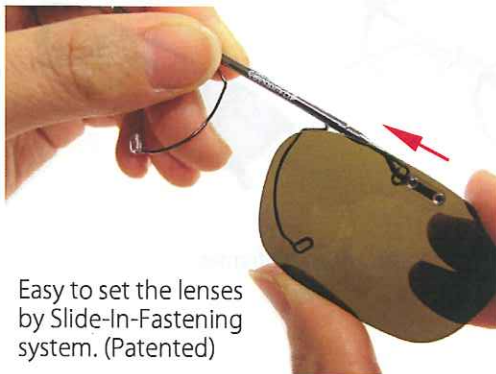


**Point:**  
Make sure that **L or R** on the display and **L or R** of lens are same.

**Point:** Confirm that FPD value is the measured value again.

# Mounting lens and fitting

## ■ Mounting lens

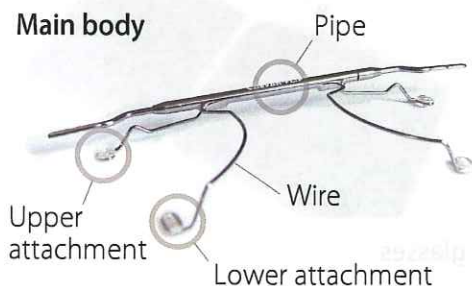


Easy to set the lenses by Slide-In-Fastening system. (Patented)

After finish cutting both size of lens, remove the protective film off.

Mount the lenses to a main body after clean the edge of the lenses by a cutter knife.

## ■ How to attach to glasses and check points



1. Hook the lower attachment to the rim of glasses.
2. Pull up straightly.
3. Hook the upper attachment on the top of the glasses.



Check the following points with wearing the glasses.

- A. Balance CAESAR-FLIP lenses and glasses in view of front.
  - B. Make interspace between CAESAR-FLIP lenses and glasses as little as possible in view of side, top, and bottom.
  - C. The CAESAR-FLIP can flipped-up properly.
- See page 8 for more detail.**

**Final adjustments are needed by wire & main body bending.**

## ■ Finished

