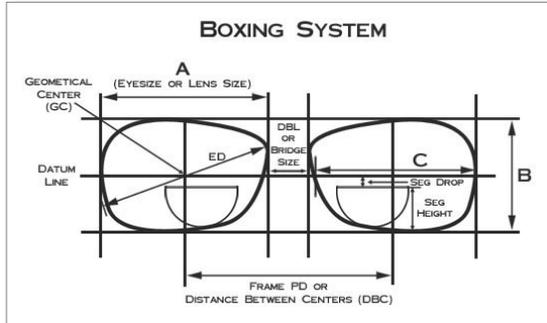


## HELP US, HELP YOU—IN REVIEW! OUR MOST HELPFUL TIPS TO EXPEDITE YOUR RXS AND KEEP YOUR PATIENTS SEEING THEIR BEST!

### THE IMPORTANCE OF FRAME MEASUREMENTS AND FRAME TYPE



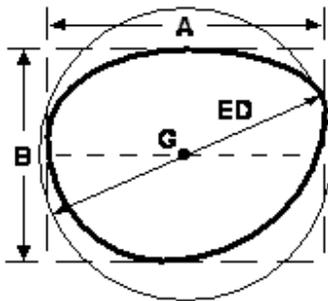
Two areas that will definitely help us help you avoid delays and redos are supplying accurate **frame measurements** and accurate **frame mounting type**.

The correct **A, B, ED,** and **DBL** are essential for proper cut-out on our finish jobs as well as your uncut orders. Proper box measurements also affect lens thickness. If the B and the ED are not supplied, our system uses default values. On high plus and minus jobs, the defaults will almost always add unwanted thickness. You can easily prevent this by supplying all four box measurements on every order.

In addition, indicating an incorrect frame mounting type will also cause a breakage and delay. Please remember to specify if you are sending a **hide-a-bevel, rimless groove, metal groove, drill mount,** or **zyl mount** when the order is placed so the correct lens thickness is ordered.

Providing complete and accurate frame information when ordering your patient's Rx "**helps us, help you**" get the job done right.

### TAKING PROPER ED MEASUREMENTS TO ENSURE CUT-OUT



ED – Effective Diameter; twice the longest radius from the geometric center of lens to the farthest edge.

Simply taking a pd stick and measuring the **longest diagonal** of the frame is **NOT** the same thing as the ED. If you provide the lab with the longest diagonal, you will likely have blank cut-out issues and your job will be delayed needlessly.

**Example:** In the lens depicted take a pd stick and measure the longest diagonal of the lens as you see it marked. If you measure 35mm across, you are correct. However, 35mm is **NOT** the ED measurement the lab requires to properly surface your lenses with the correct blank size.

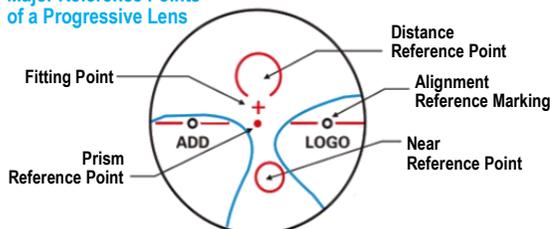
Following the definition of ED (below the diagram), next measure from the center dot marked G (Geometric Center) diagonally both ways. From the GC to the left diagonal edge, the measurement is 16mm, from the GC to the right diagonal edge the value is 19mm. That 2<sup>nd</sup> radius is the longer radius that you must double to get the ED value, which in this case is 38mm.

**How to properly find the G?** Trace the lens on paper and draw a box around the lens as shown with A and B. Then draw the 180 line and find the center. **Optical tracers will supply you with the correct ED measurement if the frame gets traced.** If you do not have a tracer, and rely solely on your eye and your pd stick to judge the ED, you risk miscalculating, ordering a blank that is too small, and thus causing delays to your order.

### REFRESHER: THE ANATOMICAL LAYOUT OF A PROGRESSIVE

Here is a helpful refresher chart on the anatomical layout of a progressive. This chart can be used on all progressives whether conventional or digital. It charts the major points of reference and where they are located.

#### Major Reference Points of a Progressive Lens



- **Distance Reference Point:** Place that circle on the reticle of your lensometer to check distance power. If the power is NOT read precisely at that circle, you will read the power, cylinder, axis incorrectly.
- **Alignment Reference Marking:** The 180 line
- **Near Reference Point:** Place that circle on the reticle of your lensometer to check the full near power.
- **Prism Reference Point:** The optical center of your lens and the ONLY spot you check for prism whether it is prescribed prism, or the result of surfacing prism thinning. Never check for prism in the Distance Reference Point.
- **Fitting point:** The point where the seg height was taken.

## ORDERING ONE LENS ONLY



When ordering **ONE lens only**, please be sure to supply us with the **OC HEIGHT** on Single vision, Flat top bifocals & trifocals, and the **EQUITHINNING** or (prism thinning) on progressives.

**What does this mean?**

- **OC Height** refers to the optical center. All single vision and lined bifocals and trifocals have an OC Height.
- **Equithinning** refers to the intentional amount of prism that is induced on progressive lenses when they are surfaced to flatten or slim the lens profile cosmetically. Some progressives have an equithinning value, some have zero equithinning.

**Where do I get these values?**

- **OC Height:**
  - On Single vision, and lined bifocals and trifocals, you can find the OC Height by placing the lenses on your lensometer and placing the ink marking dots at the distance point where your sphere and cylinder lines cross in the center of the target. The center dot is your OC Height in millimeters when you measure up from the bottom of the eyewire.
  - On a lined seg, you can also choose to reference the OC Height by stating how many millimeters above the seg line the OC Height is.
  - Either method achieves the same result.
- **Equithinning:**
  - You can find the amount of equithinning by using your progressive layout chart to dot up your lenses.
  - Once dotted, place the prism reference dot on your lensometer and check to see what, if any amount of base down prism exists.
  - If the doctor has NOT prescribed any prism, but base down prism exists here, then that value is your equithinning value, and it must be equal in both lenses.

**Why do we need this?**

- Not matching the OC Height or Equithinning of the other eye, we risk unwanted prism and vertical imbalance, further resulting in poor vision and potential headaches and discomfort for your patient.

## LENSES ONLY FOR A PATIENT'S OWN FRAME



When your patient is using their own aged frame for their new Rx order, please provide a circumference if ordering lenses edged only, or better still, send the frame so we can trace it.

Older frames, both zyl and metal, tend to stretch with age, and the circumference of the original lenses may now be too small after several months or years of wear.

## FRAME TO COME



Order info wrapped inside—requires more time to process frame.



Order info facing outward allows for quick job identification and faster processing.

To help us, help expedite your orders, kindly take care to wrap any third-party packing slips around frame with account and patient name facing **outward**. This helps us quickly match up the frame with your Rx.

Better yet, **request our frame envelopes** on our Order Supplies form at [advanceoptical.com](http://advanceoptical.com)!

## DRILLED RIMLESS INFORMATION



We strive every day to expedite your patients' Rx orders and ensure that they are accurate. When ordering a drill mount Rx, please make sure that you have clearly indicated both the shape number of the lens and the chassis number on the order. We find that often one is provided and not the other and this can lead to confusion and subsequent delays in processing. Also, please remember to include the A, B and ED dimensions for these drilled rimless Rx's.