

Al-Mustaqbal University

Department/ Optical techniques



جامعة المستقبل  
كلية التقنيات الصحية والطبية  
قسم التقنيات البصرية

## Medical glasses 2

*4<sup>th</sup> stage*

*By*

*PhD. Candidate.*

*Marrwan Hisham Mohammed*

*2024/10/14*

*Lecture 2*

*Double bridge*

### *Double bridge*

Double bridge square metal eyeglasses Andy Wolf mod. 4737 col.A silver. Unisex accessory with simple and clean lines and a square trapezium shape. Silver rectangular double bridge metal eyeglasses. Minimal and modern design in detail, from the double advanced bridge to the broken bridge. Elements that distinguish the glasses.



## Glasses Frames- How to choose the right size eyeglass frames?

**A.** When searching for eyeglass frames, whether for corrective lenses or fashion purposes, it's important to select a pair that fits properly. It's best if the frames are wide enough so that the temples, or 'arms', extend straight back to your ears without exerting pressure on the sides of your head. This pressure can lead to headaches and unsightly indentations on your head, and I don't think anyone wants dents in their head. Additionally, the frames should not be so wide that they constantly slide down your nose.

**B.** Optical Frame Size and Bridge Width: This is the way prescription eyeglass frames are sized. All prescription frames are sized based on 3 measurements, in millimetres:

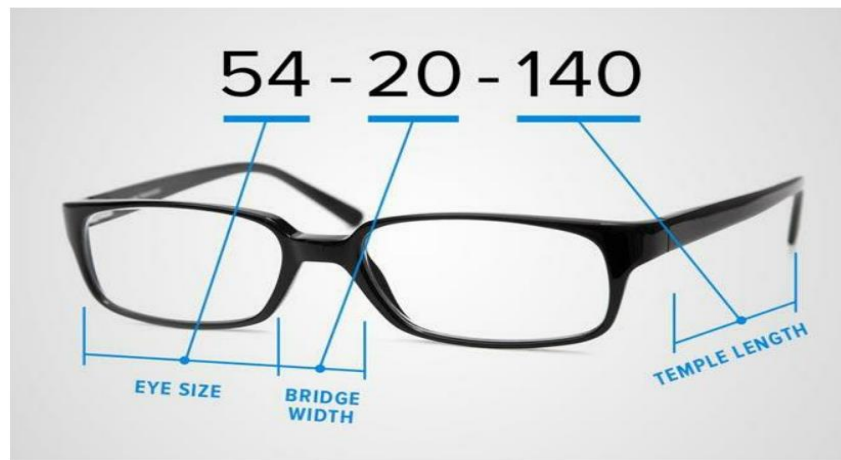
1. The length or width horizontally, of one lens in millimeters (mm).
2. The length or width of the bridge, again, in millimetres (mm).
3. The length of the temples is millimetres (mm).
4. The lens height is millimetres (mm).



## Frame sizes: The numbers

Eyeglass frame size is indicated by three numbers stamped on the inside of your glasses. These glass measurements usually appear on the inner surface of one of the frame temples that hold your glasses in place behind your ears.

**Specifically, the frame size numbers of glasses are:**



The key measurements that describe eyeglass sizes are the eye size, bridge width and temple length.

1. The eye size
2. The bridge size (frame width)
3. The temple length

All three eyeglass and sunglass frame measurements are specified in millimeters (mm).

For example, let's say you see these three numbers on the inside of your frames: 48-19-140.

### **Eye size**

The first number — the eye size — is the horizontal width of the lens.

In this case, the openings in the frame for the lenses are 48 mm wide. Generally, the eye size (lens width) of most glasses' frames will be 44 to 62 mm.

### **Bridge size**

The second number — the bridge size — is the distance between the lenses.

In other words, it's the size of the "bridge" of the frame that rests on your nose. In this case, the frame bridge is 19 mm wide. The bridge width of most eyeglass frames will be 14 to 24 mm.

### **Temple length**

is the length of the "arms" or "stems" of the frame.

Eyeglass temple size is measured from the hinge of the frame to the end tip of the temple. In this case, the temple length is 140 mm. Temple lengths generally range from 120 to 150 mm.

### **Other considerations**

Often, a small square (rather than a dash) will separate the eye size and the bridge size on the frame.

In addition to the eye size, bridge size and temple length, you may see other numbers (or letters and names) stamped on the inside of the frame. These usually are the frame model and/or the colour of the frame.

Be aware when ordering prescription glasses, two frames that have the same frame measurement may fit differently, depending on the style of the eyeglasses and the frame shape.

**Frame "Fit"** - We group our eyeglass frames into Frame-Fit categories. A Medium Fit fits medium-width faces.

Small	44-47mm
Small Medium	47-50mm
Medium	49-52mm
Medium Large	52-54mm
Large	54-56mm
Extra Large	56mm and up