

On behalf of Vision Expo, we  
sincerely thank you for being with  
us this year.

Vision Expo Has Gone Green!

We have eliminated all paper session evaluation forms. Please be sure to complete your electronic session evaluations online when you login to request your CE Letter for each course you attended! Your feedback is important to us as our Education Planning Committee considers content and speakers for future meetings to provide you with the best education possible.



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Jesse Walters, ABOM

- No Financial interests to disclose
- Account Representative and Optical Trainer for an independent OD owned national lab: Summit Optical
- CE Author, content editor and advisor for the Optical Training Institute
- CE contributor for Quantum Optical
- All relevant relationships have been mitigated

2

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The  
Bevel's  
Advocate



Jesse Walters, ABOM  
1-hour ABO

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### Frame Types

- ▶ Full Frame Plastic & Metal
- ▶ Semi-rimless Grooved
- ▶ Full Frame Metal Groove
- ▶ Wrap Sunglass
- ▶ Drilled Rimless



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### What could go wrong?

- ▶ Thickness
- ▶ Curling plastic frames
- ▶ Loose fit
- ▶ Stress fractures
- ▶ Delamination
- ▶ Temple splay
- ▶ Frame damage
- ▶ Gapping
- ▶ Poor cosmetics



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Full rim frames:  
using the common  
V-bevel

- ▶ Hide-a-bevel
- ▶ 1/3-2/3
- ▶ 50%
- ▶ Flush front
- ▶ Metal/Zyl edge

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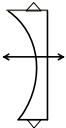
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Hide-a-Bevel




Named for its ability to disguise lens thickness by having a shallow V with the rest of the edge thickness flat against the frame side.

Sometimes called:

- 1/3-2/3
- V-bevel

(most labs default to this for all full frames)



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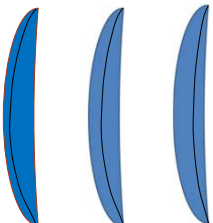
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Specified Percentage or Ratio

30%

50%

70%



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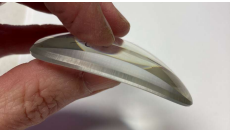
Base Curve vs. Bevel Curve

Matching the bevel curve to the frame curve

Minus: Flat B.C. for Rx, steeper curve for bevel to match frame



Plus: Higher B.C. for Rx, flatter bevel to match frame



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### Front Bevels

Any bevel that runs along the front edge of a lens following the front base curve.

Also called:

- Flush Front
- Follow Front
- Forward Bevel



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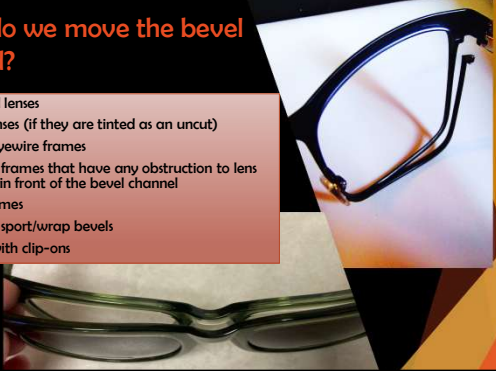
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### When do we move the bevel forward?

- Polarized lenses
- Tinted lenses (if they are tinted as an uncut)
- Double eyewire frames
- Specialty frames that have any obstruction to lens thickness in front of the bevel channel
- Wrap frames
- Specialty sport/wrap bevels
- Frames with clip-ons



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### Grooving



Groove Types:

- Semi-Rimless/Nylor
- Full Metal Groove
- Combination Groove/ V-bevel

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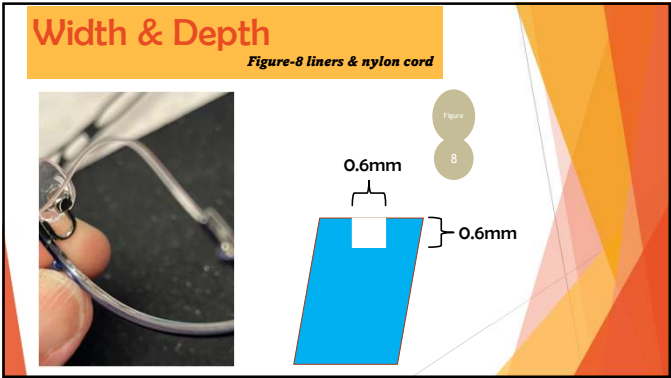
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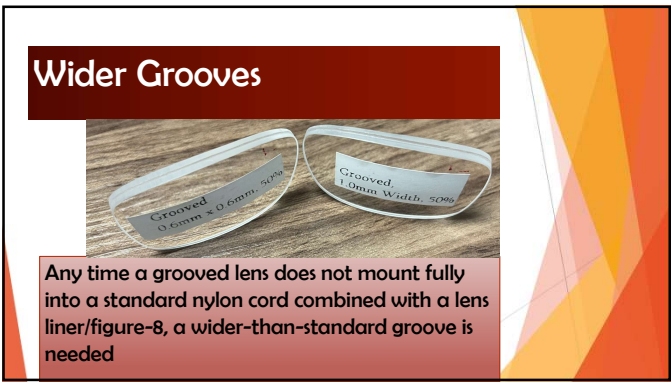
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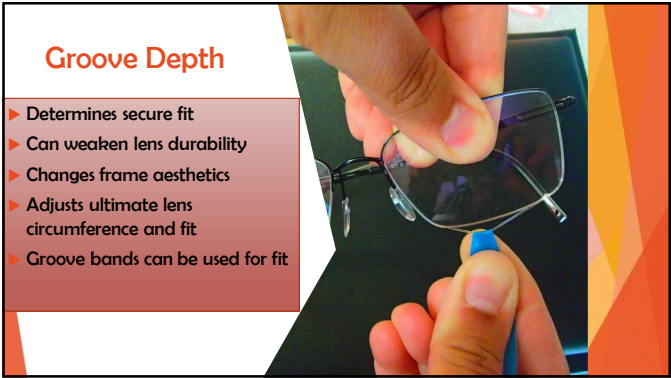
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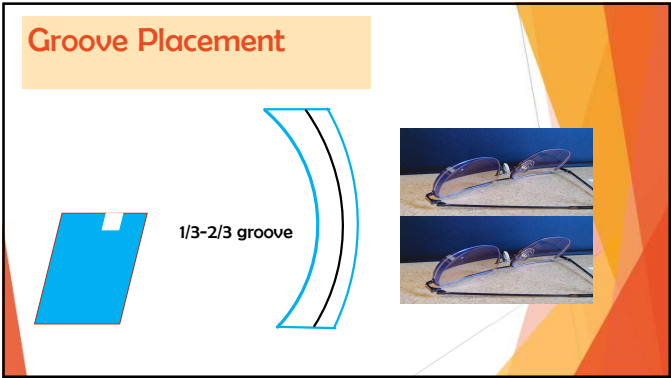
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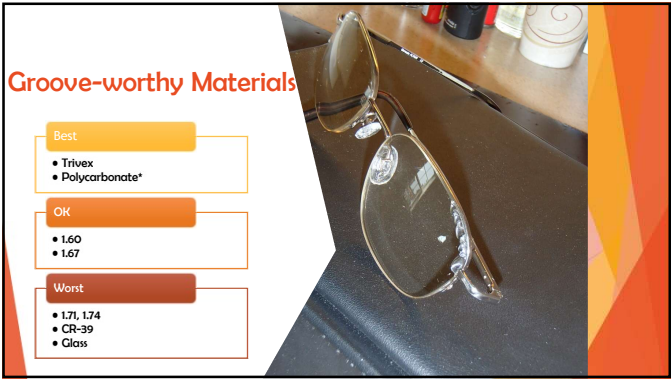
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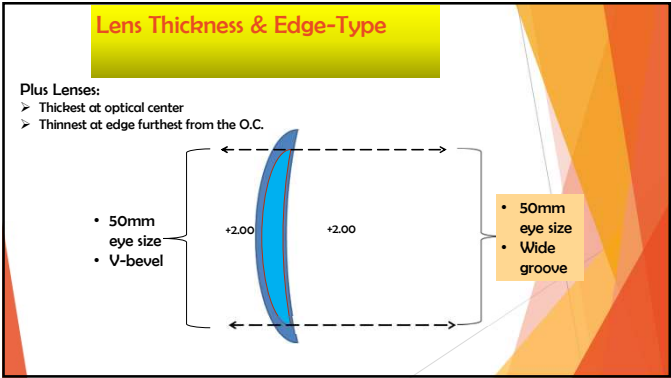
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### Frame & Edge Type

- ▶ **Standard:** Zyl/plastic frame with a v-bevel lens that requires no disassembly
- ▶ **Metal:** A full v-beveled edge in a frame that requires disassembly to mount
- ▶ **Rimless:** has a nylon cord in a grooved lens edge with figure-8 liner
- ▶ **Metal Rimless:** Frame eyewire nested in a grooved lens-requires wider groove
- ▶ **Drilled 4 or 8:** A mounting that requires holes to be drilled (per pair)
- ▶ **Shelf Bevels & Safety** must be identified properly on order...

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### Minimum Edge Thickness

- ▶ Zyl/metal/v-bevel/standard: 1.3mm min edge (can be specified as 1.0)
- ▶ Drill: 1.7mm
- ▶ Groove/rimless/nylon: 2.2mm
- ▶ Shelf Bevel: 2.2mm
- ▶ Rimless Metal: 2.4mm
- ▶ Safety: 3.0



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### When the Frame Determines Curve


High wrap frames often require specialty bevels  
Shelf, high wrap, & flush front bevels must follow the front curve of the lens  
Base Curve must be matched within one diopter of the demo lenses




Hide-a-bevel

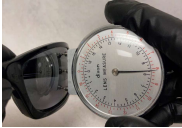


Shelf bevel



High wrap bevel





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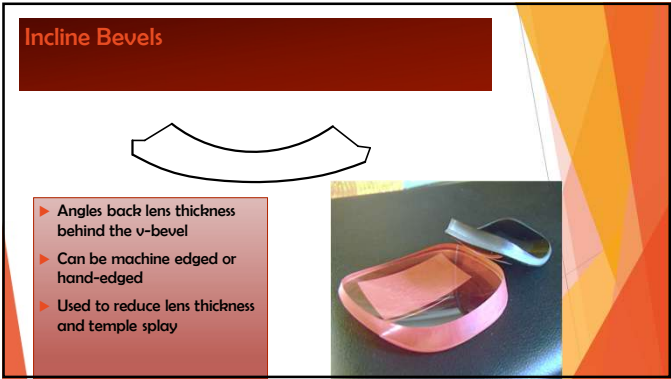
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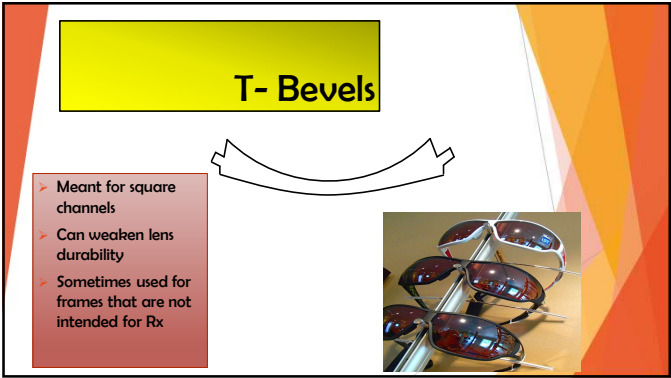
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### Getting What You Ordered

- ▶ Understand lab capabilities and terminology
- ▶ Understand lens menu options of edge type and frame type categories
- ▶ Lab will determine best bevel placement and type if the frame is provided
- ▶ Making notes specific and clear
  - ▶ Shelf/Notch/Wrap Bevels
  - ▶ Note & Include Clip
  - ▶ Note & Include Gasket/Foam Inserts/Side Shields

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### Know Your Frames, Know Your Lab

- ▶ Before committing to a frame line, talk to your lab about edging capabilities
- ▶ Host a training with a lab manager for unusual frame lines
- ▶ Be as specific as possible when asking for something out of the ordinary
- ▶ Allow for more time with any specialty bevel



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### Critical Frame Examination

- ▶ Un-mount demo lenses and look at frame groove as well as demo bevel.
- ▶ Note any frame models that need a specified wider groove
- ▶ Examine any obstructions to lens thickness on front and back of frame.
- ▶ Ask manufacturer for any special tools or instructions for every new frame line.

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