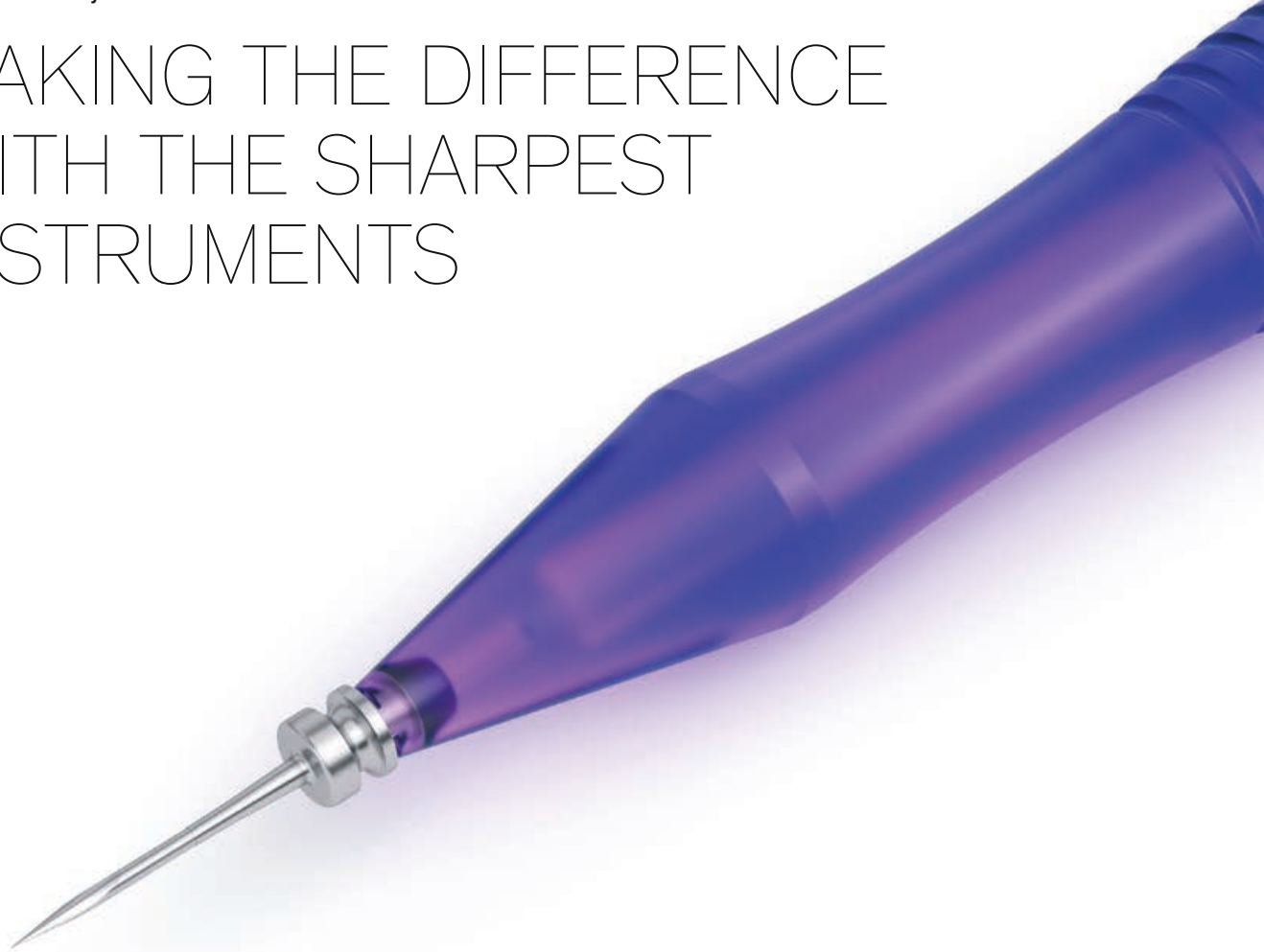


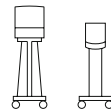
Caliburn™ trocar system

MAKING THE DIFFERENCE WITH THE SHARPEST INSTRUMENTS



Features and benefits

- Incision template for exact trocar placement
- Easy finding and entry with instruments
- Unique surface finish for even smoother incisions
- Less resistance on trocar edge-entry
- Patented integrated, double-slotted sealing membrane
- Patented snap-on lock infusion line for more flexibility
- Reliably constant IOP during surgery
- Reliable retention of the trocar
- Superb post-operative wound tightness
- Color coded for each gauge size



**Caliburn trocar system
one step, autoseal**

VV123311

⊗ ● 23 G

**Caliburn trocar system
one step, autoseal**

VV125311

⊗ ● 25 G

**Caliburn trocar system
one step, autoseal**

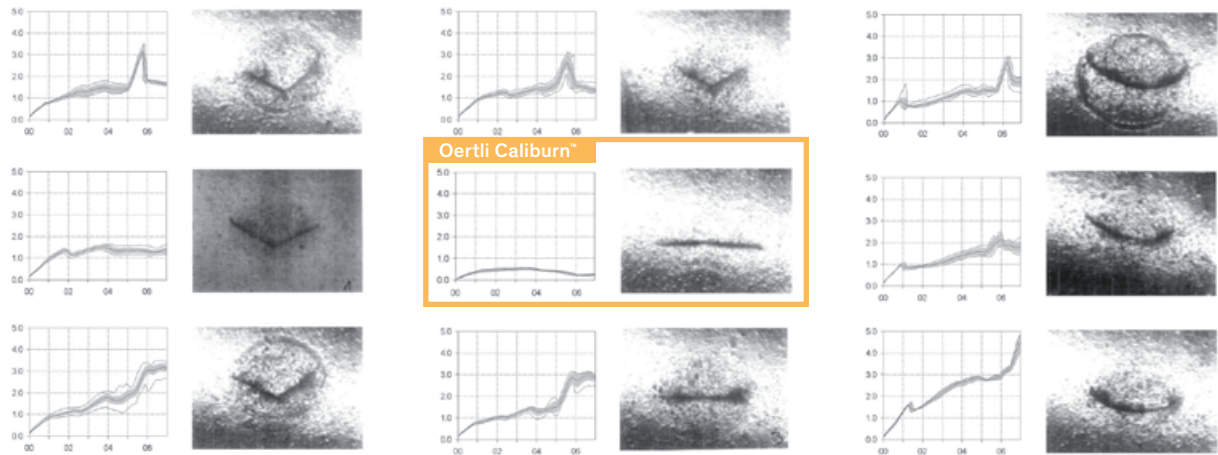
VV127311

⊗ ● 27 G

All articles are delivered sterile, single use, box of 10
and are also available in various vitrectomy packs

The independent study proves that the lancet-pointed needle from the Caliburn trocar system has remarkable low piercing force but high cutting force:

- 9 types of commercially available ophthalmic 23 G trocar systems investigated
- Analysis of different designs and geometries
- Penetration force measurement



Twenty-three-gauge trocar systems with penetration force diagrams and cut images. The left row shows three back bevel trocar systems from Geuder, Alcon, and Fritz Ruck. The middle row shows the back bevel from Oertli, the lancet bevel from Oertli, and spear bevel from Alcon. The right row shows three spatula bevels from Eyeteck, DORC, and Bausch and Lomb.*

*Source: Geometry, penetration force, and cutting profile of different 23-gauge trocars systems for pars plana vitrectomy, C.H. Meyer MD, H. Kaymak MD, published in the November 2014 issue of the Retina Journal (Volume: 34:2290–2299, 2014).



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