6.2.6 Prescription Lens Mounting Qualification
When tested in accordance with Section 9.11 and Section 9.12 complete devices using representative test lenses meeting the requirements of Section 6.2.5 and having the thinnest lens thickness to be used by the manufacturer, in no case less than 2.0 mm (0.079 in.) shall be capable of resisting high mass and high velocity impact. For each type of lens retention system offered for sale, one set of 10 complete devices shall be tested. Failure of any device as a result of the six (6) high velocity or four (4) high mass tests shall constitute failure for a set. Failure of a set constitutes failure of that lens retention system.

Lens retention systems are:

- Full rim eyewires that require bevel designs like a "safety V bevel and other lens beve ls" for metal frames.
- Full rim eyewires that require bevel designs like a "safety V bevel and other lens bev els" for plastic frames.
- Grooved metal frame style (T -Eyewire).
- Grooved semi rimless with half metal rim and suspension cord mountings.
- Three-piece rimless drill mount.
- Any mounting that is configured differently than described above to secure the lens and that is design/process dependent such that it requires a different lens beve ling process or mounting technique.

Manufacturers shall also conduct the test if it incorporates frames with different lens retention systems into the product offering. This type testing shall be performed when any substantive change in production occurs that could affect the ability of the device to pass the tests as described in Sections 9.11 and 9.12

High Mass
9.11.3.2 For each prescription lens retention system, four complete devices shall be tested.

High Velocity
9.12.3.2 For each prescription lens retention system, six complete devices shall be tested.

Note: All frames shall have the sideshields installed before sending them in for qualification testing

***Only Frames mark Z87-2+ can be used for this test.**