

Near, Far, Clear



Lenstec has become a leading designer and manufacturer of intraocular lenses since its founding in 1992. With a reputation for world class quality and innovation, Lenstec is dedicated to advancing the possibilities for ophthalmic surgeons and their patients worldwide. The Tetraflex IOL is just the latest in a long line of products designed to offer improved vision and a better quality of life for patients undergoing eye surgery. The people at Lenstec—people just like you—are proud of the advancements we've made in IOL technology and strive to continuously improve vision possibilities through research, testing and partnerships with the world's leading ophthalmologists.

Your Eye Care Specialist



The **Tetraflex**[™]

Advanced Intraocular Lens

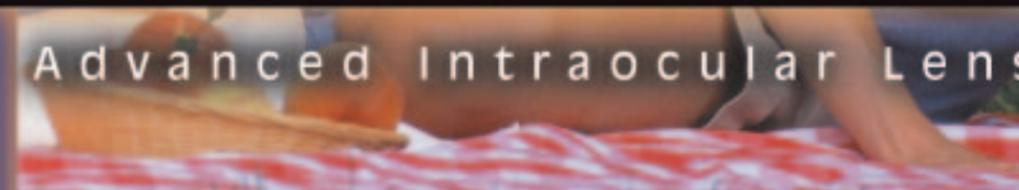
Younger Vision

Near, Far, Clear



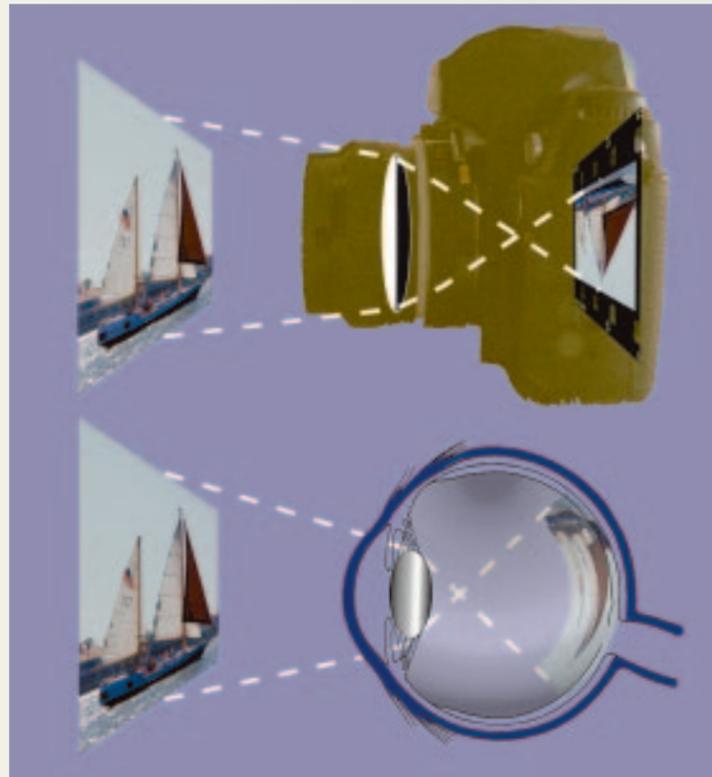
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How Your Eyes Work...

The human eye works much like a camera. Light enters through the cornea in the front of the eye, which bends these light rays so that they focus on the retina, the layer of nerve cells at the back of the eye. The retina then transmits these images to the brain. The clarity and sharpness of the image on the retina determines how well you can see.



As your eye ages you may notice increased headlight glare when driving at night.

When you are young the various parts of your eye work together in harmony, and your natural lens makes subtle changes in shape, allowing you to switch focus from far to near, effortlessly. This natural process is called "accommodation."

As we age the eye becomes less efficient and your lens is no longer able to make these delicate adjustments and you lose the ability to accommodate.

You may also notice that your vision is more dim or blurry, or colors are not as bright or crisp. In most cases these symptoms are the result of your eyes becoming less supple, less flexible and less efficient.

After Surgery... a Return to "Younger" Vision

What do I need to do following the surgery?

After surgery you will enter a short period of convalescence. Your eye will be covered with a clear plastic shield for a day, to stop you from touching or rubbing. Your eye may be slightly sore and sensitive to light and you should wear dark glasses in bright lights to keep the eye comfortable. Eye drops will be provided to aid the healing process and prevent infection. Avoid any situations which will irritate the eyes such as swimming pools and smoky environments.

You will be able to resume most activities. However, since complications are usually easier to avoid than to treat, you should NOT:

- indulge in heavy lifting or strenuous exercise for a few days
- rub or apply any pressure on the eye in the post-operative recovery period

How long after surgery before I can see without glasses?

Your vision will return gradually over a few hours and by the following day your vision is significantly better. The improvement continues over the next week or two.

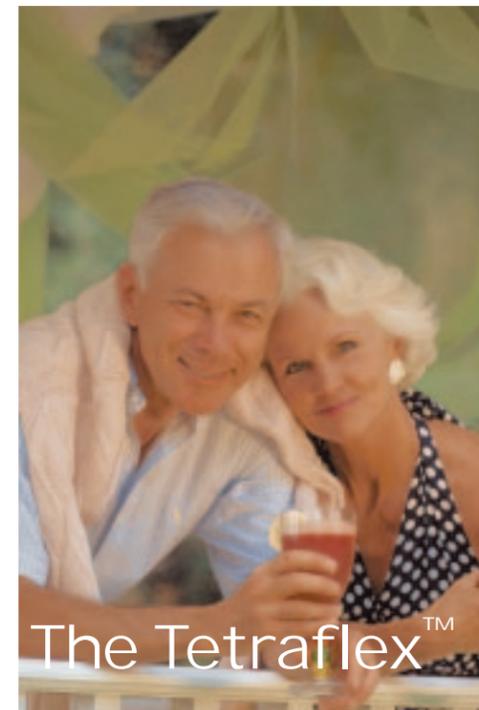
How will my vision be improved?

The purpose of the surgery is to provide you with good distance vision and useful close vision, without glasses. Your vision should also be clearer and colors should appear brighter.

After surgery will I have 20/20 vision at all distances?

You should experience significant improvement. While The Tetraflex IOL has been designed to provide accommodation for all eyes, some people will not see 20/20 at all distances.

Remember, most people do not have 20/20 vision at all distances, even with glasses or contact lenses, yet function quite comfortably. Our experience has been that most patients should not need glasses for 90-95% of their daily activities with The Tetraflex IOL. This means most people will be able to read, drive, watch TV, work on the computer, apply make-up and play golf... without wearing glasses. However, you may need a simple pair of reading glasses for reading very small print or for reading in dim light only.



Is there anything I can do to improve my vision even more after surgery?

Yes. The muscles in your eye that work during accommodation can be strengthened with exercise, just like other muscles in your body. With permission from your surgeon, you can try:

1. In good light (best in natural daylight), look at a magazine or a book, something with black writing on a white background, at a comfortable distance from your eyes.
2. Start reading words of any size that you can see clearly, and then concentrate on one particular word.
3. While reading and concentrating on that one word, very, very, very slowly bring the page closer towards you, until the word becomes blurred.
4. Return to the original distance with the book or magazine and repeat the process.
5. Continue like this until your eyes or brow start to ache, or for about 5 minutes, whichever is sooner.

What To Expect Before and During Surgery

How do I decide to have the surgery?

Only you can make the decision with the help of your eye doctor. If your impaired vision is starting to affect your quality of life, you may want to consider the surgery.

What happens during IOL surgery?

Your natural lens is removed and a clear IOL is inserted in its place. Before surgery the eye is measured to calculate the power of the IOL that will give you improved vision.

Most IOL surgery is performed under local anesthesia—a painless anesthetic is administered around the eye so you do not feel or see anything. However, the type of anesthesia used depends on your requirements and you will be able to discuss this with your doctor. Micro-incision surgery is usually performed through a small 3mm wound. Your natural lens is removed and the implant is inserted through the same wound, which will seal itself and not require stitches.

The advanced surgical technique used in IOL surgery means that post-operative recovery should be rapid and your vision should be clearer almost immediately, although it may vary a little as the eye heals.

How long will I be in the hospital?

IOL surgery is generally performed as day-surgery, so you should be home that night.

How much time will I need away from work?

We advise that you take a few days off from work; the exact number will vary from person to person. Most people can return to work after two or three days.

Will I be able to feel the lens?

The IOL becomes part of your eye and, just like your natural lens, you are not aware of its presence.

Will this vision last forever?

The correction of vision by this technique is designed to be permanent.

Are there any complications?

As with any surgical procedure the possibility of complications is always present. But please remember that most complications are minor and rare and can usually be treated with additional eyedrops or even minor surgery. These can delay your recovery. Even more rare are more serious complications such as retinal detachment or infection leading to blindness. Your doctor will examine you to determine if you are at higher risk for any complications and discuss this with you during your initial consultation.

and Change as You Age

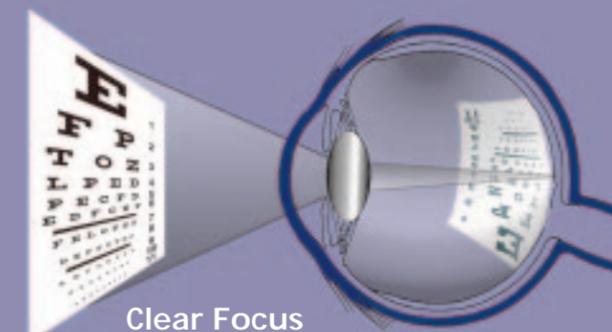
TetraFlex™

Why You Need Reading Glasses... or Develop Cataracts

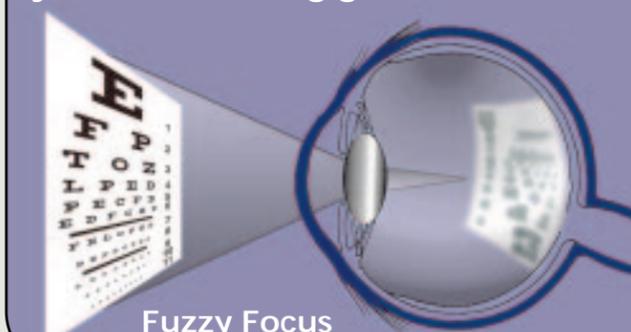
Depending on your age, the changes to your eyes usually follow a predictable course... you will develop presbyopia sometime in your 40s, and usually by the time you are in your 60s your eye care specialist will notice the formation of cataracts.

What is Presbyopia?

When you are young, the natural lens and muscles of your eye are able to adjust rapidly and smoothly, allowing you to focus on near-, mid-, and far-range objects.



As you lose some of this natural flexibility, you also lose the ability to focus on near objects: the light rays passing through your natural lens no longer fall on the retina, so the image sent to your brain is fuzzy. This is why you need reading glasses or bifocals.



What are Cataracts?

Cataracts are a progressive condition where your natural lens becomes cloudy and eventually opaque. Various conditions may cause cataracts but the most common cause is simply the aging process: the lens slowly loses its water content and so increases in density. Re-

ports have indicated that by the age of 60 almost half the population develop the early stages of cataract. Almost everyone over the age of 70 will show some degree of cataract formation.

Cataracts develop slowly in most people, and the gradual deterioration in your

vision becomes more noticeable over time. You may notice:

- cloudy, fuzzy, or filmy vision
- changes in the way you see colors
- headlights seem too bright when driving at night
- glare from lamps or the sun
- double vision



Live... with less

dependence on glasses...

For both of these conditions there is an option.. that doesn't involve yet another pair of glasses... and is permanent.

What is an IOL and How Can It Help You?

The Tetraflex™ IOL... for "Younger" Vision



An intraocular lens (IOL) is a clear plastic, man-made lens that replaces your natural lens. Your natural lens is removed from inside your eye and an IOL is put in its place, where it remains permanently. Lens surgery is a common procedure that has been performed on millions of patients worldwide.

For the Presbyopia Patient:

The aim of Lens Refractive Surgery is to reduce your refractive error so that you enjoy clearer vision without glasses or contact lenses. The power of the IOL will be calculated to correct the focusing error, and the advanced surgical techniques used today mean that your post-operative recovery should be rapid and your vision is usually clearer almost immediately.



The Tetraflex™ IOL

Why choose Lens Refractive Surgery?

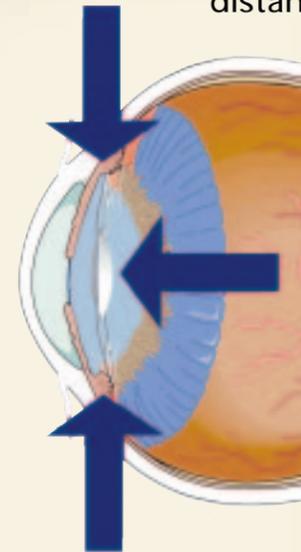
- An IOL offers significant advantages over other types of refractive surgery:
- Removal of your natural lens means you will not develop cataracts as you get older—with other refractive options you can still develop cataracts
 - Magnification is at the natural level
 - Full peripheral (side to side) vision
 - Astigmatism can be addressed
 - There is minimal risk of glare and halos
 - Permanent solution to focusing problem

For the Cataract Patient:

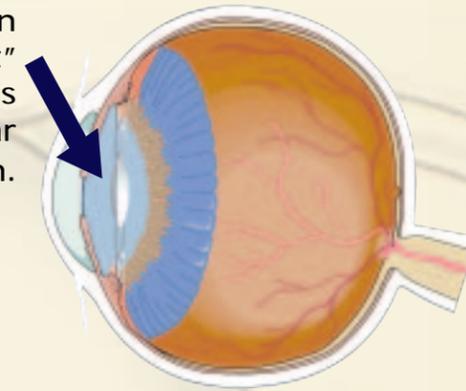
IOL surgery is accepted worldwide as THE treatment for cataracts... the only method to restore your vision and your quality of life. Cataract surgery is a permanent solution: your cataract cannot return because your natural lens has been replaced with an IOL.



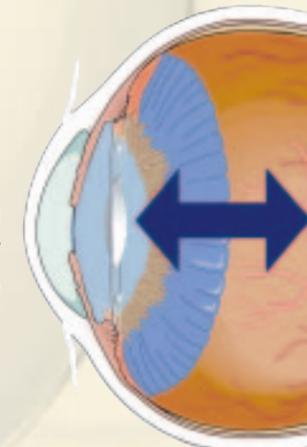
1. The Tetraflex is placed in your eye in the "flat" position, which is designed to give you clear distance vision.



2. When you focus on a near object, The Tetraflex is designed to use the natural forces in your eye (muscles & vitreous pressure) to move subtly forward, like your natural lens once did, giving you clear near vision.



3. The Tetraflex is designed to move subtly back and forth, as you focus on distant, mid or near objects, allowing you to once again "accommodate."



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With traditional IOLs, your natural lens is replaced with a lens designed to give you clear distance vision. But you'll still need glasses—to read the menu, balance your checkbook, see the computer screen or the car's dashboard.

The Tetraflex IOL is a new

style of lens, designed to mimic your natural lens by moving subtly forward and back as you focus, and restoring your ability to "accommodate." You will not feel the lens move... you'll just have useful near, mid, and far vision again without glasses or contact lenses.

The Tetraflex is designed to be a permanent solution to your vision problems by restoring the full range of your vision and enhancing the quality of your life.

with Presbyopia



with The Tetraflex IOL

