

# Contact Lens

## Fast Facts

A contact lens is a thin lens fitted over the cornea of the eye to correct refractive errors.<sup>1</sup> Approximately 125 million people worldwide wear contact lenses to correct common vision problems,<sup>2</sup> including:


<b>MYOPIA</b>	Nearsightedness where distant objects appear blurry <sup>1</sup>	<b>HYPEROPIA</b>	Farsightedness where near and occasionally distant objects appear blurry <sup>1</sup>
<b>PRESBYOPIA</b>	Age-related, decreased ability to see nearby objects, especially in low light <sup>1</sup>	<b>ASTIGMATISM</b>	Blurred or distorted vision at all distances <sup>1</sup>

## Design

Refractive errors occur when the shape of the eye prevents light from focusing directly on the retina.<sup>1</sup> Advances in design allow contacts to compensate for the shape of the eye and bend light rays to focus on the retina and sharpen vision:


<b>Spherical Lenses</b> Rounded in design and either concave or convex. Concave lenses address myopia and convex lenses address hyperopia <sup>3</sup>	<b>Toric Lenses</b> Help correct astigmatism <sup>3</sup>	<b>Multifocal Lenses</b> Contain two or more lens powers to correct both near and far vision, and are usually prescribed for presbyopia <sup>4</sup>
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## Types of Lenses

 Contact lenses are available for two different wearing schedules:<sup>5</sup>

- **Daily Disposable Lenses** - New lens worn for one day and then disposed before going to sleep
- **Reusable Lenses** - Lenses worn for a defined period of time, either weekly, two weeks or for 30-days; taken out each night and cleaned before reusing

## Care

 Contact lens care varies by prescribed length of wear:<sup>6</sup>

- **No Care Solution: Daily Disposable Contact Lenses**  
A brand new lens is inserted in the eye every morning and thrown away every night, so no care solutions are needed
- **Care Solution: 2-Week, Monthly and Extended Wear Contact Lenses**  
Basic care and upkeep. Simply store and clean in lens solution overnight to maintain safety and cleanliness

## Benefits

For a broad range of vision correction needs, contacts offer more flexibility and freedom compared to glasses:<sup>7</sup>

• A complete and natural field of vision	• Less distraction in sports and activities	• Fewer obstructions from weather or changing temperatures
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<sup>1</sup>Common vision problems. National Eye Institute. <https://nei.nih.gov/healthyeeyes/problems> <sup>2</sup>Morgan, P et al (2013). International Contact Lens Prescribing in 2012. Contact Lens Spectrum. [www.clspectrum.com/articleviewer.aspx?articleID=107854](http://www.clspectrum.com/articleviewer.aspx?articleID=107854)  
<sup>3</sup>Contact Lens Basics. All About Vision. [www.allaboutvision.com/contacts/contact\\_lenses.htm](http://www.allaboutvision.com/contacts/contact_lenses.htm) <sup>4</sup>Multifocal Contact Lenses. All About Vision. [www.allaboutvision.com/over40/multifocalcls.htm](http://www.allaboutvision.com/over40/multifocalcls.htm) <sup>5</sup>Types of Contact Lenses. U.S. Food & Drug Administration. [www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/HomeHealthandConsumer/ConsumerProducts/ContactLenses/ucm062319.htm](http://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/HomeHealthandConsumer/ConsumerProducts/ContactLenses/ucm062319.htm) <sup>6</sup>Types of Contact Lenses. ACUVUE. [www.acuvue.com/why-contact-lenses/types-of-contacts](http://www.acuvue.com/why-contact-lenses/types-of-contacts) <sup>7</sup>Why ACUVUE®. ACUVUE. [www.acuvue.com/why-contact-lenses/why-acuvue](http://www.acuvue.com/why-contact-lenses/why-acuvue)