

# FULL DIAMETER TELESCOPES

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## GENERAL

Full Diameter Telescopes (Galilean Telescopes) are designed for distance tasks that are to be performed while the patient is stationary. Mobility is not practical, since walking with Full Diameter Telescopes would be analogous to walking while looking through a pair of binoculars. These telescopes are especially suited for such distance tasks as watching T.V., going to the theatre, sporting events, or viewing distant stock market quotations – anything that can be done while the patient is stationary.

Constructed of glass lenses mounted in a plastic housing, the telescope itself is mounted in a plastic carrier lens, making the whole system light-weight and easily worn. The Full Diameter Telescope is available in either the standard design, or in a wide angle design. The standard design is available in powers of 1.4X, 1.7X, 2.2X, 3.0X and 4.0X. The wide angle design is available in powers of 2.2X and 3.0X.

While the Full Diameter Telescope is generally used for distance tasks, it may be converted into an aid with increased versatility by applying a reading cap over the front end of the telescope. The reading cap will focus the telescope for any desired working distance (intermediate or near), based on the power (focal length) of the cap. Since the cap is easily attached to and removed from the telescope, the patient can do this himself, thus achieving greater flexibility in the use of this system. Since patients will often want to perform visual tasks at different working distances, more than one reading cap will often have to be prescribed to satisfy all of the patient's needs.

The patient's distance prescription may be incorporated into the telescopic system itself. It is usually desirable to do this to achieve the best performance possible with the system. The carrier lens usually does not contain the patient's prescription.

The telescopic units can be supplied with either a black, brown or silver housing. For patients with a glare or light sensitivity problem, a tint can be incorporated into both the telescope and/or the carrier lens, as well as the reading cap. [Drilled Sunfilters](#) are also available.

## FITTING

Full Diameter Telescopes are mounted in the vertical center of the carrier lens, and decentered to the patient's interpupillary distance (P.D.). Any position within the physical limits of the carrier lens, however, can be specially requested. When mounted, the telescopes are aligned in the "straight-ahead" position. Telescopes can be ordered in either black, brown or silver housings – this must be specified on the order blank.

Although any frame can be used when fitting the patient with a monocular Full Diameter Telescope, it must be of sturdy construction, have spring hinges and adjustable nose pads so the telescope can be accurately aligned in front of the patient's eye. The [Yeoman 6](#) frame is especially suited to meet these needs. This frame has adjustable pads, an all-aluminum front, and spring temples for a snug fit against the head. Please see our [Telescope Frame Selection Guide](#) for frame options.

## POWERS AVAILABLE

Standard: 1.4X, 1.7X, 2.2X, 3.0X, 4.0X

Wide Angle: 2.2X, 3.0X



DESIGNS FOR VISION, INC.  
1-800-345-4009

# FULL DIAMETER TELESCOPES



1.4X  
Full Diameter Telescope



1.7X  
Full Diameter Telescope



2.2X  
Full Diameter Telescope



3.0X  
Full Diameter Telescope



4.0X  
Full Diameter Telescope



# FULL DIAMETER TELESCOPES



2.2X Wide Angle  
Full Diameter Telescope



3.0X Wide Angle  
Full Diameter Telescope

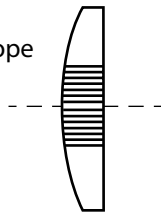


Reading Cap and 2.2X  
Full Diameter Telescope



Reading Cap on 2.2X  
Full Diameter Telescope

The Full Diameter Telescope  
is mounted centered,  
and aligned in the  
straight ahead position



Binocular 2.2X Full Diameter Telescopes  
with black housings, mounted in the  
Yeoman 6 frame.



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