Oasis Focuser

Clutch Electronic Focuser

Telescope Measurement Guide

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https://www.astroasis.com/en
We dedicated to providing high quality products and services for amateurs of astronomical observation and photograph

This document describes how to measure the telescope focuser so that Oasis Focuser can be installed on these telescopes by using the appropriate parts based on the measured data.

Please contact us via **support@astroasis.com**

First, check the basic shape of the telescope focuser. The shape of the focuser can be divided into two types:

1) It is round or D-shaped, as shown in Figure 1. For this type of focusers we will have the possibility to install Oasis Focuser directly via a clamp.

Figure 1

2) Other shapes, such as square or irregular shapes, as shown in Figure 2. For this type of focusers we can install Oasis Focuser by a universal adapter or other adapters. Please refer to the following address for more information about the universal adapter:
https://www.astroasis.com/en/focuser/62.html

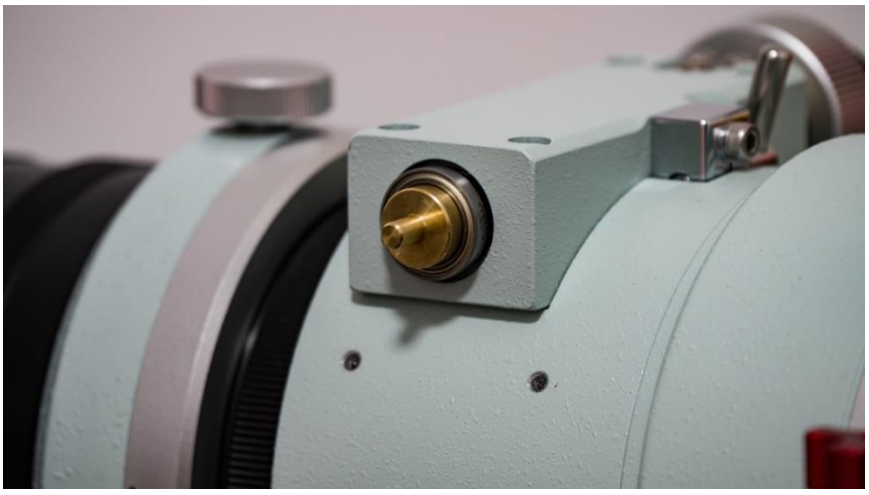

Figure 2

Please take one or more photos of your telescope focuser and send it to us so that we can identify the basic shape of your focuser.

In following sections this document describes how to measure each of these two focusers.

1、Measurement for round or D-shaped focusers

1) Measure the diameter of the housing as shown in Figure 3 and take a photo for us to determine which clamp can to be used

2) Measure the diameter of the focusing shaft as shown in Figure 4 and take a photo for us to determine which gear can be used

3) Measure the distance of the housing extending from the shell of the focuser tube as shown in Figure 5 and Figure 6, and take a photo for us to determine whether there is enough space to install the clamp

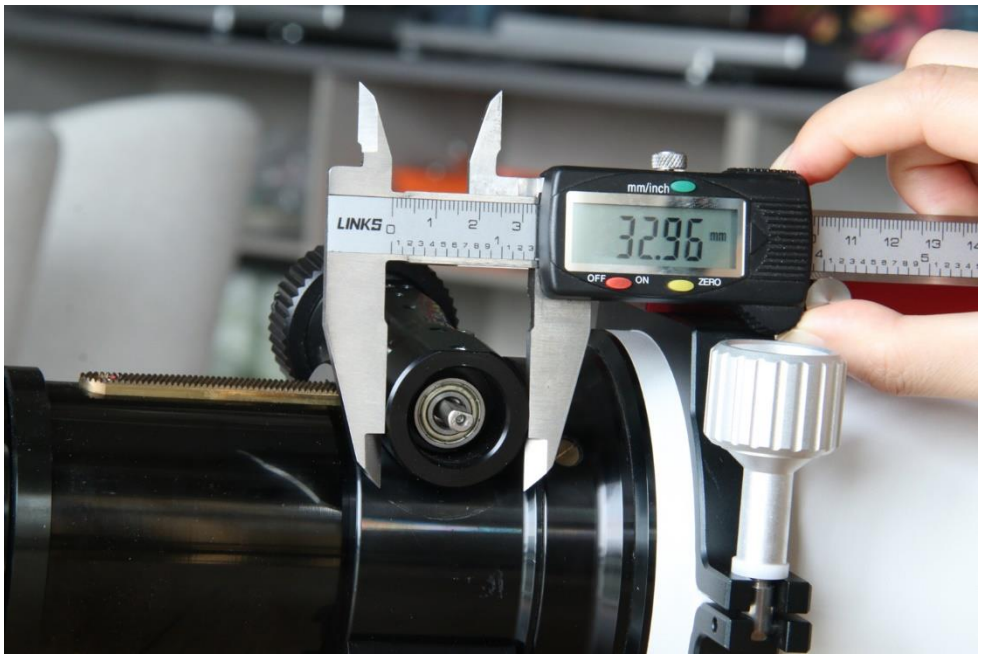

Figure 3

Figure 4

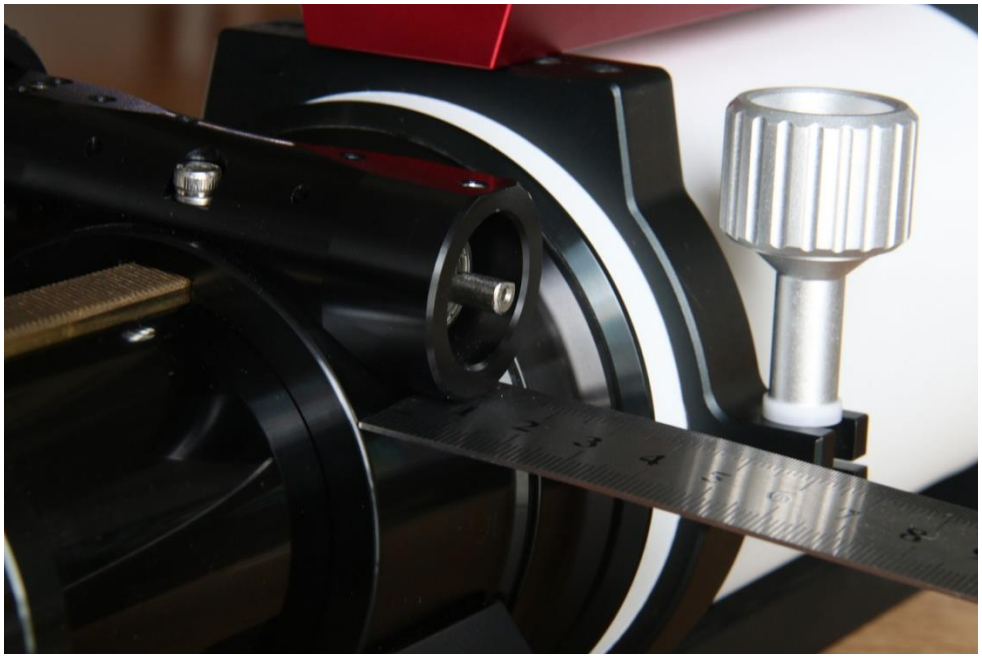

Figure 5

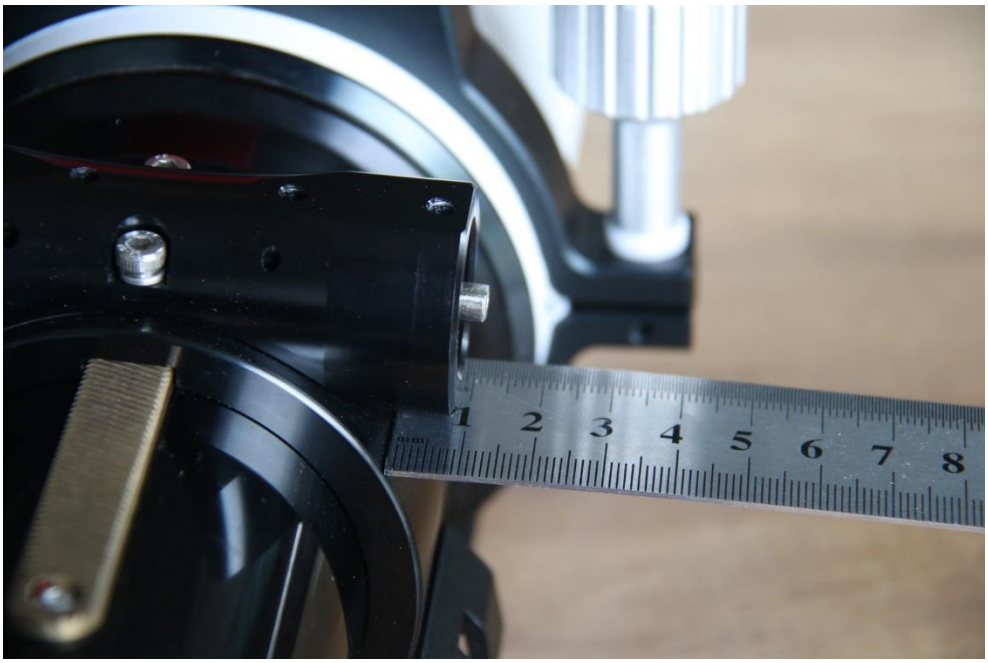

Figure 6

Please send us the photos you take. Do not include personal information in the photo.

2、Measurement for square or irregular-shaped focusers

1） Measure the diameter of the focusing shaft as shown in Figure 4 and take a photo for us to determine which gear can be used

2） As shown in Figure 7, to determine which type of fixing-bracket can be used, please do the followings:

2.1) Determine which threaded holes on your focuser can be used to mount the fixing-bracket

2.2) Measure the specifications of these threaded holes

2.3) Measure the distance between the threaded holes from each other

2.4) Measure the distance from the threaded holes to the edge of the focuser housing.

It would be better if the depth of the threaded holes could be measured. Please take photos when measuring.

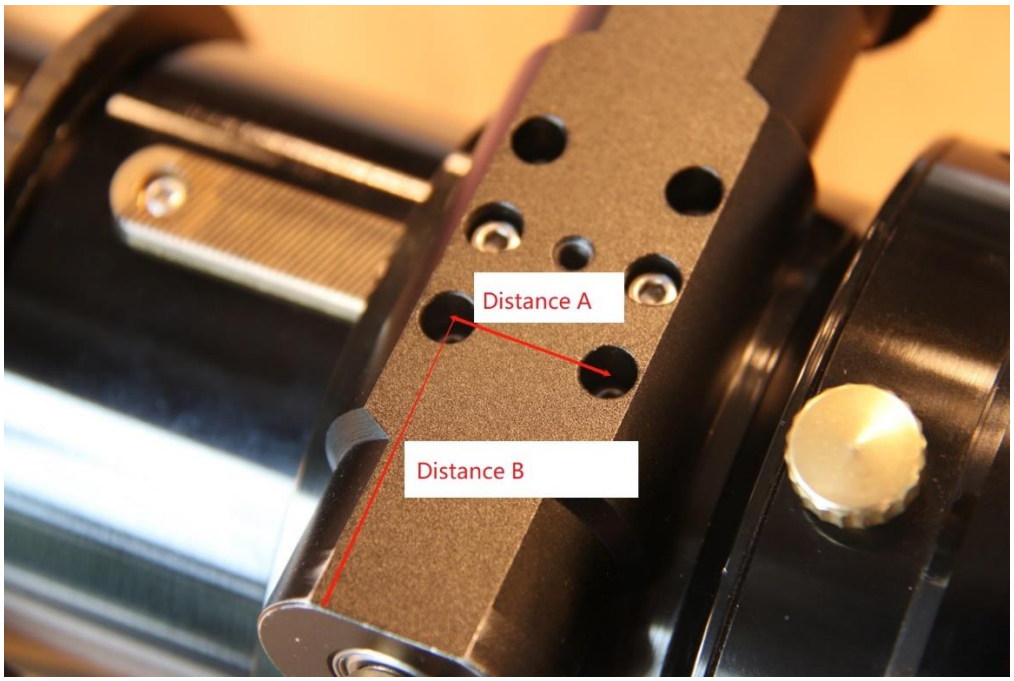

Figure 7

Distance A: The distance between the threaded holes

Distance B: The distance from the threaded holes to the edge of the focuser housing

Please send us the photos you take. Do not include personal information in the photo.

Note 1: The specification of the threaded hole is the same as the specification of their corresponding screws, usually M3, M4, M5, etc. The specification can be obtained by measuring the diameter of the corresponding screws. As shown in Figure 8, it is a measurement of M4 screw.

Figure 8 Measurement of a M4 screw

Note 2: The center distance of the threaded holes can be measured as follows:

1) Measure the closest distance between two threaded holes as shown in Figure 9

2) Measure the maximum distance between two threaded holes, as shown in Figure 10

3) Divide the sum of the two distance by 2 we will get the center distance of the two threaded holes

In this example, the center distance between the two threaded holes is (12.05 + 23.97) / 2 = 18.01, i.e., 18mm.

Figure 9

Figure 10