

Mathis Instruments  
MI-500F Fork Mount  
Scale = 5:1 Rev C  
Oct 2, 2013

The optical tube assembly attaches to declination plates of the fork arms.

A counter weight balances the declination gear assembly on the opposite fork arm.

The fork arms attach to the fork hub with four stainless steel bolts on two surfaces. The center lines of the arms are aligned within 1 arc min.

The central fork hub is available in various sizes. By varying the dimensions of this hub, the separation of the fork arms can be adjusted from 14.0 and 21.0 inches.

The MI-500F polar base and fork weighs approximately 220 pounds. The fork detaches from the polar base for purposes of shipping.

The declination casing houses a 10.1 inch worm gear, worm assembly, and DC servo motor

The 10.5 inch diameter base plate bolts to the top of the observatory pier or column.

