

Video Extensometer Stand Assembly Instructions

Component Parts

Camera Bracket



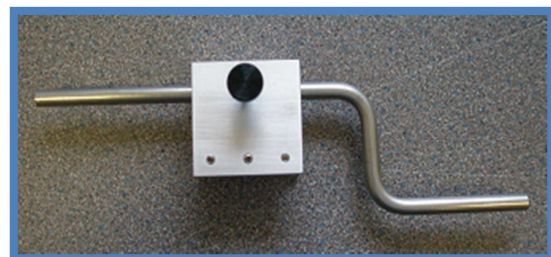
Camera Sliding Fixture



Light Sliding Fixture



Line Light Bracket



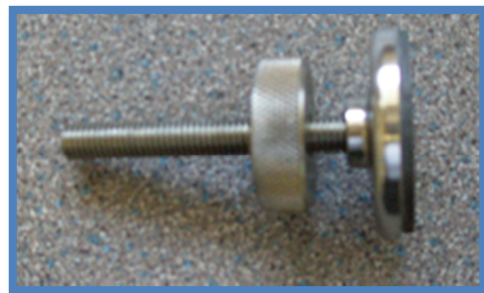
Eye End Locking Ring



Camera Thumb Screw



Adjustable Foot



Locking Cylinder and Guide Rail Screws



Locking Cylinder



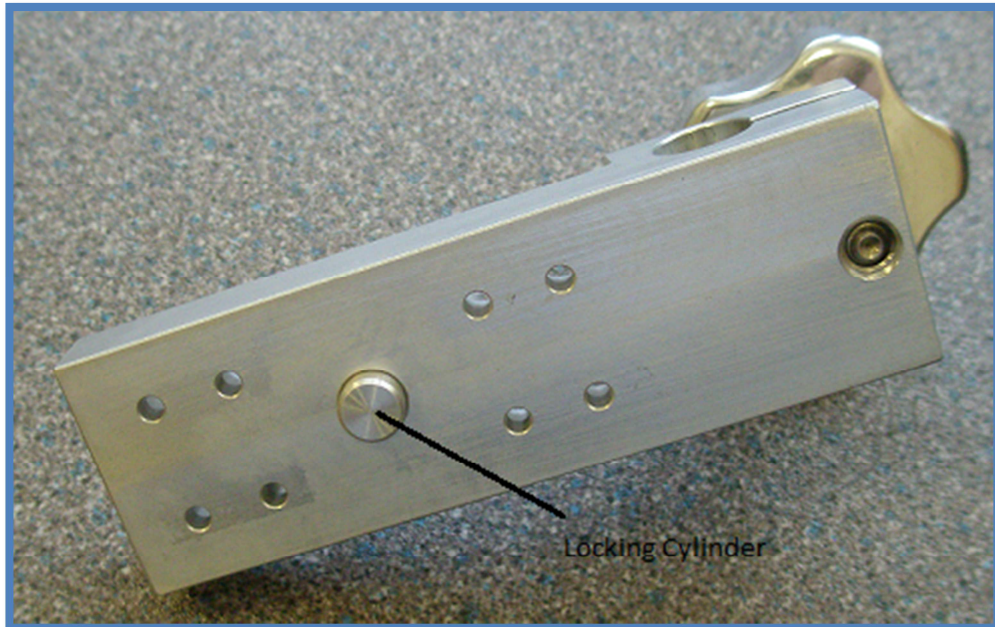
Linear Rail with Anchor Pin Adaptor



Stand Support Pole



Find the Camera and Light sliding fixtures also the Locking Cylinders (2). Fit the Locking cylinder in the recess where the screw is fitted; unscrew the screw until the cylinder is flush with the body of the bracket. Do this for both the Camera and Light Sliding Fixtures. This cylinder is used so when the bracket is tightened to the linear rail the screw face does not damage the rail



Lay the linear rail on its side as shown and affix the Camera Sliding Fixture to the linear slides using 8 of the supplied M3 screws.

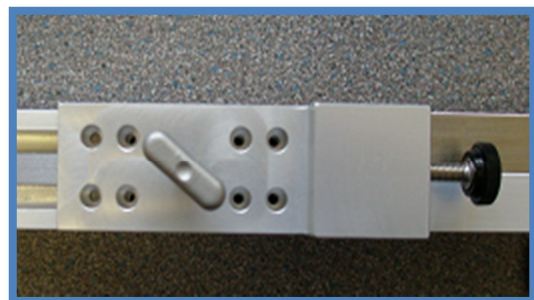
Repeat the process on the other side of the rail with the Light Sliding Fixture



Camera Side



Light Side



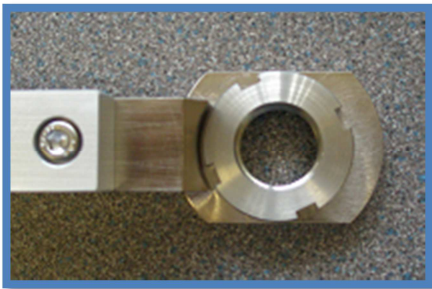
Remove the eye ends from the machine base anchor pin and fit the linear rail eye end (shown) over the anchor pin



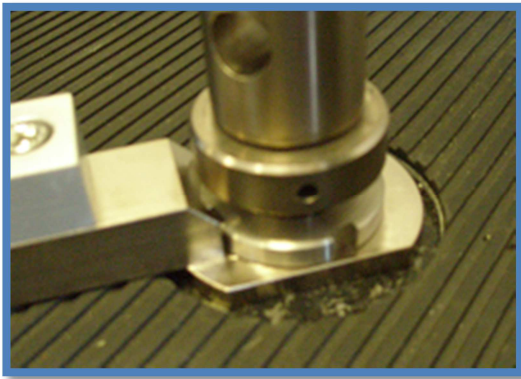
Take the supplied locking ring (shown) and screw over the anchor pin to secure the rail to the machine



Place the locking fitted in to the linear rail flat side uppermost



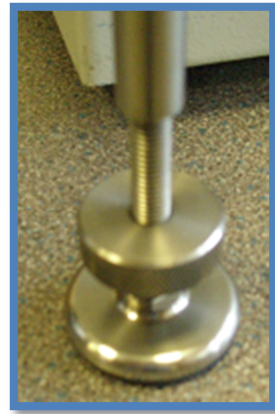
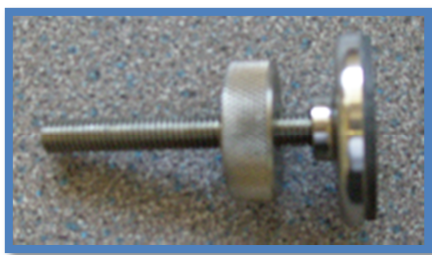
Linear rail fitted correctly the machine anchor pin, one of the machine locking rings can also be fitted to lock grips to the anchor pin (1 ¼ inch large eye end shown but also applies to 5/8 inch eye end)



Take the support pole and slide through the camera sliding fixture as shown, with the thread end of the pole at the bottom



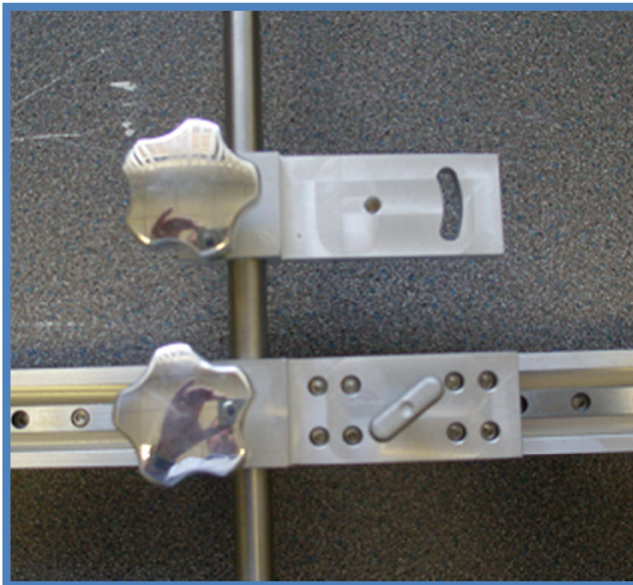
Take the support foot and screw in to the bottom of the pole, the depth can be adjusted later for level and the foot has a locking ring to secure



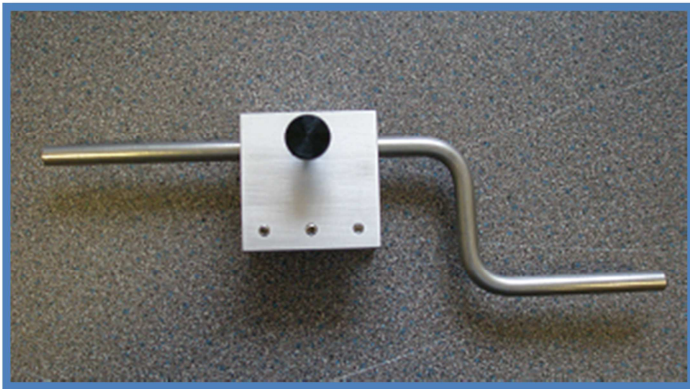
Take the camera bracket and slide over the top of the pole as shown



Both fixtures shown on support pole



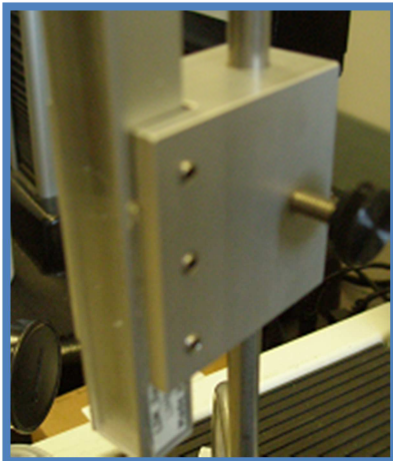
Take the line light bracket and pole as shown below



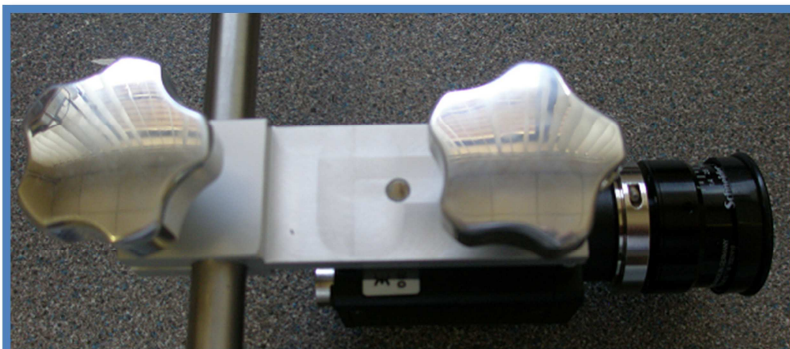
Fit to the line light bracket to the sliding light fixture as shown. The position of the light holding block and the vertical and horizontal position can both be adjusted and locked in position using the two thumb screws



Fit the line light to the support block and secure using the 3 grub screws



Fit the camera to the camera bracket and secure using Thumb Screw



The camera stand is now ready to be adjusted for the camera working distance, vertical and horizontal alignment