

Extensometer Tethering and Support

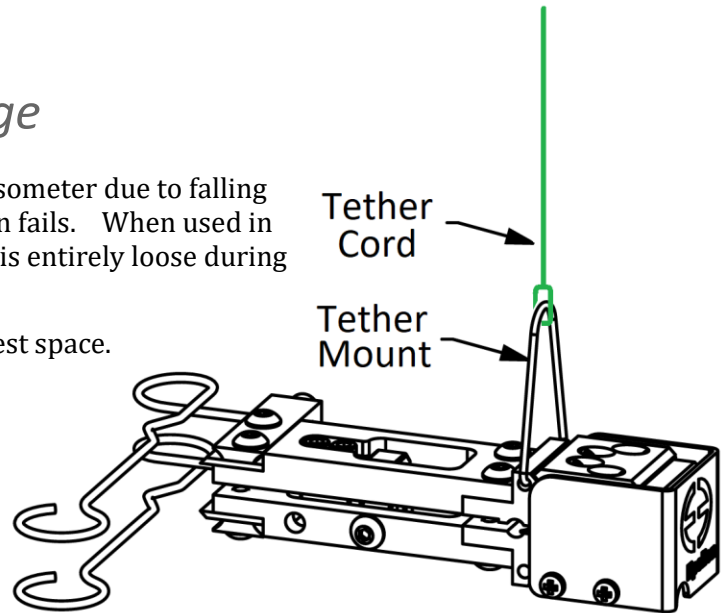
Prevent extensometer damage and improve results on sensitive specimens

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Damage prevention and storage

A tether can be used to prevent damage to the extensometer due to falling off the specimen, which may occur after the specimen fails. When used in this manner, the cord is usually adjusted such that it is entirely loose during the test.

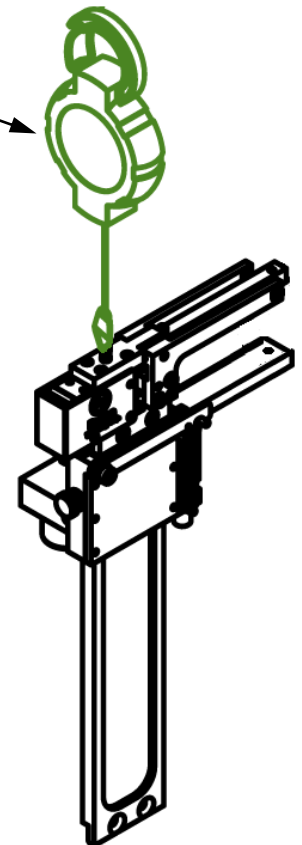
- Attach the cord to any suitable point above the test space.
- If your extensometer does not have a Tether Mount or other specified attachment point, attach the cord to the extensometer in any suitable manner, such that it does not impede the operation of the extensometer.
- Adjust the length so that the cord is *loose*, not in tension, during the test.
- A simple nylon cord or string is typically sufficient.



Extensometer support

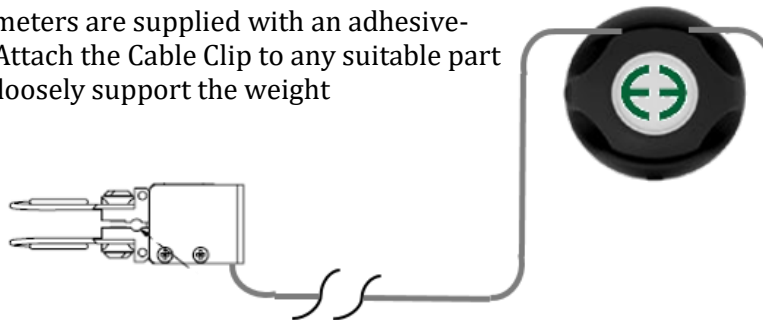
In some applications it is beneficial to support / offset the weight of the extensometer itself during a test, such as with very compliant or sensitive specimens and/or heavy extensometers. In these cases, an elastic counterbalance should be used, so that a constant force is applied during the test (available from Epsilon Technology).

Counterbalance Spring



Supporting the cable weight

All Epsilon extensometers are supplied with an adhesive-backed Cable Clip. Attach the Cable Clip to any suitable part of the test frame to loosely support the weight of the cable.



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