



# TECH REPORT

110:

## Tension Baseplate Assembly

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*Culturing Cells in a Mechanically Active Environment™*  
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*Assembly the tension baseplate in the following order:*

1. Insert Loading Posts (white) into the Loading Station (clear).



2. Insert assembled Loading Station into the baseplate.



3. Apply a liberal amount of silicone lubricant to the top and top edges of the six Loading Posts. Ensure you reapply lubricant before each experiment.





4. Fit the rubber gasket (orange) around the culture plate (white). The fit may be loose or tight, it varies among gaskets.



5. Insert the culture plate with rubber gasket into the baseplate, directly over the Loading Station. Ensure that the gasket is pressed firmly into the baseplate.



6. Set the Plexiglass sheet on top of the culture plates. Apply weight to the top of the Plexiglass sheet, 5 to 10 lbs is recommended.



Plates are now ready for tension application. Please see the Tension User Manual for further instructions on applying strain.