

Setting Delrin Transfer Table Wheel Tension

How to set the tension on the Delrin / Oozenest journal to prevent premature failure

 Difficulty **Medium**

 Duration **5 minute(s)**

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Introduction

The "Delrin" or "Oozenest" system used on the transfer table rails is a simple, compact and low friction solution for linear transport. However, it can be susceptible to premature failure if the journals are under too much tension. This tension forces the V shaped journals apart. If unchecked, and the journal fails, the aluminium rail will then be worn away.

Step 1 - Adjust top loading

The top journals are eccentric.

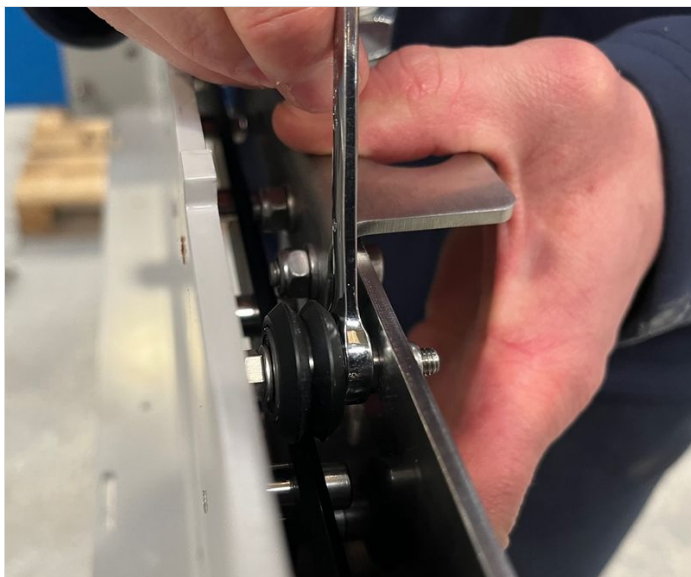
Adjustment is via an 8mm spanner on the bearing stem

The tension onto the rail should be adjusted so that:

- the Journals are touching top and bottom
- Rotation of the journal is still just possible (but tight) between the thumb and forefinger



...It is very easy to overtighten this journal and it will still appear to work



Step 2 - Ensure the rack is not "overmeshed"



...If the rack is adjusted to "heavily" it will push too hard upwards on the bottom roller

