



## Crayford reducer V2 - anti-wiggle needle mod

 chantepierre

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updated 12. 1. 2025 | published 12. 1. 2025

### Summary

Adds a through-hole for a smooth axis (like a sewing needle) reducing the wobble of the small button. Even more smooth !

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**The small button has a bit of wobble in the original version.** The wobble is reduced to almost zero if you add a common axis to all the pieces. **Operation is even smoother !**

Adds a through-hole for a smooth axis (like a sewing needle) reducing the wobble of the small button. Just add a sewing needle, point in the small button, through everything, and cut the remaining part at the end of the reducer stack.

### This remix is based on



**V2 Crayford Focuser Reducer 1:10**

by EleusisT



## Crayford reducer by EleusisT adapted for ST80 stock focuser

by chantepierre

### Model files



**insert.step**



**mainbutton.step**



**smallbutton.step**



**planetarygear.step**

**reducer\_with\_needlegcode.3mf**

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