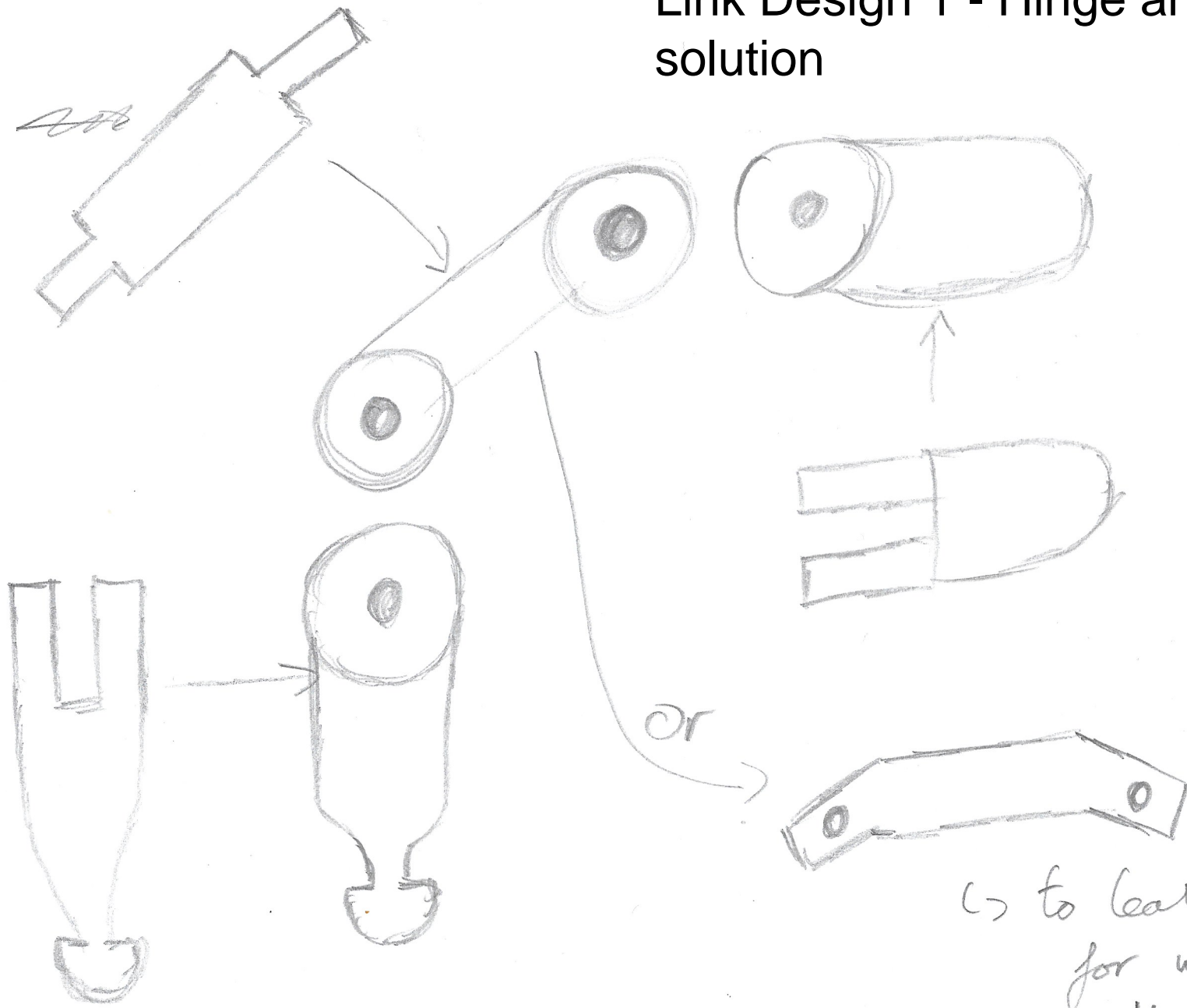


Link Design 1 - Hinge and Ball solution

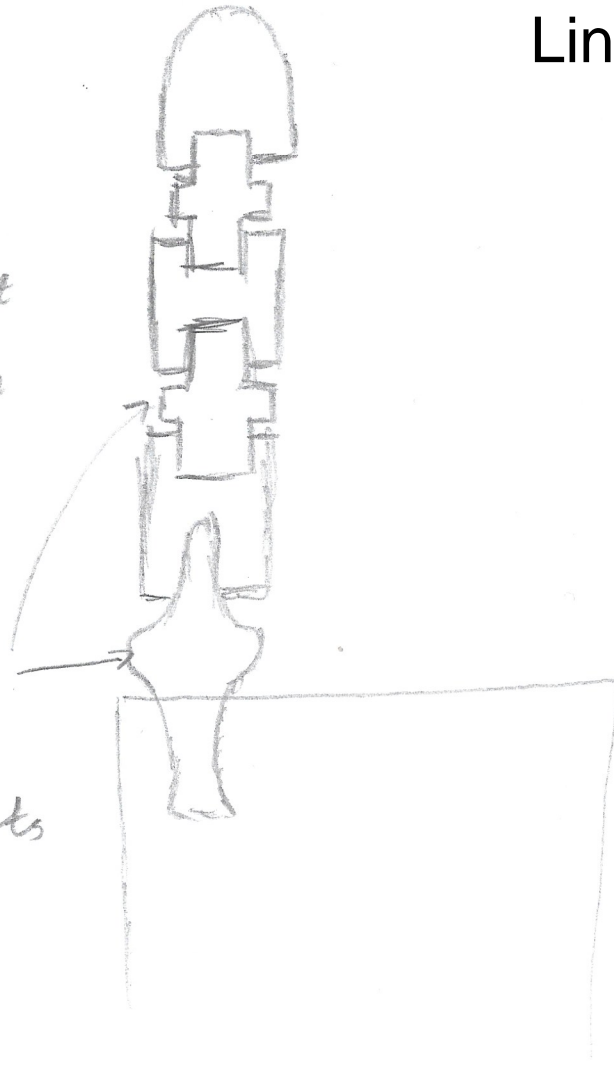


↳ to leave space for wiring/soft robotics

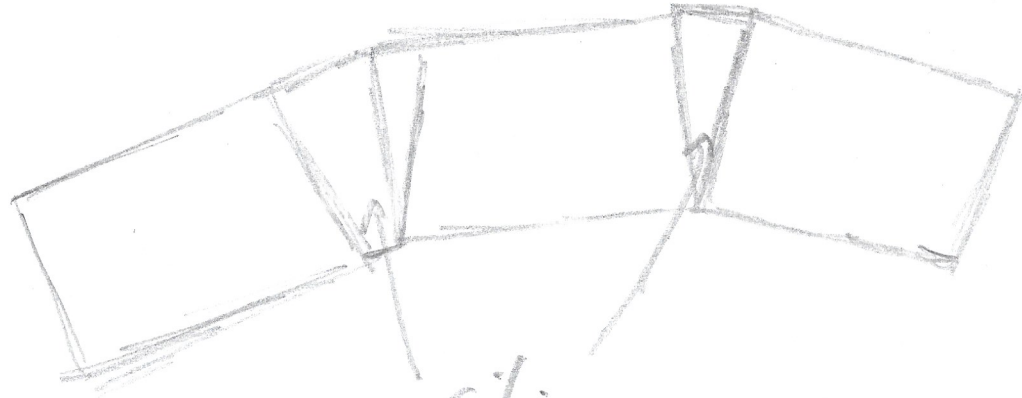
Link Design 2 - Silicone Joints

- natural elasticity
- can form in
- can use different geometry for the

silicon
joint
inserts

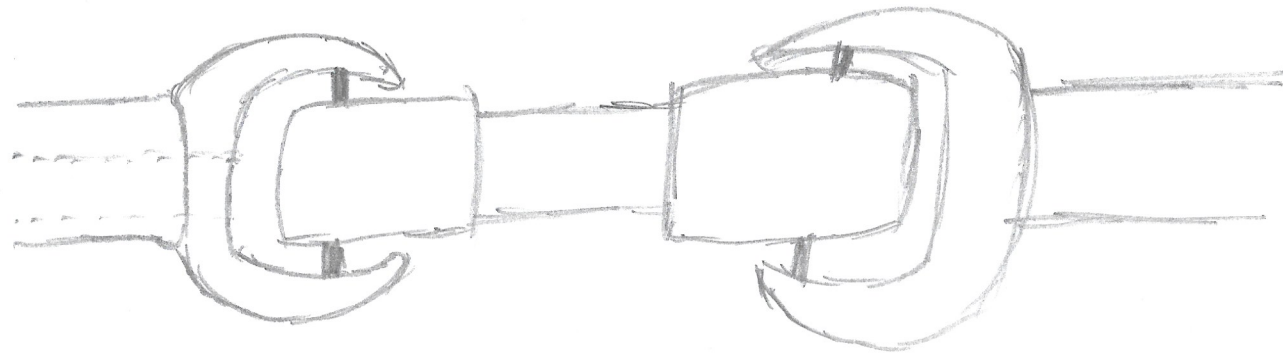


Link Design 3 - Simple Silicone Joint



Silicon
joints for
easy structure?

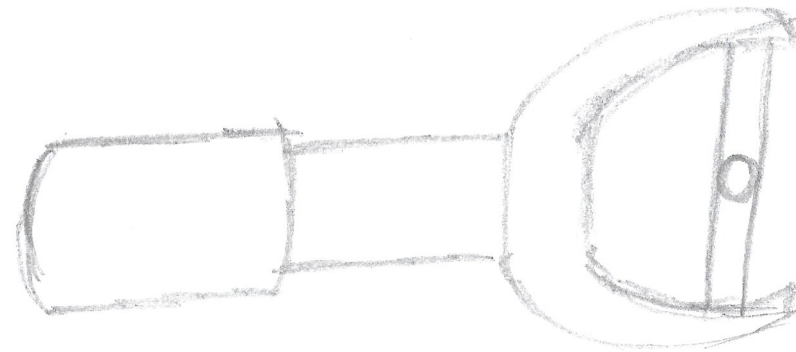
Link Design 4 - Spanner Knuckle



Cup hinges

- lots of empty space

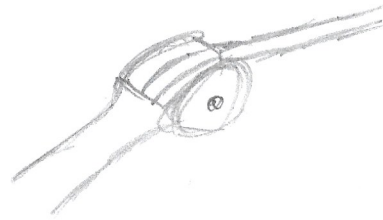
-



Link Design 5 - Basic Hinge

Basic hinge

- ↳ easy to make
- ↳ has internal bolt
- ↳ no ~~room~~ room to move



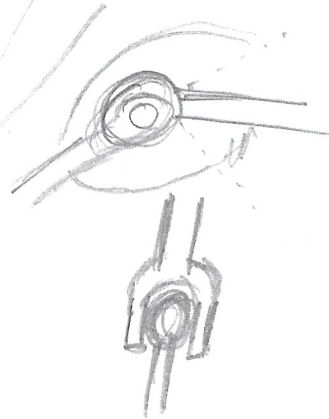
Ball and socket joint

- ↳ high range of motion
- ↳ hard to control



Restricted ball socket

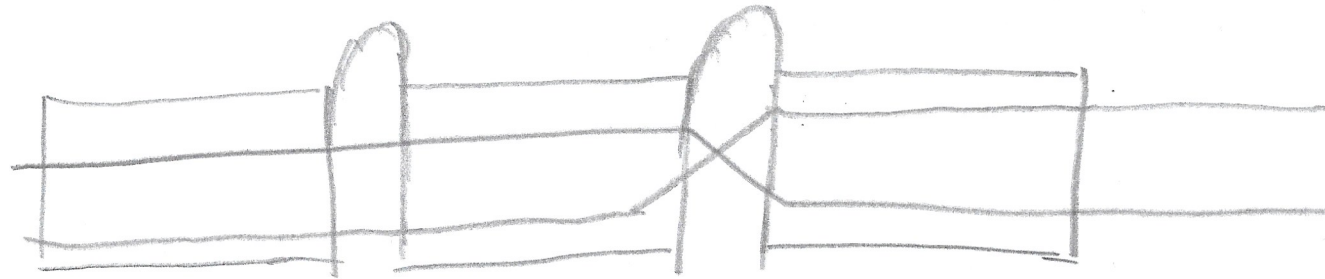
- ↳ high range of motion
- ↳ can move side to side a bit



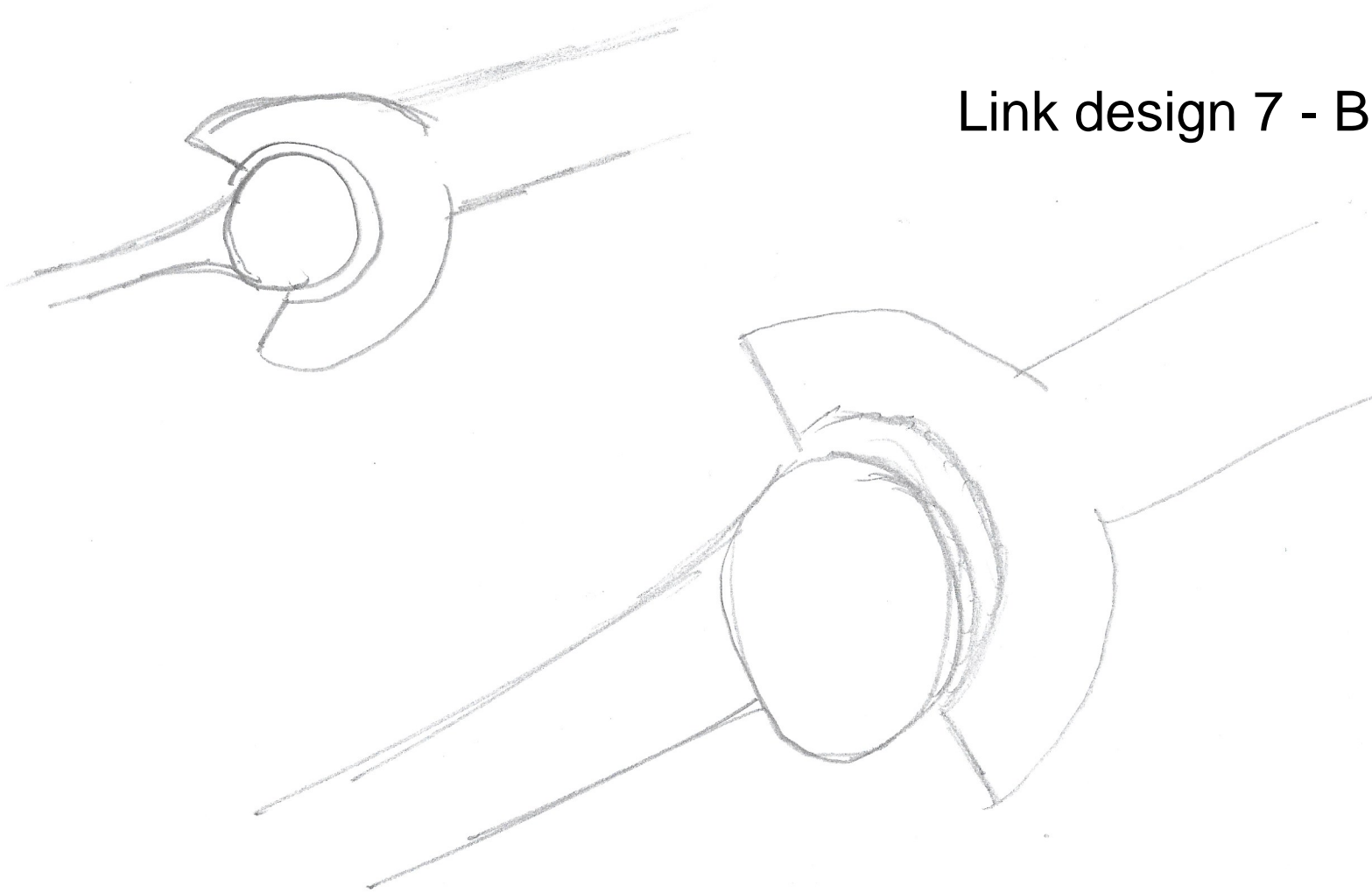
[101]



Link Design 6 - Criss cross threaded joints



Link design 7 - Ball and socket



Link Design 8 - Fully Silicone soft link

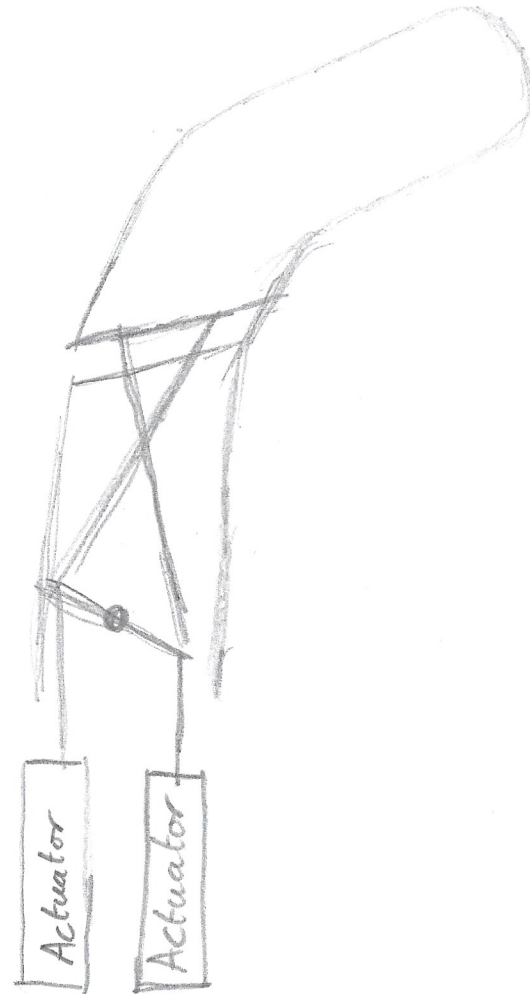
innate spring?

So one material with high ~~elasticity~~ ^{stiffness}
but regions of lower stiffness



void
or
lower elastic material

Link Design 9 - Soft and rigid hybrid design



hard mechanism
with soft actuators

- ↳ Plenty of space for wiring
- ↳ Simple mechanism
- ↳ not exactly the brief
- ↳ limited range of motion