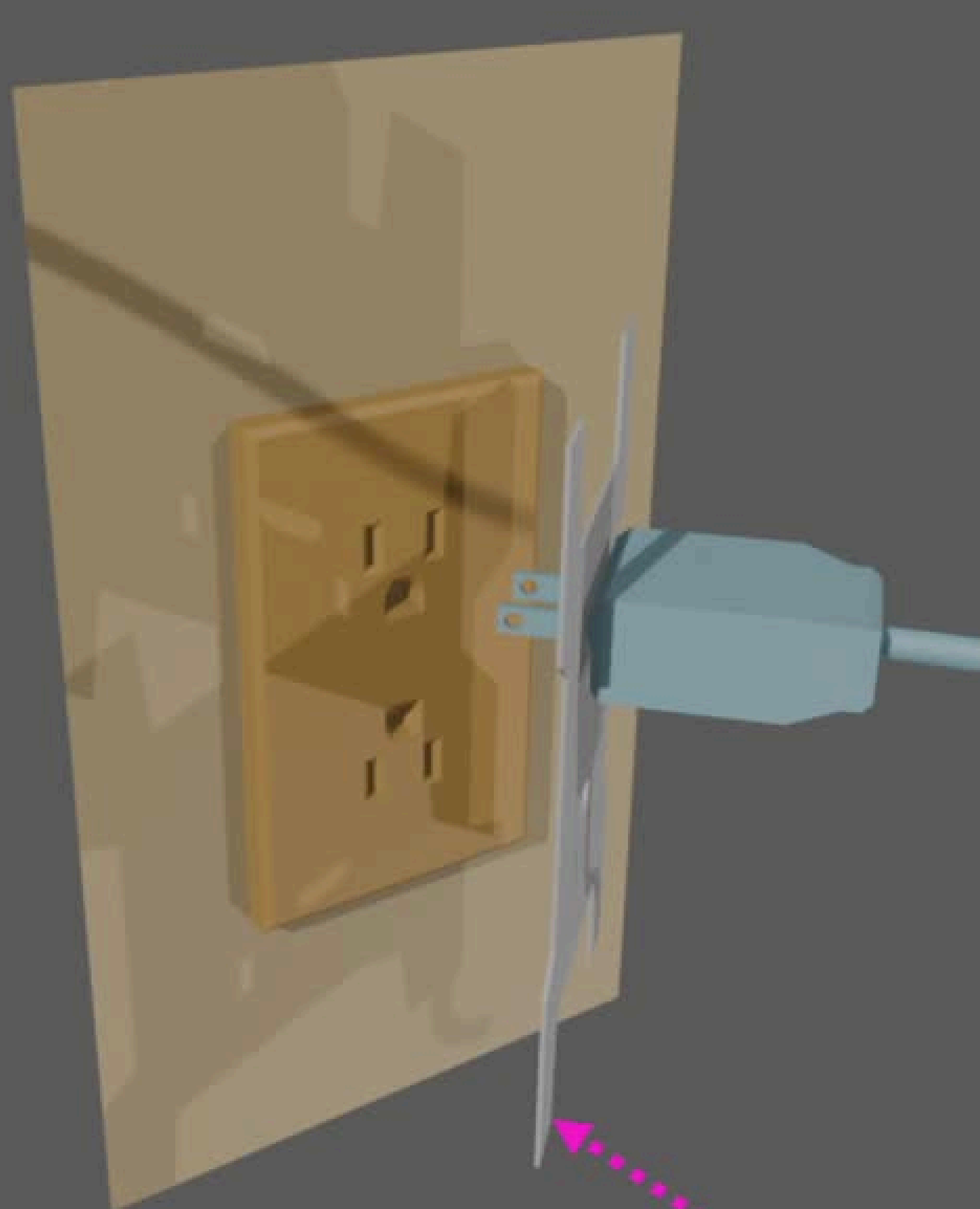
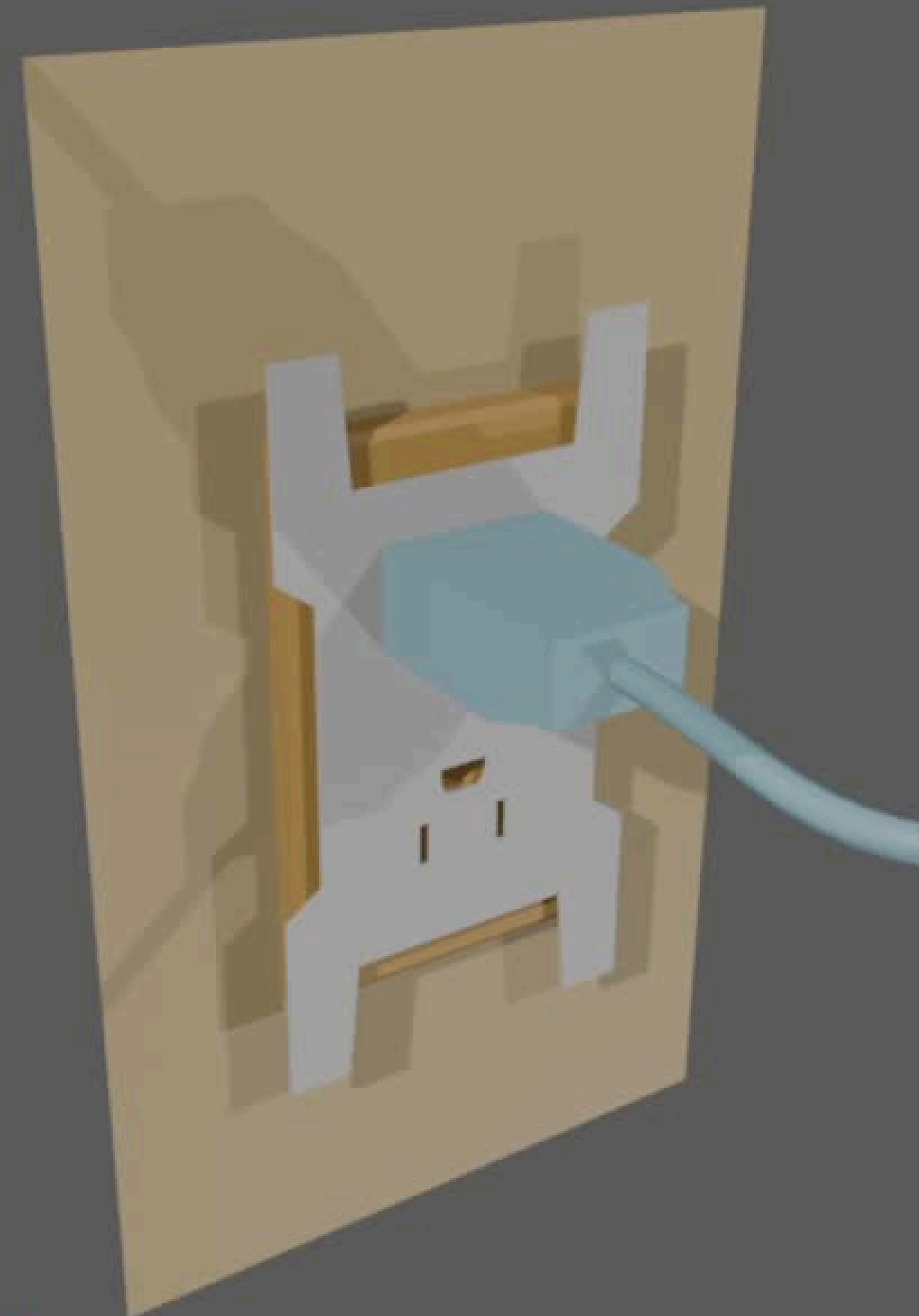


Nanotape



NanoTape

g3

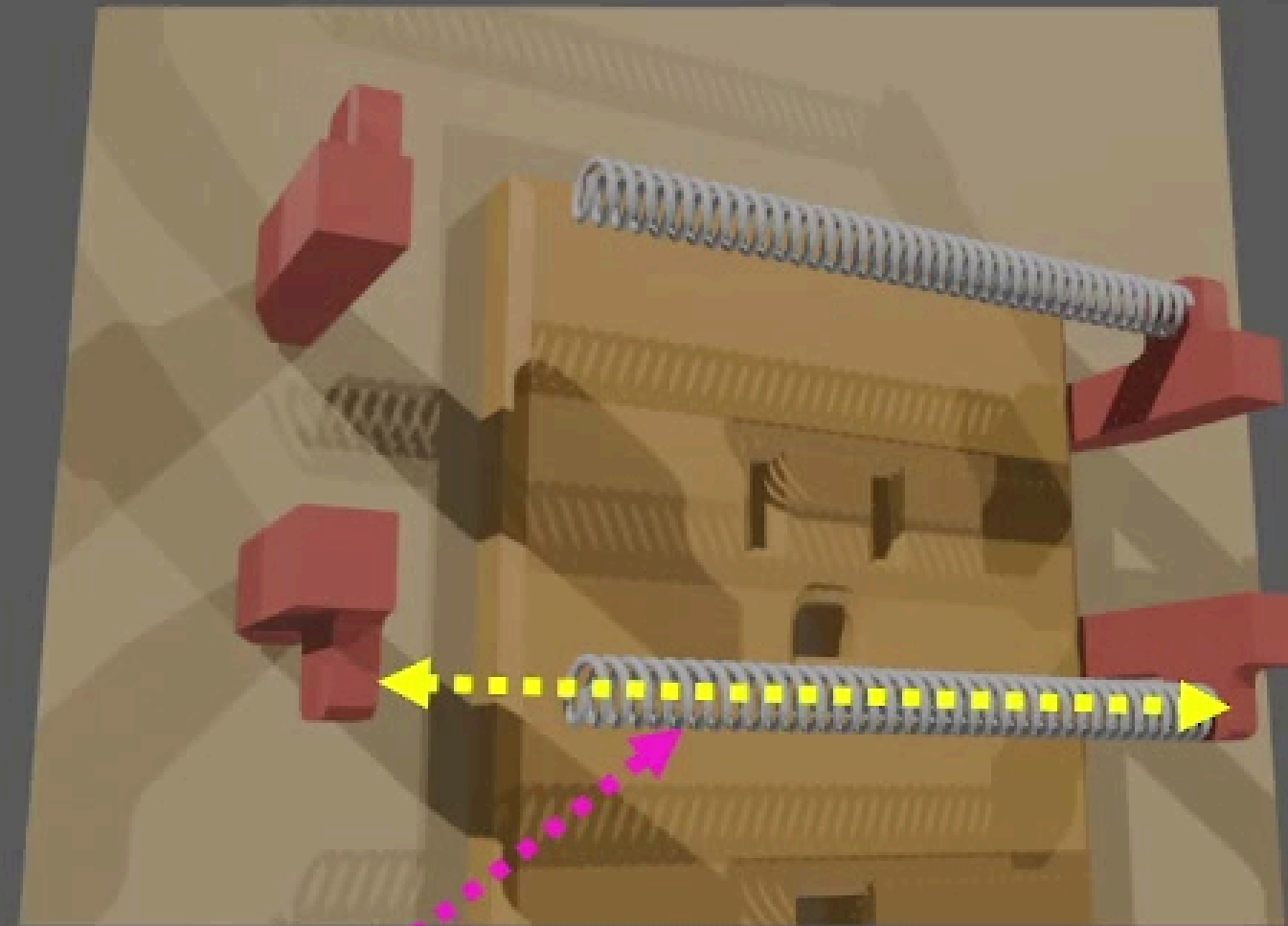
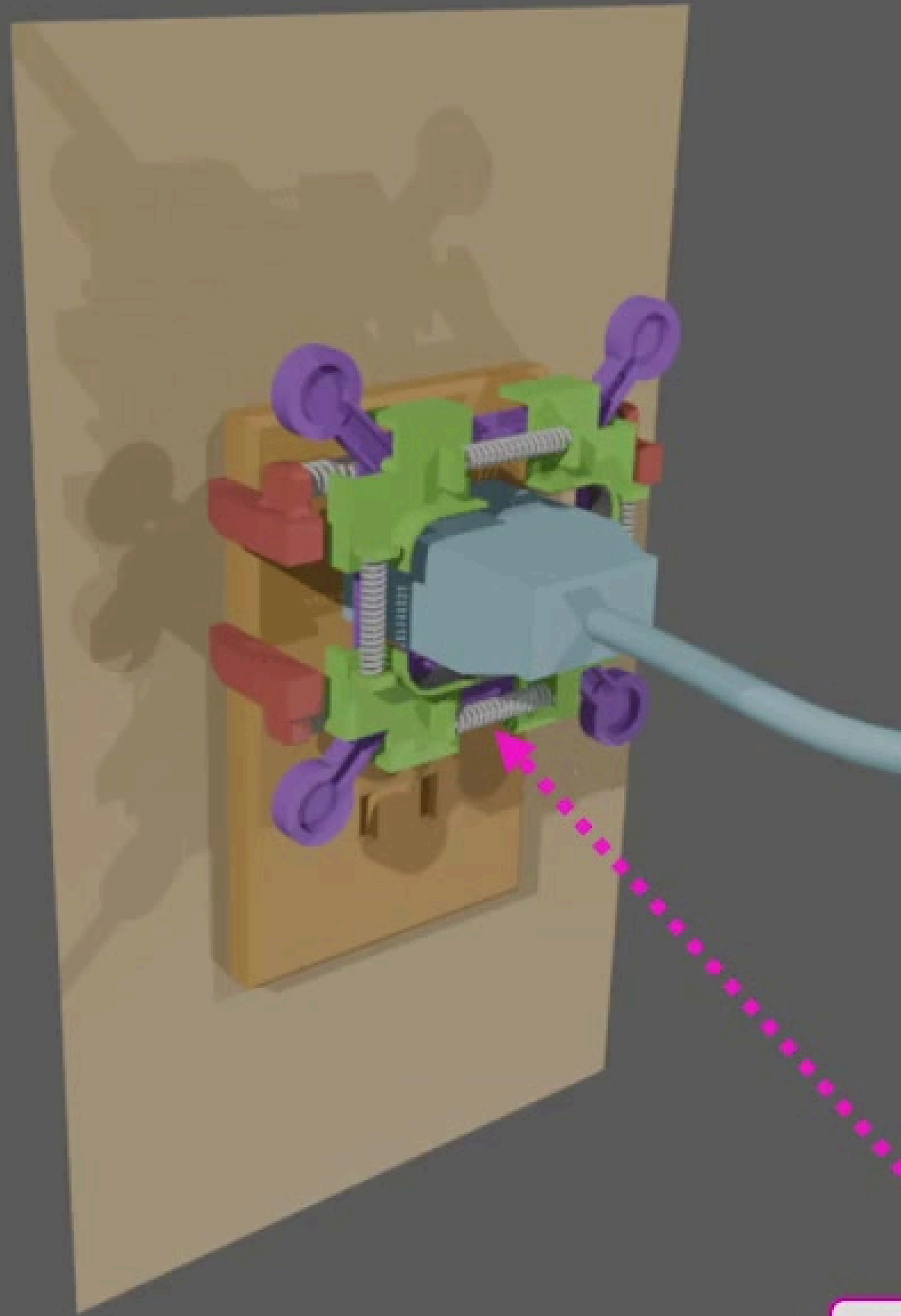


Candidate Design 1

a4

2

STEP 1



Tensioner Springs

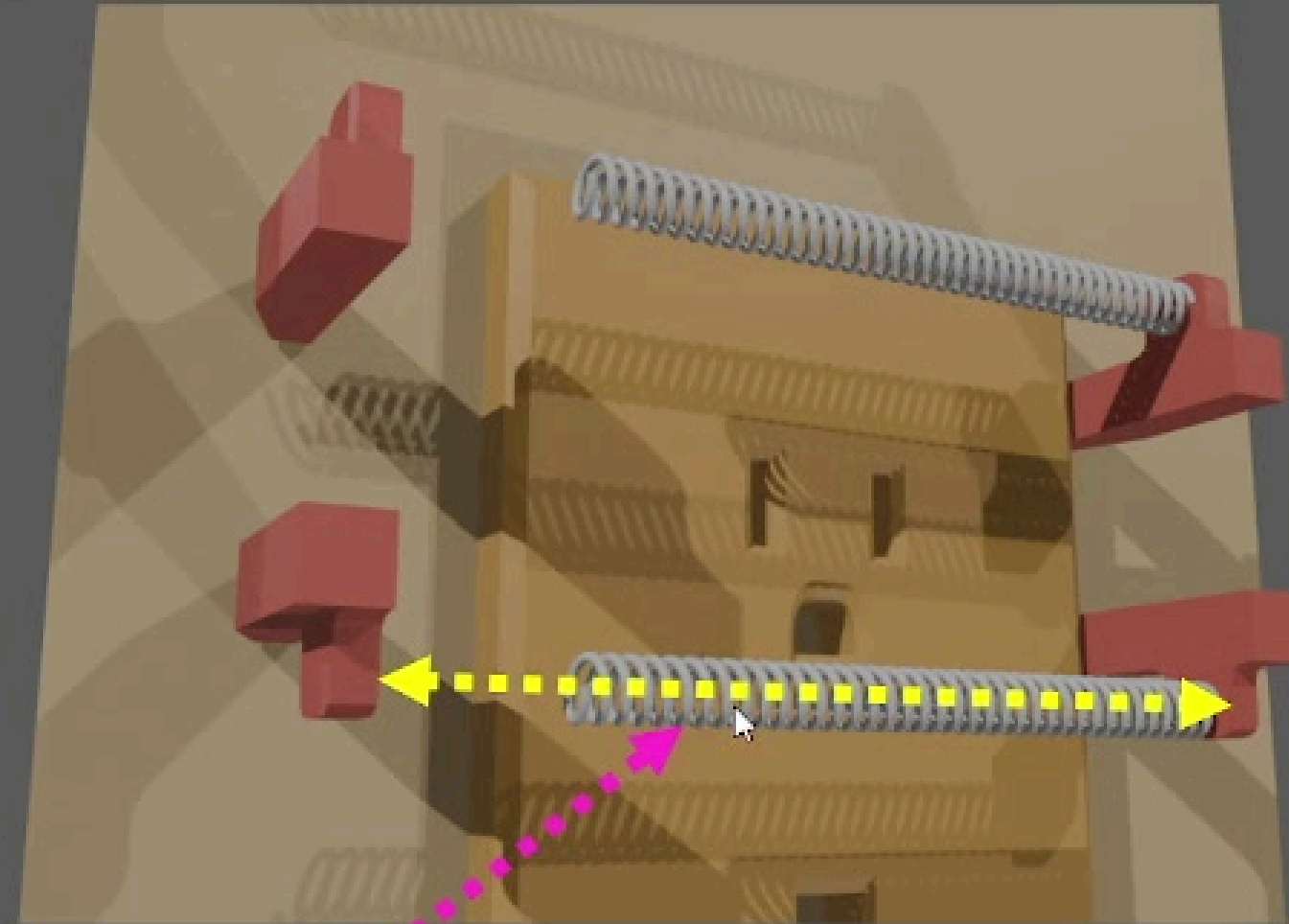
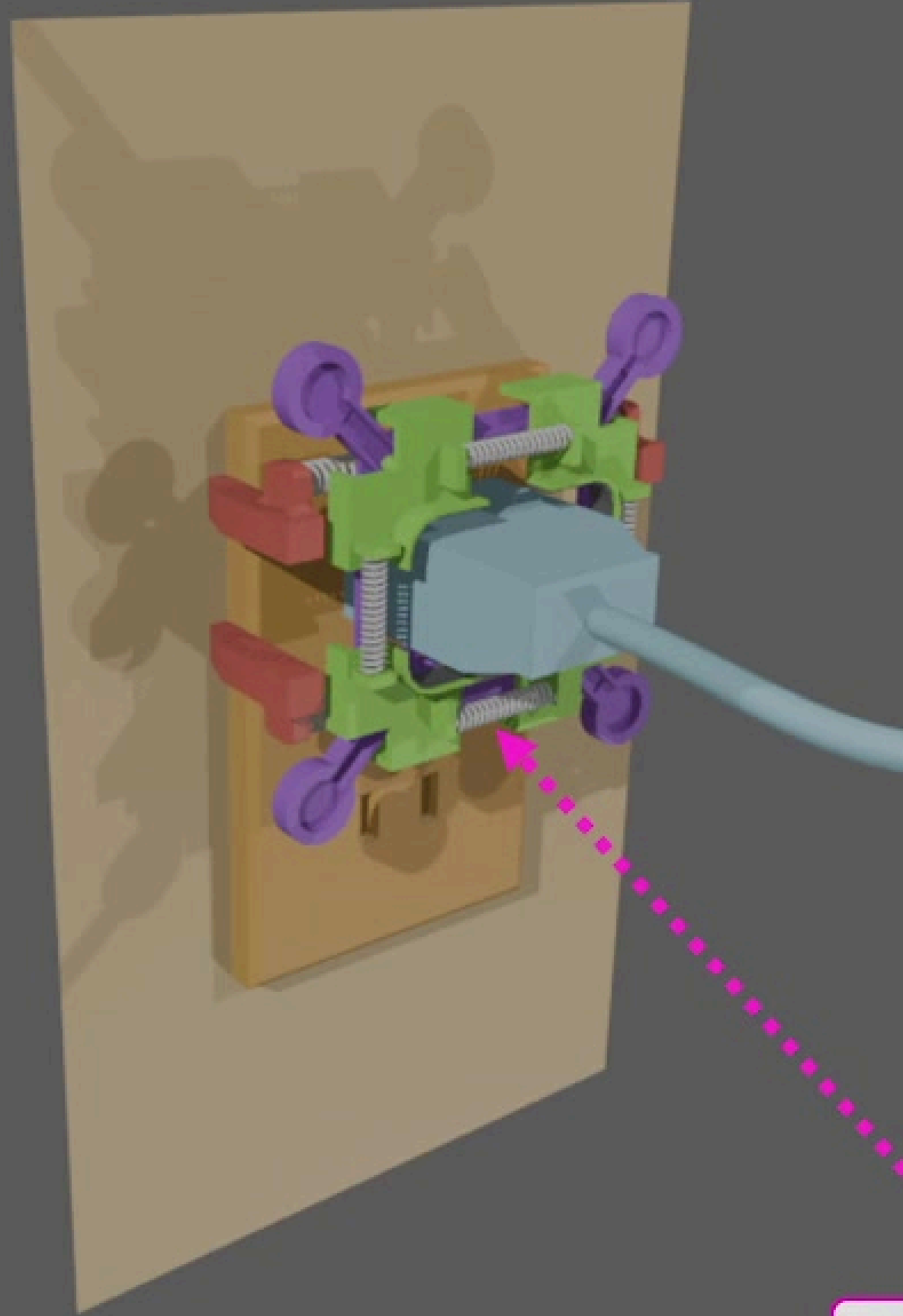
Spring Clamps

Candidate Design 2

a4

2

STEP 1

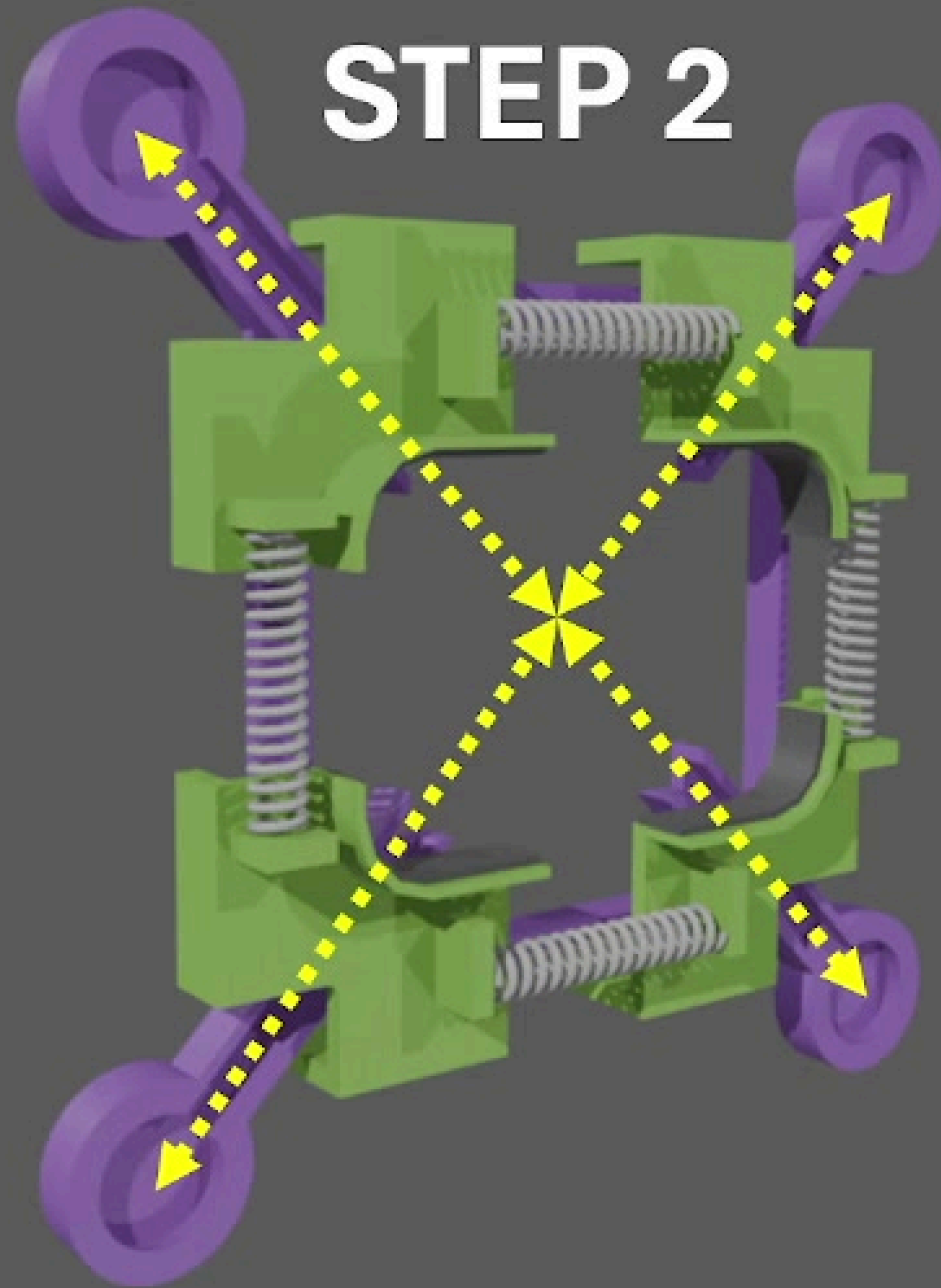


Tensioner Springs

Spring Clamps

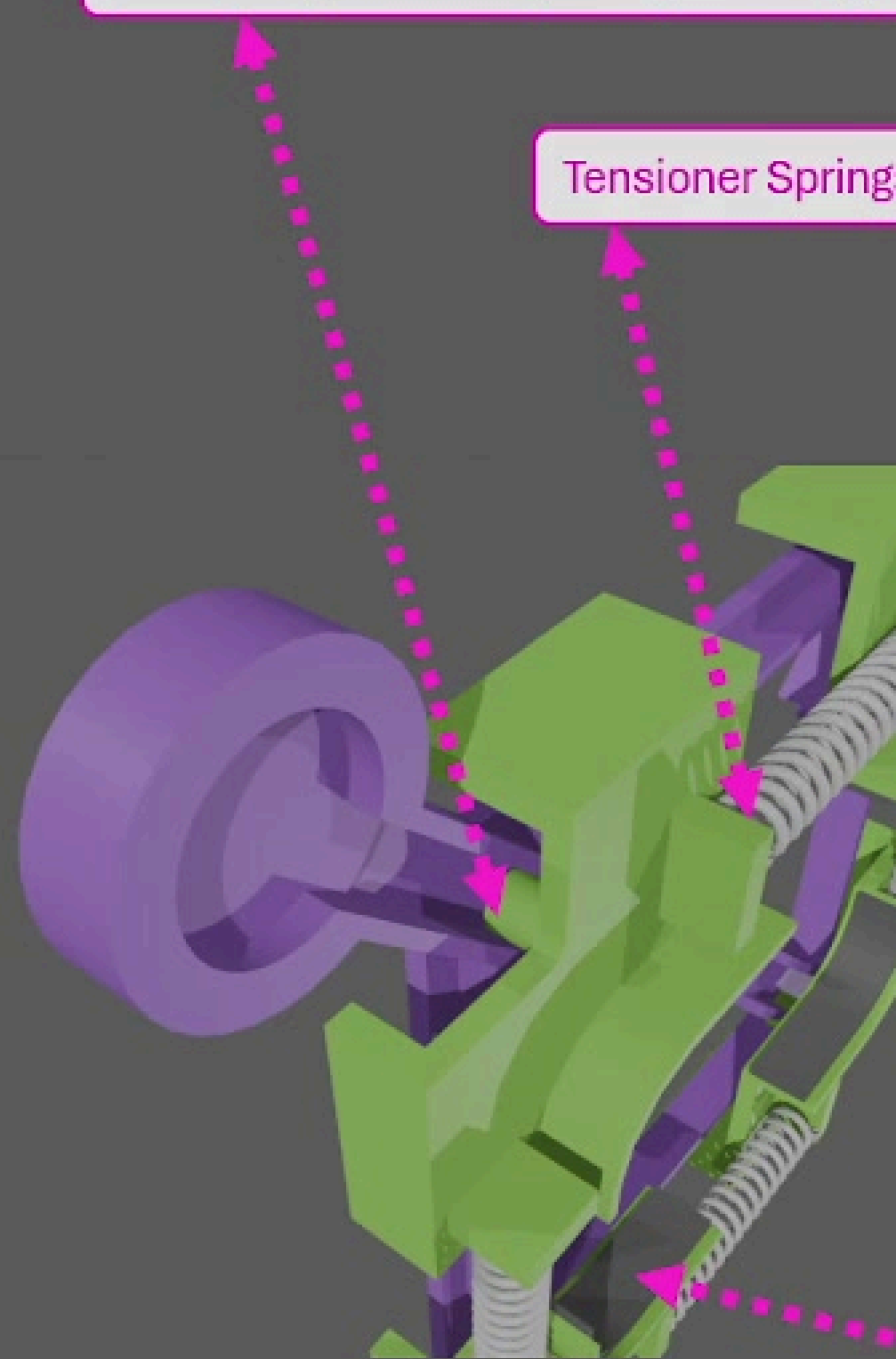
Candidate Design 2

STEP 2

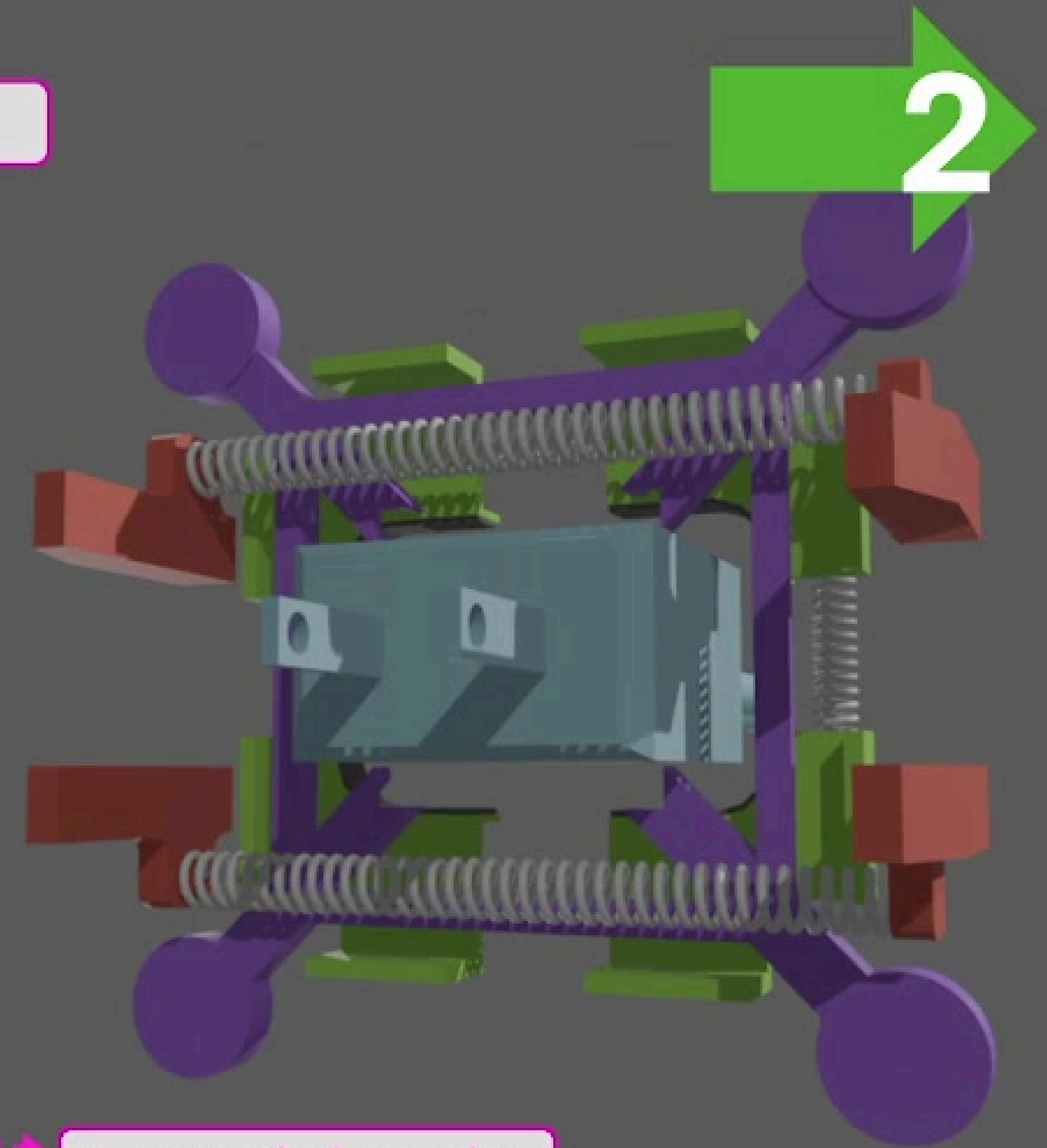


Tracks to guide the capture pieces in green

Tensioner Springs



Rubber anti-slip covering

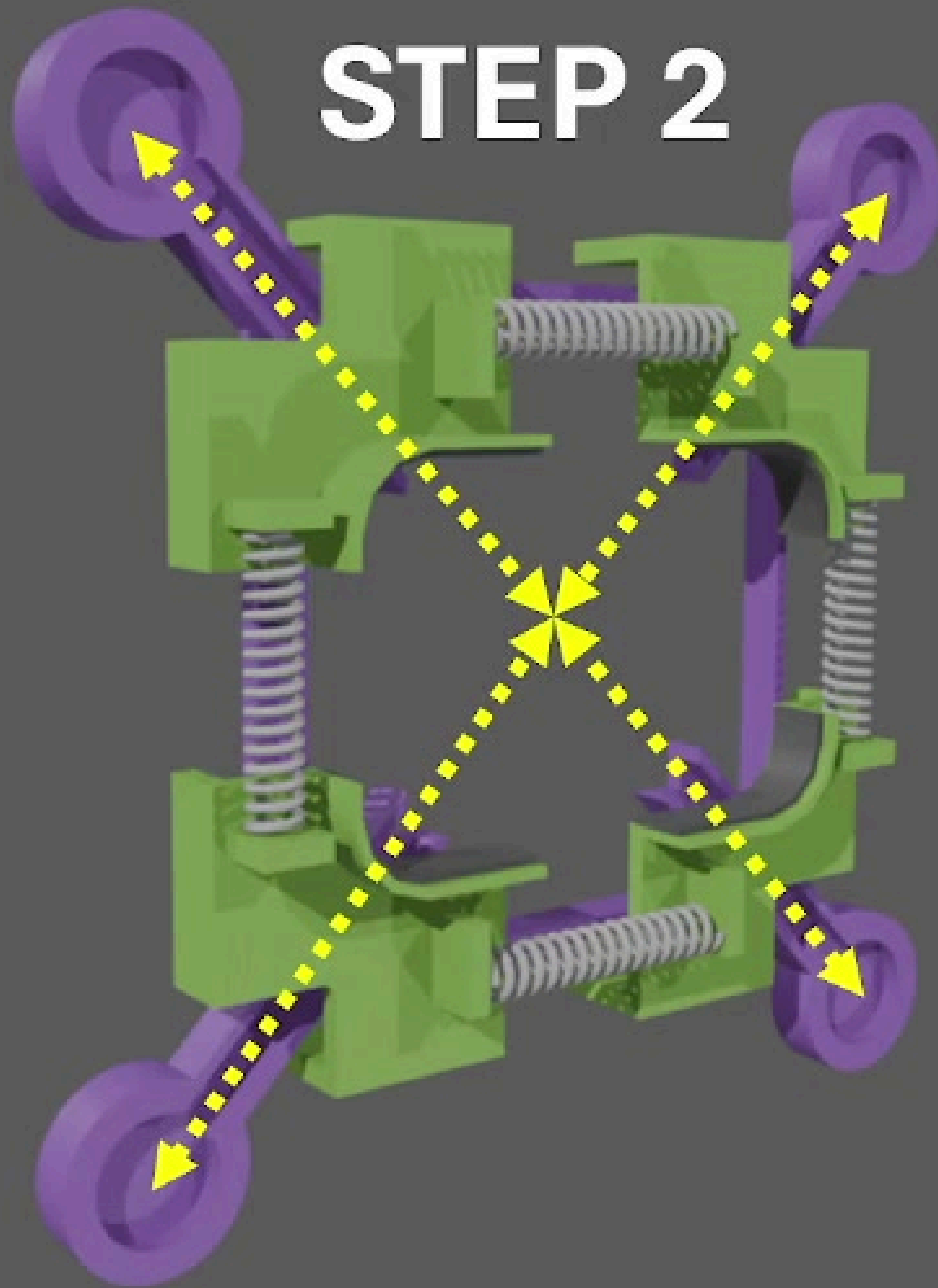


a4

Spring Clamps (Continued)

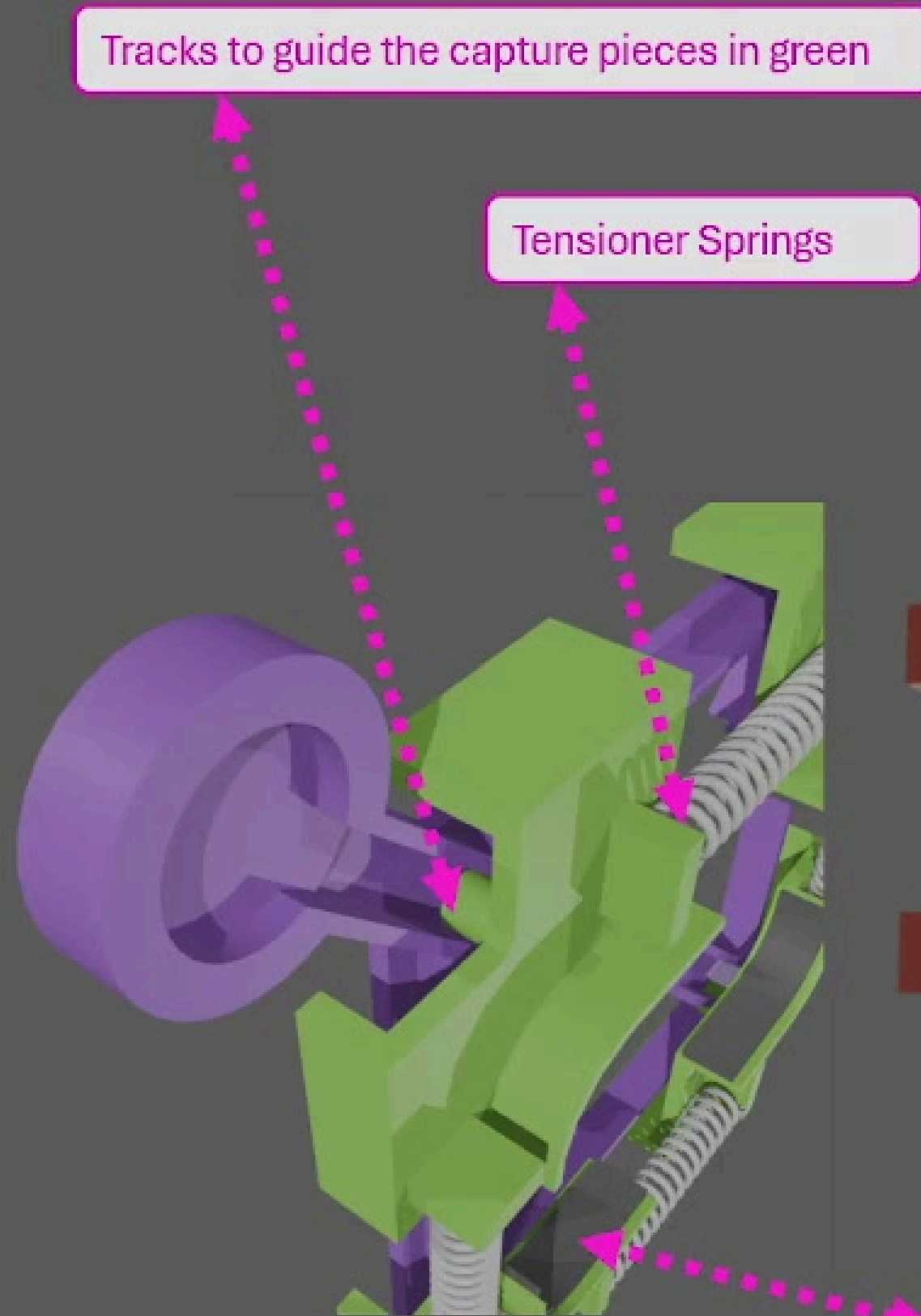
Candidate Design 2

STEP 2



Tracks to guide the capture pieces in green

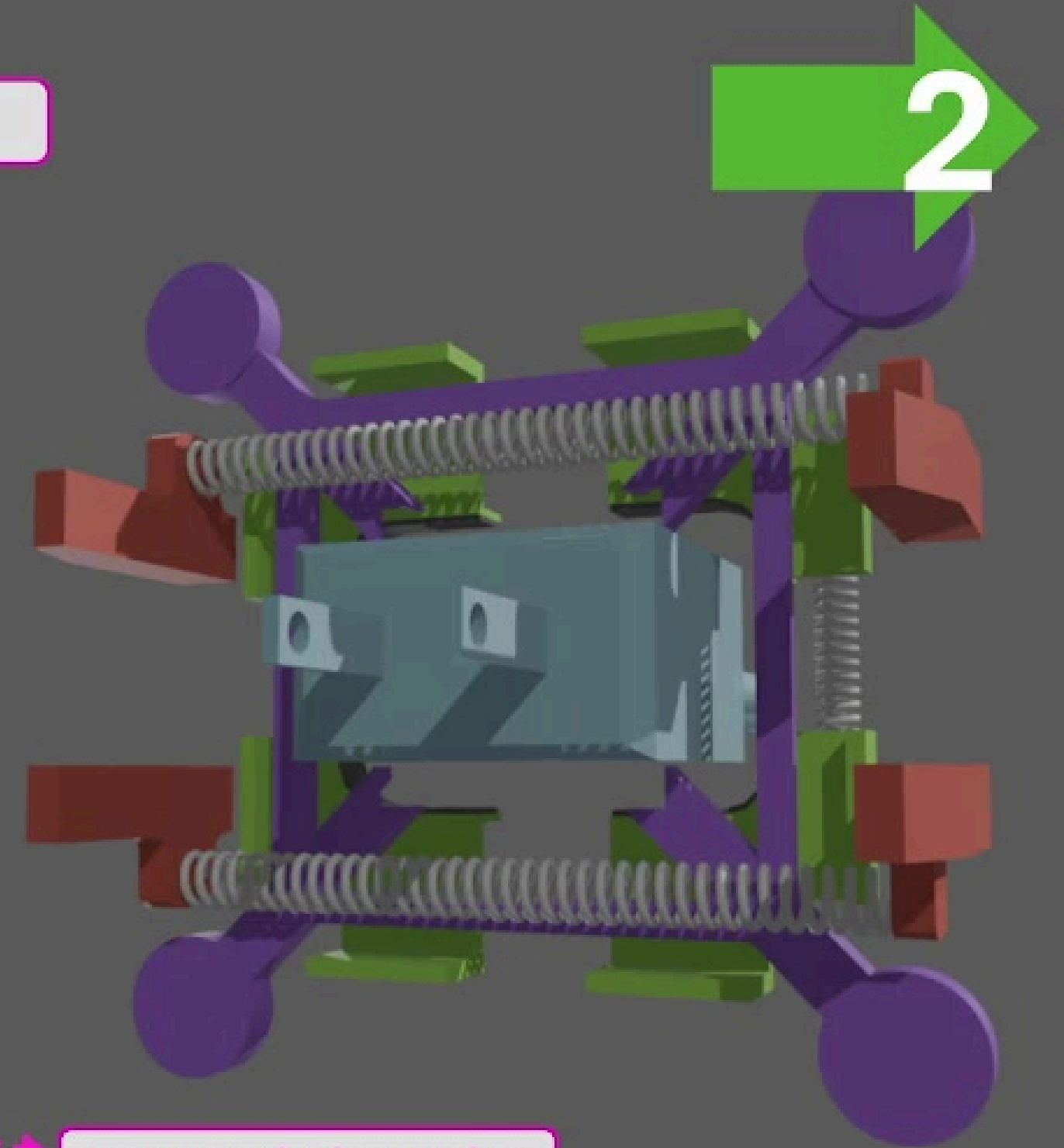
Tensioner Springs



Rubber anti-slip covering

a4

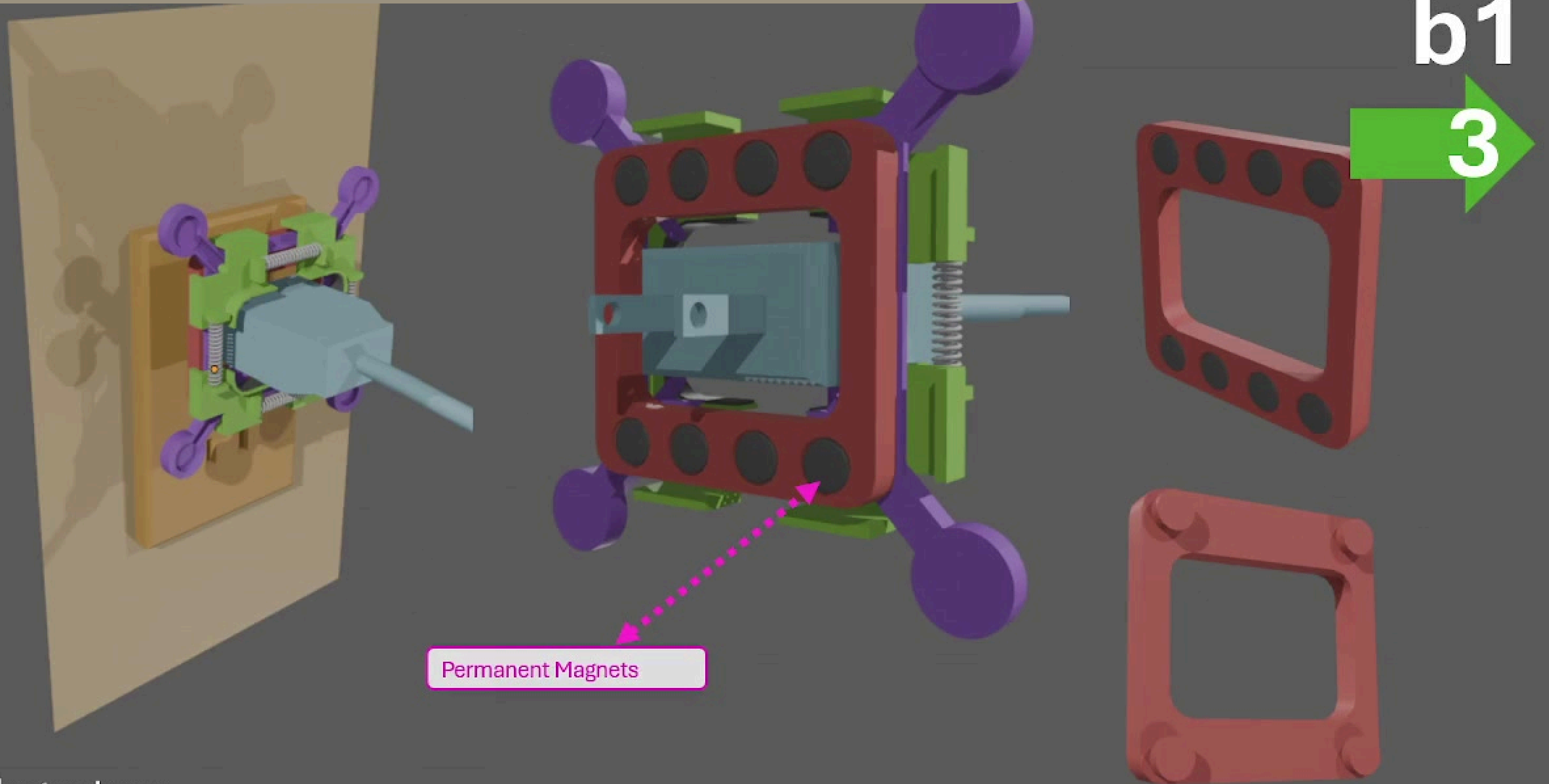
2



Spring Clamps (Continued)

Candidate Design 2

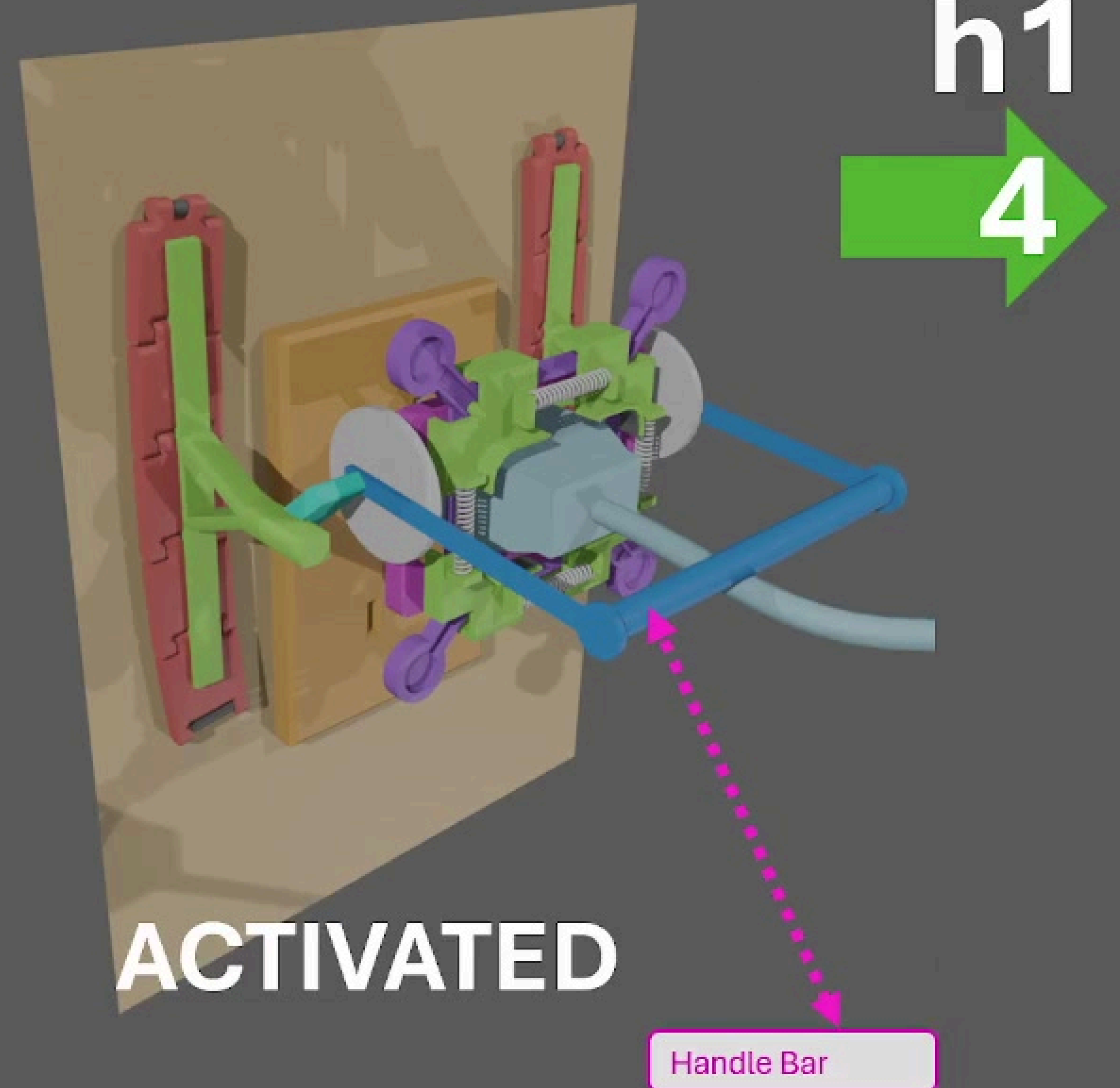
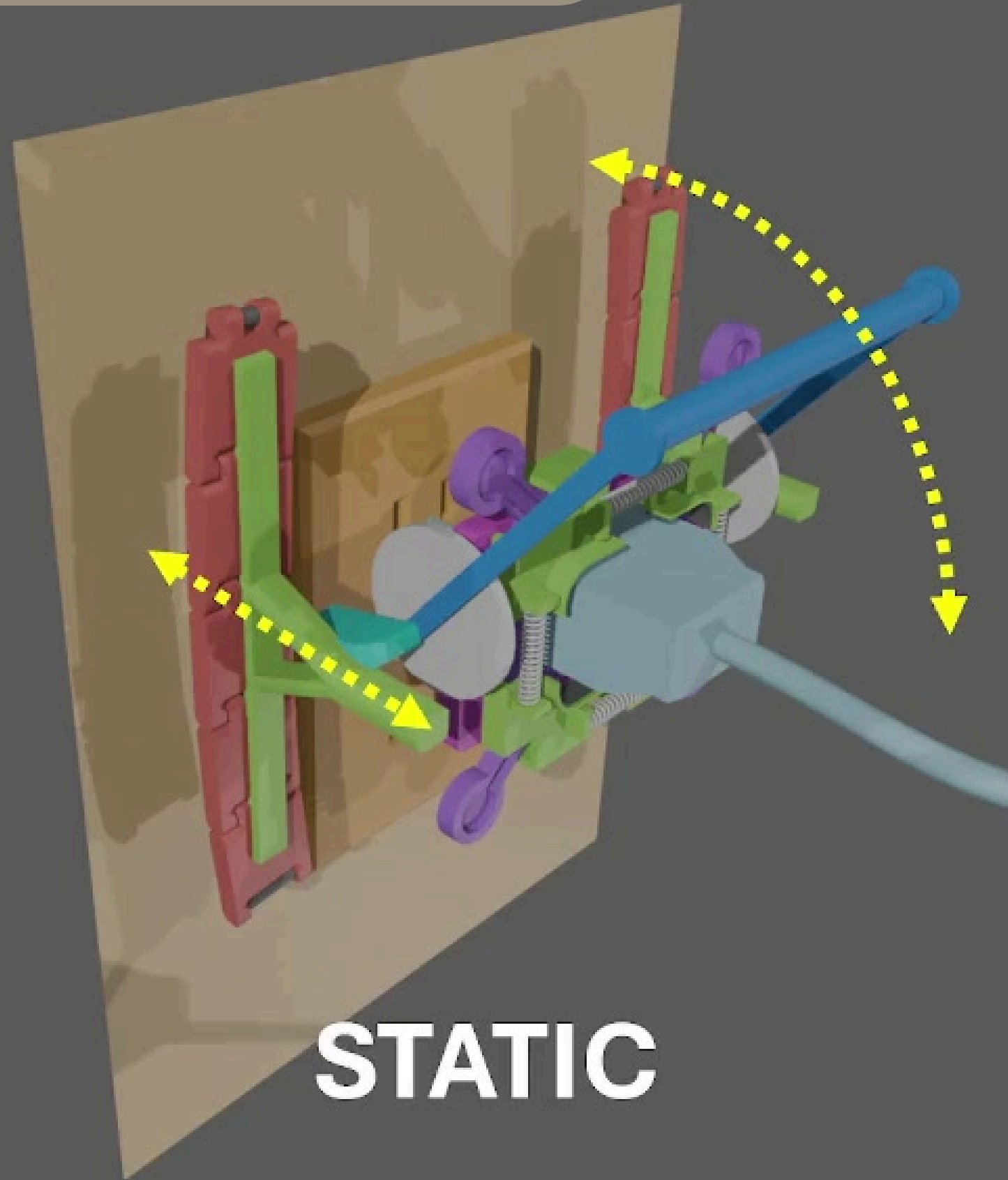
Candidate Design 3 (Recommended Design)



Permanent Magnets

Magnetron

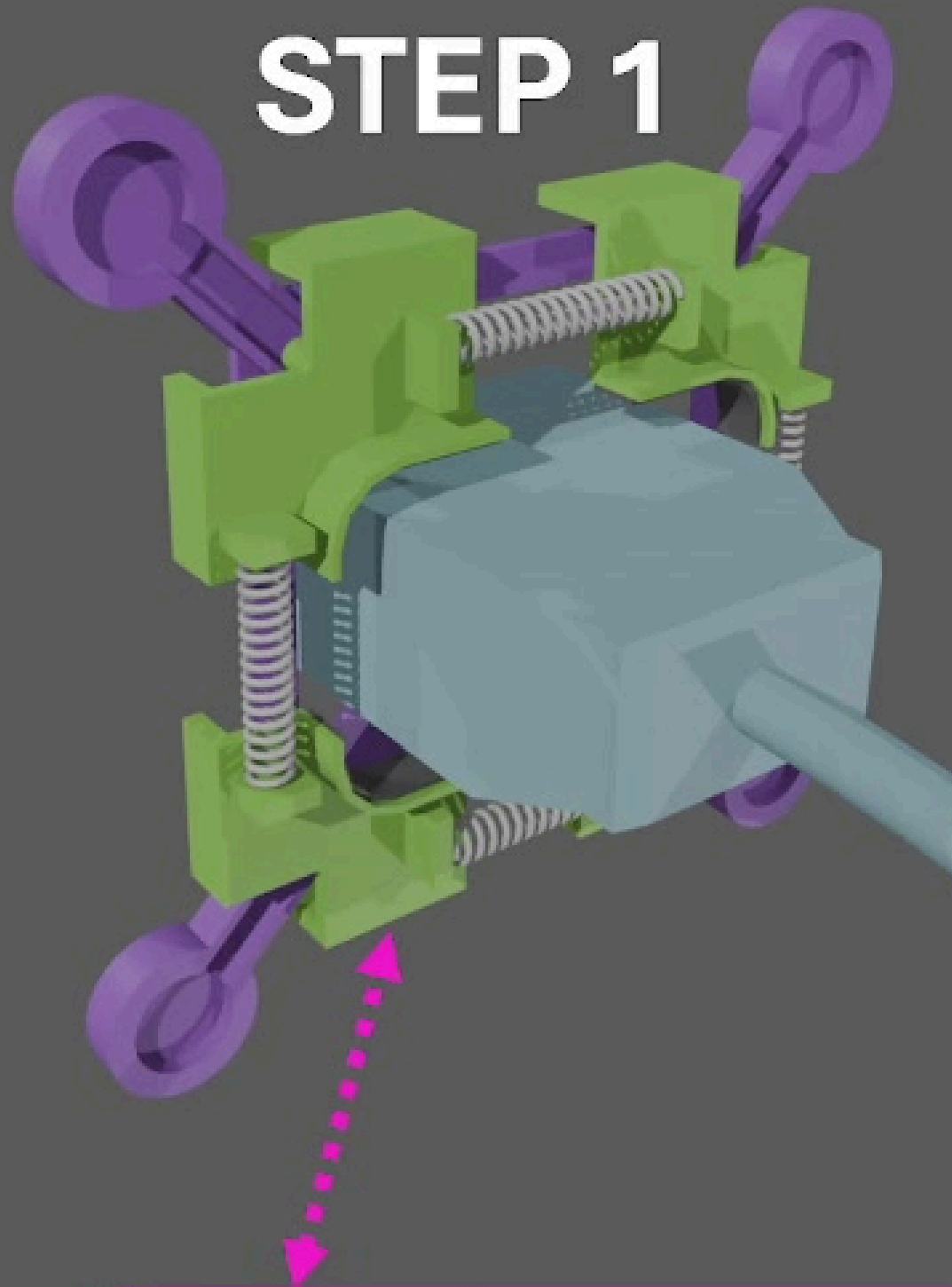
Candidate Design 4



Octopi Suction

Candidate Design 4

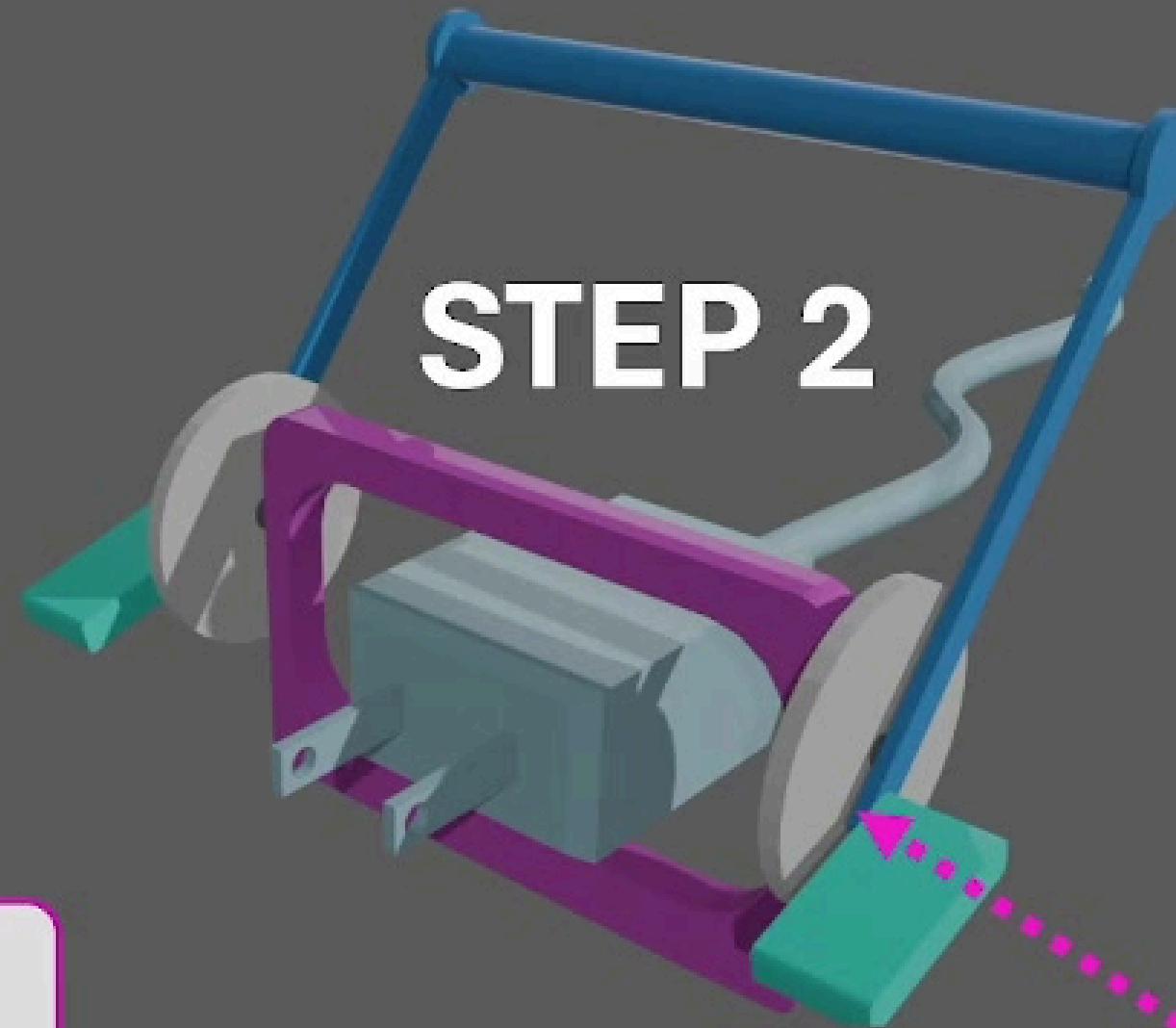
STEP 1



Improved Design to hold the plug as taken from Spring Loaded Clamp Design (a4)

Surface Conforming "arm", green section also conforms with red (not shown)

STEP 2

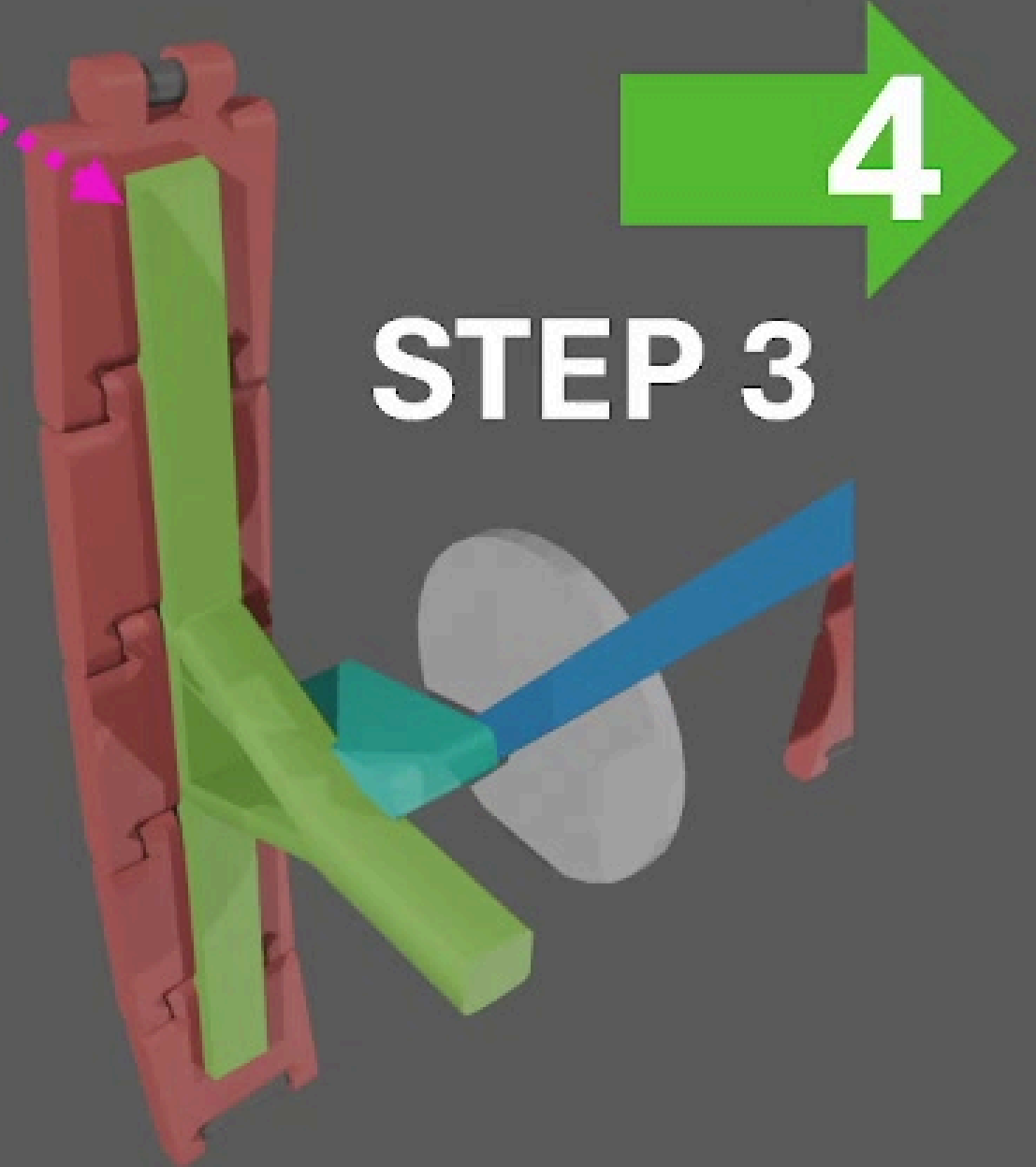


Rotational to Oscillation Mechanism (not shown)

h1

4

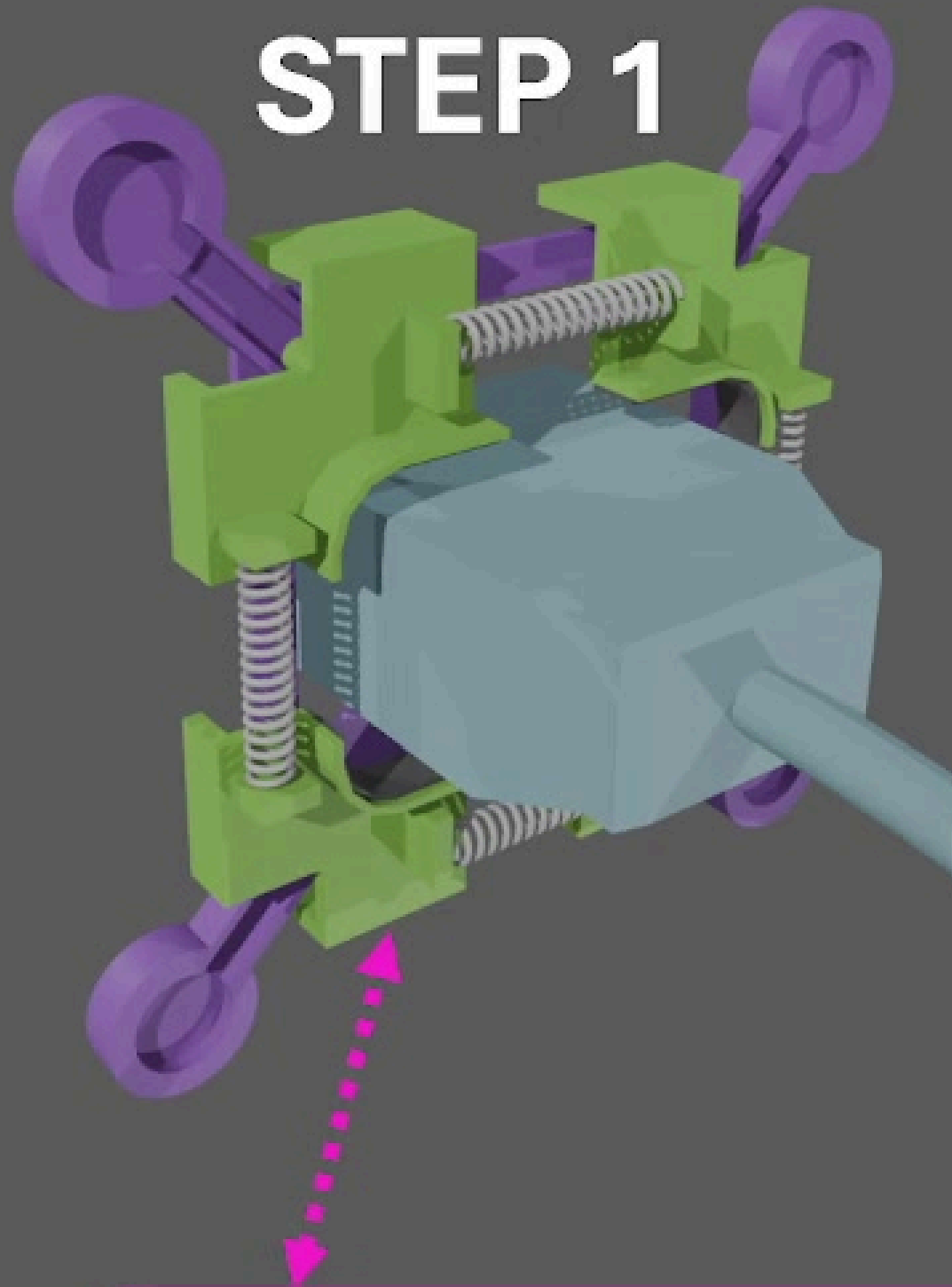
STEP 3



Octopi Suction (continued)

Candidate Design 4

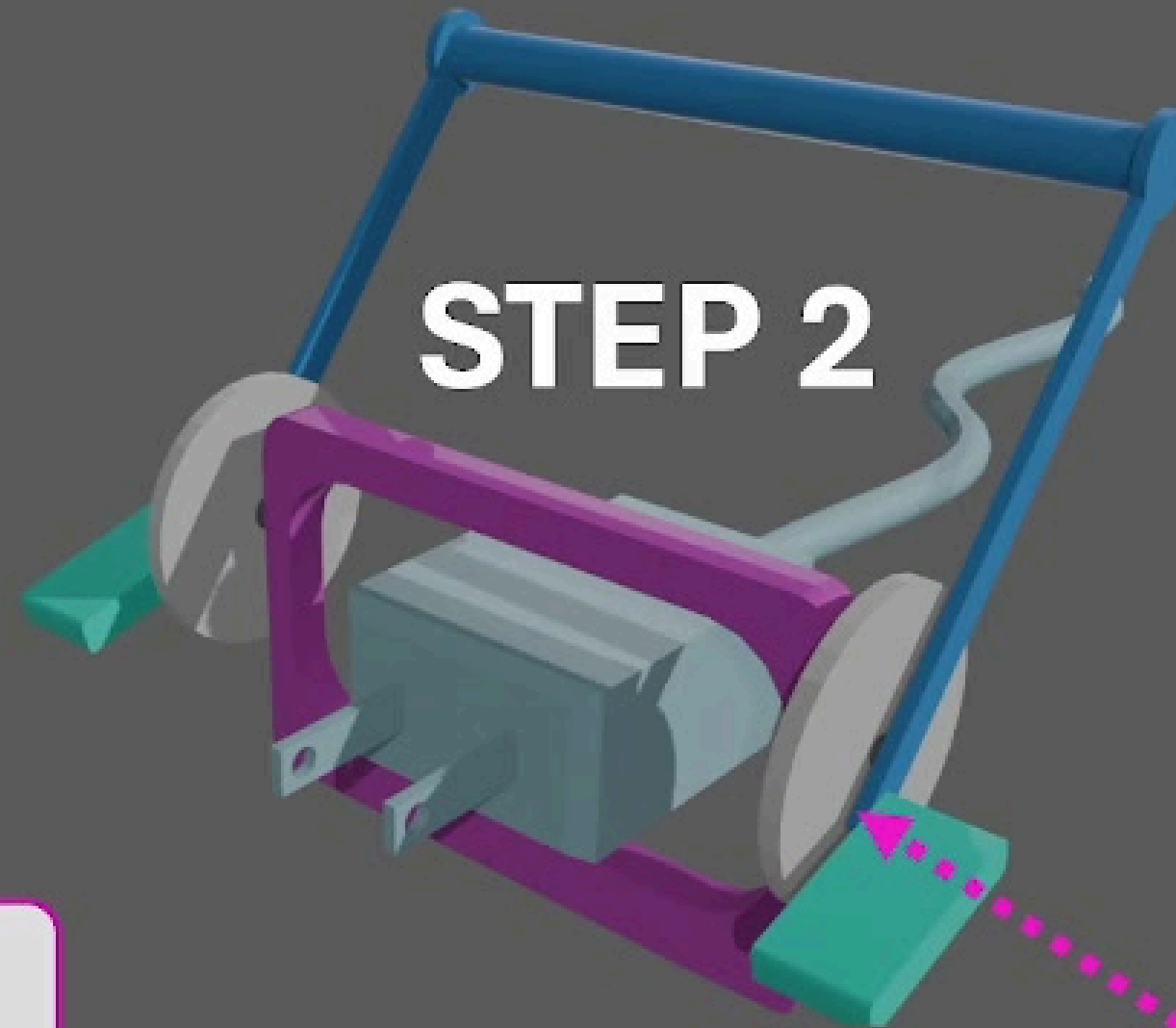
STEP 1



Improved Design to hold the plug as taken from Spring Loaded Clamp Design (a4)

Surface Conforming "arm", green section also conforms with red (not shown)

STEP 2

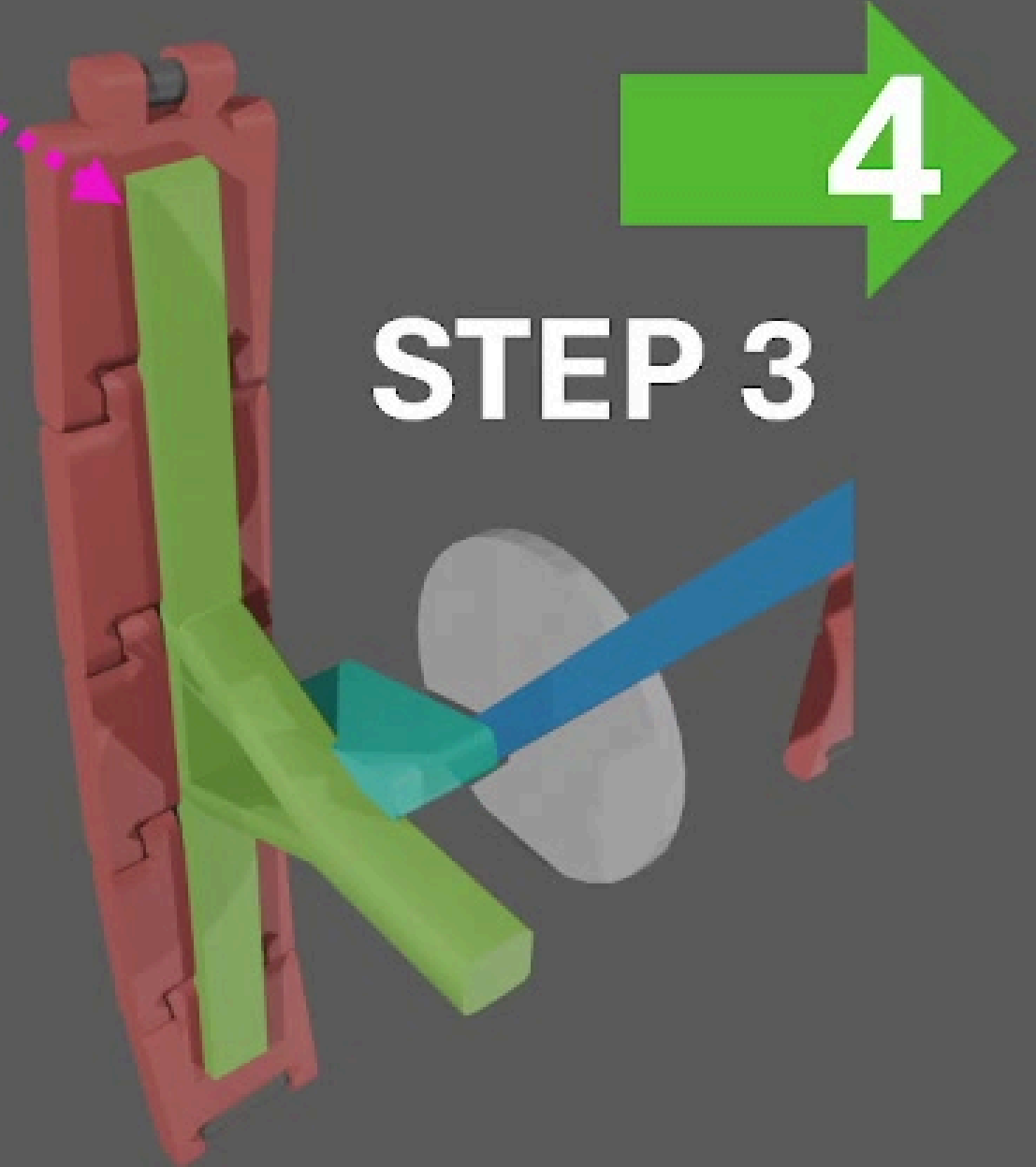


Rotational to Oscillation Mechanism (not shown)

h1

4

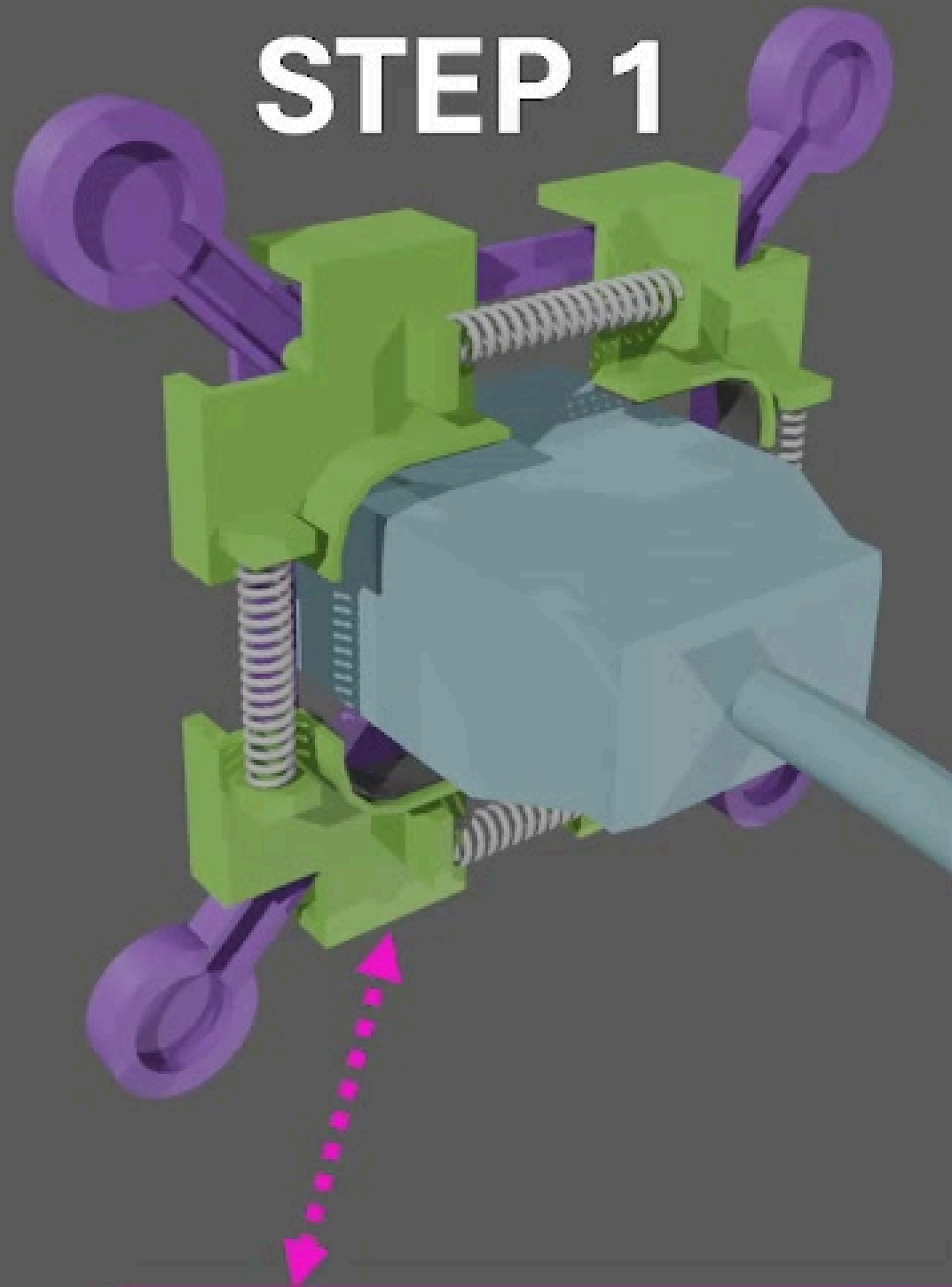
STEP 3



Octopi Suction (continued)

Candidate Design 4

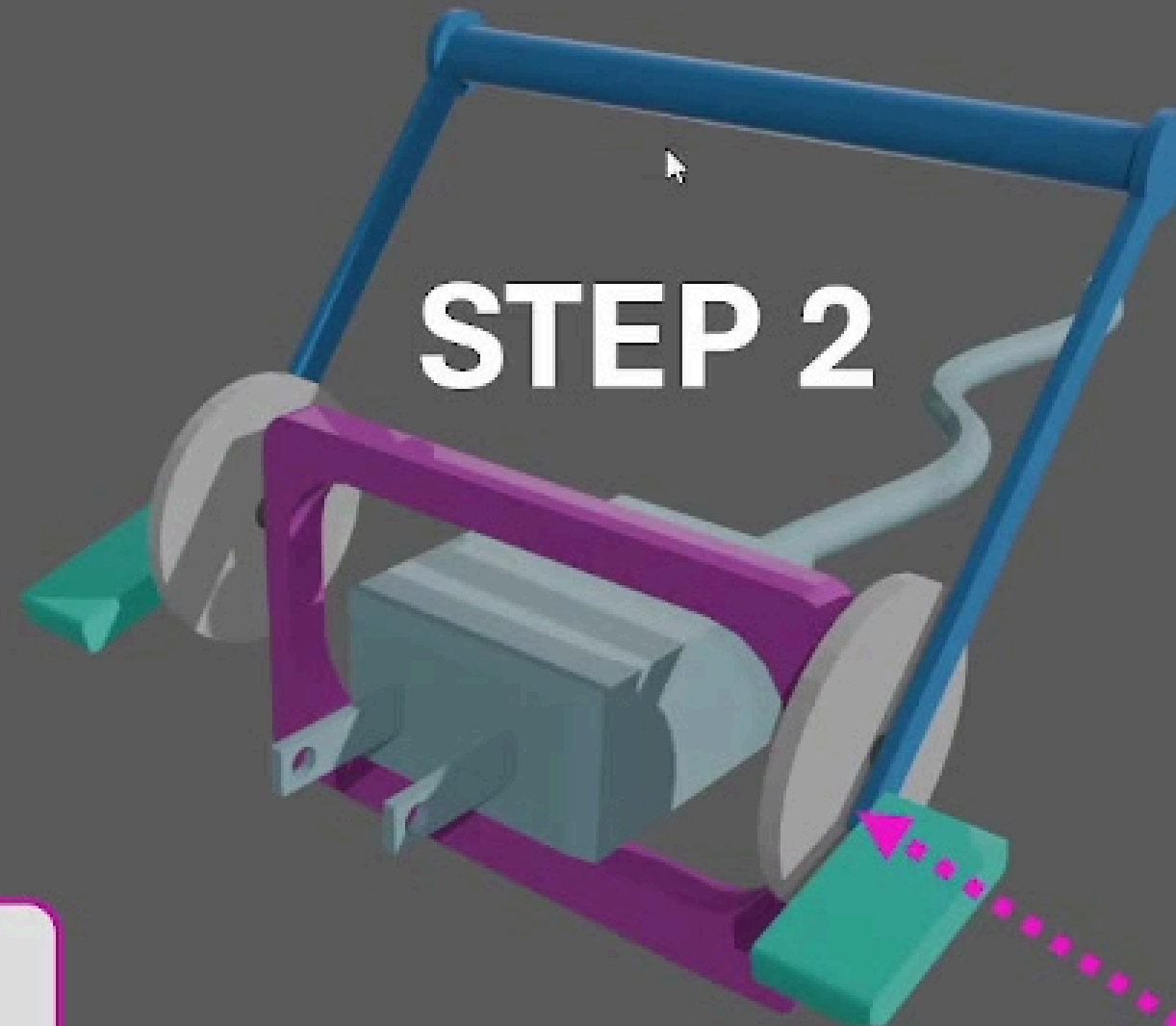
STEP 1



Improved Design to hold the plug as taken from Spring Loaded Clamp Design (a4)

Surface Conforming "arm", green section also conforms with red (not shown)

STEP 2

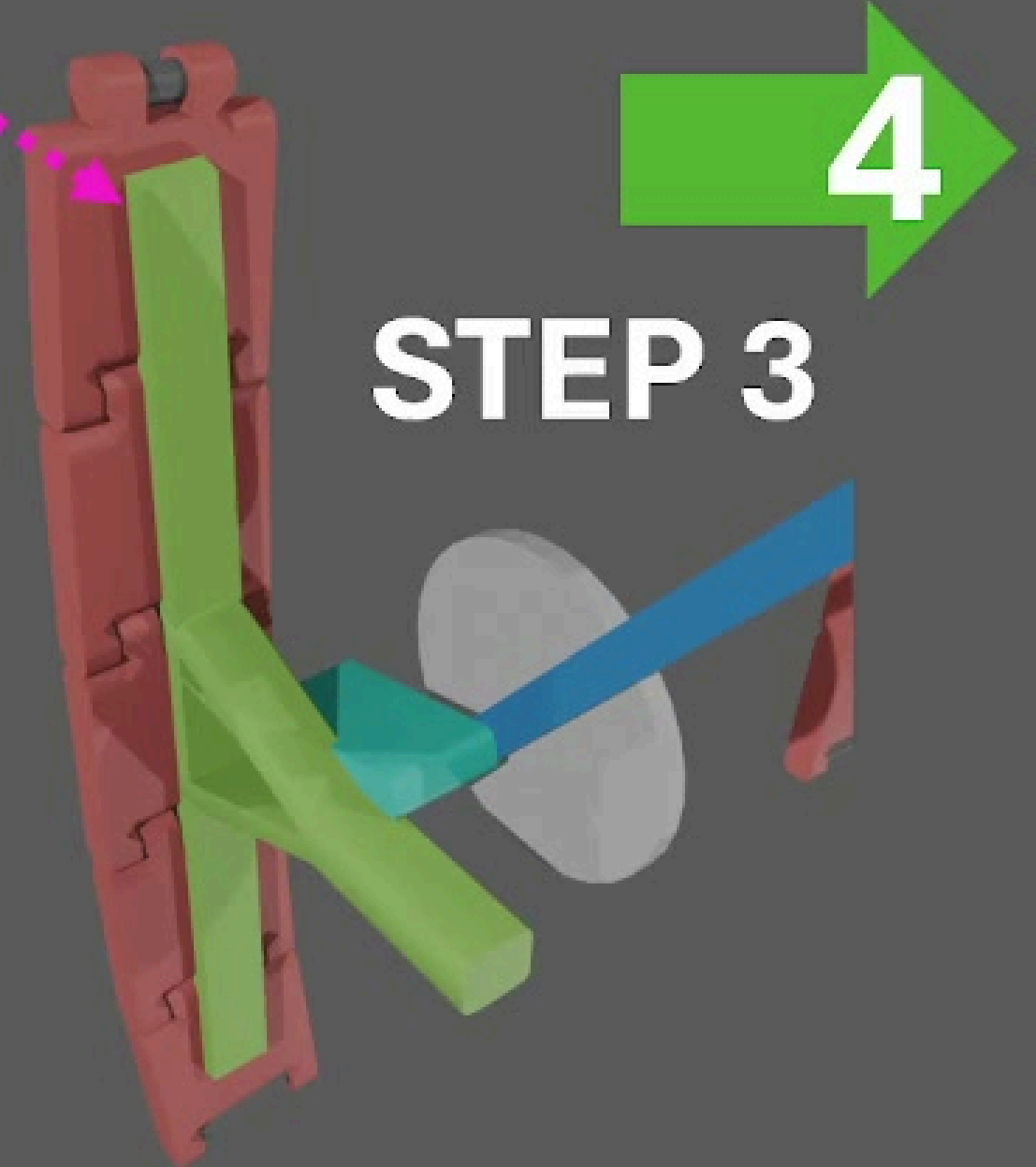


Rotational to Oscillation Mechanism (not shown)

h1

4

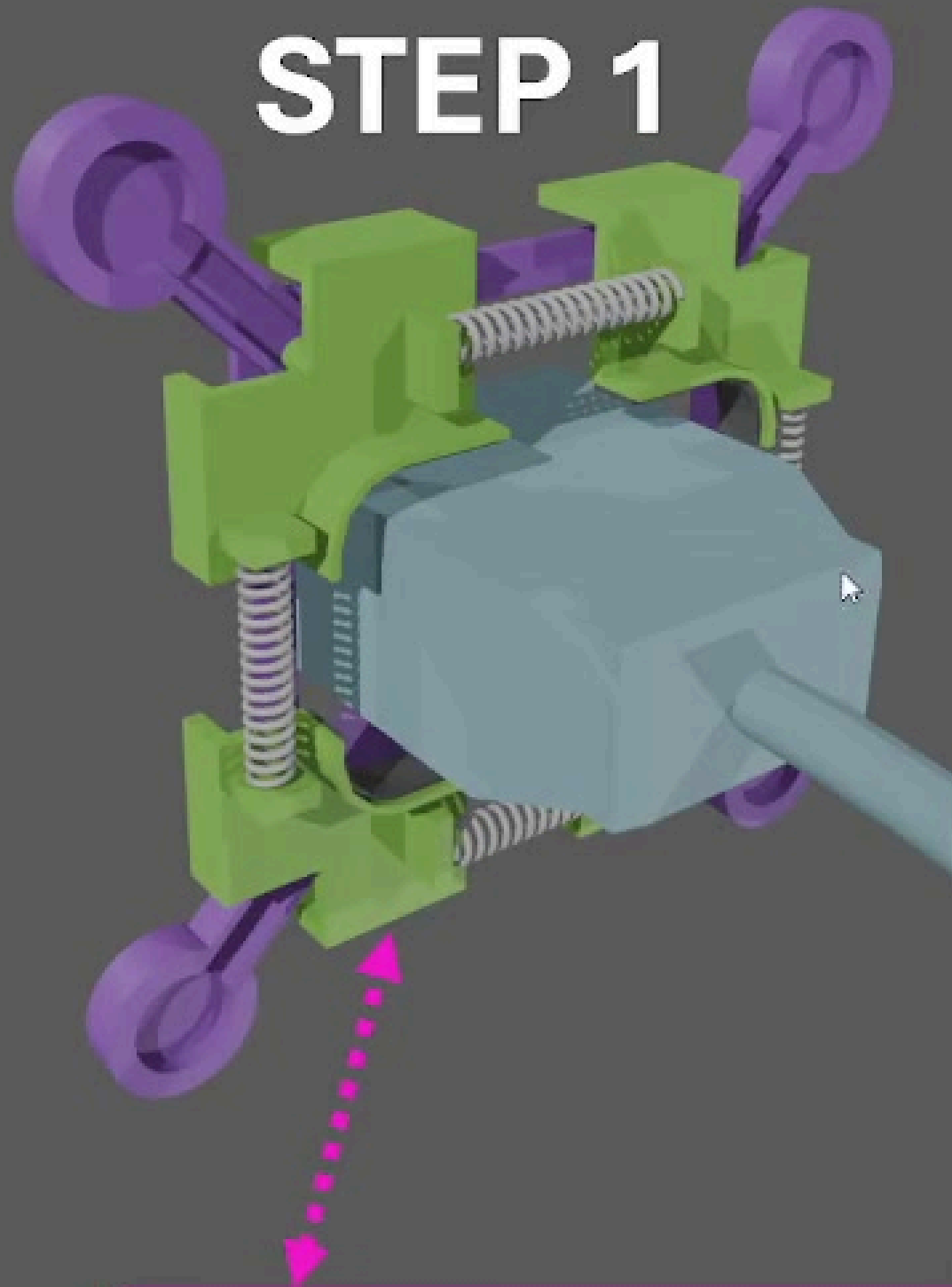
STEP 3



Octopi Suction (continued)

Candidate Design 4

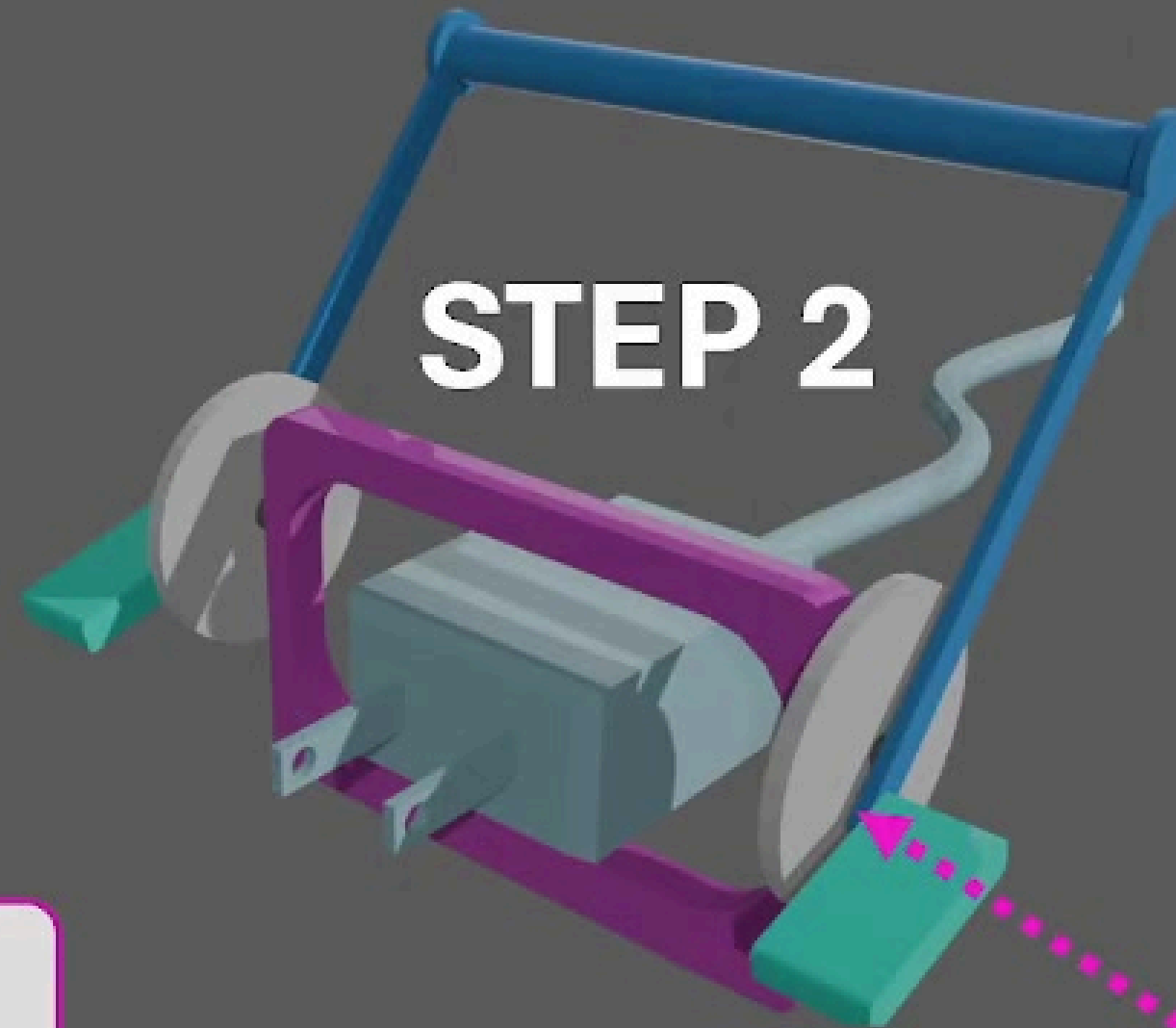
STEP 1



Improved Design to hold the plug as taken from Spring Loaded Clamp Design (a4)

Surface Conforming "arm", green section also conforms with red (not shown)

STEP 2

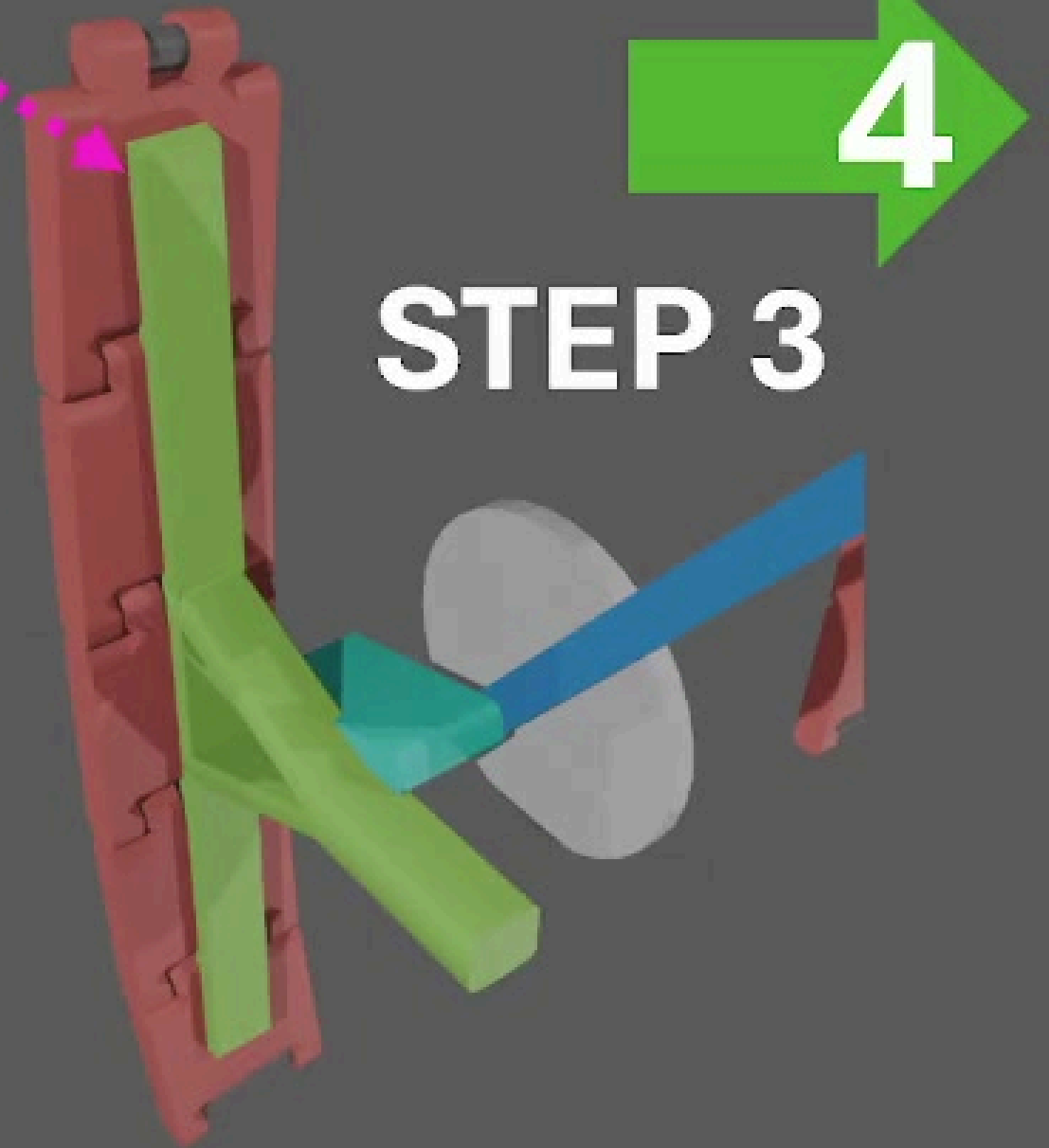


Rotational to Oscillation Mechanism (not shown)

h1

4

STEP 3

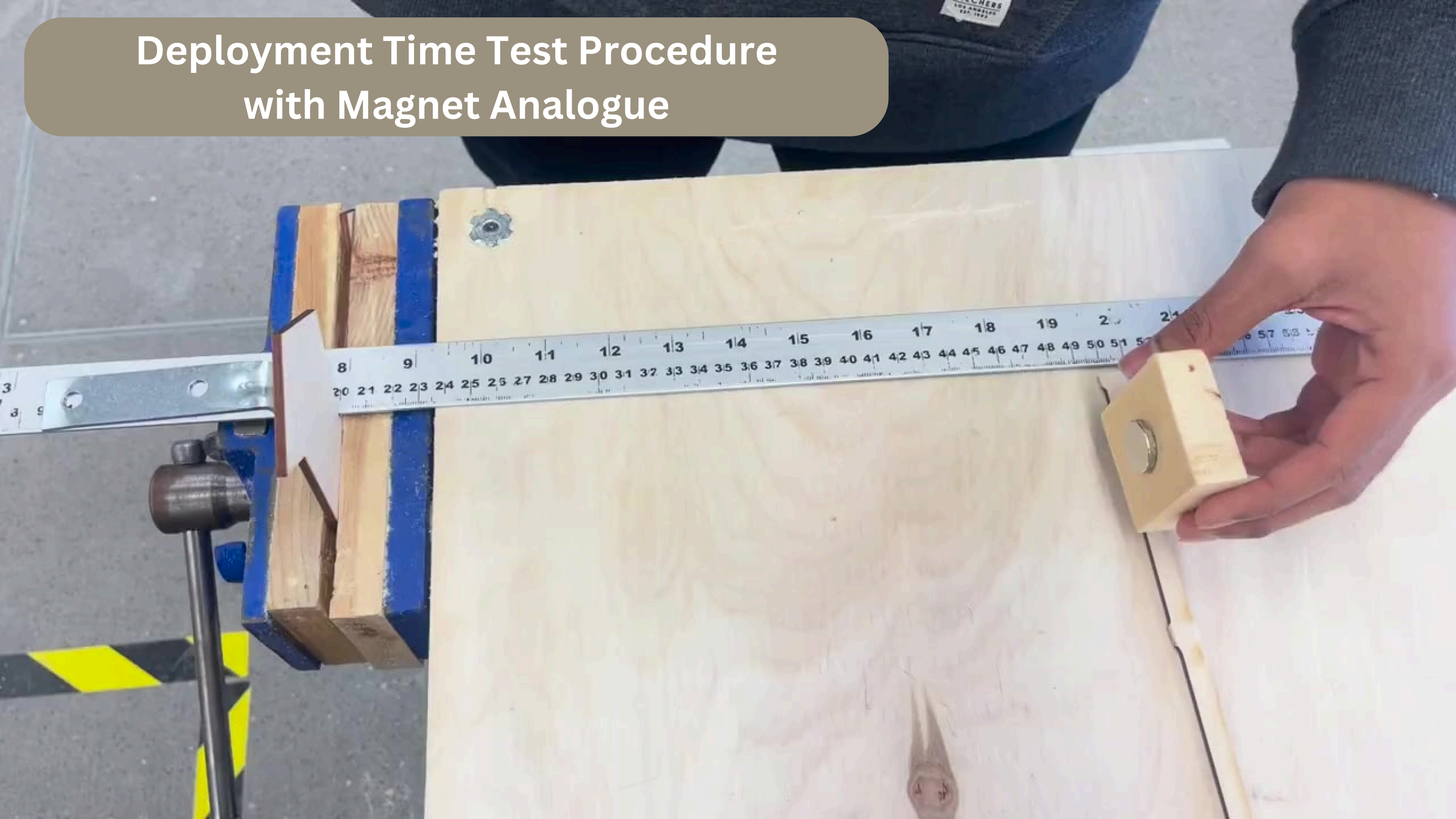


Octopi Suction (continued)

Deployment Time Test Procedure with Nanotape Analogue



Deployment Time Test Procedure with Magnet Analogue



Wall Socket Compatibility Test Procedure with Octopi Suction Analogue



Engagement Force Test Procedure with Nanotape Analogue



Engagement Force Test Procedure with Magnet Analogue

