

MyoPro 2x Adjustment Guide



(L) – Indicates Loctite 243 is necessary

Adjustment

Thumb Abduction/Adduction



Tool: T8 torx Screwdriver: 10 in-lbs (L)

Goal(s):

- ✓ Maximum thumb abduction to maximize grasp
- ✓ Typically 5-10 degrees shy of full abduction
- ✓ If too abducted, can over-tension the thenar web space and pull hand proximal, disrupting suspension

Thumb Saddle Tilt and Protraction/Retraction



Tool: 3mm Hex: 10in-lbs

Goal(s):

- ✓ Even pressure on either side
- ✓ Span IP joint
- ✓ Thumb tip exposed

Hand Motor Slide



Tool: T8 torx Screwdriver: 10 in-lbs (L)

Goal(s):

- ✓ Dorsal support should be as close to MCP joint as comfortable
- ✓ Slides motor and connected finger components proximal or distal

Thumb Opposition



Tool: Manual Force (bending of aluminum bar)

Goal(s):

- ✓ Thumb between 1-2 fingertip
- ✓ Functional 3-jaw grasp

Finger Saddle Tilt



Tool: 2.5mm Hex: 10 in-lbs

Goal(s):

- ✓ Even pressure on either side of dorsal support

Adjustment

Forearm Length



Tool: 2mm Hex: 10 in-lbs (L)

Goal(s):

- ✓ Proper elbow center position
- ✓ Note: Loosening screws allows for slide AND rotation of hand carrier bar

Forearm Length



Tool: 2mm Hex: 5 in-lbs (L)

Goal(s):

- ✓ Proper elbow center position

Slides Forearm Shell Along Forearm



Tool: 2mm Hex: 5 in-lbs (L)

Goal(s):

- ✓ Forearm cuff as proximal on forearm as is comfortable and allows for full elbow flexion

Humeral Shell



Tool: 2.5 mm Hex: 10 in-lbs

Goal(s):

- ✓ Even pressure of shell proximal/distal and anterior/posterior
- ✓ Anterior tilt is often indicated for improved sensor contact through ROM

Harness

Crossbody Harness



Figure of 8 Harness



Use anterior and posterior retention clips on humeral shell to secure harness into place.

Figure of 8 Harness: Offloads weight of MyoPro on user's shoulder AND promotes external rotation (use lateral posterior retention clip)

Crossbody Harness: Unloads the weight of the MyoPro on user's shoulder