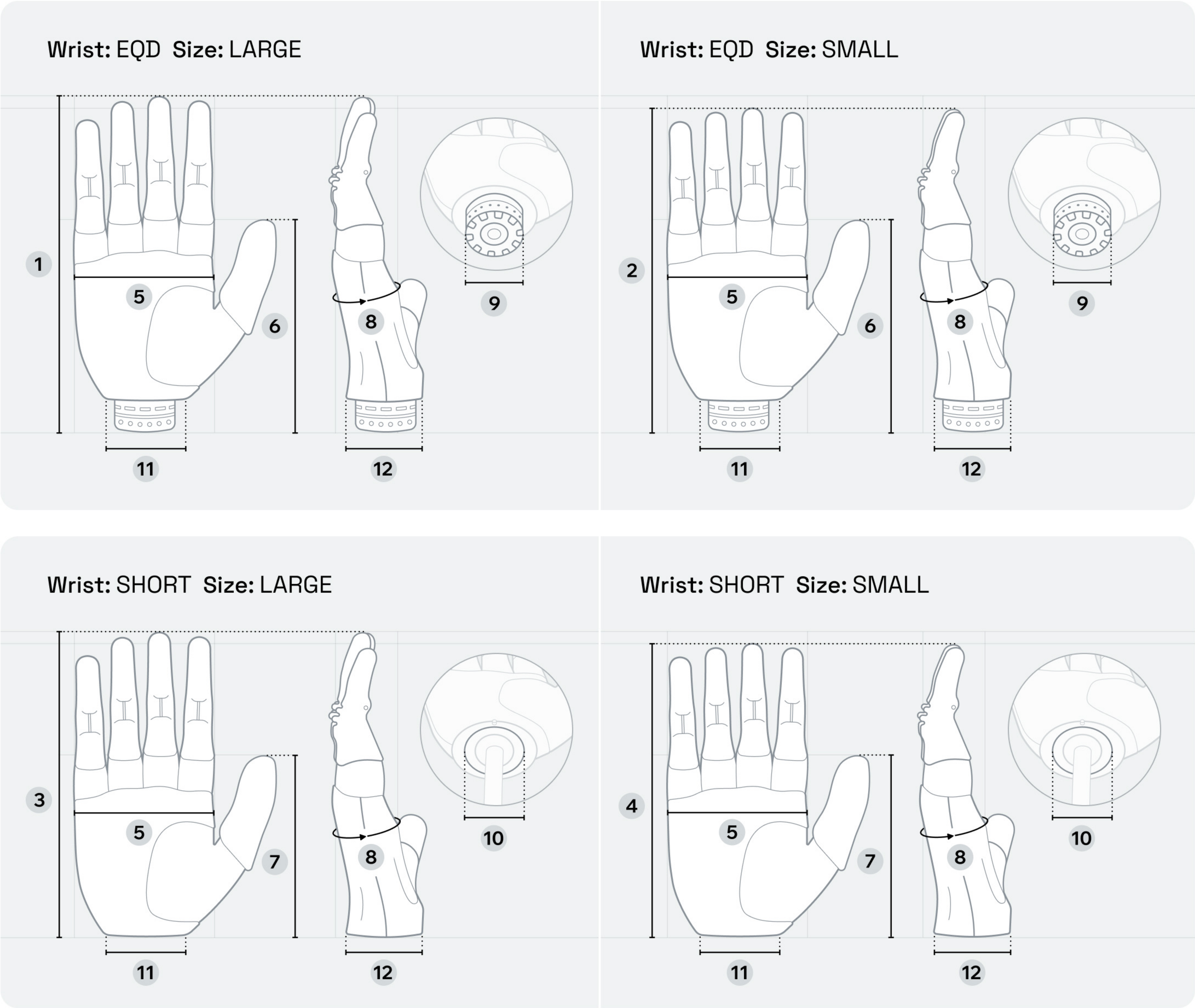


Ability Hand™ Specifications

Clinical

June 2026

Dimensions	Large, Including EQD	201 mm (L) 1 × 85 mm (W) 5
	Small, Including EQD	195 mm (L) 2 × 85 mm (W) 5
	Large, Including Short Wrist	184 mm (L) 3 × 85 mm (W) 5
	Small, Including Short Wrist	178 mm (L) 4 × 85 mm (W) 5
	Thumb Tip Length (in Relax Grip)	125 mm (EQD) 6 , 110 mm (Short Wrist) 7
	Palm Circumference	200 mm 8
	Wrist Diameter	35.6 mm (EQD) 9 , 34.6 mm (Short Wrist) 10
	Wrist Dimensions	54 mm (L) 11 × 47 mm (W) 12



Weight	Including EQD	500 g / 1.10 lb (Large), 490 g / 1.08 lb (Small)
	Including Short Wrist	460 g / 1.01 lb (Large), 450 g / 0.99 lb (Small)
Mechanical	Max Grip Force (Power Grasp) ⓘ	78 N (17.5 lbf)
	Max Grip Force (Pinch Grasp)	8 N (1.8 lbf)
	Max Grip Force (Key Grasp)	17 N (3.8 lbf)
	Finger Closing Speed	0.2 s
	Max Speed	462 °/s (Fingers), 1848 °/s (Thumb)
	Axial Load Capacity* ⓘ	45.4 kg (100 lb)
	Thumb Load Capacity ⓘ	27.2 kg (60 lb)
	Back-Drivability	Thumb rotator is manually back-drivable
	Water Resistance ⚠	IP64
	Operating & Storage Temperature	−20 °C to 45 °C (−4 °F to 113 °F)
Electrical	Battery Capacity	2200 mAh
	Battery Dimensions	95 mm (L) × 32 mm (W) × 7 mm (H)
	Charge	30 W, 12 V, 2.5 A
	Time to Full Charge	1 hour
	Recommended Operating Voltage	7.4 VDC
	Analog Input Voltage	0-5 V
	Max Current	14 A
Touch Sensing	Touch Sensing	18 force sensors (6 per thumb, index, pinky)
	Haptic Feedback	Vibration motor placed on inner socket
	Vibration Motor Dimensions	10.8 mm (Ø) × 15.2 mm (L) × 5 mm (H)

*Axial Load Capacity refers to the Ability Hand only and does not consider the load of the socket.

ⓘ These specifications may differ depending on when the Ability Hand was manufactured. Please refer to the User Manual that most accurately reflects the Ability Hand, visit www.psyonic.io/clinicians for guidance.

⚠ The wrist must not be exposed to water at any time, as this can damage the batteries or internal components.

The Ability Hand uses the PSYONIC Ability Hand Mobile App (Android and iOS) for setup, allowing clinicians and users to customize hand settings and performance.