



do more

taskaprosthetics.com



 **TASKA™**

10 Nelson Street, Riccarton, Christchurch 8011, New Zealand.

Specifications

V1.1

 **TASKA™**



The TASKA Hand is designed to be **strong, waterproof, move and adapt**, just like a real hand. It is **more practical and intuitive** to use, giving a greater sense of **confidence and freedom**.

All images are for marketing purposes only. For limitations on the use of the TASKA Hand please see the Appropriate Use Guide.

 **TASKA™**

Key benefits of the TASKA Hand

■ Robust and versatile

- Designed, built and tested for ultimate toughness.
- Perform a wider range of everyday activities.
- Enhanced durability leads to lower maintenance and repair needs.
- Water and dust-proof to IP67 standards make it suitable for a wide range of environments.

■ Waterproof

- No need for fragile gloves.
- Easily wash both hands with soap and water for enhanced hygiene.
- Complete everyday tasks like washing dishes, cleaning the car, etc.

■ Secure grip

- Grip a wide range of objects with greater confidence.
- Lock button to prevent accidental movements.
- Grasp cutlery securely and cut food with ease.

■ Versatile basic grips

- Flexible fingers mean you can wedge objects between fingers and do more with grips.
- Three default grips, suitable for almost any task.
- Powerful pattern recognition.
- Versatile grips mean fewer grip changes and allows you to get more out of a pattern recognition system.

■ In-built flexible wrist

- Reach low, midline and high objects.
- Lockable flexion, extension and neutral positions.
- In-built design reduces weight and build height.
- Easy to use for bilaterals.

■ TASKA Control System

- User-friendly grip change buttons make it a breeze to operate without sophisticated EMG control.
- Combine buttons and grip triggers to quickly access a wide range of grips.
- Customise to suit your individual needs.
- Mobile app allows for rapid 'on-the-go' adjustments.
- Perfect for both single and dual site users.

■ Resettable Knuckle Release

- Unique to the TASKA Hand.
- Resettable in seconds by the user.
- Prevents damage during accidents or when lifting heavy loads.
- Release the grip on objects in an emergency.

■ Wrist options

- Industry-standard Quick Disconnect Wrist.
- Low Profile Wrist option for wrist disarticulation, complete with in-built passive wrist rotation.

Key features

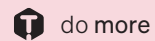


Dimensions



DIMENSION	7¾" HAND	8¾" HAND
A - middle finger tip to hand base (fully open)	179mm	181mm
B1 - hand base to wrist base (Quick Disconnect Wrist)	18mm	18mm
B2 - hand base to wrist base (Low Profile Wrist including lamination collar)	12mm	12mm
C - diameter at wrist	54mm	54mm
D - thumb tip to hand base	123mm	124mm
E - palm width	81mm	88mm
F - palm circumference	7¾ in (197mm)	8¾ in (210mm)

The TASKA Hand is available in black, white or sand, Quick Disconnect or Low Profile Wrist in sizes 7¾ and 8¾in. For further fitting and dimensional information contact your TASKA representative.



Specifications

PARAMETER	VALUE		
Operating voltage	7.4V (nominal)		
Maximum current	5A		
TASKA Battery capacity	2000mAh (2x units of 44mm x 80mm x 7.5mm)		
TASKA Battery charge time	4hrs from 0%		
TASKA Battery weight	88.6g		
Storage temperature (TASKA Battery system)	14°F to +95°F (-10°C to +35°C)		
Operating temperature (TASKA Battery system)	14°F to +140°F (-10°C to +60°C)		
Environmental operating temperature (hand)	-4°F to +140°F (-20°C to +60°C)		
User resettable Knuckle Release*	≥2.5Nm per digit		
Maximum digit speed at proximal link	Thumb: 63°/sec	Finger: 98°/sec	Thumb rotator: 180°/sec
Grip force - 7¾ inch hand	Thumb: 22.0N	Finger: 12.5N	Little finger: 6.7N
Grip force - 8¾ inch hand	Thumb: 22.0N	Finger: 12.5N	Little finger: 12.5N
Maximum opening	100mm		
Wrist	Low Profile rotation	90°	
	Extension lock position	15° extension	
	Flexion lock position	25° flexion	
Waterproofing	IP67		
Overall carry load	20kg		
Weights	LP wrist (8¾ inch): 616g	LP wrist (7¾ inch): 556g	
	QD wrist (8¾ inch): 671g	QD wrist (7¾ inch): 611g	

For full specifications on the TASKA Hand, please visit taskaprosthetics.com

* 50 resettable Knuckle Releases typical use cases over product life.

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