

ProHensor® VCAL™

Clinical & Reimbursement Booklet

Precision Control Auto-Locking Terminal Device

Marins, Inc.

MarinsMed.com

Version 10 | 2026

Table of Contents

- Section 1** Quick Clinical Summary
- Section 2** Device Overview
- Section 3** Patient Fit and Use Cases
- Section 4** Clinical Considerations
- Section 5** Coding Note
- Section 6** Sample Clinical Narrative
- Section 7** Specifications & Directions for Use
- Section 8** Warranty & Service Overview
- Section 9** Contact & Resources

Section 1: Quick Clinical Summary

ProHensor® VCAL™

Device Description

The ProHensor VCAL is a body-powered terminal device for upper-limb amputees at or above the wrist. It combines voluntary-closing control with Secure Auto-Locking to maintain grip without continuous cable tension. The device preserves the direct control and proprioceptive feedback of body-powered systems while supporting sustained hold.

Clinical Snapshot

Compatible with standard harness systems and common wrist connections. Left or right side configuration is set during fitting. The modular LockCore™ design is clinic-serviceable and intended to reduce downtime when service is needed.

Coding Note

L7499 has been used for this device in prior submissions. Coding, coverage, and payment remain payer-specific and are the responsibility of the treating clinic. Marins can provide product information and supporting materials on request.

Key Clinical Points

- Patented Modular VCAL Technology with Secure Auto-Locking
- body-powered control with proprioceptive feedback
- sustained hold without continuous cable tension
- three operating modes for different task demands
- clinic-serviceable LockCore design
- compatible with standard body-powered setups

Section 2: Device Overview

ProHensor® VCAL™

The ProHensor VCAL is a body-powered terminal device designed for users who want the durability, responsiveness, and proprioceptive feedback of body-powered control with the functional benefit of sustained hold. Its Patented Modular VCAL Technology combines cable-actuated voluntary closing with Secure Auto-Locking, so the user does not need to maintain cable tension throughout the task.

This design preserves the practical advantages of body-powered use while reducing the need to maintain continuous effort during sustained grasp activities. The device may be configured for left or right-side use during fitting and integrates with standard body-powered harness systems and common wrist units or quick-disconnect systems.

Design Features

Voluntary-Closing Secure Auto-Locking. Active grip control with sustained hold when clinically appropriate.

Three Operating Modes. Allows the prosthetist and user to match the device to different task demands without changing terminal devices.

Clinic-Serviceable LockCore™. Supports maintenance or replacement without full device replacement.

Standard Compatibility. Works with standard body-powered harness systems and common wrist connections.

Heavy-Duty Construction. Designed for everyday active use, vocational tasks, and demanding environments.

Section 3: Patient Fit and Use Cases

The ProHensor VCAL may be appropriate for body-powered users whose activities require more secure sustained hold than a standard terminal device comfortably provides. The best fit is usually identified through the user's real tasks, current limitations, and the practical consequences of grip insecurity, fatigue, or reduced confidence during function.

The device may be a good fit for:

- body-powered users who need sustained hold for daily, vocational, or recreational tasks
- users who report fatigue or grip insecurity with their current terminal device
- users performing bimanual tasks, lifting, carrying, tool use, or close-to-body work
- users seeking a durable mechanical option that may stand alone or complement another system

Examples of task demands that may support consideration:

- carrying or stabilizing objects during bimanual activity
- lifting and positioning objects with greater security
- tool-based tasks requiring consistent hold during movement
- tasks performed close to the body, overhead, or in confined spaces

Section 4: Clinical Considerations

For some users, the value of the ProHensor VCAL is best understood in relation to tasks that require sustained grasp, secure object handling, and less need to maintain continuous cable tension.

Potential clinical advantages may include improved security during loaded or bimanual tasks, reduced effort during sustained grasp activities, reduced cognitive demand during tasks that require attention to both grip and movement, and support for task performance in positions where maintaining grip through posture or cable tension alone is difficult.

When clinically appropriate, documentation focuses on the individual patient's functional demands, current limitations, safety concerns, and observed benefit with the requested device.

Relevant considerations may include:

- current limitations with the patient's present terminal device
- daily, vocational, caregiving, or recreational tasks that require sustained hold
- fatigue, grip insecurity, or reduced confidence during function
- safety concerns during loaded, bimanual, overhead, or close-to-body tasks
- observed benefit during evaluation, fitting, or trial use
- why the requested device is appropriate for that specific patient

The strongest clinical rationale is typically patient-specific. Clear documentation of current limitations, functional demands, and observed benefit with the device can help support the overall clinical picture.

Clinical Evaluation Finding

University of Delaware Physical Therapy Clinic, comparative functional testing

A transradial-level patient performing high vocational and daily demands was evaluated with and without the Secure Auto-Locking function engaged.

Task	Without Lock	With Lock
Feet-to-waist box lifts (19.4 lb, 5 trials)	5 of 5 failed, 33.3 sec, safety concern	0 of 5 failed, 24.4 sec, no safety concern
Overhead box placement	Unsafe at 4 lb	Safe at 4 lb

Evaluator observation: the locking feature was strongly recommended to ensure patient safety with bimanual lifting tasks, given that the device failed when loaded without the locking feature engaged.

Full redacted clinic excerpt available at MarinsMed.com.

Section 5: Coding Note

L7499 has been used for the ProHensor VCAL in prior submissions. Because this is a miscellaneous upper-extremity prosthetic code, documentation is patient-specific and payer-specific. Coding and coverage decisions rest with the treating clinic.

Documentation typically reflects:

- the patient's current limitations with the existing terminal device
- the specific tasks that are not being performed safely or efficiently

- the functional reason the requested device is being selected
- any observed benefit during trial, fitting, or clinical evaluation
- product description and invoice information as needed by the payer

Additional product information and supporting materials are available from Marins on request.

Section 6: Sample Clinical Narrative

This starter provides the clinical reasoning structure most relevant to L7499 submissions. It is intended to be adapted to the individual patient. Standard letter formatting is at the clinician's discretion.

Patient and Device

[Patient Name], [age], with [amputation level] upper-limb loss, currently using [current device/configuration]. Requested device: ProHensor® VCAL terminal device, a body-powered Secure Auto-Locking terminal device.

Current Limitations

The patient's present terminal device is not adequately meeting functional demands related to [work / home / caregiving / tool use / lifting / bimanual activity]. Specific limitations include [grip insecurity, fatigue during sustained grasp, difficulty maintaining grip during movement, safety concerns with loaded tasks, reduced confidence during tool use].

Functional Need

The patient requires a terminal device that supports body-powered control while allowing sustained grasp without continuous cable tension. This function is relevant to tasks including [specific examples].

Observed Benefit

During evaluation and trial use, the patient demonstrated benefit with the Secure Auto-Locking function during [specific tasks]. Clinical observations supported improvement in [safety / consistency of hold / tolerance for sustained tasks / confidence / reduced effort / reduced cognitive demand during bimanual activity].

Recommendation

Based on the patient's presentation, activity level, and documented task demands, the ProHensor VCAL is an appropriate terminal device for this patient.

Documentation note: patient-specific functional narrative is more useful than generalized product description. Focus on current limitations, relevant tasks, safety concerns, and observed benefit during evaluation or trial.

Section 7: Specifications & Directions for Use

ProHensor® VCAL™ Specifications

Detailed dimensional drawings are available online at MarinsMed.com.

Specification	Detail
Weight	297g (0.65 lbs / 10.48 oz) complete with fingers
Maximum Opening (Wide Grip)	3 in (7.6 cm)
Maximum Opening (Narrow Grip)	1.25 in (3.2 cm)
Thread	1/2 in - 20
Configuration	Left or right side, set during fitting
Compatibility	Standard body-powered harness systems, common wrist units, quick-disconnect systems

Directions for Use: Function and Modes

The ProHensor VCAL is a voluntary-closing terminal device with Secure Auto-Locking and three user-selectable modes. Because it is voluntary closing, the user determines the amount of force applied to the object while the fingers are closing.

Modes are selected using the switch located on the faceplate near the center screw. The switch may face up or down depending on which side the device is used. Whenever a mode change is desired, the fingers should be completely closed prior to changing mode selections with the switch.

Switch Position	Mode	Function
#1 Farthest forward toward fingers	Wide Grip - Secure Auto-Locking	Fingers open to 3 in (7.6 cm)
#2 Middle location	Narrow Grip - Non-Locking (VC-Only)	For repetitive grasp and release tasks
#3 Farthest back toward wrist	Narrow Grip - Secure Auto-Locking	Fingers open to 1.25 in (3.2 cm)

General Operation (Secure Auto-Locking Modes #1 and #3)

- To grasp and lock: apply pull force on the cable until the desired grip force is achieved, then release tension on the cable. The object remains locked in grasp.

- To unlock and release: apply a momentary pull on the cable, then immediately release tension. The fingers automatically return to the fully open position.
- After each grasp, the fingers must be unlocked and opened completely to reset the locking system.

Care & Maintenance

- Clean the device with a damp cloth as needed.
- An annual evaluation by a certified prosthetist is recommended.
- Only qualified professionals should open the device housing and follow Marins instructions for LockCore service.
- An air compressor may be used to blow off external debris. Internal grease should be left in place.

Section 8: Warranty & Service Overview

ProHensor® VCAL™ Limited Warranty

Fingers and external components are wear-prone components. Defects in materials or workmanship are covered, while normal wear is not.

Warranty Terms

Coverage	Term	Notes
Standard Limited Warranty	12 months	Covers the VCAL device including LockCore for defects in materials and workmanship under normal use.
Additional Housing Coverage	24 months	Covers structural defects in outer housing only.

LockCore™ Serviceability

The ProHensor VCAL features a clinic-serviceable LockCore mechanism that can be maintained or replaced by a certified prosthetist without requiring full device replacement.

- extends device lifespan
- minimizes user downtime
- reduces long-term ownership costs
- replacement LockCore cartridges are available from Marins, Inc.

Complete warranty documentation is available online at MarinsMed.com. Contact Admin@MarinsMed.com for warranty claims.

Section 9: Contact & Resources

Marins, Inc.

Website: MarinsMed.com

Email: Admin@MarinsMed.com

Online Resources

- UD redacted clinic report excerpt
- Product Specifications and dimensional drawings
- Directions for Use
- CE Courses

Scan to visit MarinsMed.com