ProHensor® Reimbursement

Reference Guide

Disclaimer, General Nature of Reimbursement Guide

This Reimbursement Guide (Guide) is intended to provide general information to assist you in invoicing and receiving payment from third-party payers for the provision of the applicable orthotic or prosthetic (O&P) device or component (the Product) you purchase from MARINS and provide to your patient. However, you as a certified O&P clinician, O&P patient care facility [or DME provider], as applicable (the Provider), are fully responsible for accurately billing for the Product, as well as to establish medical necessity, ensure payer coverage criteria are met, and use appropriate HCPCS codes, modifiers and charges for the applicable Product and related services.

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Your use of the information and advice contained in this Guide is at your sole choice and risk. You should not rely on the provided information or advice as a substitute for, nor does it replace, your own informed judgment and responsibility. Suggested HCPCS coding is provided for reference only. It is your responsibility as the Provider submitting the claim to determine and submit correct coding that conforms with all the established rules and regulations of the applicable payer. We recommend that you contact the applicable payer for coding and coverage guidance prior to delivering the Product to your patient and submitting the related claim. This Guide is based upon what we believe is reasonable judgment regarding coverage and claim submission, but it does not replace your responsibility in that regard as the Provider of the Product to your patient.

The Product information included in this Guide is intended for general information purposes only. It is not intended as advice with respect to the appropriateness of the use of the Product for any patient.

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MARINS may, but undertakes no responsibility to, update this Guide from time to time.

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ProHensor® User Profile

The ProHensor® is a **body-powered, voluntary-closing, and locking terminal device** designed for upper-limb amputees with amputation at the wrist or higher. Built for **strength, durability, and precision**, the ProHensor is ideal for individuals who require high-performance **grip feedback**, whether for **powerful grip force or precise control** in work and daily activities.

For individuals who need grip modulation and controlled force application not possible with other body powered devices, or to complement their myoelectic device with a reliable and durable device, the ProHensor offers a practical alternative. It allows users to intuitively modulate grip force with feedback, enhancing function in industrial, trade, and hands-on professions. The **self-actuated locking mechanism** enables users to maintain hold without continuous effort, reducing fatigue. Additionally, the locking mechanism is easily field-serviceable, ensuring users who rely on their prosthesis for work can quickly **replace worn parts without long downtimes**.

The ProHensor also allows users to maintain grip close to the body, increasing the functional **"working envelope."** This improves efficiency in lifting, carrying, and tool use, particularly in confined or ergonomically demanding tasks.

Designed for those with an active lifestyle and demanding occupational needs, the ProHensor excels in a variety of Activities of Daily Living (ADLs):

Activities Where the ProHensor Excels

Heavy-Duty Work & Daily Activities

- **Trades & labor:** Construction, mechanical work, plumbing, electrical tasks
- **Hand & power tools**: Wrenches, drills, hammer drills, reciprocating saws
- **Yard & maintenance:** Shoveling, raking, lifting, using motorized landscaping tools

Tasks Involving Vibration & Harsh Environments

- **Outdoor & industrial work:** Working in the rain, exposure to dirt and sawdust
- **Machinery operation:** Jackhammers, sanders, chainsaws, impact wrenches

Secure Grip for Strength & Endurance

- **Carrying and lifting:** Heavy objects, suitcases, tools, work equipment
- **Recreational use:** Hiking, cycling, activities requiring sustained grasp

The ProHensor is suited for users who need **grip force modulation, environmental durability, and serviceability** beyond what lighter-duty or non-locking models provide.

PDAC

The established base code for a mechanical voluntary closing heavy duty hook/hand covered by Medicare is L6722. Any hook/hand billed with this code must have received PDAC verification to allow coverage of the item. The ProHensor® has multiple features and benefits that are well beyond the L6722 predicate device and therefore has not been PDAC reviewed or designated to be L6722.

L6722 TERMINAL DEVICE, HOOK OR HAND, HEAVY DUTY, MECHANICAL, VOLUNTARY CLOSING, ANY MATERIAL, ANY SIZE, LINED OR UNLINED.

HCPCS Coding for the ProHensor®

Because the ProHensor is beyond the predicate L6722 and has not been PDAC verified, the appropriate code for this mechanical terminal device is L7499 - Upper Extremity Prosthesis, not otherwise specified.

L7499 PROHENSOR® | The ProHensor, a body-powered, voluntary-closing terminal device, with grip modulation with proprioceptive feedback; self-actuated replaceable locking mechanism; features three operational modes—wide grip, narrow grip, and voluntary-closing only mode that disengages the locking mechanism for repetitive tasks; designed for high-strength, sustained grip and controlled force application; field-serviceable locking system; durable for heavy-duty, and vibration tasks; suitable for industrial, trade, and hands-on professions; resistant to dirt, sawdust, and moisture exposure.

Expanded Definition

The ProHensor is a body-powered, mechanical voluntary-closing terminal device designed for upper-limb amputees at the wrist or higher. It allows for grip modulation with proprioceptive feedback, enabling users to control grip force through cable tension. The self-actuated locking mechanism provides a secure hold without continuous effort and is field-serviceable, allowing for quick replacement to minimize downtime.

The ProHensor features three operational modes: wide grip for handling larger objects or tools, narrow grip for precision tasks and smaller objects, and voluntary-closing only mode, which disengages the locking system for repetitive tasks requiring quick release.

Designed for high-strength, sustained grip and controlled force application, the ProHensor is built for heavy-duty, and vibration tasks. It is well suited for industrial, trade, and hands-on professions, including construction, mechanical work, and manual labor. Rated for medium to heavy activities of daily living, it supports tasks such as operating power tools, mowing lawns, lifting up to 30 kg, and working in high-dust environments. Resistant to dirt, sawdust, and moisture exposure, the ProHensor provides a durable and reliable solution for individuals requiring a robust and serviceable prosthetic device.

Product Description / Differentiation

The ProHensor® has these features and benefits that extend beyond the predicate **L6722 HCPCS** device. Until CMS establishes appropriate HCPCS codes and coding guidance, **L7499 NOC** remains the recommended HCPCS code for the ProHensor:

- **Voluntary-closing with self-actuated locking mechanism** for a sustained effortless grip without fatigue
- **Three operational modes**: wide grip, narrow grip, and voluntary closing only mode for repetitive tasks
- **Proprioceptive grip feedback** for intuitive force modulation and controlled grasping
- **Field-serviceable locking system** for quick replacement and minimal downtime
- **Increased working envelope** by maintaining grip close to the body for better control and ergonomics
- **Designed for high-strength, sustained grip** in heavy-duty, vibration environments
- **Compatible with existing body-powered harness systems** for seamless integration
- **Durable and resistant to dirt, sawdust, and moisture** for rugged work and outdoor conditions
- **Rated for medium to heavy-duty ADLs**, including power tool operation, lifting up to 30 kg, and outdoor labor

Benefits to the Wearer

Voluntary-Closing with Self-Actuated Locking Mechanism

The ProHensor enables users to apply grip force proportionally through cable tension, providing real-time proprioceptive feedback. The self-actuated locking mechanism allows users to maintain a secure grasp without sustained effort, reducing fatigue. This is particularly beneficial for prolonged tasks requiring firm grip strength, such as carrying heavy objects, using hand tools, or engaging in repetitive gripping motions.

Three Operational Modes: Wide Grip, Narrow Grip, and Voluntary-Closing Only Mode

The ProHensor features three distinct grip settings to enhance versatility. Wide grip is designed for handling larger objects and tools, narrow grip allows for precision tasks and secure grasping of smaller items, and voluntary-closing only mode disengages the locking mechanism for tasks requiring quick repetitive releases. These modes provide greater adaptability in both work and daily activities.

Proprioceptive Grip Feedback for Intuitive Force Modulation

Unlike myoelectric or voluntary-opening devices, the ProHensor allows users to feel resistance through the harness and cable system as they apply grip force. This proprioceptive feedback provides intuitive control over grip strength, helping users grasp delicate objects securely or apply greater force when needed. This improves fine motor precision while reducing unintended slips or excessive force application.

Field-Serviceable Locking System for Minimal Downtime

The ProHensor's self-actuated locking mechanism is easily replaceable, allowing users who rely on their prosthesis for work to quickly replace worn components in the field without prolonged downtime. This ensures continued functionality and reliability in demanding environments.

Increased Working Envelope for Enhanced Ergonomics

The ProHensor enables users to maintain grip close to the body, improving biomechanics and expanding the functional working envelope. This reduces the need for excessive shoulder and trunk compensations, allowing for more natural and efficient movements during lifting, carrying, and tool use.

High-Strength Grip for Heavy-Duty, Vibration Environments

Designed to withstand rigorous use, the ProHensor is optimized for activities involving sustained high-force grip, and exposure to vibration. Users can confidently operate power tools such as drills, hammer drills, and chainsaws, making it suitable for industrial, construction, and trade professions.

Compatibility with Existing Body-Powered Harness Systems

The ProHensor integrates seamlessly with standard body-powered harness systems, ensuring a familiar and effective setup for experienced users. This makes transitioning to the device easy while providing the benefits of enhanced grip strength and a locking function.

Durability and Resistance to Dirt, Sawdust, and Moisture

Built for rugged environments, the ProHensor resists debris, sawdust, and moisture exposure. This durability makes it well-suited for users working in construction, woodworking, landscaping, or other outdoor settings where environmental exposure is unavoidable. Note: the device is **not rated for submerged activity** at this time.

Rated for Medium to Heavy-Duty ADLs

Unlike many terminal devices limited to light-duty tasks, the ProHensor is rated for medium to heavy-duty activities of daily living. This includes using power tools, lifting up to 30 kg, performing outdoor labor, and working in high-dust environments. The durability and strength of the ProHensor enable users to engage in a wide range of occupational and personal activities with confidence.

Replaceable Locking Cartridge

The ProHensor®'s replaceable locking cartridge is a critical component designed for ongoing reliability and serviceability. As part of the self-actuated locking system, the cartridge enables the device to maintain a secure grasp without continuous effort. Over time and with heavy use, the locking mechanism may experience wear—this cartridge allows the user or prosthetist to restore function quickly and efficiently without replacing the entire terminal device.

HCPCS Code

There is currently no specific PDAC-approved code for the replaceable locking cartridge, as this is a **proprietary and patented technology** that does not currently exist elsewhere in prosthetics. Until CMS establishes a new code or provides specific guidance, **L7499** (Upper Extremity Prosthesis, Not Otherwise Specified) is the most appropriate designation. Providers should include detailed product descriptions and supporting documentation when billing to explain the cartridge's essential function in restoring grip-locking capability to the ProHensor® terminal device.

L7499 – Upper Extremity Prosthesis, Not Otherwise Specified

It is important to include:

- A detailed description of the cartridge
- Its role in restoring locking function
- Why it is medically necessary for the user
- Pricing documentation or invoice as required by the payer

Key Features
- Field-replaceable to minimize prosthesis downtime
- Restores locking function for sustained grip
- Reduces user fatigue in professional and high-activity environments
- Compatible with all ProHensor devices
- Supports long-term prosthetic maintenance and reliability

Documentation Tips
To ensure reimbursement, include:
- Documentation of locking function wear or failure
- A prosthetist's letter of medical necessity
- Description of the user's occupational or lifestyle need for locking grip
- Proof that the replacement will restore prosthetic functionality
- Explanation of why a full device replacement is unnecessary

FDA Status

Under FDA's regulations, the ProHensor is a Class I medical device exempted from the pre-market notification [510(k)] requirements. Given the low risk of Class I medical devices, the FDA determined that General Controls are sufficient to provide reasonable assurance of the device's safety and effectiveness. The ProHensor is appropriately FDA registered under External Limb Prosthetic Component; Section 890.3420; Product Code IQZ.

ProHensor Limited Warranty

Warranty Coverage
Marins warrants the ProHensor terminal device to be free from defects in materials and workmanship under normal use for a period of eighteen (18) months from the original date of purchase. The Replaceable Locking Cartridge, whether sold as part of the complete device or individually as a serviceable component, is warranted for six (6) months from the date of shipment.

Note: The fingers of the ProHensor are considered extraneous and wear-prone components and are not covered under this Limited Warranty.

If a covered defect or malfunction occurs during the warranty period, and is not the result of exclusions outlined below, Marins will, at its sole discretion, repair or replace the product or component with a new or reconditioned part of comparable function. All warranty determinations are made solely by Marins.

Shipping Responsibilities
Customers are responsible for shipping the product to Marins for inspection. If the warranty applies, Marins will cover return shipping.

Definition of Normal Use

"**Normal use**" refers to operation of the ProHensor as a body-powered terminal device in activities of daily living and light to moderate physical tasks. It assumes the device is used with appropriate prosthetic components and within the functional design limits as instructed by Marins or a certified prosthetist.

This includes:

- Daily household and occupational tasks such as lifting, grasping, manipulating objects, and recreational use appropriate for the device.
- Use within environments typical of daily life and work settings.

Normal use **excludes**:

- Activities that would cause damage to a biological limb (e.g., blunt force, crushing, high-torque tasks).
- Exposure to chemicals such as chlorine, salt, acid, or other corrosive agents.
- Prolonged or extreme environmental exposure (e.g., temperatures below -5°C or above 50°C).
- Submersion in water; the device is not rated for submerged activity at this time.

Exclusions

This warranty does not cover:

1. Normal wear and tear, including but not limited to surface scratches, scuffs, or changes in appearance.
2. The fingers of the ProHensor.
3. Use, fabrication, installation, or servicing outside of Marins' instructions or recommendations.
4. Damage resulting from misuse, neglect, abuse, impact, or improper operation.
5. Modifications made to the device or any of its components without prior written approval from Marins.
6. Damage caused by exposure to chemicals, abrasives, or unsuitable environmental conditions.
7. Prosthetic fitting or clinical services related to the device.

Appendix:

Coding Descriptors

L7499 PROHENSOR® Justification: The ProHensor is a body-powered, mechanical voluntary-closing terminal device designed for upper-limb amputees at the wrist or higher. It allows for grip modulation with proprioceptive feedback, enabling users to control grip force through cable tension. The self-actuated locking mechanism provides a secure hold without continuous effort and is field-serviceable, allowing for quick replacement to minimize downtime.

The ProHensor features three operational modes: wide grip for handling larger objects or tools, narrow grip for precision tasks and smaller objects, and voluntary-closing only mode, which disengages the locking system for repetitive tasks requiring quick release.

Designed for high-strength, sustained grip and controlled force application, the ProHensor is built for heavy-duty, vibration tasks. It is well suited for industrial, trade, and hands-on professions, including construction, mechanical work, and manual labor. Rated for medium to heavy activities of daily living, it supports tasks such as operating power tools, mowing lawns, lifting up to 30 kg, and working in high-dust environments. Resistant to dirt, sawdust, and moisture exposure, the ProHensor provides a durable and reliable solution for individuals requiring a robust and serviceable prosthetic device.

ProHensor Functional Activities

Feature	Wearer Benefit	Example ADLs Impacted
Voluntary-Closing with Self-Actuated Locking Mechanism	Provides sustained grip without continuous effort, reducing fatigue. Users can apply force proportionally, receiving proprioceptive feedback for controlled grasping.	Holding and carrying heavy objects, sustained tool use, gripping and securing materials, prolonged manual labor.
Three Operational Modes: Wide Grip, Narrow Grip, and Voluntary-Closing Only Mode	Allows for versatility in object handling—wide grip for large objects, narrow grip for precision, and VC-only mode for repetitive quick-release tasks.	Handling tools, gripping small fasteners, holding a steering wheel, sorting objects, lifting varying loads.
Proprioceptive Grip Feedback for Intuitive Force Modulation	Users receive real-time feedback through harness tension, improving grip control and preventing accidental drops or excessive force.	Holding delicate objects like glassware, threading bolts, handling small electronics, adjusting tool grip strength.
Field-Serviceable Locking System for Minimal Downtime	Locking mechanism can be quickly replaced in the field, preventing prolonged work interruptions.	Industrial and trade work, jobsite tool use, professions requiring constant prosthesis function.
Increased Working Envelope for Enhanced Ergonomics	Maintains grip close to the body, reducing strain on the shoulder and improving efficiency in lifting and carrying.	Carrying objects close to the torso, using tools at different heights, holding materials for assembly work.
High-Strength Grip for Heavy-Duty, Vibration Environments	Designed to withstand vibration, and sustained high-strength applications.	Operating power tools such as drills, hammer drills, chainsaws, and jackhammers, handling construction materials, using heavy-duty wrenches.
Compatible with Existing Body-Powered Harness Systems	Seamlessly integrates into common prosthetic setups, making it easy to adopt without additional specialized components.	Transitioning from a conventional body-powered hook, upgrading from a non-locking device.
Durability and Resistance to Dirt, Sawdust, and Moisture	Suitable for environments where debris and moisture would typically affect prosthetic performance.	Woodworking, construction, landscaping, farming, handling wet or dusty materials, outdoor labor.
Rated for Medium to Heavy-Duty ADLs	Unlike lighter-duty prosthetic hands, the ProHensor supports high-force and physically demanding activities.	Lifting up to 30 kg, shoveling, mowing lawns, using hand and power tools, sustained grasping tasks.

Sample Letter of Medical Necessity
ProHensor Terminal Device

[Prosthetist's Clinic Letterhead]

[Date]

To Whom It May Concern:

I am writing to request authorization and reimbursement for a ProHensor terminal device, a voluntary-closing, body-powered prosthetic terminal device with an integrated user-controlled locking mechanism. This device is being prescribed for my patient, [Patient Name], an upper-limb amputee who requires a prosthesis that supports sustained grip, adjustable force, and reduced fatigue during prolonged activities.

The ProHensor is designed for daily and occupational use, offering a user-centered approach to upper-limb prosthetics. Its voluntary-closing mechanism allows intuitive grip control, while the locking function enables users to maintain a grasp without continuous cable tension—an important factor in reducing overuse strain and improving long-term comfort.

Justification of Medical Necessity:

- My patient performs moderate to high-activity tasks and needs a prosthetic device that supports sustained grip and allows for grip modulation.
- The locking mechanism provides a critical functional advantage by reducing the need for constant cable tension, improving endurance, and enabling multitasking.
- The ProHensor improves patient outcomes by addressing cited causes of prosthetic abandonment, including fatigue, and lack of intuitive function.
- The device is durable, field-serviceable, and designed to be compatible with standard harness systems and wrist units.
- This solution is clinically appropriate for my patient's lifestyle, activities of daily living (ADLs), and occupational demands.

Billing Information:

- Device: ProHensor Terminal Device
- HCPCS Code: L7499 – Not Otherwise Classified, Upper Limb Prosthetic Component
- Invoice: [Attach invoice here]

Based on clinical evaluation and functional goals, I believe the ProHensor is the most appropriate and medically necessary terminal device for this patient. Please contact me directly if further documentation or clarification is needed.

Sincerely,

[Prosthetist Name, Credentials]

Sample Letter of Medical Necessity
For Replaceable Locking Cartridge – ProHensor Terminal Device

[Prosthetist's Clinic Letterhead]

[Date]

To Whom It May Concern:

I am requesting reimbursement for a Replaceable Locking Cartridge for use with the ProHensor® terminal device, a body-powered upper-limb prosthesis used by my patient, [Patient Name].

The Replaceable Locking Cartridge is an internal component that restores the ProHensor's user-actuated locking mechanism. This function is essential to the ProHensor's clinical value—it enables users to maintain a grip without sustained cable tension, reducing upper body fatigue and improving task performance in both daily life and work settings.

Justification of Medical Necessity:

- The current cartridge has experienced mechanical wear due to extended, appropriate use.
- Locking function degradation has impaired the prosthesis's ability to maintain grip, reducing its intended performance.
- The locking mechanism is necessary for the patient's daily functional independence and occupational activities, which require a sustained and reliable grasp.
- Replacement will restore full prosthetic function without requiring replacement of the entire terminal device.
- The part is designed for routine prosthetic maintenance and supports long-term device use with minimal downtime.

Billing Information:

- Component: Replaceable Locking Cartridge
- Device: ProHensor Terminal Device
- HCPCS Code: L7499 – Not Otherwise Classified, Upper Limb Prosthetic Component
- Invoice: [Attach invoice here]

This replacement is clinically appropriate and medically necessary to maintain the prosthesis's function and the patient's quality of life. Please contact me with any questions or requests for additional documentation.

Sincerely,

[Prosthetist Name, Credentials]