

ToughWare Prosthetics

PRODUCT DETAIL & CODING SUGGESTIONS



Product Description: ToughWare’s unique Equilux™ VO/VC Terminal Device (TD) is designed for upper-limb amputees who desire much more versatile grasp to cover life’s spectrum of activities. Combining reliable cable-actuation (body power), mechanically simple design, low weight carbon-fiber composite frames, and replaceable compliant gripping pads, the Equilux™ delivers excellent grasping performance.

How it Works: ToughWare’s patented grasping engine (US Pats. 9,474,631 and 9,737,418) exploits geometric symmetry and differential elastic strain to give users voluntary opening (VO) and voluntary closing (VC) grasping modes they can select as needed “on the fly”. Selection is made by moving or “flipping” a cable actuation lever between upper/anterior (VO) and lower/posterior (VC) positions.

Features & Patient Benefits:

- VO mode delivers approximately 5 lbf (2.3 kg) tip-pinch force for secure holding power.
- VC mode permits generating high tip-pinch forces while preserving physiological proprioception.
- Switchable grasping modes increase energy efficiency, reducing user fatigue and risk of repetitive stress injury.
- Switchable grasping modes increase comfort and equipment life by reducing average socket and harness pressures.
- Replaces two TDs and at least one quick-disconnect insert, eliminating the inconvenience and cost of carrying extra hardware.
- No burdensome TD exchanges or detaching and re-attaching control cables.
- Robust design withstands heavy-duty service and exposure to water, dust, bodily fluids, and many household chemicals.
- No ongoing expense for delicate, easily damaged gloves.
- Gripping pads and tension cord are replaceable in the field and do not require sending units in for service.
- Low weight (9.1 oz / 258 g) is ideal for amputees who cannot tolerate heavier devices.



Applicable Base Coding:

L6721 (\$2,274) — Terminal device, hook or hand, heavy duty, mechanical, voluntary opening, any material, any size, lined or unlined.

Additional Miscellaneous Code:

L7499 (\$500) — Addition to terminal device, user-selectable voluntary opening and voluntary closing feature.

Note: Codes listed herein are merely suggested. Actual codes submitted for documentation and reimbursement requests are the responsibility of the submitting practitioner.