

## **Suspension Locking Mechanism: Lanyard Strap for Upper Extremity**

Suspension locking mechanism is a term used to describe the way the prosthesis will be attached to the patient's residual limb. The two most commonly used types of suspension locking mechanism are the attachment pin and lock body, and the lanyard strap. The lanyard strap method is often used with transhumeral (above elbow) prostheses. The lanyard is attached to the distal (bottom) end of a silicone or urethane insert. As the patient dons (puts on) the prosthesis, the lanyard is fed through a hole in the bottom of the prosthetic socket, through a buckle on the anterior (front) surface, and secured in place with Velcro.



Photo courtesy of Prosthetic Laboratories



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