TITAN Thumb

Product descriptor

Partial Hand SOLUTIONS, LLC

The TITAN Thumb is comprised of a stainless steel rotational mount, titanium ratchet insert and titanium tip section. The concept of operation is the user would apply pressure to the back of the thumb tip, which would cause the thumb tip to ratchet into flexion. Once the desired position is determined, pressure can be removed from the thumb tip and the tip would be locked in to position. To return the thumb tip back to the extended position, the user would dislocate the tip section from the base by pulling on the tip section. This motion would release a pin in the tip section from the base allowing the finger to move freely. Once the desired position is determined, the pull on the thumb tip can be released and the thumb will engage in the new locked position. The TITAN Thumb include a two-piece rotational base section, two-piece tip section, three replaceable tip sizes, a mount screw, axis screw, spring, steel locking pin, and steel dowels to restrict finger pull distance. The steel axis screw connects the two-piece rotational base and two-piece tip section. The TITAN Thumb was designed for someone missing his or her entire thumb. The thumb tip and base are connected to a prosthetic socket, which is designed by the prosthetic company working with the user. The features of the TITAN Thumb include: a single articulating thumb joint to allow for a conforming grasp around objects, molded thumb tip to allow for precise gripping of small objects, 3 sizes to accommodate many individuals, heavy duty titanium and stainless steel construction for the heavy duty and active user, rotational thumb base to offer positioning the thumb in rotation with adjustable friction and replaceable tips as needed. The intended use of the TITAN Thumb is to provide someone missing his or her entire thumb an option to provide active grasp again. The TITAN Thumb require use of the other hand for thumb tip positioning so if the other hand is affected or non-functional than the TITAN Thumb may be contraindicated.