



MECHANICAL MAGLOCK

Prosthetist Instructions

The **MAGLOCK** was designed to ease the frustration of the PIN lock systems for the low K1 through mid K3 patient. Its design is both simple yet elegant. To replace the pin a magnetic field is used to adhere the liner to the MAGLOCK.

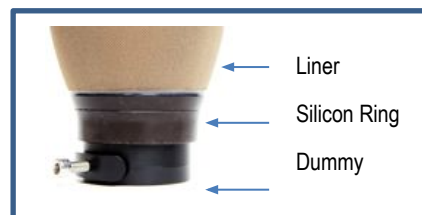
- 60lbs (3180M) or 90lbs (3181MP) of magnetic force gives the patient the security of a pin lock.
- **MAGLiner** is a platinum cured silicone with a 50mm distal target (pin = 8mm target) – ease of sock donning
- Ease of fabrication – puck style design dummy for both thermoplastic and laminates with build height of 2.2cm (3180M) or 2.72cm (3181MP)

MAGLOCK Casting Instructions: **NOTE: 60lb dummy = 3180-1M (2.2cm tall) / 90lb dummy = 3181-1M (2.7cm tall)**

- Apply the **MAGLiner** to the residual limb. The **MAGLOCK 3180-1M** or **3181-1M** dummy has been designed to magnetically adhere to the liner.
- Apply the large hole **silicone ring** over the end of the liner.
- **Silicon rings** have been provided to fit either the **MAGLiner(s)** or distal cap converter to be used on all pin liners.
- THERE ARE TWO DIFFERENT TYPES OF SILICONE RINGS FOR THE MAGLOCK. (*Large hole and Small hole*)
- **The ring(s) with the LARGE hole** are to be used with the **MAGLiners - PREMIER and HYDRO**. Depending on liner umbrella size, fit the appropriate silicone ring size between liner and the dummy.
- **The ring(s) with the SMALL hole** are to be used with the **Distal Cap Converter** (which screws into a regular pin lock liner) Depending on liner umbrella size, fit the appropriate silicone ring size before Distal Cap.

NOTE: SEE ASSEMBLY INSTRUCTIONS FOR DSTC on Back Side of Page.

- Place the **MAGLOCK DUMMY** properly onto the silicone ring at the end of the liner.
- **Cast over the MAGLiner with dummy. This will provide the perfect spacing and alignment of the MAGLOCK. Do not cast over the MAGLOCK - DO NOT CAST BOTTOM HALF TIGHT!**
- **After the cast is taken remove the cast. Remove silicon ring leaving the dummy in the cast**
- **Fill- remove dummy modify – DO NOT REDUCE THE BOTTOM HALF OF THE MOLD!**
- Place dummy on mold - Thermoplastics or Laminates can be formed over the dummy



MAGLOCK General Information:

- **Push cap in** and shift to the *right to turn off* the magnetic force. **Push cap in** and shift to the *left to turn on* the magnetic force.
- Push the button and then slide the handle when turning off the magnetic force.
- Slide to the left until the handle finds the detent that will secure the lock position.
- Use only on a patient who is an appropriate candidate.
- Do not cast over the MAGLOCK. Instead CAST over the laminating dummy.
- Follow laminating guideline instructions.
- Test the suspension of the MAGLOCK before walking.



DO NOT ALLOW THE MAGLOCK TO GET WET
DO NOT ALLOW DUST TO ENTER MAGLOCK



MAGLOCK Assembly Instructions:

- To **REMOVE** the dummy from the lamination or thermoplastic first remove the side plug. Insert the wooden screw to the slide plug & pull.
- Grind four box head fabricating screws flush
- Push the dummy out by tapping on screw heads. Trim the socket
- Test assemble the MAGLOCK components. When inserting the MAGLOCK into the socket, be sure to remove the outer cap only on the slide lever by unscrewing the cap. **DO NOT REMOVE INNER SCREW!**

Carefully place the MAGLOCK in the socket. Be sure to screw the cap back onto the slide lever. **Remember to apply LOCKTITE** to the cap of slide lever. Apply included metal plate before the 4-hole adapter is screwed on.

WARNING: Apply Loctite and 10Nm of torque to all 4 assembly screws for MAGLOCK distal attachment. CAUTION: Do not allow these attachment screws to bottom out, as included screws are for 1/4" socket thickness.

- Test after assembly

MAGLOCK FABRICATION DUMMY

MAGLINER SILICONE RINGS



MAGLiner Silicone Dummy Ring - LARGE HOLE – 2 sizes

DISTAL CAP CONVERTER

Converts any Locking liner into a MAGLiner



Distal Cap Silicone Dummy Ring - SMALL HOLE – 2 sizes

NOTE: If you purchase the DSTC, you must also purchase the 3180-1M or 3181-1M. You will receive 4 Silicone Rings.



Remember to apply **LOCTITE** to the inside of the **cap** of slide lever.

CAP



MAGLOCK FABRICATION

Using the **Distal Cap Converter** which converts any pin lock liner to be compatible with a MAGLOCK

A Distal Cap Converter (DSTC) requires any one of the 2 small hole Silicone Rings that come with the Maglock Dummy kit which is specific for 60lb. or 90lb. Version.



1. First select the correct size that fits nicely over the umbrella of the liner



2. Place and align the silicone ring over the umbrella of the liner



3. Screw the distal cap to secure over the silicone ring for a nice fit



4. Once assembled your liner should look like above image.

Choose the silicone ring that best fits the distal umbrella of the liner you are using

DSTC – metal distal cap converter

Silicone Rings - 2 sizes
Small / Large



Fabrication Dummy
(3180-1M 60lb. dummy
3181-1M 90lb. dummy)



5. Then place assembled onto dummy.
You are now ready to cast.
(Note: use screw for removal of the slot dummy)

3180/3181-1M/DSTC IFU REV. B (11-12-20)