



# 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.

- 90lbs 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.

### MAGLOCK Casting Instructions:

- Apply the **MAGLiner** to the residual limb. The **MAGLOCK** dummy has been designed to magnetically adhere to the liner.
- Apply the **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** is to be used with the **MAGLiners** - PREMIER and HYDRO. Depending on liner umbrella size, fit the appropriate silicone ring size.
- **The ring(s) with the SMALL hole** is to be used with the **Distal Cap Converter** (which screws into a regular pin liner) Depending on liner umbrella size, fit the appropriate silicone ring size. **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 and dummy. This will provide the perfect spacing and alignment of the MAGLOCK. Do not cast over the MAGLOCK**
- **After the cast is taken remove the cast leaving the dummy in the cast**
- **Fill and modify**
- Thermoplastics or Laminates can be formed over the dummy



### MAGLOCK Recommended Lamination:

- Typical TSB
- 1 layer of 1/2oz felt or 2 layers of Perlon or nylon
- 1 layer of (NSP) or Carbon
- 2 layers of nylon or Nyglass.
- 1 layer of (NSP) or Carbon
- 1 layer Perlon or nylon or 2 layers of sheer nylon or equivalent

### MAGLOCK Assembly Instructions:

- To REMOVE the dummy from the lamination or thermoplastic first remove the side plug.
- Grind four box head fabricating screws flush
- Push the dummy out. Trim the socket
- Test assemble the MAGLOCK components.
- Carefully place the MAGLOCK in the socket.

**WARNING: Be sure to accurately apply 10Nm of torque to all 4 assembly screws for MAGLOCK distal attachment. CAUTION: Do not allow these attachment screws to bottom out.**

- Test after assembly

### MAGLOCK General Information:

- **Shift to the right to turn off the magnetic force. 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.
- Cast and modify using standard protocol for locking liner systems. Do not cast over the MAGLOCK. Instead CAST over the laminating dummy.
- Follow all laminating instructions and use only the recommended materials.
- Test the suspension of the MAGLOCK before walking.
- DO NOT ALLOW THE MAGLOCK TO GET WET

### **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. You will receive 4 Silicone Rings.



# MAGLOCK FABRICATION

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

The Distal Cap Converter (DSTC) comes with 2 Silicone Rings  
**Small / Large**



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



5. Then place assembled onto dummy.  
You are now ready to fabricate.



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