

# Majicast

## Quick Clinical Guide

Fitting process overview







# MAJICAST CLINICAL USER GUIDE – FITTING PROCEDURE

This guide provides an overview of the standard fitting procedure using the Majicast system and highlights key considerations for different socket fittings.

**Note:** This guide is intended for use by trained healthcare professionals. Clinical judgment remains essential throughout the fitting and alignment process.

## 1. Patient and Socket Preparation

### Patient Preparation

- Explain the fitting process and expected patient involvement.
- Demonstrate the procedure with a brief trial of weight shifting and positioning.
- Ensure the patient understands how to use the parallel bars and patient handle for support.

### Socket Preparation

Heat the socket according to the manufacturer's instructions before fitting.



## 2. Residual Limb Preparation

- Position the spacer pads if required.
- Apply the patella spacer.
- Apply the liner according to standard clinical practice



## 3. Apply Casting Barrier and Release Agent

- Apply the casting barrier over the liner.
- Apply the casting release gel over the casting barrier.

 Failure to apply the casting barrier and release gel may make socket removal difficult after fitting.



 **Casting barriers are not provided by Amparo.**  
They must be purchased separately and used in every fitting.

## 4. Prepare and Cut the Socket

- Do anterior and posterior cuts.
- Stretch the socket gently to facilitate donning.



## 5. Fit the Socket

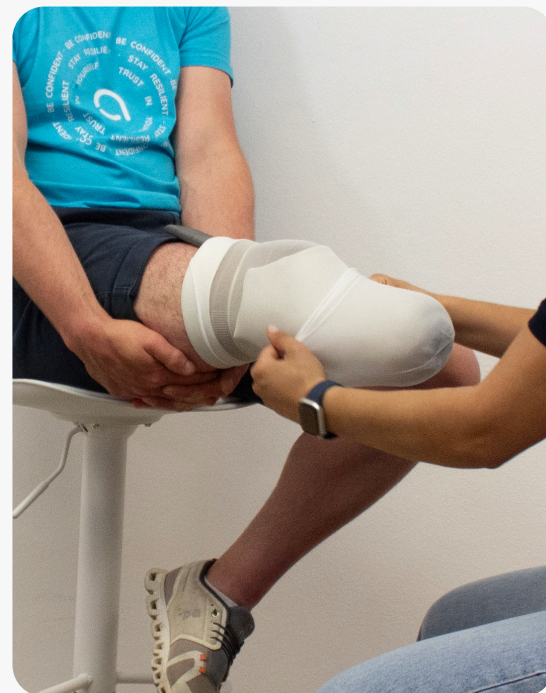
- Fit the socket onto the residual limb. Make sure that the first point of contact is the distal end.
- At this stage, proceed according to the selected socket type.

### Socket-Specific Guidance

#### Trust Socket

After fitting the socket:

- Apply a double layer of molding textile.
- Stretch the textile firmly to avoid wrinkles.
- Secure the textile proximally to prevent socket migration when transitioning from sitting to standing.



## Resilience Socket

Use the Majicast Casting Sleeve (MCS) during all Resilience socket fittings. The MCS does not create, guarantee, or replace final prosthetic alignment. Final alignment remains the responsibility of the clinician.

### Step 1 – Prepare According to the Suspension Type

#### Pin Lock Suspension

1. Apply the casting barrier and casting release gel.
2. Screw the distal attachment pin into the distal end of the liner.

3. Fit the socket onto the residual limb.

4. Attach the distal anchor to the distal attachment pin.
5. Position the Resilience anchor as required.

#### Passive or Active Valve Suspension

1. Apply the casting barrier and casting release gel.
2. Fit the socket onto the residual limb.
3. Position the Resilience anchor as required.



### Step 2 – Apply the Majicast Casting Sleeve (All Suspension Types)

1. Place the MCS over the anchor, ensuring it sits flush.

2. Carefully roll the sleeve proximally over the socket.

3. Eliminate wrinkles and ensure even tension throughout the sleeve.



The MCS is designed to assist in maintaining the clinician-selected anchor position during fitting. It does not establish or correct alignment.



## 5. Position the Patient in the Majicast

1. Insert the residual limb into the Majicast chamber until the patella spacer contacts the membrane.
2. Begin pulling the pulley cord while asking the patient to gradually lower themselves into position.
3. Once you cannot pull anymore, activate Soft Tissue Control using the side button.
4. Re-tension the pulley cord.



- At this point, instruct the patient to place full weight on the limb inside the Majicast system.
- Use the parallel bar and patient handle to maintain stability.
- Ensure the patient maintains an upright posture.
- Ask the patient to look straight ahead.
- Proper weight bearing and positioning are critical for optimal results.

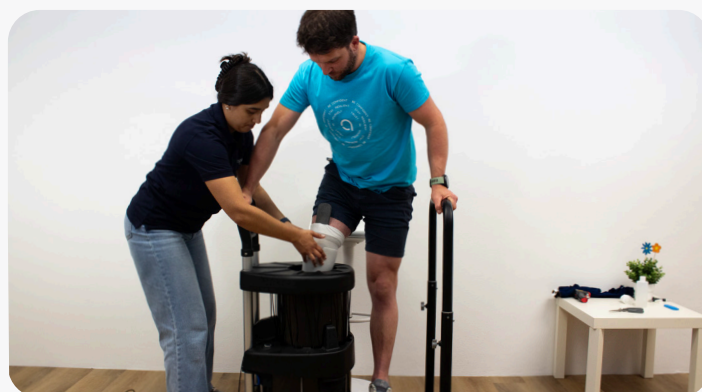
## 6. Hydrostatic Fitting

- Ask patient to maintain full weight bearing on the fitted limb.
- Allow approximately 2–3 minutes for the socket to cool down.



## 7. Release and Removal

1. Ask the patient to gradually transfer weight to the contralateral limb while keeping the residual limb inside the Majicast.
2. Carefully release tension on the pulley cord.
3. Instruct the patient to continue unloading the limb while slowly removing the residual limb from the Majicast.
4. Remove the socket.



# SOFT TISSUE CONTROL RESET PROCEDURE

After each fitting, reset the Soft Tissue Control system to prepare it for the next use.

1. Carefully grab near the bottom of the membrane inside the tank.

2. Gently pull the membrane upward while pressing the Soft Tissue Control valve.

3. Continue pulling until no more air can be heard entering the system.



4. While still pressing the valve, release the membrane.

5. Release the valve approximately two seconds after letting go of the membrane.

The Soft Tissue Control system is now reset and ready for the next fitting.

Follow all instructions to ensure success in socket fabrication. Do not hesitate if needed to re-heat a socket instead of compromising patient care.

Contact your Amparo Prosthetics trainer if any help is required.



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