

# TIPS FOR MEASURING CUSTOM BRACES

Have patient standing (If patient is sitting ensure leg is in full extension & foot is Dorsiflexed)

## STEP 1 - LANDMARK THE LEG

### JOINT SPACE

1. Draw a line at medial joint space
2. Draw a line across the patella 2cm (3/4") above joint space = joint axis (approx mid-patella)

### TIBIAL CREST

3. Mark the Tibial Tuberosity & extend line to 15cm (6") below the Tibial Tuberosity

### ANY SPECIAL MARKINGS

4. Prominent Fibular Head, etc.

## STEP 2 - TAKE MEASUREMENTS

### CIRCUMFERENCES

- 15cm (6") Above Joint Axis
- 7.5cm (3") Above Joint Axis
- 15cm (6") Below Joint Axis
- 7.5cm (3") Below Joint Axis

### CALIPER AT THE ML (Joint Axis)

- Use Constant Force Caliper if available
- Take M/L measurement with slight compression of the tissue
- If not using constant force caliper Increase compression on 'fleshy' legs

Note: If your patient has atrophied or swollen knee that is likely to change repeat **Step 2** measurements of opposite limb for comparison.

## STEP 3 - PHOTOGRAPHS (ensure photos are taken against a blank/ contrasting background)

- Align camera at Mid Knee (do not tilt the camera)
- Capture 20cm (8") above & below Mid Knee
- Ensure Patient:
  - Is standing comfortably in full extension (not locked out) and in uncorrected position
  - Has equal weight distribution - leg as straight as possible
  - Has shoes removed
- Check the pictures before the patient leaves

\*OA braces have standard correction of 4°. If you require an alternate correction specify angle on order form.

### ANTERIOR PHOTO

- Ensure the photo is taken in the line of progression (equal view of medial & lateral contours)

### LATERAL PHOTO

- Ensure leg is vertical with opposite limb out of image (consider using a sheet between legs to hide opposite limb)

### ADDITIONAL PHOTOS

- Include photos of any special conditions. Eg. Prominent fibula head, scar tissue etc.

## STEP 4 - BILATERAL BRACES

For Bilateral brace orders, repeat steps 1-3 on opposite leg

## STEP 5 - SUBMIT MEASUREMENTS

Scan the measurement form and email the form and photos to [infomelbourne@ossur.com](mailto:infomelbourne@ossur.com)



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