

5. Diagonal M-L Measurement

You will need: **1 2b 4**

Keep the ramus angle attachment (4) positioned at the tuber, reduce the angle to 0°, and open the ruler (1) further. Bring the measuring leg (2b) to the musculus rectus femoris, and take the measurement at the height of the "zero-position".

⚠️ Position the ruler perpendicular to the axis of the residual limb.

6. Muscular M-L Measurement

You will need: **1 2a 2b**

Position the fixed measuring leg (2a) on the inner side of the thigh and the movable measuring leg (2b) 5cm below the "zero-position". Take both the compressed and the clear width.

👍 Depending on your preference, you can also combine a short (3a) and a long (2b) measuring leg for this measurement.

👍 The list according to Long can be used as a guide

⚠️ Position the ruler perpendicular to the axis of the residual limb and parallel to the frontal plane.

7. Flexion, Adduction and Ilium Angle

You will need: **6**

1 Measure the flexion angle laterally along the axis of the residual limb. Position the goniometer in the frontal plane.

⚠️ Avoid lordosis on the person you are measuring.

2 Measure the adduction angle laterally along the axis of the residual limb. Position the goniometer parallel to the sagittal plane.

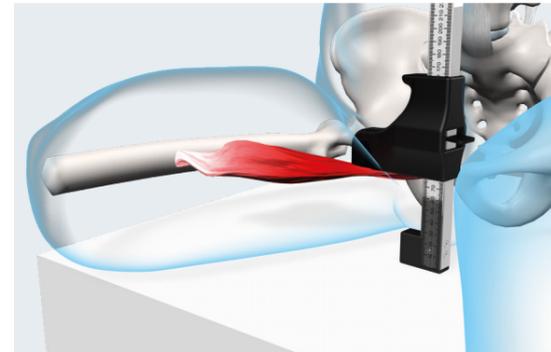
3 Measure the ilium angle starting at the greater trochanter in the direction of the iliac crest on the musculus gluteus medius.

⚠️ Align the pelvis with the transverse plane during steps 2 & 3.

8. Medial and Lateral A-P Measurement

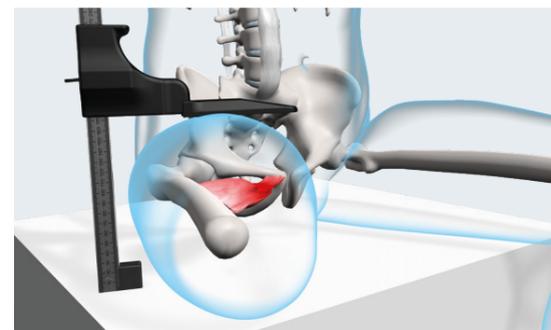
You will need: **1 2b 3b**

1 Using the multifunctional ruler (1), take the medial A-P measurement from an unpadded seat surface. The measuring point is the frontal side of the adductor tendon at the level of the future socket edge.



2 Take the lateral A-P measurement without exerting pressure, using the long measuring leg (2b), from the unpadded seat surface to the musculus rectus femoris at the level of the future socket edge.

⚠️ Position the ruler perpendicular to the seat surface. Make sure the seat surface is completely unpadded throughout.



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Scaleo®

Instructions for Taking Transfemoral Measurements



Description

Our versatile Scaleo Measuring Tool Kit will support you when taking measurements. Special attachments have been developed for determining the ramus angle between 0° and 45° and limb length from the tuberosity. The interchangeable attachments make it possible to take length measurements from 0 mm to 460 mm and can be used for either side of the body without retrofitting. The anatomical design and use of functionally suitable materials both improve the ergonomics and increase comfort for the user.

⚠ Safety

Before using the product, it is necessary to carefully read the general instructions and the directions on how to use the product (chapter "Taking Measurements"). Keep the general instructions and these directions for use in a safe place.

Information

- Ensure physiological body positioning where the pelvis is horizontally aligned.
- Taking measurements on a standing person: Free standing is preferable; if required, aids such as crutches, bars, etc. can be used.
- The „Transfemoral“ measurements sheet can be used for writing down the taken measurements.
- On the Scaleo attachment Ramus angle 0-45° (4), the pivot point is highlighted with a colored mark. This mark indicates the zero-point of the Ramus angle. This makes it possible to take an additional measurement from the zero-point to the measuring leg if required.
- A locking screw is embedded at the front of the handle on the slide of the Scaleo multifunctional ruler (1). Using this screw, it is possible to adjust the sliding resistance of the carriage on the scale. A hexagonal key with width across flats 3 is required for this.
- If you have any questions or require assistance, contact your WJT field representative.

Scope of Delivery



The large case 600 x 400 x 140 mm (REF 60.300.000.01) and the small case 500 x 400 x 80 mm (REF 60.300.000.02) contain:

- 1** Scaleo Multifunctional Ruler (REF 60.300.001.00)
- 2a 2b** Scaleo Measuring Leg Set, measuring depth 300 mm (REF 60.300.002.00)
- 3a 3b** Scaleo Measuring Leg Set, measuring depth 175 mm (REF 60.300.003.00)
- 4** Scaleo Attachment Ramus-Angle 0-45° (REF 60.300.004.00)
- 5** Scaleo Attachment Residual Limb Length (REF 60.300.005.00)
- 6** Scaleo Goniometer (REF 60.300.006.00)
- 7** Air Level (REF 60.300.009.00)

In addition, the following items are included:

Tape measure (REF 90.302.000.00), folding rule (REF 90.302.000.10), protractor (REF 90.302.000.11), Schneider ballpoint pen with WJT logo (REF 90.302.001.01), surface disinfectant, USB stick, gloves (REF 60.412.062.00)

The large case contains additional gloves (REF 60.412.062.00) and a Multigraph pencil (REF 90.302.010.00). Instead of the gloves, the small case contains a compartment which can be used and exchanged as required.

Taking Measurements

Use the following instructions as a guide for measuring a limb with a transfemoral amputation.

1. Length of Residual Limb

You will need: **1 2b 5**

Position the tuber in the bowl of the residual limb length attachment (5). Bring the movable measuring leg (2b) to the distal end of the residual limb and read the length of the limb.

⚠ Position the ruler parallel to the axis of the residual limb.

👍 Can be used with any limb circumference and both on the left and right side.

2. Ischial Plane

You will need: **1 2b 5**

Keep the ruler set to the measured length and position the residual limb length attachment (5) on the outside of the residual limb. Place a marking at the lowest point of the hollow (ischial plane).

This „zero position“ is the reference point for all further measurements

⚠ Position the ruler parallel to the axis of the residual limb.

👍 The “zero position” is usually located below the trochanter major at the trochanteric-subtrochanteric junction.

3. Horizontal Ramus Angle

You will need: **1 2b 4**

Place the ramus angle attachment (4) parallel to the ramus. The rear shell of the attachment should touch the rear edge of the tuber. Bring the measuring leg (2b) to the femur. Adjust the angle indicator of the attachment according to the anatomy and fasten hand-tight.

⚠ Position the ruler perpendicular to the axis of the residual limb and parallel to the frontal plane.

👍 Taking measurements is possible on both the right and left side without retrofitting.

4. Skeletal M-L Measurement

You will need: **1 2b 4**

Keep the ramus angle attachment (4) positioned at the tuber, and take the skeletal measurement at the height of the marked “zero-position”. Compress soft tissue with the measuring leg (2b).

⚠ Position the ruler perpendicular to the axis of the residual limb and parallel to the frontal plane.

👍 Taking measurements is possible on both the right and left side without retrofitting.

