Alignment Recommendations for TF Modular Lower Limb Prostheses

**Polycentric Knee Joints**

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<th>Load Line</th>
<th>Anterior lower axis</th>
<th>30 mm</th>
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Recommended prosthetic foot according to MOBIS for 3R21 / 3R32 – 35 mm

- 1C63 Triton Low Profile or 1C64 Triton Heavy Duty
- 1D35 Dynamic Motion, 1C30 Trias, 1C40 C-Walk, 1M10 Adjust, 1A30 Greissinger plus
- 3R60 EBS / 3R60 EBSPRO

**Monocentric Knee Joints**

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Recommended prosthetic foot according to MOBIS for 3R15 / 3R16 – 10 mm

- 1C63 Triton Low Profile or 1C64 Triton Heavy Duty
- 1D35 Dynamic Motion, 1C30 Trias, 1C40 C-Walk, 1M10 Adjust, 1A30 Greissinger plus
- 3R60 EBS / 3R60 EBSPRO

**Static alignment**

- 3R20 / 3R36 – 35 mm
- 3R21 / 3R30 – 35 mm
- 3R22 / 3R14 – 45 mm
- 3R43 / 3R44 – 45 mm
- 3R80 – 35 mm
- 3R90 / 3R90 – 40 mm

**Bench alignment**

- 3R2 / 3R16 – 15 mm
- 3R22 / 3R14 – 15 mm
- 3R2 / 3R16 – 15 mm
- 3R22 / 3R14 – 15 mm
- 3R2 / 3R16 – 15 mm
- 3R22 / 3R14 – 15 mm

**C-Leg/C-Leg compact**

- 3R15 / 3R16 – 10 mm
- 3R18 / 3R19 – 15 mm
- 3R106 – 30 mm

**Static alignment**

- 3R20 / 3R36 – 40 mm
- 3R21 / 3R30 – 45 mm
- 3R22 / 3R14 – 45 mm
- 3R43 / 3R44 – 45 mm
- 3R80 – 35 mm
- 3R90 / 3R90 – 40 mm

**Bench alignment**

- 3R15 / 3R16 – 10 mm
- 3R18 / 3R19 – 15 mm
- 3R106 – 30 mm

-- "Anterior" = Rückverlagerung

**Supportive Notes:**

- To make use of the functional benefits of the Ottobock lower limbs, correct bench alignment is made using the L.A.S.A.R. Posture. After bench alignment of the transfemoral prosthesis according to the alignment recommendation of the knee joint. Pay attention to the knee ground distance and outward rotation of the knee. (aligner insert is provided for a rotation of 6°). The recommended sagittal position of the alignment reference point: 20 mm above the medial tibial plateau.

- Position the middle of the foot 30 mm anterior to the alignment reference line (observe the alignment recommendations contained in the instructions for use of one knee joint and foot).

- Please refer to the respective instructions for the use of the lower limb.

- Adjust the load height (in the frontal plane) and set correct sagittal orientation of the foot.

- After bench alignment of the transfemoral prosthesis static alignment is made using the L.A.S.A.R. Posture. Align the knee joint and foot as follows:

  - **Rotation** position of the knee joint axis and outward rotation of the foot.
  - **Adduction** position of the socket and M-L position.
  - **Socket flexion** position by verifying step length.

- Please refer to “Dartfish” motion analysis software.

- To make use of the functional benefits of the Ottobock lower limbs, correct bench alignment is made using the L.A.S.A.R. Posture in the L.A.S.A.R. Assembly or in the L.A.S.A.R. Assembly is recommended as well. For polycentric knee joints = rotation axis, the polycentric knee joint = rotation axis in the frontal plane and in the sagittal plane. For monocentric knee joints = rotation axis, the monocentric knee joint = rotation axis in the frontal plane and in the sagittal plane.

- After bench alignment of the transfemoral prosthesis static alignment is made using the L.A.S.A.R. Posture. Align the knee joint and foot as follows:

  - **Rotation** position of the knee joint axis and outward rotation of the foot.
  - **Adduction** position of the socket and M-L position.
  - **Socket flexion** position by verifying step length.

- Please refer to “Dartfish” motion analysis software.

- To make use of the functional benefits of the Ottobock lower limbs, correct bench alignment is made using the L.A.S.A.R. Posture.

- Please refer to “Dartfish” motion analysis software.

- After bench alignment of the transfemoral prosthesis static alignment is made using the L.A.S.A.R. Posture.

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