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# Ottobock Aqualine

Dive in!

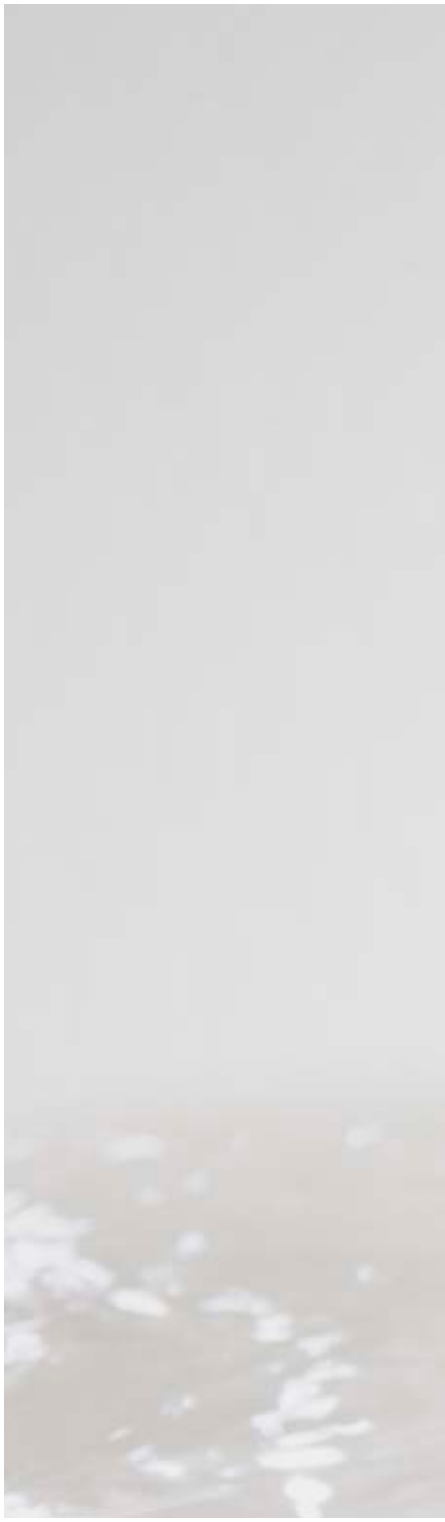
# Quality waterproof walking devices
# Ottobock Aqualine

## Ottobock has optimised components of the modular system specifically for the challenges presented by wet areas, and matched them to each another.

Activities within wet areas present a special challenge to both amputees and non-amputees. Both adjust to this situation by behaving accordingly, e.g. by walking at an appropriate speed. Additionally an amputee will depend on the prosthesis being designed to meet the special challenges faced in these areas, so that the artificial leg can be reliably used.

Aqualine encompasses a comprehensive range of products that include numerous waterproof prosthesis components such as knee joints, feet, and various waterproof parts such as valves, shuttle locks, and liners. This already extensive system has now been supplemented with the addition of a functional and optically pleasing cosmetic solution – the Aqualine Cover.

The components can be combined to form a waterproof modular system that is suitable for amputees up to a body weight of 150 kg.



# Requirements for a waterproof walking device

**Water-resistance**

Prosthesis components must be permanently resistant to water and corrosion, and contact with chlorine or soap should not impair their functionality.

**Safety**

The risk of slipping is especially high in wet areas. Mechanisms for stance phase control are thus particularly important.

**Natural appearance**

Swimwear exposes the prosthesis. High expectations are therefore placed on appearance, which should be as natural and discreet as possible.

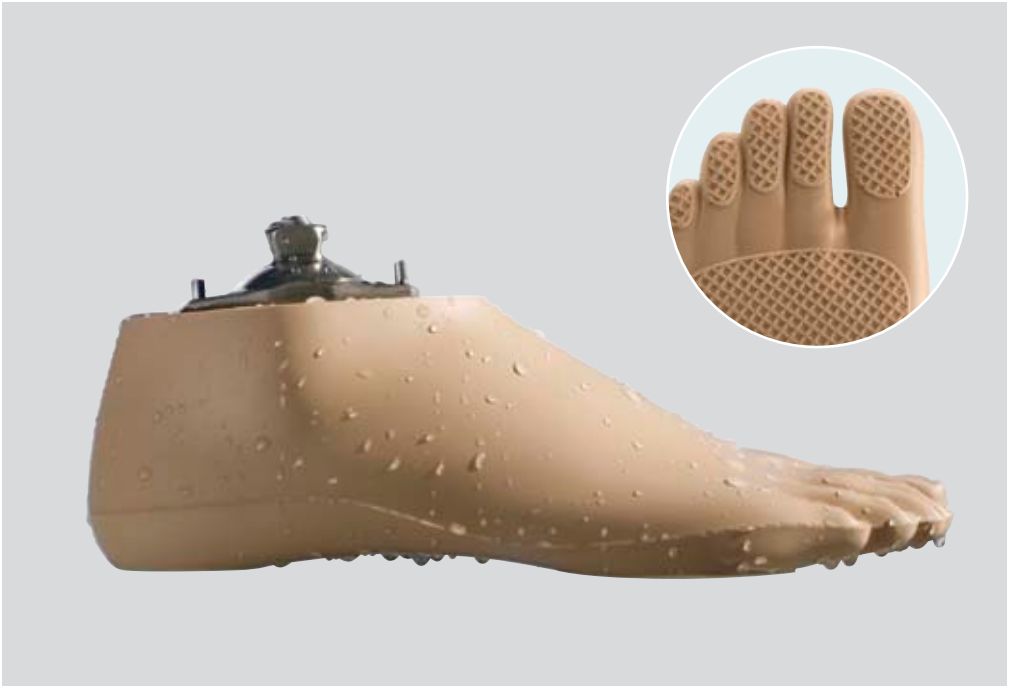

# The unbeatable duo
# Aqua Foot and Aqua Knee


When it comes to functionality, the Aqua Foot and Aqua Knee are a combination of components optimised for use in waterproof walking devices.

The **Aqua Foot** features a high degree of anti-slip functionality and provides an additional level of safety for the stance phase in wet areas.

With its integrated lock, the **Aqua Knee** can be locked on demand for activities in and around water, a feature that also contributes to a more stable stance phase. For using in an unlocked state, the integrated miniature hydraulics serves to adjust the swing phase to the individual requirements of the amputee.

# Aqua Foot and Aqua Knee
# Product features

**3WR95 Aqua Knee**
- Water-resistant
- Monocentric
- Integrated lock for additional stance phase control
- Lightweight design
- Miniature hydraulics based on 3R95 technology
- Individually adjustable swing phase

**1WR95 Aqua Foot**
- Water-resistant
- Very good traction thanks to a special material composition and shape
- Grid-shaped profile on the sole
- Natural shape with defined toes and abducted big toe
- Core with robust multiplex structure; the modular foot version is already factory-sealed against water penetration
- Sole sealed with a plug

# Quality connects
# Adapter and socket options

## Connection option 1

**6A30=20 Shuttle Lock**
- Lightweight design
- Integrated locking unit for easy unlocking even under tension
- Continuous locking without „clicking noises“ while walking
- For use with the 6Y43 Skeo Pure silicone liner

**6Y43 Skeo Pure silicone liner:**
- Naturally sliding surface coating for easy donning/doffing and fast drying
- Soft silicone with a silky, skin-friendly interior

## Connection option 2

**21Y14 PushValve vacuum valve**
- Threadless design for extreme ease of use
- Audible signal indicates correct position of the valve

or

**21Y21 ClickValve vacuum valve:**
- Threadless design for ease of use
- Additional safety shackle avoids losing the upper valve part
- Audible signal indicates correct position of the valve

**Adapter:**
- Optimised corrosion resistance
- Vent slots
- Angled/set versions available as the basis for optimised prosthesis alignment

# Technical data and order examples

## Aqua Knee

| | |
|---|---|
| **Article Number** | 3WR95 |
| **Proximal connection** | Pyramid adapter |
| **Distal connection** | Pyramid adapter |
| **Knee flexion angle** | 135° |
| **Weight** | approx. 400 g |
| **System height** | 62 mm |
| **Proximal system height up to the alignment reference point** | 6 mm |
| **Distal system height up to the alignment reference point** | 56 mm |
| **Material** | Aluminium |
| **Max. body weight** | 150 kg |

## Aqua Foot

| | | | | | |
|---|---|---|---|---|---|
| **Article Number** | 1WR95 | | | | |
| **Heel height** | 0 mm | | | | |
| **Sides** | left (L), right (R) | | | | |
| **Sizes** | 24 cm | 25 cm | 26 cm | 27 cm | 28 cm |
| **System height with adapter** | 61 mm | 64 mm | 67 mm | 70 mm | 72 mm |
| **Weight with adapter** | ~ 507 g | ~ 556 g | ~ 629 g | ~ 671 g | ~ 704 g |
| **Structural height without adapter** | 72 mm | 75 mm | 78 mm | 81 mm | 83 mm |
| **Weight without adapter** | ~ 437 g | ~ 486 g | ~ 559 g | ~ 601 g | ~ 634 g |
| **Max. body weight** | 150 kg | | | | |
| **Colours** | beige (4) | | | | |

**Order example**

| **Article No.** | **=** | **Side** | **Size** | **-** | **0** | **-** | **Connection** | **/** | **Colour** | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1WR95 | = | L | 26 | - | 0 | - | W | / | 4 | Version for exoskeletal design |
| 1WR95 | = | L | 26 | - | 0 | - | P | / | 4 | Version with adapter for modular design |

## Liner

| | |
|---|---|
| **Article Number** | 6Y43 |
| **Connection** | with distal connection |
| **Wall thickness** | from approx. 4.5 mm distally, tapering to 2.5 mm proximally |
| **Sizes** (in mm, see also distal circumference) | 120, 140, 160, 180, 200, 210, 220, 235, 250, 265, 280, 300, 320, 340, 360, 380, 400, 420, 450 |

**Order example**

| Article No. | = | Size |
|---|---|---|
| 6Y43 | = | 280 |

# Technical data and order examples

**Recommendations for selecting adapters**

- For transfemoral fittings with the 3WR95, we recommend using the 4WR95=1 Lamination Anchor. In this case, the connection to the knee joint is formed directly by the lamination anchor. Gaps that may need to be bridged must be closed by filling the socket with foam.
- The 4WR95=1 is only suitable for use in the thigh area.
- We recommend using the 2WR95=1 Angled Tube Adapter to achieve the full range of adjusting options for bench alignment of the waterproof walking device using the 1WR95 Aqua Foot on 0 mm heel height according to the Ottobock alignment recommendations.

## Adapter

| **Article Number** | 2WR95 | 2WR95=1 | 4WR95=1 | 4WR95=2 | 4WR95=3 |
|---|---|---|---|---|---|
| **Description** | Tube Adapter | Tube adapter, angled | Lamination anchor with pyramid receiver | Lamination anchor with pyramid adapter | Tube clamp adapter |
| **Diameter** | 34 mm | 34 mm | - | - | 34 mm |
| **System height** | - | - | 44 mm | 2 mm | 33 mm |
| **Min. system height** | 77 mm | 78 mm | - | - | - |
| **Max. system height** | 472 mm | 473 mm | - | - | - |
| **Weight** | 330 g | 330 g | 165 g | 165 g | 105 g |
| **Angle** | - | 6° | - | - | - |
| **Material** | Titanium | Titanium | INOX[1] | INOX[1] | Titanium |
| **Max. body weight** | 150 kg | 150 kg | 150 kg | 150 kg | 150 kg |

[1] Stainless steel

# Waterproof and aesthetic
# Aqualine Cover

With the Aqualine Cover, Ottobock is offering a natural cosmetic solution for waterproof transfemoral modular prostheses.
It is specially designed for use with the 3WR95 Aqua Knee and the 1WR95 Aqua Foot and can be obtained exclusively via Ottobock Service Fabrication.

Here the different base sizes are customized to the individual patient and the calf component is coated with Super-Skin. The coating is water-resistant and imparts to the cover a very pleasing surface feeling.

The cover consists of a proximal and a distal connecting part, both of which are fully or partially covered by an impact-resistant and at the same time flexible calf component. The plug connection between the calf component and the distal connecting part gives the cover sufficient flexibility to compensate for the patient-customized alignment. The distal connecting part also forms a natural transition to the Aqua Foot. The Aqualine Cover can be donned and doffed by the user himself and is thus also easy to clean.

Modular construction of the cover

# Waterproof and aesthetic
# Aqualine Cover

**Perfect fit, flexible**
- Recesses make it easy to operate the lock of the Aqua Knee
- Good and even load transfer while kneeling

**Floodable, resistant**
- No buoyancy in water due to floodable construction
- Inwardly located openings of the distal connecting part make it easy for water to drain off quickly and inconspicuously

**Natural, discreet**
- Natural and optically appealing outer contour
- Harmonious overall effect due to the colour-matched connecting parts, calf component and Aqua Foot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# Aqualine Cover Measurement Form

Fax order to your Ottobock representative.

| | | | | | |
|---|---|---|---|---|---|
| Contact person | | Customer number | | Date | |

| Customer | | Shipping address (if different from customer address) | |
|---|---|---|---|
| Company | | Company | |
| Street | | Street | |
| Postal code/city | | Postal code/city | |
| Patient name | | Tele-phone | |

## Patient information

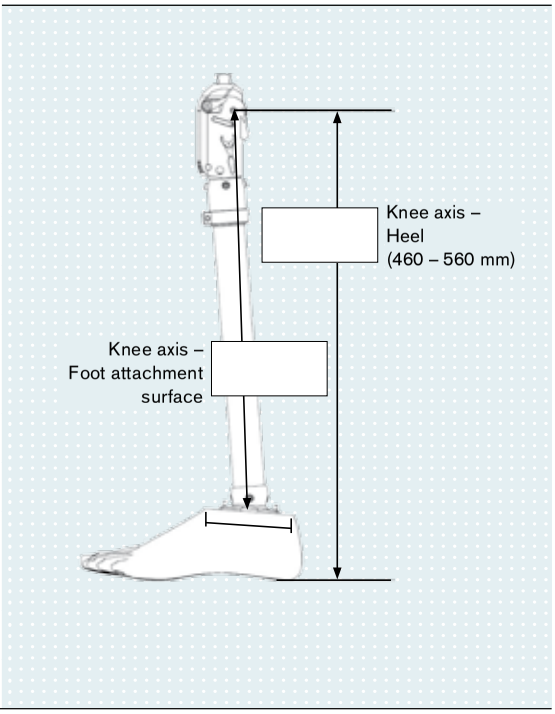
Side ☐ left ☐ right

Mobility grade _____

Weight _____

| | Foot size | Calf circum-ference | Allowable knee axis-heel measurement | Measured knee axis-heel measurement |
|---|---|---|---|---|
| ☐ | 24 | S (330 mm) | 460 – 510 mm | _____ mm |
| ☐ | 24 | M (370 mm) | 500 – 560 mm | _____ mm |
| ☐ | 25 | S (330 mm) | 460 – 510 mm | _____ mm |
| ☐ | 25 | M (370 mm) | 500 – 560 mm | _____ mm |
| ☐ | 26 | M (370 mm) | 460 – 560 mm | _____ mm |
| ☐ | 26 | L (410 mm) | 510 – 560 mm | _____ mm |
| ☐ | 27 | M (370 mm) | 460 – 560 mm | _____ mm |
| ☐ | 27 | L (410 mm) | 510 – 560 mm | _____ mm |
| ☐ | 28 | M (370 mm) | 460 – 560 mm | _____ mm |
| ☐ | 28 | L (410 mm) | 510 – 560 mm | _____ mm |

## Prosthesis data




## Further Aqualine components (modular design)

☐ Include components in delivery ☐ Complete assembly ☐ Super Skin Repair Kit 635Z56

☐ Skeo Pure 6Y43= _____ (size) or ☐ PushValve 21Y14 ☐ ClickValve 21Y21

☐ Shuttle Lock 6A30=20

☐ Lamination Anchor with Pyramid Receiver 4WR95=1 ☐ Lamination Anchor with Pyramid Adapter 4WR95=2

☐ Aqua Knee 3WR95

☐ Tube Clamp Adapter 4WR95=3 ☐ Tube Adapter 2WR95 ☐ Tube Adapter, angled 2WR95=1

☐ Aqua Foot (with Pyramid Connector) 1WR95= Side: ☐ left ☐ right Foot size: _____

Date ..... Place ..... Signature .....

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