



# TECTUS®

# EMBRACE THE NEXT STEP

**Tectus®** is a slim, lightweight microprocessor controlled orthotic device. This life changing technology allows people with impaired mobility due to partial paralysis in their lower limbs to regain their mobility and walk again.

## Key Features



### Superior Comfort

Tectus® is small and lightweight. At just 732g, the modular design allows comfortable and flexible positioning to accommodate any thigh size.



### Enhanced Safety

We believe in safety by design. Tectus® is clinically proven to reduce trips and falls, decrease fatigue whilst walking and improve mobility<sup>1</sup>. Our features put safety first - from superior battery life to intelligent standing support.



### Pioneering Technology

Designed with unique Performance Response Technology (PRT™) from Blatchford, Tectus® achieves new levels of biomimicry. The unique combination of spring, hydraulic, sensor and microprocessor technology allows wearers to replicate a more natural walking gait, resulting in greater symmetry and more even loading<sup>1</sup>.



### Unrivalled Support

Practitioners can count on full support from Blatchford. Our certification programme covers the entire bracing journey and beyond - from initial evaluation to prescribing, programming, physiotherapy and follow-up.



1. Blatchford Tectus Case Study, May 2023, Document 1418.v1, Vanessa Walters

**Blatchford**

# Enhanced Features Explained

|   |   |
|---|---|
| <b>Performance Response Technology™</b> | Tectus® uses Blatchford's Proprietary Performance Response Technology™ (PRT) to mimic the natural function of the knee joint, resulting in life-changing mobility.<br><br>The unique system of spring, hydraulic and sensor technology allows wearers to replicate a more natural walking gait.   |
| <b>Tectus® Modes</b>                    | Across 5 operating modes, Tectus® has everyday activities covered. Wearers can go from descending stairs to standing in queues with ease. Change walking speeds, sit, stand, lock - it's all possible at the touch of a button.<br><br>Unlike other microprocessor KAFOs, wearers can switch between modes using a discrete remote control, or via buttons on the conveniently placed Tectus® module, giving wearers effortless and complete control. |
| <b>Digital Display</b>                  | The discreet digital display allows the wearer to view modes, battery status, step count and safety warnings at a glance.   |
| <b>Modular Design</b>                   | Full customisation to each individual wearer. Position the battery unit anywhere on the thigh to fit the patient's unique limb shape.   |
| <b>Battery Life</b>                     | Our fully rechargeable battery offers over 18 hours of continuous usage, and quick charges from 0% - 100% in under 2 hours.   |
| <b>Spring Assist</b>                    | Unique adjustable control feature, assists both heel rise dampening and the mid to terminal swing phase knee extension  |
| <b>Minimally Invasive</b>               | Small and lightweight, the microprocessor module weighs just 660g, making it comfortable and minimally invasive.  |



## Technical Specification

|                             |   |
|-----------------------------|---|
| <b>Activity Level:</b>      | All Activity Levels                                   |
| <b>Minimum User Weight:</b> | 50kg/110lbs   |
| <b>Max User Weight:</b>     | 100kg/220lbs*   |
| <b>Hip Flexion:</b>         | 2+, Oxford scale                                      |
| <b>Component Weight:</b>    | Tectus® Module: 732g (1lb 10oz)                       |
| <b>Battery Type:</b>        | Rechargeable Ni-MH 950mAh 6V                          |
| <b>Time to Full Charge:</b> | 2 hours   |
| <b>Battery Life:</b>        | Approximately 1 day<br>(18 hours of continuous usage) |
| <b>Warranty:</b>            | 36 months   |
| <b>IP Rating:</b>           | IP54  |

\* Including carrying weight

## Ordering Information

Please order:

**TEC-L-KIT** for left leg

**TEC-R-KIT** for right leg

These kits include all components required excluding ankle joint and KAFO brace materials.

USA reimbursement code: L2006.

Tectus® is protected by Patent No 2566310.

Multi-functional ankle joint shown is for illustrative purposes only.

Suitable for outdoor use

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[www.blatchfordmobility.com](http://www.blatchfordmobility.com)

View Tectus® online

