

## TT Pro

TT Pro is an adaptor that fits into the pylon of the prosthesis and acts as a spring. This element uses a spring axial shock absorption and nylon rods for torsional compliance. With TT Pro, interface pressures and shear forces at the socket-residuum interface are reduced, protecting the skin of the residual limb and allowing the user to achieve an enhanced performance without fear of injury.

### Improvements in Clinical Outcomes using shock-absorbing pylon/torque absorber compared to rigid pylon

#### Improvement in **SAFETY**

- Reduced back pain during twisting movements e.g. golf swings<sup>1</sup>

#### Improvement in **MOBILITY**

- Reduced compensatory knee flexion at loading response<sup>2</sup>
- No reduction in step activity<sup>3</sup>
- Blatchford torsion adaptors match the able-bodied rotational range<sup>4</sup>

#### Improvement in **RESIDUAL LIMB HEALTH**

- Reduced loading rate on prosthetic limb<sup>5</sup>, particularly at fast walking speeds<sup>6</sup>
- Users feel less pressure on their residual limb<sup>7</sup>

#### Improvement in **USER SATISFACTION**

- Patient preference, citing improved comfort, smoothness of gait and easier stairs descent<sup>5</sup>

## References

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