

Ankle Joint Selection Guide



	Free Motion			Dorsiflexion		Multifunction						Dynamic Carbon Spring
	Bilateral			Bilateral		Bilateral				Unilateral and/or Bilateral		Dorsal
	Conventional		System	Conventional	System	Conventional		System	System			
	17AF10 X-ible	17AF2 Active Contour	17B62 Limited Motion	17AF10=*-DA X-ible	17B63 Toe Pickup	17PA1 CarbonIQ	17PA1=*-WR Aqualine	17AD1 Dual Function	17B66 Double Action	17LA3N Unilateral	17AD100 Nexgear Tango	17CF1 Carbon Ankle Seven
Users												
Adults	●	●	●	●	●	●	●	●	●	●	●	●
Children	●	●		●		●	●	●		●	●	●
Fabrication Technique												
Thermoplastic	●	●	●	●	●	●	●	●	●			●
Laminating Resin			●		●	○	○		●	●	●	●
Prepreg			●		●	○	○		●	●	●	●
Waterproof							●					
Functions												
Continuously Adjustable												
Dorsal Stop						●	●	●	●	●	●	
Continuously Adjustable Damped Dorsal Stop											●	
Dorsal Extension Support												
• Slight				●	●	●	●	●	●	●	●	●
• Moderate					●	●	●	●	●	●	●	●
• Strong											●	●
• Extra Strong											●	●
• Continuously Adjustable Spring Pre-tension					●	●	●	●	●	●	●	
Plantar Flexion Support												
• Slight						●	●	●	●	●	●	
• Strong											●	
• Extra Strong											●	●
• Continuously Adjustable											●	
Knee Extension with Dynamic Energy Return											●	●
• Continuously Adjustable						●	●	●	●	●	●	
Adaptable During Rehabilitation											●	
Material												
Synthetic	●			●		●*	●*					
Steel		●	●		●			●	●	●	●	
Titanium										●	●	

* Carbon fiber reinforced plastic

Possible ○

Nexgear Tango

Strong. Dynamic. Modular.



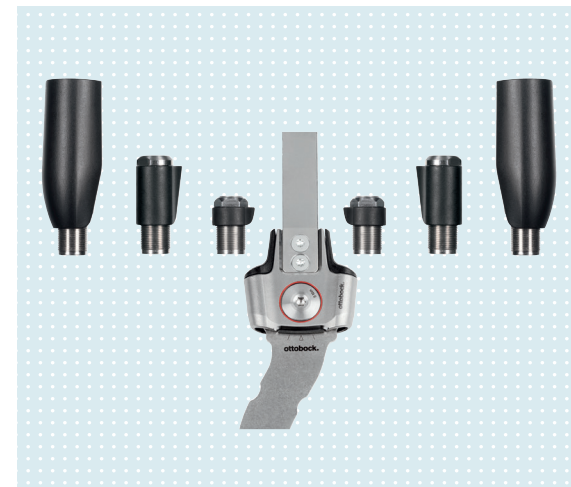
Tango – One Joint, Many Possibilities

The Tango ankle joint is the first product in our Nexgear portfolio. The modular system offers a high level of energy return and the necessary dynamics for a more efficient and physiological gait. Three different removable modules enable a high degree of flexibility in functionality and design. These options allow you to customize the joint to a user's individual needs throughout the entire rehabilitation process.

The highly functional Reaction Module uses ground reaction forces to influence the knee and ankle joint, dynamically controlling plantar flexion and dorsiflexion. The knee joint is also supported in stance phase. The module's different Reaction Springs optimize the required energy return on an individual basis. The Tango ensures the highest possible range of motion in the ankle, even with high spring force, resulting in a more dynamic and physiological gait pattern.

Benefits

- ▶ Double action ankle joint with three function modules (Stop Module, Spring Module, Reaction Module)
- ▶ Removable module options allow for customization to the user's individual needs throughout the entire rehabilitation process
- ▶ Reaction Module:
 - High level of energy return with maximum freedom of movement in the ankle
 - Dynamic control of plantar flexion and dorsiflexion, support for knee extension in the mid-stance phase, and support during toe-off/initiation of the swing phase
 - Separate static and dynamic settings
 - Dynamic adjustment (spring preload) to set a continuously variable dorsal or plantar stop
 - Two Reaction Spring options: Strong and Extra Strong
- ▶ Five size options based on weight classification for adults and children
- ▶ Unilateral or bilateral fittings
- ▶ Base body available in stainless steel or titanium



Indications

Partial or total paralysis of the leg muscles, particularly in neurological diseases including:

- Incomplete spinal cord injury (ISC)
- Traumatic brain injury
- Infantile cerebral palsy
- Stroke

Indications must be determined by the clinician.