

The new Unilateral Joint System

Modular and multifunctional



Quality for life

Proven functionality For a modern fitting





With the new Unilateral Joint System, you can provide your patients with an integrated system that meets modern requirements. The knee and ankle joint is available in four sizes for both adult and children's fittings.

During the 1960s, modular system bars established the technical preconditions for individually fitting users with modern components. During this development, production technology, precision and user friendliness of Ottobock components set the standard for the industry.

The Unilateral Joint System furthermore satisfies today's latest requirements. Its construction is lightweight and the system is suitable for orthoses made with prepreg and lamination resin techniques. The joint size can easily be selected due to the weight classification for unilateral and bilateral use.

17LK3 Unilateral Knee Joint

Lightweight and proven

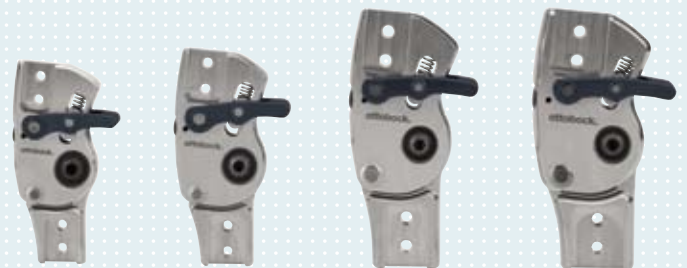
The 17LK3 Unilateral Knee Joint is a system knee joint with a wedge lock. It is particularly attractive due to its lightweight construction. Its weight classification permits unilateral use for a body weight of up to 110 kg and bilateral use for up to 160 kg. The system is suitable for prepreg and lamination resin techniques. The scope of delivery includes a temporary switch for releasing the joint, e.g. for training on a therapeutic bike.

Indications

Partial or total paralysis of the leg muscles. Indication must be determined by the physician.

Advantages at a glance

- ▶ Integrated joint system in 4 sizes, suitable for both children and adults
- ▶ Reduced weight due to lightweight construction
- ▶ Can be used for prepreg and lamination resin techniques
- ▶ Temporary switch for releasing the joint, e.g. for training on a therapeutic bike, is included in the scope of delivery
- ▶ Weight classification for unilateral and bilateral use simplifies the selection of the joint size
- ▶ Lamination/prepreg dummy included in the scope of delivery
- ▶ Titanium or steel versions



Matching lamination bar:

17LS3* (not included in scope of delivery)

Matching lamination dummy:

30Y268* (included in scope of delivery)

Temporary switch for releasing the joint:

17Y162=* (for optional use, included in scope of delivery)

Sizes

The Unilateral System Knee Joint is available in four system sizes. It can be used on either the medial or lateral side, or on both the medial and lateral sides of the knee. The choice of system size is based on the patient's body weight and conditions of use.

	Maximum patient weight (kg)			
	17LK3=12 (-T)	17LK3=14 (-T)	17LK3=16 (-T)	17LK3=20 (-T)
Unilateral use (lateral or medial)	20	50	85	110
Bilateral use (lateral and medial)	40	80	120	160

(-T)=Titanium version

Notice

When using the product unilaterally, and in case of flexion contracture in the knee or hip > 10° or distinct torsion or valgus/varus instabilities or valgus/varus malpositions > 10° or increased bodily activity, the next higher size must be used. For tubercle seat the product must be fitted bilaterally.

**Option:
Temporary Switch**

17Y162=* is an additional option that can also be installed later into the knee joint. It enables the knee joint to be set to a temporary, open position, e.g. for training on a therapeutic bike. The temporary switch is included in the scope of delivery.



17LA3 Unilateral Ankle Joint

Small, light and versatile

The 17LA3 Unilateral Ankle Joint is a multifunctional system ankle joint with a foot-lifting effect. Its different combination options mean at any time, it can be quickly adjusted to the individual user's needs. Its weight classification permits unilateral use for a patient weight of up to 110 kg and bilateral use for up to 160 kg. Despite its multifunctional features it is small, light and inconspicuous – truly versatile.

Indications

Partial or total paralysis of the leg muscles. Indication must be determined by the physician.

Advantages at a glance

- ▶ With just one spring, range of motion can be adjusted between -20° and $+20^{\circ}$
- ▶ Alignment can be adjusted at any time using a stop pin or spring stop
- ▶ Titanium or steel versions
- ▶ Weight classification



Combination possibilities

Thanks to the different combinations of stop, spring and spring stop, the system ankle joint can be adjusted to each individual user's needs:

Combination		Application
Anterior installation	Posterior installation	
Stop pin	Stop pin	e.g. ICP or Spina Bifida
Spring	Stop pin	e.g. in case of distinct hyperextension of the knee joint
Spring stop	Stop pin	e.g. in case of distinct hyperextension of the knee joint, but with additionally adjustable damped dorsal stop
Spring	Spring	e.g. in case of weakness of the lower leg muscles
Stop pin	Spring	Dorsiflexion support, e.g. in case of peroneal paralysis with no muscular knee joint protection
Spring stop	Spring	e.g. in case of pareses of the lower leg muscles
Spring	Spring stop	e.g. in case of weakness of the lower leg muscles with a tendency towards hyperextension of the knee joint
Stop pin	Spring stop	Dorsiflexion support, e.g. in case of pareses of the lower leg muscles without muscular knee joint protection
Spring stop	Spring stop	e.g. in case of pareses of the lower leg muscles with weakness of the knee-protecting muscles

	Maximum patient weight (kg)			
	17LA3=12 (-T)	17LA3=14 (-T)	17LA3=16 (-T)	17LA3=20 (-T)
Unilateral use (lateral or medial)	20	50	85	110
Bilateral use (lateral and medial)	40	80	120	160

(-T)=Titanium version

Notice

When using the product unilaterally, and in case of flexion contracture in the knee or hip > 10° or distinct torsion or valgus/varus instabilities or increased bodily activity, the next higher size must be used. For tubercle seat or valgus/varus malpositions > 10° the product must be fitted bilaterally.

Matching lamination bar:

17LS3* (not included in scope of delivery)

Matching foot stirrup:

17LF3* (not included in scope of delivery)

Matching lamination dummy:

17LD1* (not included in scope of delivery)

Matching unilateral system knee joint:

17LK3* and 17LS3* matching lamination bars



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