

Impulse® Ankle

The main feature of most prosthetic ankles – the ability to provide movement in all directions – is not necessarily a benefit when these ankles are used with energy-storing feet, since the dorsiflexion of the ankle can actually diminish the response of the toes or metatarsal area of the foot. The new Impulse Ankle solves this problem by restricting the amount of dorsiflexion in order to allow more loading response from the foot. At heel strike, the ankle allows the foot to plantarflex to allow the amputee to reach foot-flat quickly; but as the amputee reaches mid-stance, the ankle's motion is significantly reduced and allows the amputee to retain the full functionality of the toes and metatarsal area of the prosthetic foot. In addition to this plantar/dorsiflexion function, the ankle also features inversion/eversion and axial rotation.

The Impulse Ankle is the perfect companion for the energy-storing Impulse Foot. The ankle allows the amputee to adapt to a wide variety of terrain without limiting the high level of energy return provided by the Impulse Foot, and they both feature extremely robust designs that stand up to the demands of active amputees weighing up to 350 lbs (160 kg).

Weighing only 185 grams, the Impulse Ankle features a sleek profile that facilitates adjustments and cosmetic finishing. A titanium pyramid is integrated into the proximal attachment surface of the ankle, and there are no required maintenance procedures or parts that need to be replaced. A unique rubber-molding technology provides a smoother, more cushioned step. Six different stiffness options make it easy to select an ankle that is appropriate for the patient's weight and activity level.

The Impulse Ankle is not designed for use with the Earthwalk™ Foot.



- **U. S. Activity Levels 3 & 4**
- **Multiaxial Ankle with Restricted Dorsiflexion Allows for More Foot Response**
- **Lighter or as Light as Any Other Ankle for High-Activity Patients**
- **Innovative Combination of Materials for Enhanced Performance**
- **High Quality; No Maintenance Product**
- **Six Ankle Stiffness Options**
- **Sleek Design for Easier Adjustments and Cosmetic Finishing**
- **Use with Impulse Foot for Exceptional Performance**

ANKLE STIFFNESS

Amputee Weight	Ankle Selection	Part No.
Aluminum Base		
Less than 150 lbs (68 kg)	RED	IMPA-R
151-190 lbs (69-86 kg)	BLUE	IMPA-B
191-230 lbs (87-104 kg)	YELLOW	IMPA-Y
231-270 lbs (105-122 kg)	GREEN	IMPA-G
Titanium Base		
271-310 lbs (123-140 kg)	BLACK	IMPA-K
311-350 lbs (141-160 kg)	WHITE	IMPA-W

SPECIFICATIONS

WEIGHT	185 g
PATIENT WEIGHT LIMIT	350 lbs/115 kg*
U.S. L-CODE SUGGESTION	5986
TRIAL PERIOD	If an amputee rejects the Impulse Ankle within 30 days, the ankle may be returned to Ohio Willow Wood for full credit.
U.S. WARRANTY	One year and three weeks from purchase

* Body weight plus any loads normally and routinely carried cannot exceed this weight limit.