
Martin Shields, golfing at the EDGA Algarve Open in Portugal
XTERN
CLASSIC+®
THINK OUTSIDE THE SHOE®
Turbo Med™
ORTHOTICS



A+ THAT MAKES ALL THE DIFFERENCE

Introducing the Xtern Classic Plus – the first-ever 100% dynamic drop-foot orthosis (AFO) worn outside the shoe, now completely revamped. The Xtern Classic is now the Xtern Classic+, marking the 6th generation of design in just under 10 years.

The Xtern Classic+ incorporates the latest technologies developed by Turbomed's research and development team. It's a major technological evolution, offering groundbreaking advancements in both design and effectiveness. Thanks to the newly developed Monocore Technology, the Xtern Classic+ boasts an exceptional design, improved lightweight construction, and a profile that fits better within shoes.

Our AFO will allow running, walking and even mountain hiking as long and as far as you want without any discomforts. Tested in many conditions such as marathons, triathlons, endurance activities and adventures in the wild Canadian backcountry, it's unique patented design acts as an exoskeleton to the impaired limb, keeps the foot at 90 degrees and provides the user with unparalleled levels of function without discomfort or rubbing.

The Xtern Classic+ is the only dynamic AFO totally affixed outside the shoe to maximize comfort, prevent skin breakdown and rubbing injuries to the foot. Its flexibility helps keep maximal ankle range of motion and calf muscle strength. The Xtern Classic+ allows plantarflexion as well as dynamic dorsiflexion, making it easier to move, drive, or even run, while staying comfortable.









OVER 20 YEARS OF REFINEMENT

WHAT'S NEW IN 2025

The Xtern Summit's ingenious see-through design has been adapted to the Xtern Classic +.

Put down the drill! The Xtern Classic+ can now be assembled without any power tools or additional holes, thanks to its new MONOCORE Technology® It now boasts a one-piece body and new calf section.

The calf cuff is now height adjustable and equipped with pressure screws for easier assembly.

Our new, redesigned assembly guide is now more user friendly with pictograms and minimal text.

ADVANTAGES



ADAPTABLE

Easily conforms to uneven ground and slopes

NO SKIN CONTACT

Exoskeleton design fits onto the outside of the shoe without touching the foot or the ankles

LIGHTWEIGHT, SLEEK DESIGN

Made of highly durable thermoplastic that makes it feel weightless

AMAZING ENERGY RETURN

Patented design makes it easy to position yourself as well as invert or evert the foot if required

* FDA Registration No: 3011816892 FDA Medical Device Listing no: D246429
* CE Class I Medical Device - Germany HMV-Nr. 23.03.02.6024 (Hilfsmittel)
* Health Canada Medical Device Establ. Lic. No 6354 Class I
* U.S. Patent No.8529484 – Canadian Patent 2692534 – Europe Patent EP 2533734 - International Patent Pending



VERSATILE

Goes from shoe to shoe in 5 seconds. Fits majority of shoes

SYMMETRICAL DESIGN

Fits both the left and right feet

BEST WARRANTY ON THE MARKET

Try the XTERN for 2 months, and if you are not 100% fully satisfied, return it for a full refund.

2 years warranty against defects for all plastic parts.

AT-X TRIAL TOOL

The AT-X try on device is reserved exclusively for healthcare professionals to allow for quick installation on client's shoes to determine if the Xtern is right for them. Fully assembled and easy to use, the AT-X is adjustable in length and height.

In only a few steps, the professional will know if the Xtern is right for the customer, and the customer will feel the immediate benefits of the Xtern, as the AT-X and the Xtern share the same dorsiflexion assistance.



CLINICAL INDICATIONS

- Drop foot
- Dorsiflexion weakness
- Peroneal nerve injury
- Idiopathic Toe-walking
- Charcot Marie Tooth (CMT)
- Stroke (CVA)
- Multiple Sclerosis (MS)
- Cerebral Palsy (CP)
- Hemiplegia
- Guillain-Barre Syndrome (GBS)
- Motor neuropathy
- Motor Neurone Disease (MND)
- Back injury or surgery
- Cancer
- Knee injury or surgery

KNOWN CLINICAL LIMITATIONS

- × Inappropriate footwear
- × Gross fixed deformities of foot or ankle
- × Severe spasticity
- × Quadriceps weakness
- × Severe knee weakness
- × Crouch gait

IMPROVEMENTS FOR PROFESSIONALS

- ✓ Assessment tools or demo kits available in 4 sizes for profesionnals to assess customers with foot drop quickly and efficiently
- ✓ Brace easily assembled in 10 to 15 minutes
- ✓ Simplified assembly instructions
- ✓ Engraved parts numbers on every component for easy identification and re-order
- ✓ Easily adjustable length and height for pediatric size only (2 front bars are included to maximize brace lengthening. Pediatric size only)
- ✓ Detailed sizing chart allows for the best fit on all customers
- ✓ Can now be assembled without any power tools or additional holes



WHICH XTERN IS YOURS?

	XTERN CLASSIC+	XTERN SUMMIT	XTERN FRONTIER
			
100% dynamic AFO	✓	✓	✓
No skin contact	✓	✓	✓
Symmetrical design	✓	✓	✓
See through design	✓	✓	
Lace clip technology	✓	✓	✓
Lace clips included	5	10	5
Magnetized strap			✓
Easy rear entry			✓
Soft parts kit included	1	2	1
Warranty on plastic and carbon fiber parts	2 years	3 years	2 years
Insurance coverage such as VA, Medicare and MedicAid	✓	✓	✓
HCPCS code PDAC approved	L1951	L1951	L1932
Dynamic thermoplastic Carbon fiber Polymer composite	70% - 30%	70% 20% 10%	44% - 56%
Improvements over the original Xtern	+35% medial-lateral strength +18% dorsi-flexion power 15% lighter	+35% medial-lateral strength +18% dorsi-flexion power 15% lighter	+ 25% medial-lateral stability



SIZING CHART

An assessment from a healthcare professional is recommended to confirm whether the indications and limitations listed below make the patient a candidate for the Xtern. Sizing can then be determined using the patient's foot width and length.

* HCPCS Code L1951 (PDAC VALIDATED): Ankle foot orthosis, spiral, (institute of rehabilitative medicine type). Plastic or other material, prefabricated, includes fitting and adjustment.
* Suggested L codes. The responsibility for accurate coding lies with the patient care facility that selects the product, fits the patient, and bills for the service
● Upgrade to alternate size according to shoe or foot width

SHOE SIZE				XTERN KIT SIZE SELECTION		
US		UK	EU	PRODUCT: 101100-SA-L	PRODUCT: 101100-SA-M	PRODUCT: 101100-SA-S
MEN	WOMEN			LARGE	MEDIUM	SMALL
16		15.5	51	●		
15.5		15	50.5	●		
15		14.5	50	●		
14.5		14	49.5	●		
14		13.5	49	●		
13.5		13	48	●		
13		12.5	47.5	●		
12.5		12	47	●		
12		11.5	46.5	●		
11.5		11	46	●	●	
11		10.5	45	●	●	
10.5	11.5	10	44.5		●	
10	11	9.5	44		●	
9.5	10.5	9	43		●	
9	10	8.5	42.5		●	
8.5	9.5	8	42		●	
8	9	7.5	41.5		●	●
7.5	8.5	7	40.5		●	●
7	8	6.5	40			●
6.5	7.5	6	39			●
6	7	5.5	38.5			●
5.5	6.5	5	38			●
5	6	4.5	37.5			●
4.5	5.5	4	37			●
4	5	3.5	36			●
3.5	4.5	3	35.5			●
3	4	2.5	35			●
2.5	3.5	2	34.5			●

MEET THE MAKERS



STÉPHANE SAVARD

Stéphane Savard has been an entrepreneur and businessman for more than 35 years. Following his studies in prosthetic orthoses, he became a shareholder in the family business designing, manufacturing, adjusting and repairing all orthoses available on the market, both in the laboratory and in hospitals. He also worked closely with health professionals to satisfy customers requiring orthotics and/or technical aids.

Stéphane has been working full time for TurboMed Orthotics since January 2015, and owns all shares alongside two members of his family.



FRANÇOIS CÔTÉ

François Côté has been a mechanical engineering and naval architecture designer for Groupe Océan for over 20 years. He's worked in research and development on the design and construction of new fleet tugs, and has been involved in the engineering of several bold and far-reaching projects such as Groupe Océan shipyard's new haulage system at L'Île-aux-Coudres.

In 2001, Francois suffered a serious snowmobile accident, breaking his 2 legs and 2 knees. This left him with various disabilities, including a full foot drop to the left leg. This accident affected his personal and sporting life, but didn't extinguish his desire to push his limits.



Brandon, a foot drop patient and avid runner, jogging in the streets of Leipzig, Germany.

THE FOOT DROP CLUB IS MAKING STRIDES





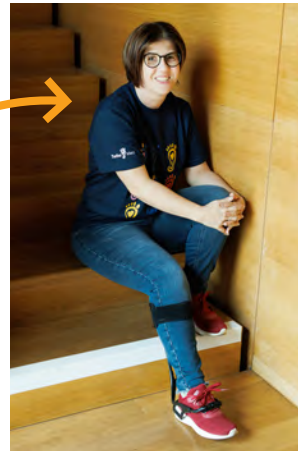




Lennart, a foot drop patient from the Netherlands, walking the rainy streets of Leipzig, Germany.







Caroline, an MS patient and musician from Germany, visiting the Leipzig Modern Art Museum.



Rachel, a double foot drop patient from the US, posing in a field with her dog companion.



Connect with others!
Turbomed Foot Drop Club

Turbomed Orthotics

Turbomed Foot Drop Club (Customer club)

Turbomed

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