SNOWSHOES TECHNOLOGY

made in FRANCE

All snowshoes of this classic range have been designed and developed for each type of consumer to find the pair corresponding to their specific use. They are made entirely in France with TSL in total control of our production (plastic injection to final assembly) ; This ensures high quality products as well as superior after-sales service.

THE IMPORTANCE OF THE FRAME SURFACE.

You should choose the deck size according to your size and the snow conditions. The greater the weight of the walker, the wider the deck required to bear the weight.

All of our adult frames (Hyperflex, 3D design, classic) are available in a range of sizes.

HYPERflex concept

	SYMBIOZ S 30 > 80 Kg 65 > 180 lbs	SYMBIOZ M 50 > 120 Kg 110 > 260 lbs	SYMBIOZ L 70 > 140 Kg 150 > 300 lbs

3D design

	418 40 > 80 Kg 90 > 180 lbs	438 60 > 120 Kg 130 > 260 lbs	
	305 30 > 80 Kg 65 > 180 lbs	325 50 > 120 Kg 110 > 260 lbs	
302 20 > 50 Kg 40 > 110 lbs			

CLASSIC

		217 40 > 100 Kg 90 > 220 lbs	227 70 > 140 Kg 150 > 300 lbs
510 15 > 30 Kg 30 > 65 lbs			

natural walk

SHOCK TESTED -40°C SUPER STRONG LIGHT MATERIALS

All of our narrow-waist snow-shoes have been tested in the most extreme temperatures. The special shape (TSL patented) enables you to maintain a normal gait.

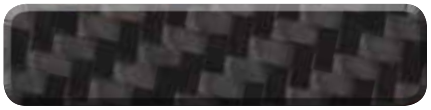
THE FRAME AND GRIPS

Hyper-flexible and lightwieght with an ergonomic binding, the Symbioz adapts to the unevenness of the terrain to give extraordinary traction and a completely natural stride.
The inserts provide elasticity and responsiveness and to offer a feeling of freedom.

HYPERflex concept

REINFORCEMENTS

For the first time, TSL has used a design containing reinforcements each having their function that are essential to the effectiveness of the Hyperflex concept. They support the product's distortion constraints during walking and give the Symbioz its overall qualities: flexibility, rigidity, elasticity and light weight.



CARBON

Carbon reinforcements store energy during the flexing phase and restore it at the end of the stride to increase stride power and reduce effort and vibration. Distortion of the **SYMBIOZ ELITE** frame is progressive, responsive, precise and uniform in both the bending and twisting phases.

THERMOPLASTIC

Thermoplastic reinforcements support the **SYMBIOZ HIKER** and the **SYMBIOZ MOTION** distortion constraints to provide a natural stride in both the bending and twisting phases.

PRIX INOSPORT 2013

Rhône-Alpes Terre d'Innovation
Les Trophées Bref Rhône-Alpes 2013

label observeurdesign 2014

Our different prize

TSL OUTDOOR was awarded a prize by the Design Observer from APCI (Agency for the Promotion of Industrial Design), Inosport, Backpacker (USA) and Bref Rhône Alpes Trophee for its Symbioz Elite. The prize award reinforce TSL's determination to progress in order to provide consumers with even more innovations.

THE FRAME AND GRIPS

HYPERflex concept

NEVER HAS A SNOWSHOE OFFERED SUCH OUTSTANDING GRIP.

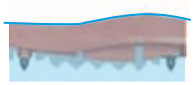
Combined with the vertical blades, the stainless steel bidirectional crampons placed under the foot give incredible traction (uphill), excellent grip (downhill) and perfect drift control (incline). The flexible frame follows the shape of the terrain, provides superb stability and complete safety to avoid sudden sliding in powder snow.

3D design

These decks benefit from variable height edges providing better grip on downhill slopes and great traction in all types of snow (TSL Patented).


Icy snow


Packed snow


Soft snow

STAINLESS STEEL GRIPS

GRIP

The 3D Design snowshoes use 6 interchangeable spikes (8 for 418/438) and front points for excellent grip.
The Grips models, fitted with lateral stainless steel blades, optimise the grip on these models.

FRONT TEETH

The front teeth provide maximum traction on steep slopes.

CLAWS

The 8 independent, abrasion-resistant stainless steel crampons (similar to mountaineering crampons) are always located under the foot's pressure points, no matter the size of your foot. They grip is unbeatable.

VERTICAL BLADES

The vertical blades provide superb traction and control on inclines or steep slopes in soft or compact snow.

CLASSIC

Icy snow

Packed snow

Soft snow

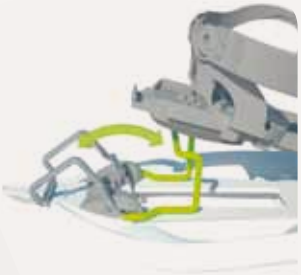
These robust and rigid frames are perfect for treks on gentle slopes. They are fitted with 6 interchangeable spikes and front points for very excellent grip.

HEEL LIFTS

Adaptable to any foot size, our climbing bars offer an average angle of 12° and are always located right under the heel. Because there is no direct contact with the shoes, pressure points are non-existent.

Going uphill, the device lifts the heel. Going Downhill, the back of the binding goes under the deck in order to keep the foot flat, preventing the foot from jutting out at the front of the shoe.

easy ascent



CLASSIC

All TSL snowshoes have a Sound and shock absorbing System (TSL Patented).

BINDINGS

GLOBAL MEMORY BINDING.

TSL is the only brand of snowshoes to provide a complete memory of the shape of the shoe (size and front volume). This gives excellent control of the foot across a wide range of sizes and in all types of situations. Once these pre-adjustments have been made, the snowshoe can be put on easily and quickly before each outing.

DEVICE WITH PRESET MEMORY

LOCK ADJUSTMENT
(TSL Patented)

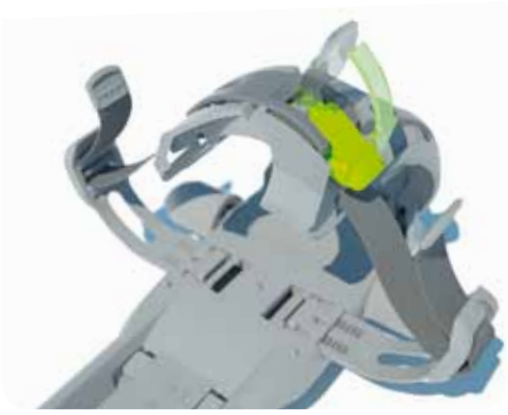
Just activate the locking system and slide the heel support to the correct position. It will now maintain this setting.

BINDINGS

FRONT TIGHTENING

MEMORY LOCK SYSTEM
(TSL Patented)

Volume memory, with a final buckle to tighten it onto your foot.



STRAP TIGHTENING

Front classical tightening with strap.

MEMORY FLEX SYSTEM
(TSL Patented)

Flexible volume memory with a lateral pre-adjust.

NEW

LATERAL ADJUST
(TSL Patented)

Lateral adjustment to fit perfectly to your foot and memorise its volume.

BACK TIGHTENING

ANKLE PRE-ADJUST

Enables you to centre the comfort PAD on your instep and permanently set its position.

BUCKLE TIGHTENING

Our bindings include a ratcheting buckle system.

COMFORT PAD

Enables you to optimise the contact zones around the ankle strap, providing improved comfort and support.