

# KHIÔN



## FORGET ANY COMPARISON...

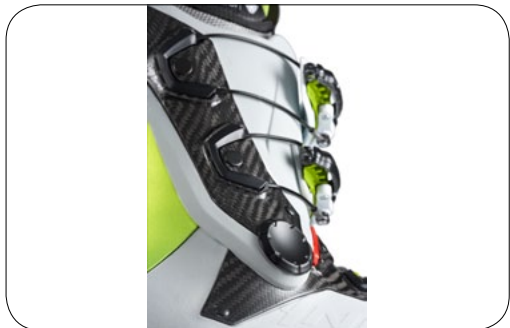
Reset your expectations. Khiôn is the new state-of-the-art boot for Free Touring. This project emerged from extensive feedback from our athletes and has been designed to:

- guarantee unrivalled skiing, with precise, progressive response and absence of play; this derives from the architecture which has been engineered to provide maximum mechanical thrust by locking together the components of the boots into a solid interconnected structure. We call it the Precision Lock System.
- amaze for its unrivalled lightness and compactness, thanks to the latest generation of materials and a obsessive study of ergonomics. All this, combined with superb walking comfort, to ensure you reach the steepest of descents as quickly as possible.
- travel effortlessly beneath the surface of the snow, driving through deep powder with minimal loss of speed, reduced friction and reduced risk of damage to boot components from unexpected knocks. Indeed, Khiôn is the first snow-dynamic ski boot.

### 1) PRECISION LOCK SYSTEM



### 2) EXTERNAL EXOSKELETON



### 4) SIDE BUMPER



### 5) SNOWDYNAMICS CONCEPT



**1) PRECISION LOCK SYSTEM.** This is a new patented system that makes skiing precise and immediate. By ensuring the maximum possible energy transfer from leg to ski, energy dispersion and delayed response associated with the classic play and deformation of ski touring boots are eliminated. When the ski-walk mechanism is in „ski“ mode, the shell, cuff and super-rigid magnesium spoiler are completely locked together as one to exploit to the maximum the mechanical thrust of the locking system between the various pieces of the boot.

**2) EXTERNAL EXOSKELETON.** The use of an exoskeleton provides lateral and front rigidity to the structure, favoring a precise immediate response. At the same time, this enables softer materials to be employed in less critical areas of the shell to deliver improved walkability and ease foot entry and removal into the boot.

**4) SIDE BUMPER.** When the skier turns, the natural bend in the leg is guided by the boot's side bumper and asymmetric construction. The result: super progressive response during turns.

**5) SNOWDYNAMICS CONCEPT.** Khiôn is the first snow-dynamic boot. It has been engineered to excel in deep powder with minimal loss of speed, and to minimize the effect of unexpected impacts on the boot, which might cause damage to the boot's components. The boot's compact profile is free of lateral protuberances, while the more streamlined buckle has been placed in a more central position in order to reduce drag, protect components, and ensure efficient travel through snow. The posterior architecture also prevents the build-up of snow and stops it entering the back of the boot.



3) MAGNESIUM SPOILER



6) ONE TOUCH BUCKLES



7) QUICK STEP-IN INSERT



8) FORMULA POMOCA® SOLE



**3) MAGNESIUM SPOILER.** The rigidity of the patented magnesium spoiler enables the Precision Lock System to provide maximum ski performance, and also drastically reduces the weight of the Khiôn.

**6) ONE TOUCH BUCKLES.** Forget your normal, complicated buckle adjustment. This patented system enables you to open the buckle completely with just one action, while securing it to the catch plate even at maximum extension.

**7) QUICK STEP-IN INSERT.** The exclusive patented Quick-Step-In insert ensures a 70% improvement in precision when stepping into bindings.

**8) FORMULA POMOCA® SOLE.** Since 1933 Pomoca® has been producing technical mountain soles under the Dufour brand. Since then, the brand has been focused on providing people with grip on snow and ice. The best performance of a sole derives from the perfect blend of compound and tread design. The Pomoca® sole unit uses a high abrasion and cut resistant compound, combined with a tread design developed to enhance walking and provide lateral stability. The tread design maximizes traction on snow and rock. The tread pattern has also been developed to be self-clearing and to prevent – initially – the build-up of snow and ice. The perfect compromise for free tourers who want to feel safe at every step.

**9) REVERSE ENGINEERING.** Khiôn cradles the foot like a second skin to simultaneously facilitate walking and increase precision, as well as reduce the boot's weight and volume. This has been made possible by using a reverse engineering development process. The metatarsal area is larger to enhance comfort and improve blood circulation to keep feet warm. The heel and rear area precisely cradle the foot to ensure precise control while skiing, similar to that of a top-level alpine ski boot. The shape and the fit represent a culmination of our many years of experience and collaboration with athletes from all over the world. This has enabled us to eliminate the critical pressure points, which can otherwise only be removed with specialized boot fitting.

**10) LINER WITH MAPPING CONSTRUCTION.** Precision and comfort at the same time. The body mapping construction of the liner is the result of feedback from the most demanding of backcountry ski athletes. A precise, cradling fit at the rear of the foot, thanks to the use of thinner but slightly denser materials, holds the foot snugly in place. The fit is completed with softness and comfort in the metatarsal area – adaptable to any foot shape – and maximum comfort around the toes.

**11) POWER DRIVE TONGUE.** Power and comfort when skiing – achieved by dispersing the thrust from the shin created during turns more uniformly throughout the entire boot. Additionally, the asymmetric tongue of the liner features a special central anchor rib to increase the contact area and reduce play, while the step present at the overlap on the internal surface has been eliminated so that it presents a continuous flat plain.

**12) QUICK LACING CLOSURE SYSTEM.** At last you can lock down the boot and position the tongue correctly in one intuitive movement by pulling the Kevlar® cable. To open, just pull the second cable.

**13) BOA® CLOSURE SYSTEM.** For those who demand the most precise fit, we have equipped the Khiôn Carbon model with a liner that integrates the Boa® closure system. This enables cable tension to be micro-adjusted to the skier's exact preference. Thanks to the self-lubricating covering applied to the steel cable, tensioning is uniform along the entire length of the lacing.

**14) MAGNETIC BUCKLE CATCHERS.** In order to keep the buckle in position while the boots are adjusted, but also to avoid that they remain accidentally hanging, the catch plates on the shell are fitted with magnets

10) LINER WITH MAPPING CONSTRUCTION



11) POWER DRIVE TONGUE



12) QUICK LACING CLOSURE SYSTEM



13) BOA® CLOSURE SYSTEM



SKI RUNNING



DY.N.A. EVO

STYLE #

TYPE

COLOR

SHELL

CUFF/  
SPOILER

SKI – WALK  
SYSTEM

FORWARD  
LEAN

CUFF  
ROTATION

SOLE

WEIGHT

SIZES

BINDING

LINER

61401/0911

unisex

carbon/black

Grilamid®

Carbon Fiber,  
Pebax®

Ultra-Lock  
System 1.0

14°-17°  
+ Release for  
walking

62°

EVO Race 2.0

750g (size 27)

23.5-30  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Light



PDG

61402/0807

unisex

fiberglass/titan

Grilamid®

Fiberglass/  
Grilamid®

Ultra-Lock  
System 1.0

14°-17°  
+ Release for  
walking

62°

EVO Race 2.0

831g (size 27)

23.5-30  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Light

SPEED TOURING



TLT 6  
PERFORMANCE CL

STYLE #

TYPE

COLOR

SHELL

CUFF/  
SPOILER

SKI – WALK  
SYSTEM

FORWARD  
LEAN

CUFF  
ROTATION

SOLE

WEIGHT

SIZES

BINDING

LINER

61506/0927

unisex

black/orange

Pebax®

Carbon Fiber,  
Pebax®

Ultra-Lock  
System 2.0

15°-18°  
+ Release for  
walking

60°

CLAW

1210g (size 27.5)

22.5-30.5  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Light



TLT 6  
MOUNTAIN CL

61507/3302

Men

blue/yellow

Pebax®

Grilamid/Pebax®

Ultra-Lock  
System 2.0

15°-18°  
+ Release for  
walking

60°

CLAW

1195g (size 27.5)

25-30.5  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Light



TLT 6  
MOUNTAIN CR

61508/3302

Men

blue/yellow

Pebax®

Grilamid/Pebax®

Ultra-Lock  
System 2.0

15°-18°  
+ Release for  
walking

60°

CLAW

1310g (size 27.5)

25-30.5  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Ready



TLT 6 MOUNTAIN  
WOMEN'S CL

61509/8552

Women

azure/citro

Grilamid®

Grilamid®

Ultra-Lock  
System 2.0

15°-18°  
+ Release for  
walking

60°

CLAW

1070g (size 25.5)

22.5-27.5  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Light



TLT 6 MOUNTAIN  
WOMEN'S CR

61510/8552

Women

azure/citro

Grilamid®

Grilamid®

Ultra-Lock  
System 2.0

15°-18°  
+ Release for  
walking

60°

CLAW

1170g (size 25.5)










22.5-27.5  
+ 1/2 sizes

Dynafit Quick-Step-in

Custom Ready





		STYLE #	TYPE	COLOR	SHELL	CUFF/ SPOILER		SKI – WALK SYSTEM	FORWARD LEAN	CUFF ROTATION	SOLE	WEIGHT	SIZES	BINDING	LINER
	WINTER GUIDE GTX®	61505/5316	unisex	green/black	Pebax®	Pebax®		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1540g (size 27.5)	22.5-31.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready Gore-Tex®
	NEO PX CP	61403/5525	Men	green/blue	Pebax®	Pebax®		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1459g (size 27.5)	25-31.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Plus
	NEO WOMEN'S PX CP	61405/0105	Women	white/green	Pebax®	Pebax®		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1326g (size 25.5)	22.5-27.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Plus
	NEO PX CR	61404/5525	Men	green/blue	Pebax®	Pebax®		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1524g (size 27.5)	25-31.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready
	NEO Women's PX CR	61406/0105	Women	white/green	Pebax®	Pebax®		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1398g (size 25.5)	22.5-27.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready
	NEO U CR	61408/4501	Men	orange/blue	PU	PU		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1622g (size 27.5)	25-31.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready
	NEO Women's U CR	61410/3321	Women	fiji blue/green	PU	PU		Ultra-Lock System 2.0	15°-18° + Release for walking	60°	DYN Pro Touring	1488g (size 25.5)	22.5-27.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready
	Radical Men CR	61411/4113	Men	white/red	PU	PU		Motion Lock System	15°-21° + Release for walking	60°	Dynagrip Ultralight	1830g (size 27.5)	25-30.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready
	Radical Women CR	61412/0014	Women	white/fiji blue	PU	PU		Motion Lock System	15°-21° + Release for walking	60°	Dynagrip Ultralight	1675g (size 25.5)	22.5-27.5 + 1/2 sizes	Dynafit Quick-Step-in Standard Touring	Custom Ready

BOOTS &  
LINERS



VULCAN MS

STYLE #

TYPE

COLOR

SHELL

CUFF/  
SPOILER

SKI – WALK  
SYSTEM

FORWARD  
LEAN

CUFF  
ROTATION

SOLE

WEIGHT

SIZES

BINDING

LINER

61501/5316

unisex

green/black

Pebax®

Fiberglass/Pebax®

Ultra-Lock  
System 2.0

15°-18°  
+ Release for  
walking

60°

DYN Pro  
Alpine

1615g (size 27.5)

22.5-31.5  
+ 1/2 sizes

Dynafit Quick-Step-in  
Standard Touring

Custom Plus



KHIÔN CARBON

61504/0111

unisex

white/carbon

Pebax®/  
Carbon Fiber

Pebax®/  
Carbon Fiber/  
Magnesium

Precision Lock  
System

16°  
+ Release for  
walking

90°

Formula  
Pomoca

1530g (size 27.5)

23-31.5  
+ 1/2 sizes

Dynafit Quick-Step-in  
Standard Touring

Custom Ready



KHIÔN MS

61502/0804

Men

antracite/black

Pebax®

Pebax®/  
Magnesium

Precision Lock  
System

16°  
+ Release for  
walking

90°

Formula  
Pomoca

1530g (size 27.5)

25-31.5  
+ 1/2 sizes

Dynafit Quick-Step-in  
Standard Touring

Custom Ready



KHIÔN MS

61502/4032

Men

yellow/black

Pebax®

Pebax®/  
Magnesium

Precision Lock  
System

16°  
+ Release for  
walking

90°

Formula  
Pomoca

1530g (size 27.5)

25-31.5  
+ 1/2 sizes

Dynafit Quick-Step-in  
Standard Touring

Custom Ready



KHIÔN WS

61503/6121

Women

pink/black

Pebax®

Pebax®/  
Magnesium

Precision Lock  
System

16°  
+ Release for  
walking

90°

Formula  
Pomoca

1370g (size 25.5)

23-27.5  
+ 1/2 sizes

Dynafit Quick-Step-in  
Standard Touring

Custom Ready

BOOTS &  
LINERS