

SUPER  
ROCKER

$$\text{Radius} = (l - e)^2 / (20 \cdot (s + t - 2p))$$

$$\begin{aligned} LH &= LW \cdot 0.1 \\ L1 &= (LTOT - LW) \cdot 0.8 \\ L2 &= LW \cdot 0.9 \\ LS &= L1 + LW \\ L &= L1 + L2 \\ R &= L2 \\ &= 2000 \cdot (S + H - 2 \cdot W) \end{aligned}$$

ULTRA  
LIGHT  
FIBERGLASS STABILIZER - PAULOWNIA CORE - CARBON ARAMID BASE

NEOTERIC  
CAMBER

Krumpe 80

NEOTERIC CAMBER

FIBERGLASS MEDIUM LIGHT



SPEARHEAD  
WHYPER  
KRUMPE  
JEAGER



- 1) Light red triangle  
 $\cos = W/L$
- 2) light blue triangle  
 $\cos = L/4/R$
- 3) (1)&(2)  $\Rightarrow R = L^2 / (4 \cdot W)$



Scan to watch  
on

🔥 THIS COULD BE HEAVEN OR THIS COULD BE HELL 🔥  
"Eagles"



MOUNTAIN  
ESSENTIALS

Krumpe 80

NEOTERIC CAMBER

FIBERGLASS MEDIUM LIGHT



👹 THIS COULD BE HEAVEN OR THIS COULD BE HELL 👹  
"Eagles"

### [SOLID TOURING]

KRUMPE is a MEDIUMLIGHT all-mountain, freeride touring ski that whose edge-to-edge quickness and power through the turn makes it a solid and precise carving machine.

FIBERGLASS/POPLAR MEDIUMLIGHT (ML) CONSTRUCTION makes this a fun and responsive freetouring ski.

If you're looking for an all-mountain freeride touring ski that is as good at railing turns in your favorite resort as it is sending steep couloirs in the backcountry, the KRUMPE is the ski for you.

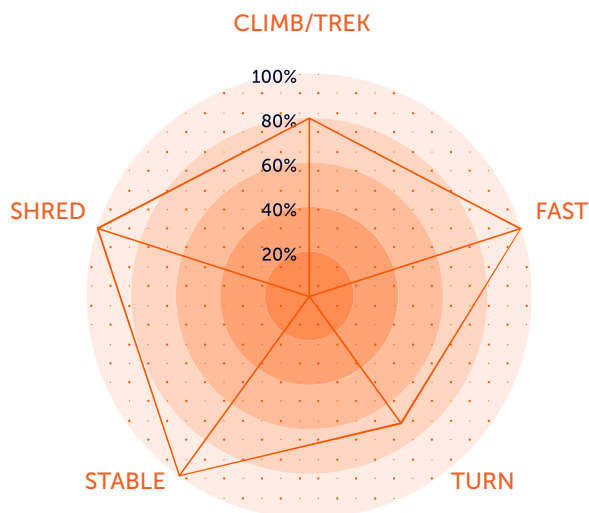
ISOSPORT 7500 base is a pro-quality, racing base with 15% carbon for fast glide and outstanding durability.



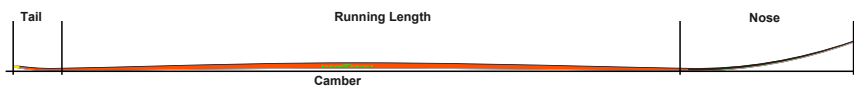
NEOTERIC  
CAMBER

BALANCED  
FLEX

SIZE: [156] [164] [172] [180] [188]



#### SKI PROFILE SHAPE



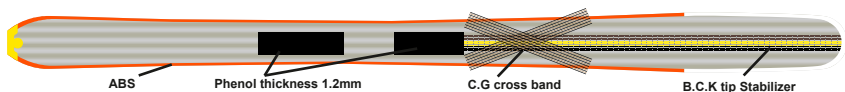
#### KRUMPE TOP-SHEET



#### FIBER GLASS 60-24



#### POPLAR WOOD CORE



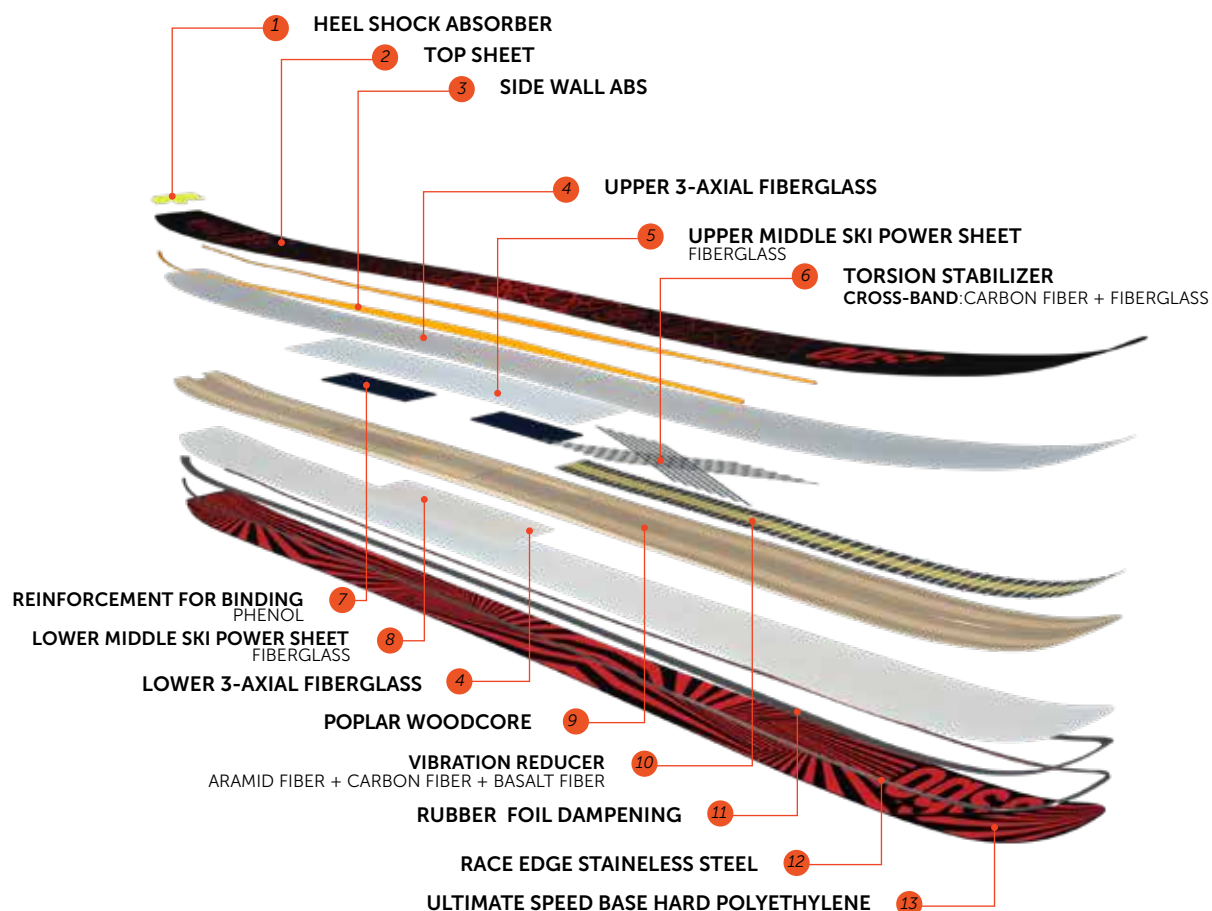
#### FIBER GLASS 60-24



#### KRUMPE BASE-SHEET IS 7500



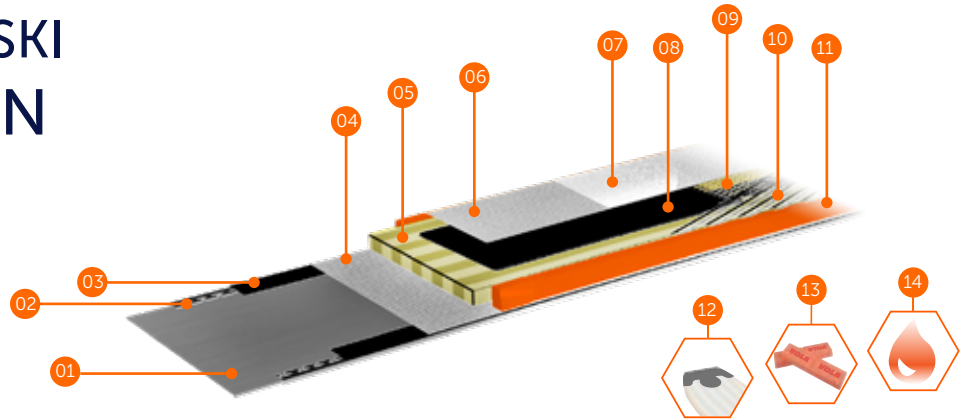
Base thickness 1.2mm



## KRUMPE 80 NEOTERIC MEDIUM LIGHT

Commercial Length (cm)	156	164	172	180	188
A: Flat Length (cm)	155,4	164,05	172,2	180,05	187,7
B: Air Length (cm)	155,0	163,6	171,7	179,5	187,1
Surface Area (cm <sup>2</sup> )	1427,0	1545,0	1667,0	1777,0	1893,0
Weight (kg)	1,55	1,65	1,75	1,85	1,95
Width Measures: Front, Middle, Back (mm)	113,80,99	117,82,102	121,84,105	123,86,107	125,88,108
Radius Average (m)	14	15	16	18	20
Radius Center (m)	12	13	14	16	18
Nose Rise Length (mm)	300	300	300	300	300
Tail Length (mm)	80	80	80	80	80
Front Rocker Length (mm)	NO ROCKER				
Back Rocker Length (mm)					
Running Length (mm)	1180	1260	1340	1420	1500
Camber Height (mm)	5	5	5	5	5
Nose Height (mm)	51	51	51	51	51
Tail Height (mm)	9	9	9	9	9
E: Middle Boot From Tail including tail protection (mm)	665	700	735	770	805

# MEDIUM LIGHT SKI COMPOSITION



## 01 BASE SHEET IS 7500

[www.isosport.com](http://www.isosport.com)



- Transparent.
- Made of premium crosslink polyethylene.
- Good abrasion resistance, very low stress level.
- Modified with wax for better gliding.

## 02 STAINLESS EDGE

[www.waelzholz.com](http://www.waelzholz.com)



The steel racing edge provides smooth flex and minimal friction resistance.

The main characteristics of stainless steel are as follows:

- High durability
- Good ductility
- Optimal gliding behaviour
- Improved adhesion
- High mechanical strength

## 03 RUBBER

[www.haberkorn.ch](http://www.haberkorn.ch)



Thin rubber used between the metal edge and fiberglass layers to minimize shearing-induced delamination. Equalising temperature-related expansion and differing stress-strain coefficients.

Suitability for use over a wide temperature range. Vibration damping up to the point of component

## 04 FIBERGLASS 60-24

[www.pgtext.cn](http://www.pgtext.cn)



E-glass fibre products are particularly resistant to abrasion and vibration and have excellent flexibility.

The glass thread has a higher specific resistance (tensile strength/volumetric mass) than that of steel.

This feature makes it possible to develop glass threads that reinforce high performance composites.

The main characteristics of Fiberglass are as follows:

- Good resistance to abrasion and vibrations
- Rot-resistant
- Excellent dielectric strength
- Excellent dimensional stability

## 05 POPLAR WOOD CORE

FSC certified forest management.

Poplar wood is tough, with high mechanical strength and strong corrosion resistance; moderate hardness and strength.

Poplar woodcore have several advantages such as:

Very good ratio of weight, flexibility, stability and torsion,  
Low weight when compared to other cores  
Flexible application possibilities,



## 07 TOP SHEET 5275

[www.isosport.com](http://www.isosport.com)



The main characteristics of polyamides are :

- Resistance to aging over long periods.
- High mechanical strength and high rigidity.
- Functional tenacity even at low temperatures.
- Excellent dielectric properties.
- Good resistance to abrasion.

## 08 PHENOL REINFORCEMENT FOR BINDING

[www.isosport.com](http://www.isosport.com)



In this material, the high-strength papers are impregnated with phenolic resins and compressed into sheets of durable, durable and reactive material. This material is characterized by its excellent mechanical properties to hold the screws in place.

## 09 VIBRATION & CRACKING REDUCER

*BAND (basalt-fiber+carbon-fiber+aramid fiber)*

[www.chomarat.com](http://www.chomarat.com)



The unidirectional ribbon is composed from a carbon frame that surrounds a large basalt and kevlar fiber core in a continuous weft.

The Carbon frame provides:

- High stiffness
- High tensile strength
- Excellent impact resistance

The Basalt & Kevlar core provides:

- Excellent dielectric insulation
- High modulus of elasticity
- Excellent vibration damping

## 10 TORSION STABILIZER

*CROSS-BAND (carbon fiber+fiberglass)*

[www.chomarat.com](http://www.chomarat.com)



The ribbon is unidirectional carbon fiber with continuous weft. It is a light and open reinforcement.

- Narrow ribbons
- Excellent alignment of fibers
- Less crimped with good mechanical properties at 0°
- Ensures the rigidity and stability of the parts

## 11 SIDE WALL ABS

[www.isosport.com](http://www.isosport.com)



Especially designed for winter sport applications. Charpy impact strength notched: +23 C°/-25C° ISO DUR ID1000-147

## 12 HEEL SHOCK ABSORBER

The material we use is ELASTOLLAN R1000 from BASF.

Glass fibre reinforced thermoplastic Polyester-Polyurethane-Elastomer with exceptional properties, very

high impact resistance, high modulus with at the same time elasticity, low coefficient of thermal expansion comparable with steel and aluminium.

- Modulus of elasticity - tensile test : 1000MPa
- Density : 1.36g/cm³
- Hardness : 60 Shore D
- Glass-fiber content : 20%
- Tensile strength : 50MPa
- Impact + notch strength : +23  
-30

Injected by Injection 74

[www.polyurethanes.basf.com](http://www.polyurethanes.basf.com)

[www.injection74.com](http://www.injection74.com)



## 13 VOLA WAX

[www.vola.fr](http://www.vola.fr)



Racing universal wax 500G orange.

Ski wax improves the coefficient of friction performance under varying snow conditions.

Universal 500G designed to match with the varying properties of snow, including crystal type and size, and moisture content of the snow surface, which vary with temperature of the snow.

## 14 RESIN

[www.sicomon.com](http://www.sicomon.com)



Bio Based resin is outcoming from the latest innovations in bio-based chemistry.

Bio Based resin is produced with a high content of carbon from plant origin.

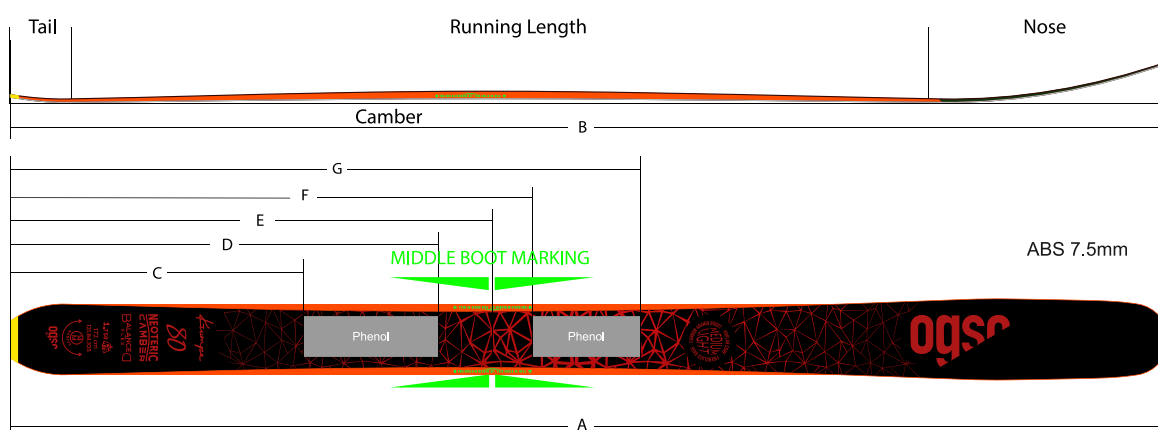
The bio-based Carbon content of our supplier's system is certified by an independent laboratory using Carbon 14 measurements (ASTM D6866 or XP CEN/TS 16640)

This is a significant technological advance on the following points: Clarity, colour, performances and guarantees of industrial tonnages availability.

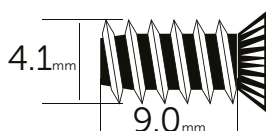


## KRUMPE 80 NEOTERIC MEDIUM LIGHT

Commercial Length (cm)	156	164	172	180	188
A: Flat Length (cm)	155,4	164,05	172,2	180,05	187,7
B: Air Length (cm)	155,0	163,6	171,7	179,5	187,1
C: Start rear phenol	385	420	455	490	525
D: End rear phenol	585	620	655	690	725
E: Middle Boot From Tail including tail protection (mm)	665	700	735	770	805
F: Start front phenol	725	760	795	830	865
G: End front phenol	885	920	955	990	1025



## SCREWS RECOMMENDED MEDIUM LIGHT SERIES



## SHARPENED STEEL EDGE AREA

