

SUPER
ROCKER

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

$$LH = LW * 0.1$$

$$L1 = (LTOT - LW) * 0.8$$

$$L2 = LW * 0.9$$

$$LS = L1 + LW$$

$$L = L1 + L2$$

$$R = \frac{L2}{2000 * (S + H - 2 * W)}$$

ULTRA
LIGHT

PAULOWNIA CORE · CARBON B ARAMID BASE · FIBERGLASS STABILIZER

NEOTERIC
CAMBER

COSMIQUE qo

SUPER ROCKER CARBON ULTRA LIGHT



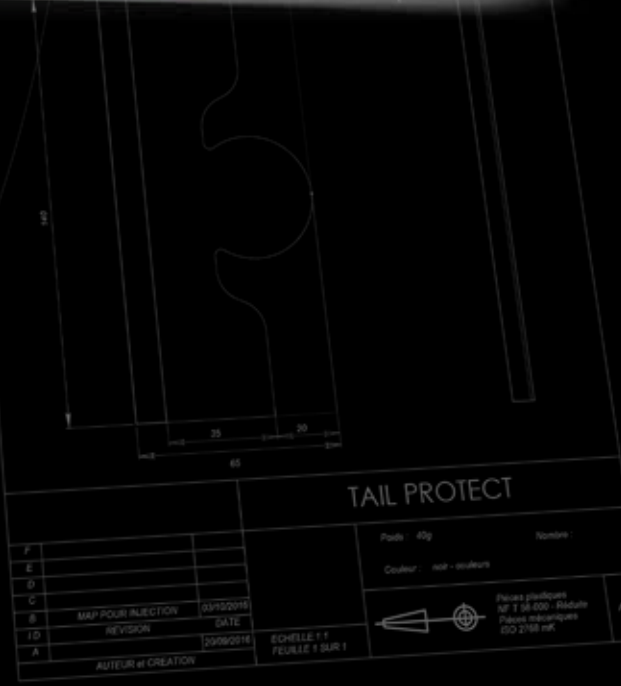
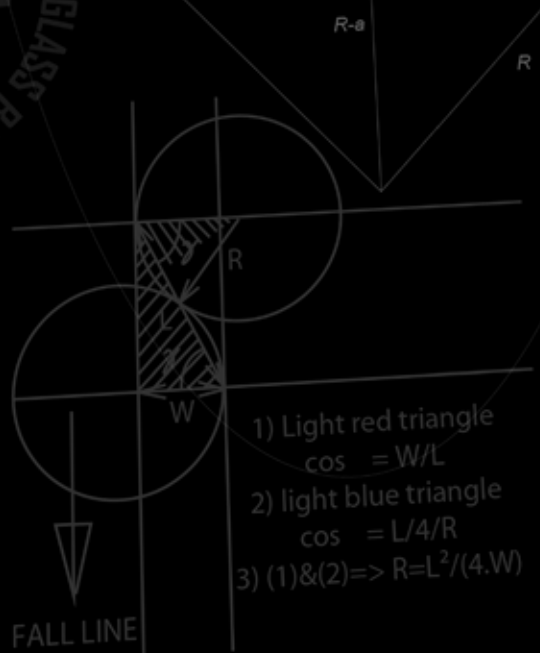
Middle Foot

woodCore

ogso

ogso

* COSMIQUE
* THOR *
* GERVASUTTI
DANAIDES...



Scan to watch on

♥ There she stood in the DOOR way ***
"Eagles"



MOUNTAIN ESSENTIALS

COSMIQUE 90

SUPER ROCKER

CARBON ULTRA LIGHT



♥ There she stood in the DOOR way ***
"Eagles"

[ULTRA TOURING]

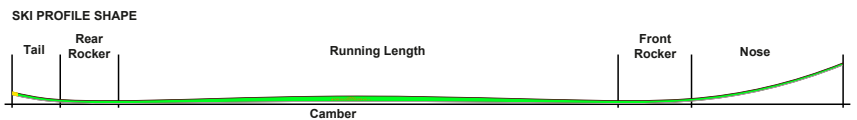
As one of our most successful skis, COSMIQUE is a versatile, fun, ULTRALIGHT TOURING ski for your biggest days out as well as confident, effortless, multi-terrain skiing.

If you're looking for an ultralight touring ski with excellent float and that skis easily in a wide variety of conditions, then COSMIQUE is the ski for you.

An ISOSPORT 7510 base is a racing standard base that provides fast glide and outstanding durability.



SIZE: [160] [168] [176] [184] [192]



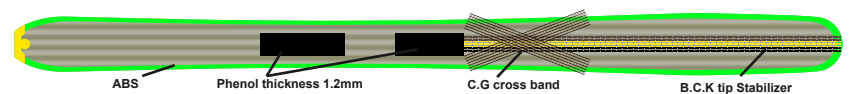
COSMIQUE TOP-SHEET



CK-700 CARBON



PAULOWNIA WOOD CORE



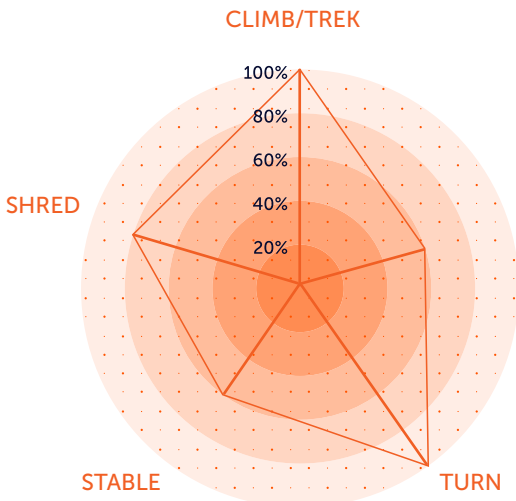
CK-700 CARBON

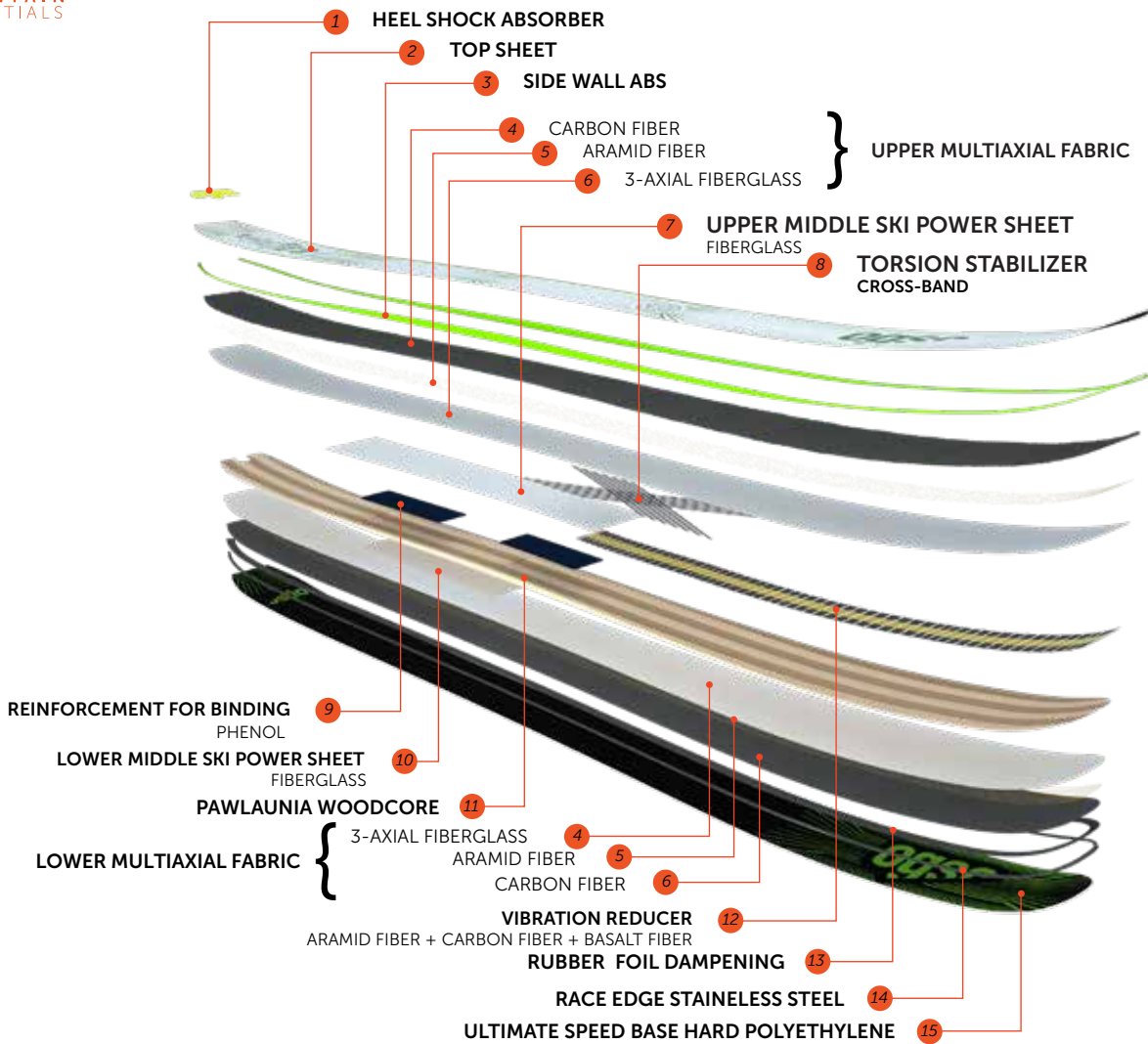


COSMIQUE BASE-SHEET IS 7510



Base thickness 1.2mm

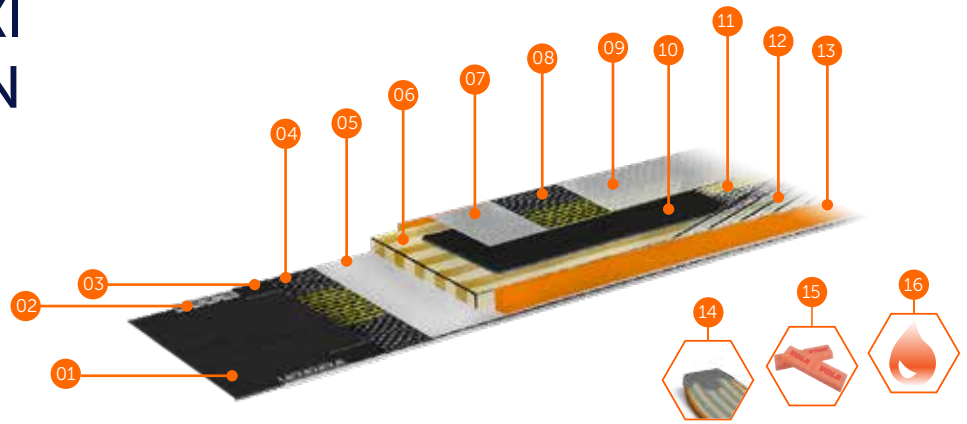




Cosmique 90 SUPER ROCKER ULTRALIGHT

Commercial Length (cm)	160	168	176	184	192
A: Flat Length (cm)	159,85	168	176,05	184,1	191,65
B: Air Length (cm)	159,4	167,5	175,5	183,5	191
Surface Area (cm ²)	1609	1737	1871	2010	2136
Weight (kg)	1,2	1,3	1,4	1,5	1,6
Width Measures: Front, Middle, Back (mm)	120,91,107	124,93,110	128,95,113	132,98,116	135,100,118
Radius Average (m)	16	17	18	20	22
Radius Center (m)	14	15	16	18	20
Nose Rise Length (mm)	290	295	310	325	340
Tail Length (mm)	80	85	90	95	100
Front Rocker Length (mm)	120	130	140	150	160
Back Rocker Length (mm)	120	130	140	150	160
Running Length (mm)	990	1040	1080	1120	1160
Camber Height (mm)	4	4	4	4	4
Nose Height (mm)	69	69	69	69	69
Tail Height (mm)	19	19	19	19	19
E: Middle Boot From Tail including tail protection (mm)	670	707,5	740	772,5	805

ULTRA LIGHT SKI COMPOSITION



01 BASE SHEET IS 7510

www.isosport.com

- Black carbon 10-15%
- Made of premium crosslink polyethylene.
- Good abrasion resistance, very low stress level.
- Modified with wax for better gliding.

02 STAINLESS EDGE

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

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 decoupling.

04 CARBON FIBER CK-700

www.pgtext.cn

Carbon fibers or carbon fibres are fibers about 5–10 micrometres in diameter and composed mostly of carbon atoms.

Carbon fibers have several advantages such as:

- High stiffness,
- High tensile strength,
- Low weight,
- High chemical resistance,
- High temperature tolerance and low thermal expansion.

Its main use is to serve as a reinforcement in composite materials, which makes it possible to obtain parts having good mechanical properties while being significantly lighter than metal parts. These properties have made carbon fiber very popular in aerospace, civil engineering, military, and motorsports, along with other competition sports.

05 FIBER GLASS 60-24

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

06 PAULOWNIA WOOD CORE

FSC certified forest management. Paulownia is the wood of the phoenix tree. The paulownia wood is tall and straight. It is the leader among the trees. Paulownia is one of the lightest woods. It has the unique characteristics of resistance to rot, acid and alkali.



09 TOP SHEET 5275

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.

10 PHENOL REINFORCEMENT FOR BINDING

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.

11 VIBRATION & CRACKING REDUCER

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

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

12 TORSION STABILIZER

CROSS-BAND (carbon fiber+fiberglass)

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

13 SIDE WALL ABS

www.isosport.com

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

14 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
www.injection74.com



15 VOLA WAX

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.

16 RESIN

www.sicomin.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.

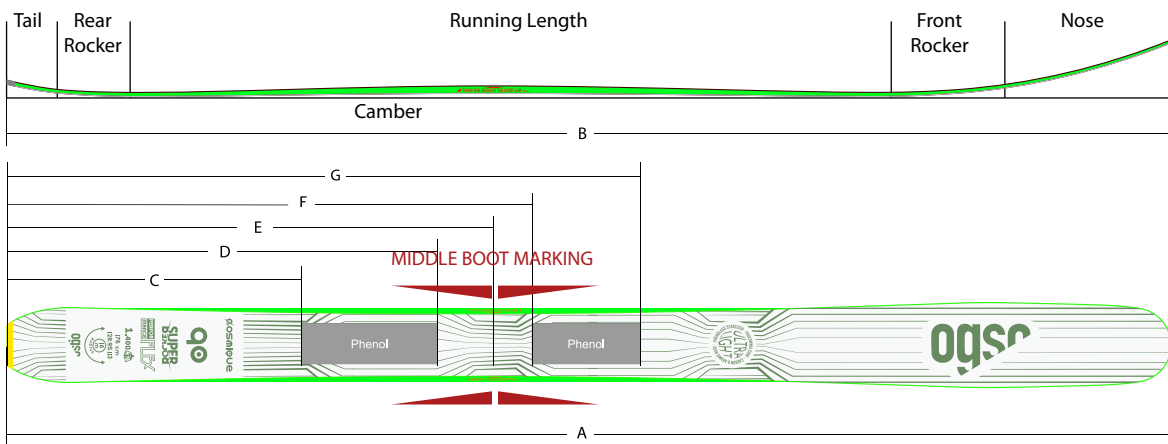
The bio-based Carbon content of our supplier's system is certified by an independent laboratory using Carbon 14 measurements (ASTM D6866 or XP CEN/TS 16640)

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



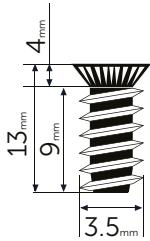
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A: Flat Length (cm)	159,85	168	176,05	184,1	191,65
B: Air Length (cm)	159,4	167,5	175,5	183,5	191
C: Start rear phenol	390	427,5	460	492,5	525
D: End rear phenol	590	627,5	660	692,5	725
E: Middle Boot From Tail including tail protection (mm)	670	707,5	740	772,5	805
F: Start front phenol	730	767,5	800	832,5	865
G: End front phenol	890	927,5	960	992,5	1025



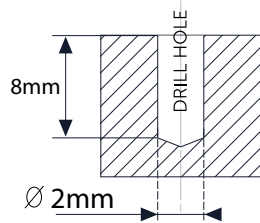
RECOMMENDED SCREW SIZE

ULTRA LIGHT SERIES

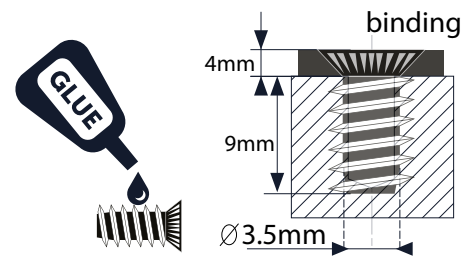


RECOMMENDED DRILL HOLE

ULTRA LIGHT SERIES

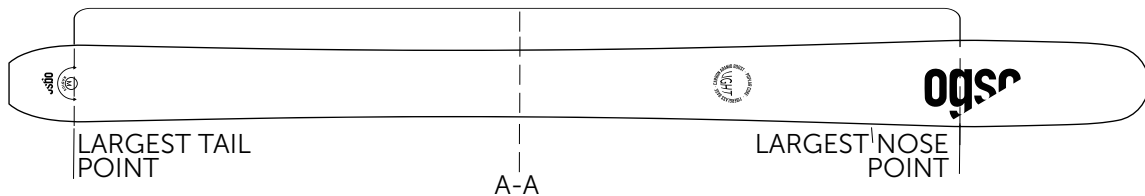


RECOMMENDED SCREWS TIGHTENING



OGSO screw size recommendation is not obligatory. The screws coming with your binding will do the job just as well. Don't forget to apply glue to the screw before placing it in the drill hole. We recommend you choose a drill hole 1.5 mm smaller than the screw you select to ensure a tight fit.

SHARPENED STEEL EDGE AREA



EDGE ANGLE A-A

