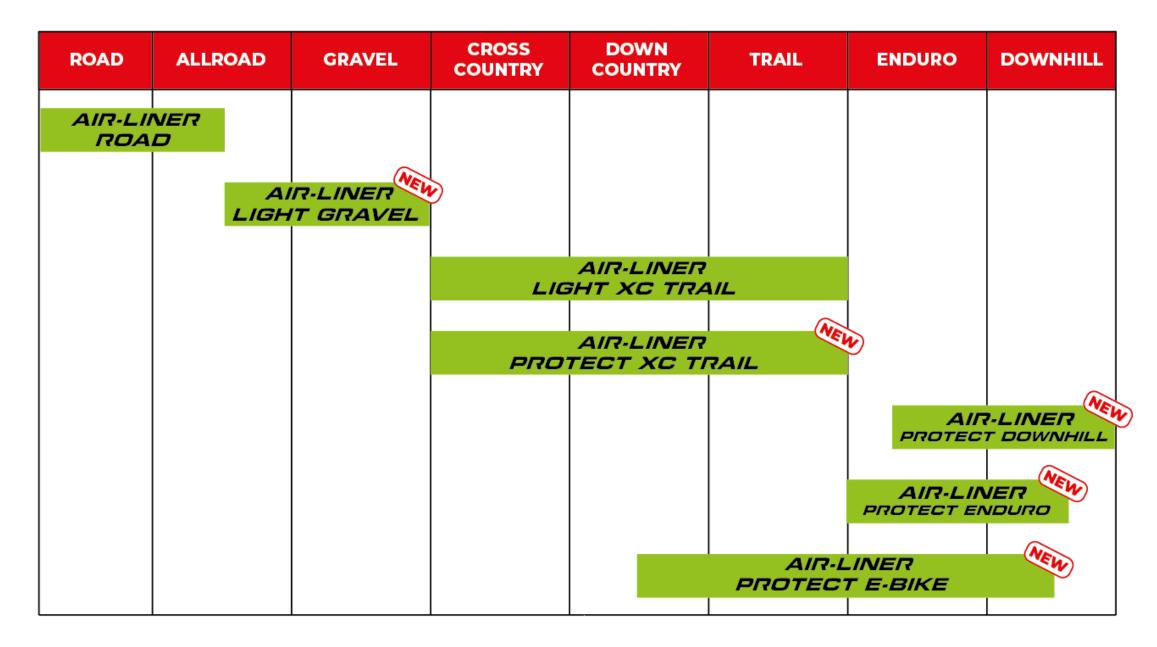
AIR-LINER range overview x market segment





A/R-L/NER My25



AIR-LINER range specification overview

SEGMENT	RANGE	PRODUCT	SHAPE	WHEEL		TIRE SECTION		WEIGHT	EST.
	RANGE			RIM Ø	RIM WIDTH	MIN	MAX	WEIGHT	LAUNCH
ROAD	Air-Liner Road	AIR-LINER Road S			19/21mm	23mm	25mm	25g	N/A
		AIR-LINER Road M		700 - 28"	19/21mm	25mm	28mm	30g	N/A
		AIR-LINER Road L			21/23mm	28mm	32mm	35g	N/A
GRAVEL	Air-Liner Light	AIR-LINER LIGHT Gravel		700 - 650B	23/25mm	42mm	50mm	40/45g	May-24
- TRAIL	Air-Liner Light	AIR-LINER LIGHT XC-Trail		29"	25/30mm	50mm 2.1"	60mm 2.4"	55g	N/A
×c - JX	Air-Liner Protect	AIR-LINER PROTECT XC-Trail		29"	25/30mm	50mm 2.1"	60mm 2.4"	100g	Jul-24
Ŧ	Air-Liner Protect	AIR-LINER PROTECT E-Bike		27.5" - 29"	30/35mm	60mm 2.4"	66mm 2.6"	145g	Jul-24
ENDURO - DH		AIR-LINER PROTECT Enduro		27.5" - 29"	28/35mm	60mm 2.4"	66mm 2.6"	130/135g	Feb-24
Ē		AIR-LINER PROTECT Downhill		21.5" - 29"				170/180g	Feb-24

LAB & FIELD TEST

Cutting resistance test



This test measure the cutting resistance of the foam

Drop Tower test



This test measure the rim impact protection provided by the insert in

the event of heavy impacts.

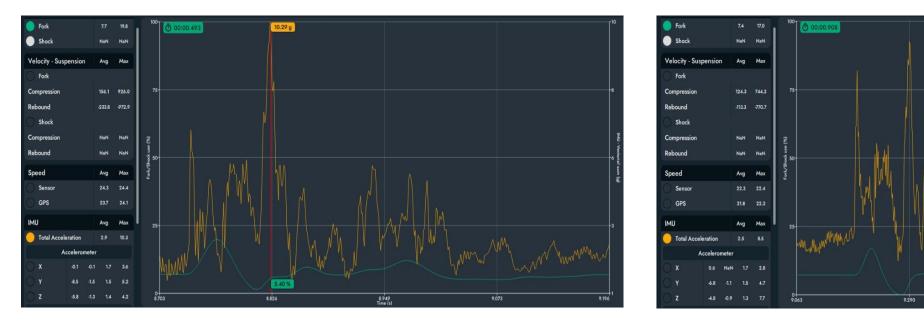
Telemetry field test



TEST SET UP:

Rider weight: 90Kg Bike weight: 13Kg Total riding weight: 103kg Bike: Hardtail, steel frame Tires: Vittoria Barzo 29"x 2.25" TLR Internal rim width: 30mm Telemetry detection system: BYB Obstacle: Steel bar (height: 45mm) Impact speed: 20km/h Rider position: seated on saddle.

Telemetry field test #1



Tubeless system without Air-Liner, Inflating pressure 1.8BAR:

Tubeless system with Air-Liner, Inflating pressure 1.8BAR:

Ing a wand we want for and the way

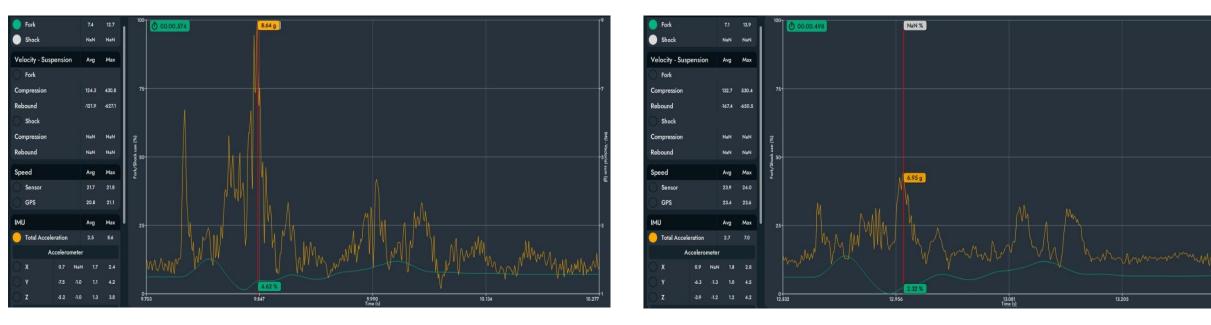
9.744

NaN %

9.517

DUTCOMES: Without Air-Liner Light the acceleration peak reached 10.3G on the impact generated by the wheel and the steel bar. The front suspension average travel was at 7,7%. With Air-Liner light the acceleration peak reached 8,5G on the impact generated by the wheel and the steel bar. The front suspension average travel was at 7,4%. The reduction of acceleration by using the Air-Liner Light is about 17,5%

Telemetry field test #2



Tubeless system with Air-Liner, Inflating pressure 1.1BAR:

Tubeless system without Air-Liner, Inflating pressure 1.1BAR:

DUTCOMES: Without Air-Liner Light the acceleration peak reached 8,66 on the impact generated by the wheel and the steel bar. The front suspension average travel was at 7,4%. With Air-Liner light the acceleration peak reached 6,96 on the impact generated by the wheel and the steel bar. The front suspension average travel was at 7,1%. The reduction of acceleration by using the Air-Liner Light is about 19,5%

CONCLUSIONS: Since the acceleration (G) represents the vibration precepted by the rider, the use of Air-Liner Light improves the rider comfort and works like a vibration damper.

Dynamic compression

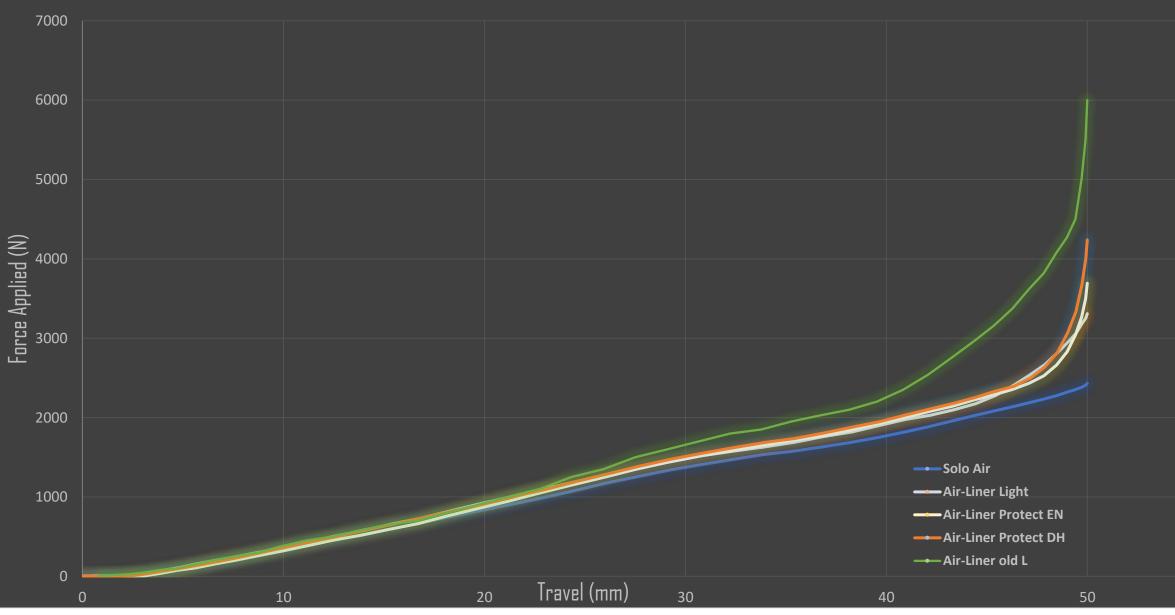


With this test we can measure the behaviour of the wheel system under the load and simulate what happens in real life.

TEST SET-UP:

Tire: Vittoria Mazza Race 29"x2.4" Inflating pressure: 1.5 BAR Inner rim channel: 30mm

DYNAMIC COMPRESSION COMPARISON



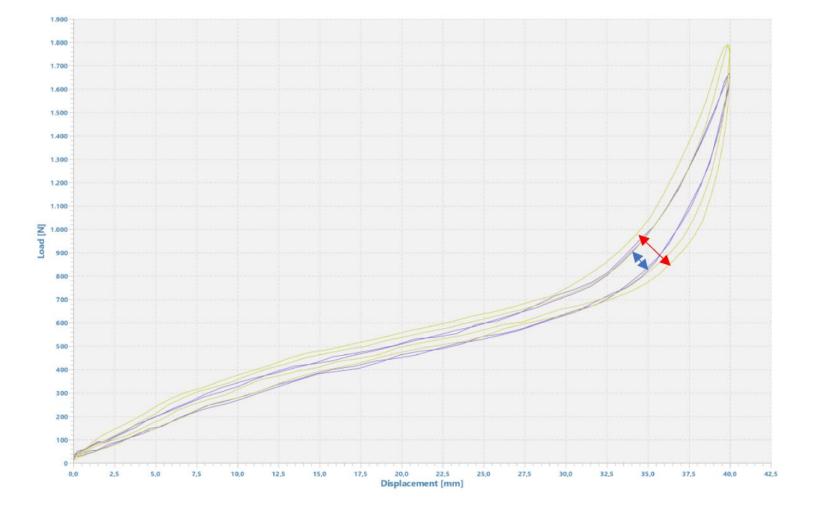
Dynamic hysteresis test

VIOLET LINE

TUBELESS SYSTEM SET-UP: Tire: Vittoria Mezcal 29x2.25 Inflating pressure: 1 BAR (14.5psi) Insert: Air-Liner Light Internal rim width: 30mm Sealant: 60ml Vittoria Universal sealant

GREEN LINE

TUBELESS SYSTEM SET-UP: Tire: Vittoria Mezcal 29x2.25 Inflating pressure: 1 BAR (14.5psi) Insert: Air-Liner MTB size Small Internal rim width: 30mm Sealant: 60ml Vittoria Universal sealant





Foam expansion and run flat support

Images captured with a stethoscope positioned inside of the tire









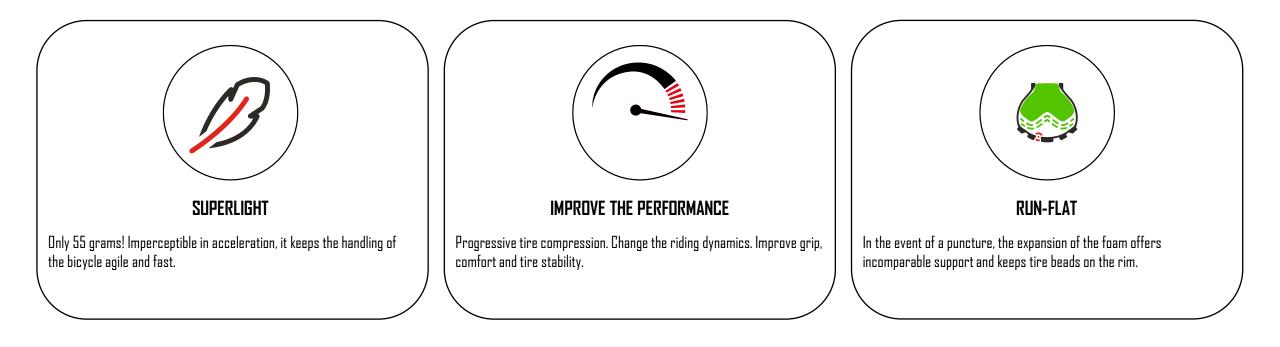
AIR-LINER LIGHT

XC-TRAIL



Market segments and main characteristics

Road	AllRoad	Gravel	Cross Country	Down Country	Trail	Enduro	Downhill
			AIR-LINER				
			LIGHT XC TRAIL				



Vvittoria®

Technical improvements

V

The two upper prominences were designed perpendicular to the edges of rim walls to increase the rim protection. The outer concave profile maximizes the volume of the air inside of the tire and reduce the weight.

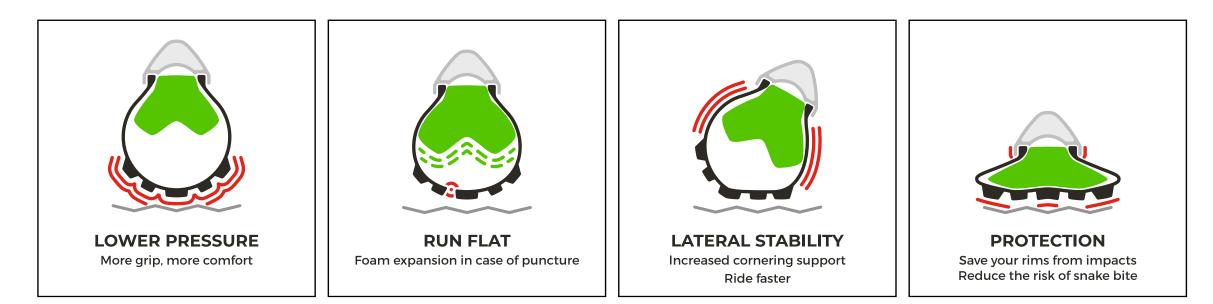
The lateral profile supports the tire sidewall and increase the lateral stability of the tire on high-speed curves.

The lower profile helps the tire beads retention reducing the tire burping.

Vvittoria®

The Vittoria Multiway valves allow the inflation and deflation of the system thanks to three lateral radial holes.

Performance improvements







AIR-LINER PROTECT

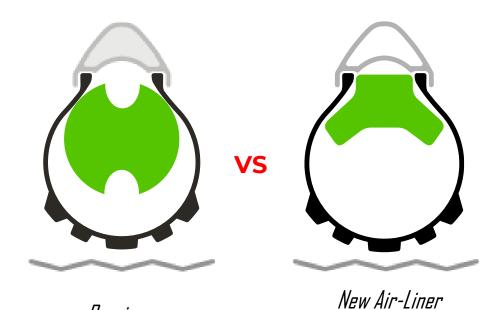
ENDURO - DOWNHILL



Target improvements VS old Air-Liner

PROTECT

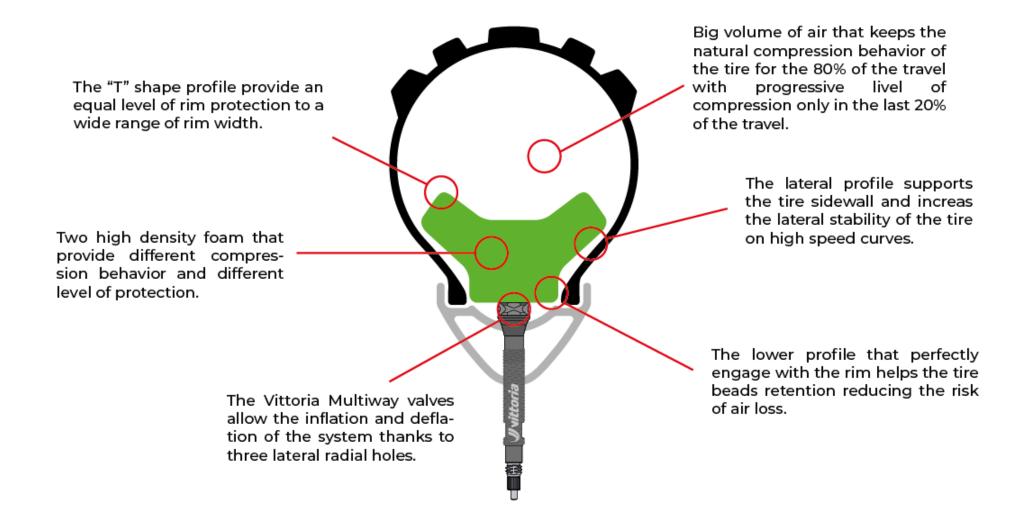
Endura/Dawnhill



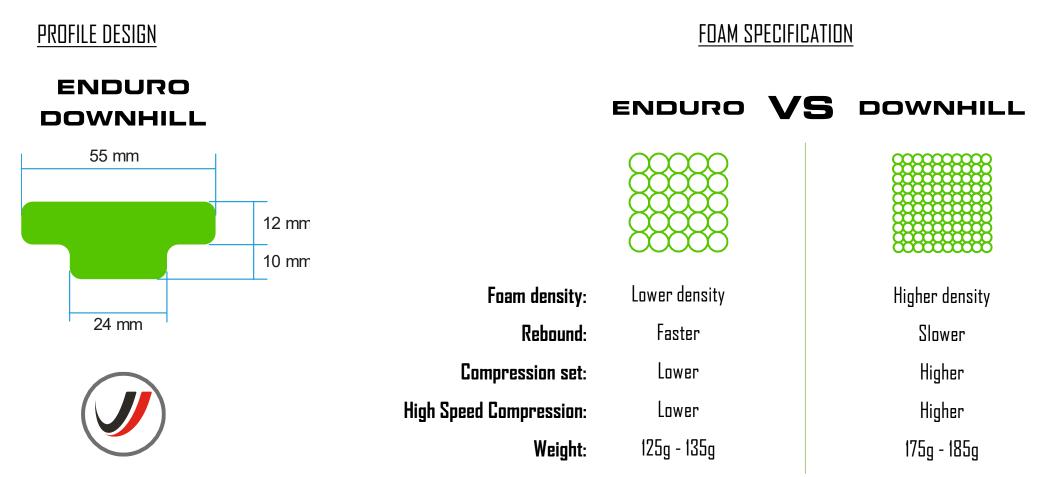
Previous Air-Liner MTB Provide a specific product for Enduro and Downhill racing

- Improve the natural riding feeling of the system
- Improve the rim protection
- Reduce the weight of the system
- Increase the air volume inside of the tire
- Increase the lateral stability and bead retention on the rim
- Reduce the rolling resistance
- Tuneable system

Technical improvements



Technical specification

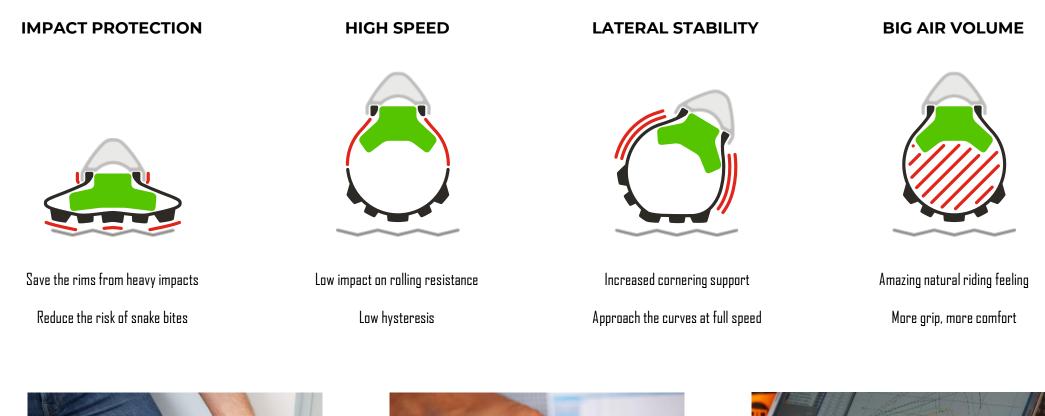


European patented shape profile

AMORPHOUS FLUID MATERIAL

Faster the impact higher the protection level

Performance improvements



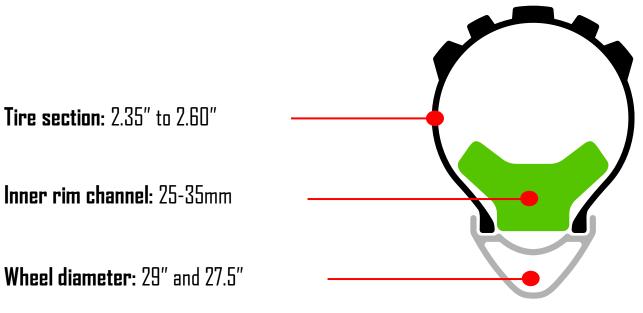






Market segment and tire compatibility

Road	AllRoad	Gravel	Cross Country	Down Country	Trail	Enduro	Downhill
						AIR-LINER PROTECT DOWNHILL	
						AIR-LIN PROTECT EN	



E-Bike Approved

SKU's:

- Air-Liner Protect Enduro 29"
- Air-Liner Protect Enduro 27.5"
- Air-Liner Protect Downhill 29"
- Air-Liner Protect Downhill 27.5"

AIR-LINER Protect Enduro & Downhill overview

PERFORMANCE vs COMPETITORS:

PACKAGING:







1x Air+Liner + 1x Tubeless Valve 40mm

AM Pack: 240x350xh70mm Master carton: 730x365xh500 mm Master carton quantity: 20pcs

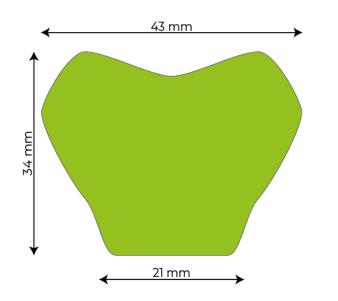


AIR-LINER Light Gravel

PROFILE DRAWING:

PERFORMANCE vs COMPETITORS:

PACKAGING:



Low density foam Monocompound

Rim: 700c and 650b Tire section: 42/50mm





1x Air-Liner + 1x Tubeless Valve 60mm

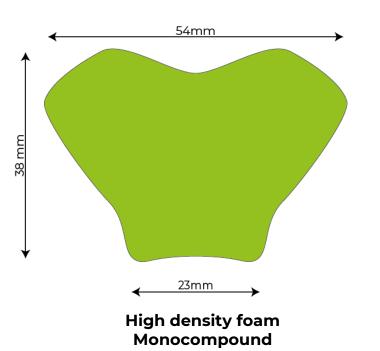
AM Pack: 350x480xh50mm Master carton: 730x365xh500 mm Master carton quantity: 14pcs



PROFILE DRAWING:

PERFORMANCE vs COMPETITORS:

PACKAGING:



One size: 29"x 2.1/2.4"





Product suggested for Light E-Bikes

<image><section-header>

1x Air-Liner + 1x Tubeless Valve 40mm

AM Pack: 350x480xh70mm Master carton: 730x365xh500 mm Master carton quantity: 10pcs

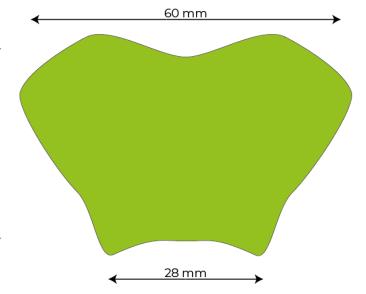


AIR-LINER Protect E-Bike

PROFILE DRAWING:

PERFORMANCE vs COMPETITORS:

PACKAGING:



High density foam Monocompound

Two sizes: 29" and 27.5 x 2.4/2.6"





<image>

1x Air+Liner + 1x Tubeless Valve 40mm

AM Pack: 355x480xh70mm Master carton: 730x365xh500 mm Master carton quantity: 10pcs

AIR-LINER packaging lineup



All packaging designed to fit into AIR-LINER

<u>Display</u>

All AM packaging will be ESC certified

