



# MYLAPS BIBTAG SIDE ANTENNA

The UHF Side Antenna with a unique compact design, high read rates and a fast setup.



## Works with BibTag

Made for the BibTag system. Compatible with all Tags: BibTag, ThinTag and MultiSports Tag.



## Highest Read Rates

Industry leading read rates due to the unique design and perfect integration with the proven BibTag system.



## Integrated Stand

No tripods required! Very stable design with four contact points and option to use BibTag Decoder as weight for additional stability.



## Dual Antenna Design

Dual Antennas design set at different angles allows for increased read rates.

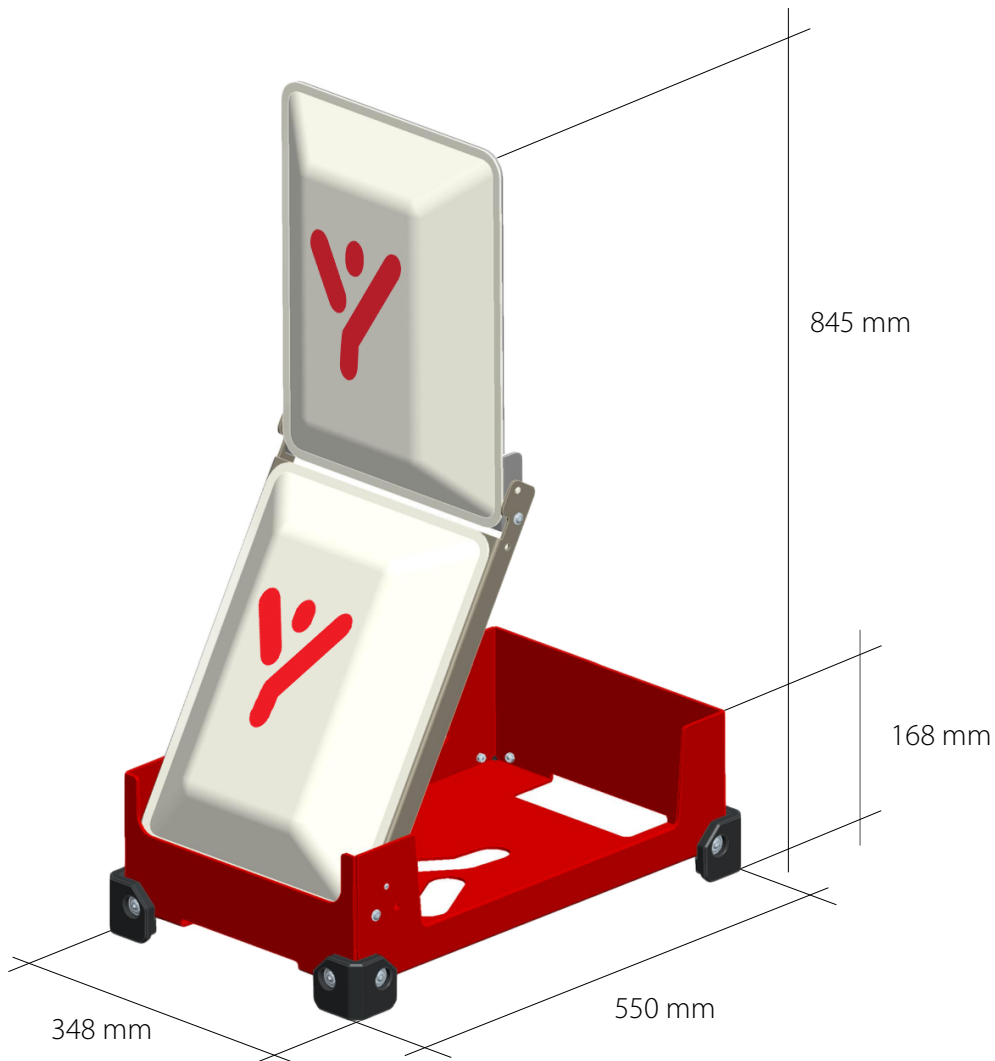


## Portable + Stackable

The weight of 4 BibTag Side Antennas, needed for a complete 8m timeline is only 20 kg / 44 pounds.



## Product specification



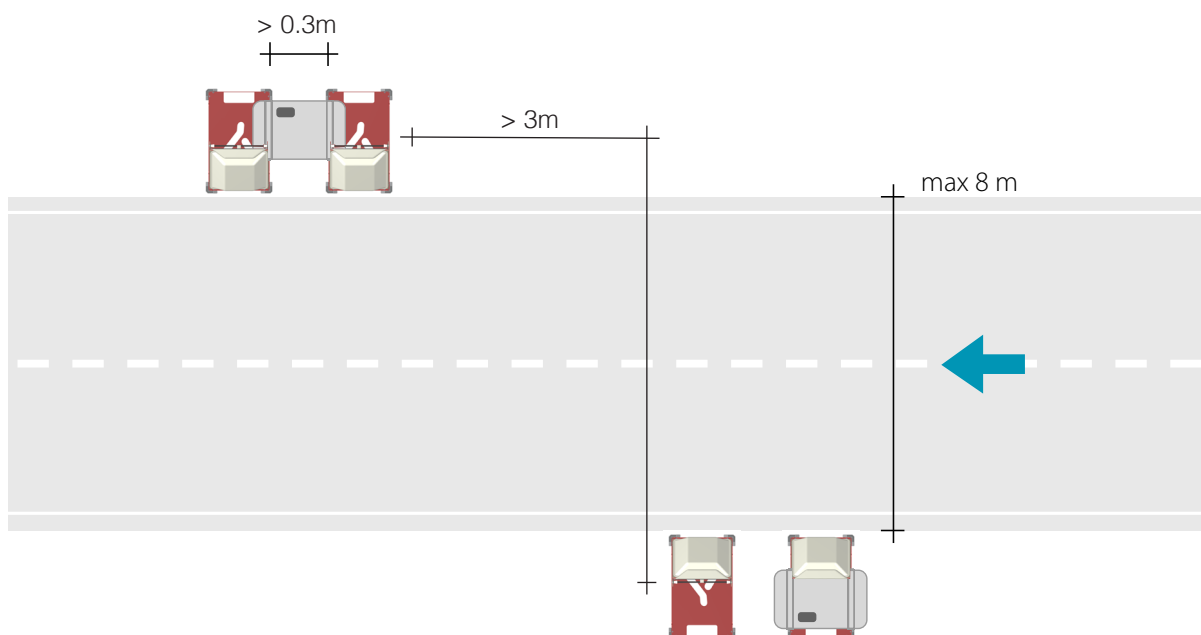
Weight	5 kg (11lbs)
Dimensions (folded)	168 x 550 x 348 mm (6.5" x 21.6" x 13.4")
Height (unfolded)	845 mm (33.3")
IP Protection Class	IP 65
Radiation pattern	Horizontal
Output based on UHF regulation	2W / antenna (average)
Antenna impedance	50 $\Omega$
Including Cables	2 x 1500 mm (4' 11")

## Dual Antenna Design



Because of the unique dual antenna design of the MYLAPS BibTag Side Antenna it has the highest read rates. The upward angle and positioning close to the ground avoids core body interference and the dual angles further enhances the performance.

## How to use the Side Antenna?









### Optimize your Results

Based on the lessons learned since the introduction we recommend the following setup to optimize your results:

- Keep a 3 meter distance between the first and the second couple of antennas
- Make sure the SideAntenna is positioned at least 2 meters away from fences, cars etc.
- When using the steering plates or bibs on a bike, make sure the tag is positioned free from the handlebar (on the bottom of the plate)



## When to use Side Antennas

Location	Side Antennas	Mats
Start		
Split		
Finish		

\* Read rates have proven to be very good with high density situations, however in starting line situations the human body can influence the side antenna read rate. Using mats as starting line will guarantee excellent read rates with high density mass starts.

\*\* In situations with high accuracy timing, in combination with finish line environments, the signal might be blocked by stationary items or the welcoming crew. Using mats as finish line will guarantee high accurate read rates in these environments.

## Side Antenna Event Test Results

Date	Participants	Event	Tag / Sport	Course Width	Read Rate compared to Mats*	Max Density
NOV 2016	23 229	33ste Zevenheuvelenloop	BibTag 	4m	99.7%	240/min
NOV 2016	23 229	33ste Zevenheuvelenloop	BibTag 	8m	99.4%	300/min
NOV 2016	177	Sint Pietersbear Cross Duathlon	MultiSports Tag 	4m	100.0%	30/min
DEC 2016	409	Beach Series Scheveningen Kurhaus**	BibTag 	5m	99.6%	30/min
DEC 2016	242	Thredbo Cannonball 2016**	BibTag 	5m	100.0%	20/min
DEC 2016	3221	39ste Linschotenloop	BibTag 	5m	100%	90/min

\* Read rates measured at split points.

\*\* Tag on steering plate of mountain bike.