

Enhanced Elastica spheroid balloons

The Elastica are named after the curve outlined the shallowest spheroidal shape helium. Elastica inflated aerostats are made by double layer - hull and bladder technology and are performance/price optimised. The hull is made of coated nylon fabric with reinforced seams. The helium-proof bladder is sealed of low permeability co-extruded film. The clear, wrinkleless aerodynamically perfect shape and flight stabilising sails make the Elastica balloon the best choice for variety of applications from advertising to aerial surveillance and high definition aerial photography.

Supply included:

- Envelop - marine grade rip-stop coated nylon fabric
- Helium-proof bladder with overpressure valve and float-deflator according CAA requirements
- aerodynamic stabilizer
- Tethering system (150 m line) with payload attachment nodes
- Helium hose
- Instruction manual
- Keeping bag

Technical data

No	Model	Diameter r	Height	Volume	Balloon Area	Balloon Weight	Net Lift*	Est. Ship Weight
		m	m	m ³	m ²	kg	kg	kg
1	Am-Sh3	3	2	9	22	3.0	7.1	5
2	Am-Sh4	4	2.8	23	39	5.3	18	10
3	Am-Sh6	6	4.2	79	89	12	68	15
4	Am-Sh9	9	6.3	269	200	40	231	50
5	Am-Sh12	12	9.5	900	450	100	800	120

Hi-end multi-purpose tethered aerostat system optimised for aerial surveillance and HD aerial photography. The stability in high winds is provided by carefully matched combination aerodynamic stabiliser, bridle and payload attachment.

* Shipping is NOT included (for estimation the shipping cost please see *Est. Ship Weight*).

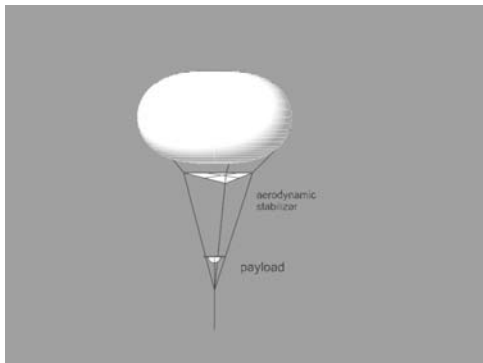
Preferred shipping agent - TNT <http://www.tnt.com/express>

The payment shall be made by 50% at order and 50% before shipping.

Lead-time for production and printing is 4 weeks. The delivery time depends on delivery method and the recipient location.



6-metre spheroid



The Elastica shaped balloon offer alternative of the blimps and better lift to drag ratio, lower helium volumes needed and easier maintains.

They withstand higher winds acting as a kite. Design is optimized as aerial surveillance system platform.

In contrast to other spheroid shaped balloons Elastica Kite-balloons have smooth, free of wrinkles equatorial belt which means better aerodynamic performance.