

Weather Balloon - Datasheet

Article description	Weather Balloon 200	Weather Balloon 800	Weather Balloon 1600	Weather Balloon 2000	Weather Balloon 3000	Pilot Balloon
Article number	100160	100250	100150	100170	100190	100090
Weight	200 g (7 oz)	800 g (28 oz)	1600 g (56 oz)	2000 g (70.5 oz)	3000 g (105.8 oz)	30 g (1 oz)
Max. Payload	200 g (7 oz)	800 g (28 oz)	1600 g (56 oz)	2000 g (70.5 oz)	3000 g (105.8 oz)	30 g (1 oz)
Filling quantity at max. payload in liters	500l (17.6 cu ft)	2200l (77.7 cu ft)	4400l (155.4 cu ft)	5500l (194.2 cu ft)	8300l (293.1 cu ft)	100l (3.5 cu ft)
Average burst altitude	23.000 m (14.3 mi)	30.000 m (18.6 mi)	36.000 m (22.3 mi)	38.000 m (23.6 mi)	40.000 m (24.8 mi)	11.500 m (7.1 mi)
Average bursting diameter	approx. 3.0 m (9.8 ft)	approx. 7.5 m (24.6 ft)	approx. 11.1 m (36.4 ft)	approx. 12.5 m (41.0 ft)	approx. 14.0 m (45.9 ft)	approx. 1.3 m (4.3 ft)
Neck length	approx. 12 cm (4.7 inch)	approx. 13 cm (5.1 inch)	approx. 15 cm (5.9 inch)	approx. 16 cm (6.3 inch)	approx. 16 cm (6.3 inch)	approx. 7 cm (2.7 inch)
Neck diameter	approx. 4 cm (1.6 inch)	approx. 6 cm (2.4 inch)	approx. 8 cm (3.1 inch)	approx. 9 cm (3.5 inch)	approx. 9 cm (3.5 inch)	approx. 3 cm (1.2 inch)
Color	white					red
Recommended ascent rate	4 - 5 m/s (13 - 16 ft/s)					3 - 4 m/s (10 - 13 ft/s)
Material	mixture of natural rubber and latex					
Scope of delivery	balloon, cable tie, instruction					
Packaging	packed separately					
Manufacturer	Stratoflights GmbH & Co. KG					
Storage property	at room temperature protected from direct sunlight					

According to the SERA Implementing Regulation Annex 2 of the EU, the total weight (payload package + weather balloon) for the „light class“ must not exceed 4000 g.
Minimal deviations of the values mentioned here are possible.