

TA Type Balloons

Pilot & Ceiling Balloon

Reference		TA20	TA30	TA45	TA50	TA100
Color		red or uncolored				
Average Weight	(gr)	20	30	45	50	100
Neck Diameter	(cm)	1.4±0.3	1.4±0.3	1.4±0.3	1.4±0.3	1.4±0.3
Neck Length	(cm)	8.0±2.0	8.0±2.0	8.0±2.0	8.0±2.0	8.0±2.0
Flaccid Body Length	more (cm)	24	28	36	38	53
Barely Inflated Diameter	more (cm)	15	18	23	24	34
Payload	(gr)	0	0	0	0	0
Recommended Free Lift	(gr)	29.8	59	104	143	294
Nozzle Lift	(gr)	29.8	59	104	143	294
Gross Lift	(gr)	49.8	89	149	193	394
Diameter at Release	(cm)	44	53	63	68	87
Volume at Release	(m ³)	0.04	0.08	0.13	0.17	0.34
Rate of Ascent	(m/min)	120	150	180	200	250
Diameter at Burst	(cm)	70	88	110	117	196
Bursting Altitude	(km)	12.4	13.1	14.0	13.4	18.8
Bursting Pressure	(hPa)	181.5	162.5	141.0	155	66.2
Q'ty per inner Box		200	200	100	100	50
Dimension of inner box (mm), L x W x H		480x310x115	485x315x120	480x310x115	480x310x115	480x300x100
Q'ty per outer carton Box		200x3=600	200x3=600	100x3=300	100x3=300	50x3=150
Dimension of outer carton box (mm), L x W x H		520x370x340	520x370x340	520x370x340	520x370x340	500x350x340
Volume per outer carton box	(m ³)	0.065	0.065	0.065	0.065	0.060
Approx. Gross Weight per outer carton box	(kg)	15	21	13	18	18

Sounding Balloons

Payload : 250gr Rate of Ascent : 320m/min

Reference		TA200	TA300	TA350	TA450	TA500
Color		uncolored				
Average Weight	(gr)	200	300	350	450	500
Neck Diameter	(cm)	3.0	3.0	3.0	3.0	3.0
Neck Length	(cm)	12.0	12.0	12.0	12.0	12.0
Flaccid Body Length	more (cm)	86	108	118	135	143
Barely Inflated Diameter	more (cm)	55	69	75	86	91
Payload	(gr)	250	250	250	250	250
Recommended Free Lift	(gr)	510	560	585	635	655
Nozzle Lift	(gr)	760	810	835	885	905
Gross Lift	(gr)	960	1110	1185	1335	1405
Diameter at Release	(cm)	117	123	125	130	133
Volume at Release	(m ³)	0.83	0.97	1.03	1.16	1.22
Rate of Ascent	(m/min)	320	320	320	320	320
Diameter at Burst	(cm)	300	378	412	472	499
Bursting Altitude	(km)	21.2	24.7	25.9	27.7	28.4
Bursting Pressure	(hPa)	45.3	26.3	21.9	16.6	14.9
Q'ty per inner Box		25	20	20	10	10
Dimension of inner box (mm), L x W x H		480x315x120	480x310x145	480x310x145	480x300x100	480x310x115
Q'ty per outer carton Box		25x3=75	20x3=60	20x3=60	10x3=30	10x3=30
Dimension of outer carton box (mm), L x W x H		510x410x350	510x470x340	510x470x340	500x350x340	520x370x340
Volume per outer carton box	(m ³)	0.074	0.081	0.081	0.06	0.065
Approx. Gross Weight per outer carton box	(kg)	18	21	24	17	18