

## TYPICAL AERIAL SHELL AND MORTAR PARAMETERS

### ■ Typical spherical aerial shells:

Shell Size (in.)	Shell Diam. (in.)	Shell Weight (lb.)	Lift Powder Type	Lift Weight (oz)	Dead Volume (cu. in.)	Mortar Length (in.)
3	2.7	0.3	4–5 FA	0.5	12	20
4	3.7	0.8	4–5 FA	1.0	24	24
5	4.7	1.5	4 FA	1.7	46	30
6	5.6	2.5	4 FA	2.7	72	36
8	7.6	5.5	4 FA	5.5	150	42
10	9.5	11.	4 FA	10.	290	48
12	11.5	18.	4 FA	17.	520	54

For SI units: 1 in. = 25 mm; 1 oz = 28 g; 1 lb = .45 kg; 1 cu. in. =  $1.6 \times 10^4$  mm<sup>3</sup>

### ■ Typical cylindrical aerial shells:

Shell Size (in.)	Shell Diam. (in.)	Shell Weight (lb.)	Lift Powder Type	Lift Weight (oz)	Dead Volume (cu. in.)	Mortar Length (in.)
3	2.7	0.4	2–3 FA	1.0	9	20
4	3.7	1.0	2–3 FA	1.9	20	24
5	4.7	2.0	2 FA	3.0	35	30
6	5.6	4.0	2 FA	4.5	57	36
8	7.6	10.	2 FA	9.0	121	42
10	9.5	20.	2 FA	16.	234	48
12	11.5	36.	2 FA	26.	394	54