

SYSTEM	600	800	1050	1050HS	1350	1350HS	1600	1800	BRS-172	BRS-182
Maximum aircraft weight	600 lbs 272 kg	800 lbs 363 kg	1050 lbs 475 kg	1050 lbs 475 kg	1350 lbs 612 kg	1350 lbs 612 kg	1600 lbs 726 kg	1800 lbs 816 kg	2550 lbs 1157 kg	3100 lbs 1406 kg
Maximum deployment speed	138 mph 222 km/h	138 mph 222 km/h	138 mph 222 km/h	TBD	138 mph 222 km/h	184 mph 296 km/h	138 mph 222 km/h	175 mph 282 km/h	187 mph 300 km/h	155 mph 251 km/h
Canister Weight (1)	22 lbs 10.0 kg	23 lbs 10.4 kg	28 lbs 12.7 kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VLS Weight (1)	23 lbs 10.4 kg	25 lbs 11.3 kg	29 lbs 13.2 kg	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Softpack Weight (1)	18 lbs 8.2 kg	19 lbs 8.6 kg	24 lbs 10.9 kg	TBD	29 lbs 13.2 kg	33 lbs 15.0 kg	35 lbs 15.9 kg	37 lbs 16.8 kg	79 lbs 35.8 kg	85 lbs 38.6 kg
Canister "A" Dimension (L x Diameter) (2)	18x7 in 46x18 cm	21.5x7 in 55x18 cm	21.5x7 in 55x18 cm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Canister "B" Dimension (L x Diameter) (2)	N/A	18.5x8 in 47x20 cm	18.5x8 in 47x20 cm	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VLS Dimension (L x W x H) (2)	18x11.5x7.5 in 46x29x19 cm	18x11.5x7.5 in 46x29x19 cm	18x11.5x7.5 in 46x29x19 cm	N/A	18x11.5x7.5 in 46x29x19 cm	N/A	N/A	N/A	N/A	N/A
Softpack Dimension (L x W x H) (2)	11x10x6 in 28x25x15 cm	12x10x6 in 30x25x15 cm	12x10x6 in 30x25x15 cm	TBD	16x10x6 in 41x25x15 cm	20x8.5x6 in 51x20x15 cm	20x9.5x6 in 51x24x15 cm	20x9.5x6 in 51x24x15 cm	18x11x36 in 46x28x91 cm (3)	22x23x39 in 56x58x99 cm (3)
CANOPY	600	800	1050	1050HS	1350	1350HS	1600	1800	BRS-172	BRS -182
Gores (panels)	28	28	30	TBD	32	32	36	36	60	60
Nominal diameter	28 ft 8.5 m	32 ft 9.8 m	36 ft 11.0 m	TBD	40 ft 12.2 m	40 ft 12.2 m	44 ft 13.4 m	44 ft 13.4 m	55 ft 16.8 m	55 ft 16.8 m
Square area	615 ft ² 57 m ²	804 ft ² 75 m ²	1040 ft ² 97 m ²	TBD	1257 ft ² 117 m ²	1257 ft ² 117 m ²	1520 ft ² 141 m ²	1520 ft ² 141 m ²	2,400 ft ² 223 m ²	2,400 ft ² 223 m ²
Repack cycle	6 yr. or 1 yr. (externally mounted softpacks)	6 yr. or 1 yr. (externally mounted softpacks)	6 yr. or 1 yr. (externally mounted softpacks)	6 yr. or 1 yr. (externally mounted)	6 yr. or 1 yr. (externally mounted softpacks)	6 yr. or 1 yr. (externally mounted)	6 yr. or 1 yr. (externally mounted)	6 yr. or 1 yr. (externally mounted)	10 years	10 years
Riser	9,800 lbs 4,445 kg	9,800 lbs 4,445 kg	9,800 lbs 4,445 kg	TBD	13,500 lbs 6,124 kg	15,000 lbs 6,804 kg	13,500 lbs 6,124 kg	15,000 lbs 6,804 kg	20,000 lbs 9,072 kg	20,000 lbs 9,072 kg

Suspension lines	400 lbs 181 kg	400 lbs 181 kg	400 lbs 181 kg	TBD	400 lbs 181 kg	550 lbs 250 kg	400 lbs 181 kg	550 lbs 250 kg	550 lbs 250 kg	550 lbs 250 kg
Exclusive device "Slider"	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Service life	25 years	25 years	25 years	25 years	25 years	25 years	25 years	25 years	25 years	25 years
ROCKET	600	800	1050	1050HS	1350	1350HS	1600	1800	BRS-172	BRS -182
Solid Fuel Rocket	BRS-300	BRS-300	BRS-460	TBD	BRS-460	BRS-600	BRS-600	BRS-600	BRS-900	BRS-900
Minimum Total Impulse	260 N-sec	260 N-sec	400 N-sec	TBD	400 N-sec	700 N-sec	700 N-sec	700 N-sec	950 N-sec	950 N-sec
Igniter (mechanical)	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster	Redundant Primers with Pyro. Booster
Minimum Peak Thrust	67 lbf 30 kgf	67 lbf 30 kgf	79 lbf 36 kgf	TBD	79 lbf 36 kgf	135 lbf 61 kgf	135 lbf 61 kgf	135 lbf 61 kgf	223 lbf 101 kgf	223 lbf 101 kgf
Minimum Burn Time	1.0 sec	1.0 sec	1.3 sec	TBD	1.3 sec	1.7 sec	1.7 sec	1.7 sec	2.0 sec	2.0 sec
Service life	12 years	12 years	12 years	12 years	12 years	12 years	12 years	12 years	10 years	10 years

- (1) All weights are approximate and include appropriate rocket. Overall system weights will increase with inclusion of activation assembly, mounting hardware, and attachment bridles.
- (2) All dimensions are approximate and do not include appropriate rocket, frame (softpack only), and rocket mount
- (3) The BRS-172 and 182 dimensions include container relative to installed position in aircraft