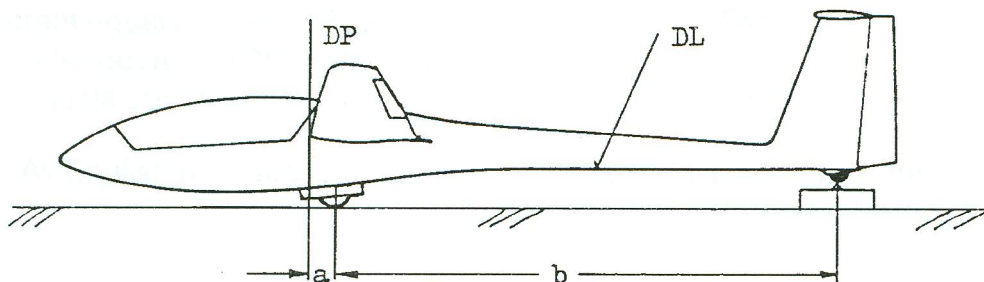


LS-4 Weight & Balance

5-Feb-04

| | English | Metric |
|-------------------------------------|----------------|---------------|
| Maximum Gross Weight | 1157 | 525 |
| Maximum Wt of Non-lifting Parts | 507 | 230 |
| Maximum Cockpit Load | 243 | 110 |
| Minimum Cockpit Load, no ballast | 154 | 70 |
| Minimum Cockpit Load, 6 lb ballast | 143 | 65 |
| Minimum Cockpit Load, 12 lb ballast | 132 | 60 |
| Minimum Cockpit Load, 18 lb ballast | 121 | 55 |
| Maximum Water Ballast Weight | 375 | 170 |
| Left wing weight | 137 | 62.2 |
| Right wing weight | 138 | 62.6 |
| Weight of each lead ballast | 6 | 2.5 |



Condition: Forward battery installed. Rear battery removed. Zero water ballast. Zero lead ballast

| | a | b | Units | Units |
|------------------------------------|------|--------|----------------|---------------|
| Dimensions | | | English | Metric |
| | 6.93 | 164.57 | | |
| Weights | Main | Tail | Total | |
| | 487 | 64 | 551 | 249.9 |
| CG = ((tail)(b) / (tail + main))+a | | | 26.05 | 661.5 |
| Weight of Non Lifting Parts: | | | 276 | 125.1 |

Condition: Forward battery installed. Rear battery removed. Zero water ballast.

0 lbs Lead ballast

| | | |
|----------------------------------|------------|-----|
| Min Pilot Wt | 154 | 70 |
| Max Pilot Wt | 231 | 105 |
| Max Weight of Non Lifting Parts: | 507 | 230 |

| | | |
|---|------------|--------------------|
| Condition: Forward battery installed. Rear battery removed. Zero water ballast. | | 6 lbs Lead ballast |
| Min Pilot Wt | 143 | 65 |
| Max Pilot Wt | 225 | 102 |
| Max Weight of Non Lifting Parts: | 507 | 230 |

| | | |
|---|------------|---------------------|
| Condition: Forward battery installed. Rear battery removed. Zero water ballast. | | 12 lbs Lead ballast |
| Min Pilot Wt | 132 | 60 |
| Max Pilot Wt | 219 | 99 |
| Max Weight of Non Lifting Parts: | 507 | 230 |

| | | |
|---|------------|---------------------|
| Condition: Forward battery installed. Rear battery removed. Zero water ballast. | | 18 lbs Lead ballast |
| Min Pilot Wt | 121 | 55 |
| Max Pilot Wt | 213 | 97 |
| Max Weight of Non Lifting Parts: | 507 | 230 |

Water Ballast: May be filled to full capacity of 375 lbs provided pilot weight is limited to **231 lbs and there is no ballast.**

Conversion factors

| | |
|--------------------------------------|---------|
| 1 Pound equals 0.453592 Kilograms | 0.45359 |
| 1 Kilogram equals 2.20462 Pounds | 2.20462 |
| 1 Millimeter equals 0.0393701 Inches | 0.03937 |
| 1 Inch equals 25.4 Millimeters | 25.4 |

Note: All English units are lbs or inches. All metric units are kgs or mm.