

**Aircraft Type** EXP GEAR  
**N number** N12345  
**Serial #** #000  
**Datam** Firewall  
**Level Point** Cockpit top rail longitudinaly, and Across the cock pit  
  
**Forward Limit** 29.00"  
**Aft Limit** 35.00"

**Initial W+B**

|              | <b>Weight</b> | <b>ARM</b> | <b>Moment</b> |
|--------------|---------------|------------|---------------|
| Front        | 227           | -14.75     | -3348.25      |
| Left         | 298           | 42.25      | 12590.5       |
| Right        | 307           | 42.25      | 12970.75      |
| <b>total</b> | <b>832</b>    |            | <b>22213</b>  |
| <b>CG</b>    |               | 26.6983173 |               |

**Baggage capacity to 50 lbs**

**Empty Aircraft: Unuseabl fuel and operation fluids**

|                   | <b>Weight</b> | <b>Moment in/lbs</b> |
|-------------------|---------------|----------------------|
| Empty Weight      | 832           | 22213                |
| Center of Gravity |               | 26.6983173           |

**Forward CG With 150 pound pilot and 6 gallons on board**

|                   | <b>Weight</b> |            | <b>Moment in/lbs</b> |
|-------------------|---------------|------------|----------------------|
| Empty Weight      | 832           | 26.6983173 | 22213                |
| Pilot             | 150           | 44.1       | 6615                 |
| Fuel              | 36            | 37.4       | 1346.4               |
| Baggage           | 0             | 69.76      | 0                    |
| <b>Total</b>      | <b>1018</b>   |            | <b>30174.4</b>       |
| Center of Gravity |               | 29.6408644 |                      |

**Most Aft CG at Gross Weight**

|                   | <b>Weight</b> | <b>Arm</b> | <b>Moment in/lbs</b> |
|-------------------|---------------|------------|----------------------|
| Empty Weight      | 832           | 26.6983173 | 22213                |
| Pilot and pass    | 400           | 44.1       | 17640                |
| Baggage           | 50            | 69.76      | 3488                 |
| Fuel              | 180           | 37.4       | 6732                 |
| <b>Total</b>      | <b>1462</b>   |            | <b>50073</b>         |
| Center of Gravity |               | 34.249658  |                      |