

WEIGHT AND BALANCE DATA
Grob 103 Twin Astir – Weight & Balance Data
Twin Astir, N80PX, Serial No. 3285

Type Certificate Data Sheet: G39EU
Datum: Leading edge of wing at root.
Leveling reference: 600:24 (25:1, or 2.3 degrees) tapered wedge on aft rear top of fuselage.
Maximum Gross Weight: 1,435 lbs.
Loaded C.G range: + 10.24 inches to +18.11 inches.
Front seat station: - 44.9 inches.
Rear seat station: + 0.4 inches.
Baggage: Maximum of 22 lbs. at C.G.
Minimum permissible weight in front seat is 154 lbs.
Maximum permissible weight in either seat is 242 lbs.
Distance from the Main Wheel Weighing Point to the Datum is +6.625 inches.
Measured distance from the Tail Wheel Weighing Point to the Datum is +191.5 inches.
Note: Glider weighed with instruments, panel mount radio, 14 amp/hour battery, two oxygen tanks, and lead ballast permanently installed at the -94" station.

EMPTY WEIGHT AND EMPTY WEIGHT CENTER OF GRAVITY

	<u>WEIGHT</u>	<u>ARM</u>	<u>MOMENT</u>
Main Wheel	+852.0	+6.625	+5644.5
Tail Wheel	<u>+110.0</u>	+191.5	<u>+21065.0</u>
Totals:	<u>+962.0</u>		<u>26709.5</u>

Empty Weight CG is +27.76 inches; Useful Load (Including Water Ballast) is 473.0 Lbs.

This Weight and Balance data prepared 10 November 2018, by Stanley E. McGrew, A&P1240495, and supercedes all W&B data of earlier date.

Signature