

# Soar Indy Grob G-103 Make and Model Checkout

Performance Speeds	Solo	Dual
Best L/D.....	_____ at _____ kts.....	_____ at _____ kts
Min Sink .....	_____ at _____ kts.....	_____ at _____ kts
Stall Speed Clean.....	_____ kts.....	_____ kts
Stall w/Airbrakes.....	_____ kts.....	_____ kts
Never Exceed Speed .....	VNE _____ kts	
Rough Air Speed .....	VRA _____ kts	
Maneuvering Speed.....	VA _____ kts	
Maximum Aero Tow Speed .....	VT _____ kts	
Maximum Speed with Dive Brakes Extended.....	_____ kts	
Maximum Demonstrated Crosswind Component..	_____ kts	

1. How can you determine if there is ballast in the Grob 103?
  - a. Check for Ballast Weights in the trim weight box under the front carpet on the left side
  - b. Blue Cushion in Bottom of Front Seat
  - c. Check for Ballast Weights on the front of the front stick bulkhead
2. Instruments and Minimum Equipment required for day VFR flight in the Grob G-103 are:
 

<input type="checkbox"/> 2 Airspeed Indicators	<input type="checkbox"/> Seat Back Cushion 3" thick or Parachute
<input type="checkbox"/> 1 Airspeed Indicator Front Seat Only	<input type="checkbox"/> Full Harness Straps in front and back
<input type="checkbox"/> 2 Altimeters	<input type="checkbox"/> Loading limit plaque in front and back
<input type="checkbox"/> 1 Altimeter Front Seat Only	<input type="checkbox"/> Flight Limits plaque
<input type="checkbox"/> Flight Manual	<input type="checkbox"/> 2 Variometers
3. The proper tow rope or weak link strength for the Grob 103 is \_\_\_\_\_ to \_\_\_\_\_ lbs.  
 [Typical Hollow Braid Poly Pro tow rope strengths - 1/4 in 1000 lbs - 5/16 in 1500 lbs - 3/8 2200 lbs]
4. The Grob 103 must be aero towed using a tow rope with
  - a) a two piece Tost ring
  - b) a single Schweizer ring
  - c) either a single Schweizer or a two piece Tost ring depending on the tow rope being used
5. At best L/D, calm air, no wind and a 50% safety factor you need \_\_\_\_\_ feet per statute mile?
6. The recommended trim setting for takeoff is
  - a. between zero and nose heavy
  - b. between zero and tail heavy
  - c. approximately in the central position
7. What pattern speed do you plan to use before adjusting for wind or turbulence \_\_\_\_\_ mph.

# Grob 103

## Make and Model Checkout

### Weight and Balance

1. Can you fly N45748 solo with front seat ballast?  yes  no

Without the front seat ballast?  yes  no

Do you need additional special ballast?  yes  no?

Explain: \_\_\_\_\_

2. What is the gross weight and CG Location with you as the pilot solo in the Grob G-103?

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3. What is the heaviest passenger you may carry in the back seat when flying the Grob G-103?

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4. What is the lightest passenger you may carry in the front seat without ballast when flying the Grob G-103 from the back seat?

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### Cockpit Checkout

- |   |  |
|---|--|
| <input type="checkbox"/> Read and Study the Grob G-103 Twin II Flight Manual Manual |  |
| <input type="checkbox"/> Canopy Latch and Emergency Jettison                        | <input type="checkbox"/> Wheel Brake Operation                           |
| <input type="checkbox"/> Rudder Pedal Adjustment                                    | <input type="checkbox"/> Cockpit Ventilation                             |
| <input type="checkbox"/> Trim Control   | <input type="checkbox"/> Radio, Battery and Electrical System            |
| <input type="checkbox"/> Tow Release Knob and Hook Location                         | <input type="checkbox"/> Weight and Balance, Airworthiness, Registration |
| <input type="checkbox"/> Air Brake Operation  |  |

### Flight Tips and Comments from Other Pilots

- Flying in rain raises stall speed by 6 kts. Increase takeoff and approach speeds by 6 kts.
- Remember not to land with full Dive Brakes which will have the wheel brake locked..no damage will be done to the glider, but you will come to a sudden stop.

I have completed the Knowledge Test, completed a review of any incorrect answers, and completed a Cockpit Checkout with the CFGI.

Pilot: \_\_\_\_\_ Date: \_\_\_\_\_

CFGI: \_\_\_\_\_ Certificate # \_\_\_\_\_ Date: \_\_\_\_\_

### Grob G-103 Pilot Requirements

- Private Pilot or Commercial Pilot Certificate with Glider category
- Complete the Grob G-103 Model Checkout Test.
- Complete dual flight(s) with an instructor, demonstrating satisfactory proficiency.
- Receive an instructor endorsement in the pilot's log book for the Grob-103.