

MODELS: Sailplane (Formerly Briegleb) BG-8 Glider (Army XTG-13), 2 PCLM

T.C. NUMBER: GTC 13 (Approved 12/31/42)

Type	Class I		
Airspeed limits	Glide or dive - 90 mph True Ind. Airplane tow - 90 mph True Ind. Spoilers extended - 90 mph True Ind. Auto-winch tow - 60 mph True Ind. (+20.5) to (+22.7) (See NOTE 1)		
C.G. range	Wing leading edge center section		
Datum	Lugs on top longeron of rear cockpit left side		
Leveling means	(stations 78 and 105)		
Maximum weight	1006 lbs.		
No. seats	2 (one at (-16) and one at (+31))		
Baggage	None		
Control surface movements	Spoilers	Up 90 degrees	Down 0 degrees
	Elevators	Up 15 degrees	Down 23 degrees
	Elevator tab	Up 23 degrees	Down 7 degrees
	Stabilizer	Fixed	
	Aileron	Up 13 degrees	Down 7 degrees
	Rudder	24 degrees right	23 degrees left
	Rudder tab	19 degrees right	19 degrees left
Serial numbers eligible	801 and up (See NOTE A)		
Required equipment	Items 200 and 400		

SPECIFICATIONS PERTINENT TO ALL MODELS:

Certification basis	Glider Type Certificate No. 13 (CAR 5)
Production basis	None (See NOTE A)

EQUIPMENT:

Landing Gear and Floats

200.	6-inch wheel (General C-1569) with 14 inch by 4-ply tire	10 lbs.	(+15)
201.	Brake - Briegleb Drawing 8-3301	5 lbs.	(+15)

Interior Equipment

400.	Airspeed indicator and pitot	1 lb.	(-47)
401.	Miscellaneous extra instruments not to exceed		
	(a) Front panel	6 lbs.	(-45)
	(b) Rear panel	6 lbs.	(+5)

NOTE A. Prior to original certification, each glider must satisfactorily pass:

- (a) An inspection for workmanship, materials and conformity before any covering, metal priming or final finish is applied. All woodwork may be varnished.
- (b) A final inspection of the completed glider.
- (c) Check of flight characteristics including spin and stability tests at rear C.G. and trim at forward C.G.

NOTE 1. Weight and balance report including list of equipment included in the certificated weight empty must be submitted for each glider with original inspector's report and each subsequent report covering change in equipment. The following placard, as determined by the weight and balance report, must be installed in full view of the pilot:

- (1) Solo - Use Front Seat Only -
60 lbs. ballast in rear seat
Minimum Weight, Pilot and Parachute --- lbs.
- (2) Dual - Front Seat - Minimum Weight
Occupant and Parachute --- lbs.
Rear Seat - Maximum Weight
Occupant and Parachute --- lbs.
- (3) Maximum weight front seat --- lbs.