

II. Model ASW-15B, approved November 23, 1973

(Similar to ASW-15, with increased max. weight, reinforced wing spar, optional installation in wing water ballast system, reinforced landing gear, and increased rudder area).

Airspeed limits (I.A.S.)	Glide or dive (never exceed)	119 knots	(137 m.p.h.)
	Max. speed in rough air	119 knots	(137 m.p.h.)
	Maneuvering speed	92 knots	(106 m.p.h.)
	Airplane tow	92 knots	(106 m.p.h.)
	Auto-winch tow	65 knots	(75 m.p.h.)
	Dive brakes extended	119 knots	(137 m.p.h.)
C.G. range	(±8.27 inches) to (±14.9 inches)		
Datum	Wing leading edge at wing root rib		
Leveling means	Slope of rear top edge of fuselage 1000 to 50.		
Maximum weight	Max. Take-off weight without water ballast	772 lb.	
	Max. Take-off weight with water ballast*	900 lb.	
	(*Total weight of glider must not exceed 772 lb before water ballast is added. Gliders without water ballast tanks installed therefore have a maximum take-off weight limitation of 772 lb.)		
No. of seats	1 (-23.0 in.)		
Baggage	24 lb. (±6.5 in.)		
Control surface movements	Elevator	Up	10° ± 1.5°
		Down	9° ± 1°
	Rudder	Right	30° ± 3°
		Left	30° ± 3°
	Aileron	Up	25° ± 3°
		Down	14° ± 1.5°
Wink Links for Towing	Winch launching	1100 lb (500 Kg) max.	
	Airplane tow	1100 lb (500 Kg) max.	

DATA PERTINENT TO ALL MODELS

Serial Nos. eligible	The Federal Republic of Germany Certificate of Airworthiness for Export endorsed as noted below under "Import Requirement" must be submitted for each individual glider for which application for standard airworthiness certification is made.
Import Requirements	A U.S. airworthiness certificate may be issued on the basis of a Certificate of Airworthiness for Export signed by a representative of the Luftfahrt-Bundesamt (LBA), containing the following statement:
	(a) For the Model ASW-15 (15001 and including S/N 15183): "The glider covered by this certificate has been examined and found to comply with the Federal Republic of Germany glider airworthiness requirements dated February 1966 and conforms to Type Certificate No. G22EU".
	(b) For the Model ASW-15B (S/N 15184 and subsequent) "The glider covered by this certificate has been examined, tested, and found to conform to the design approved under FAA Type Certificate No. G22EU, and is in a conditions for safe operation."

Certification basis	<p>FAR 21.23, effective 1 February 1965. Federal Republic of Germany Glider Airworthiness Requirements, dated February 1966 were found to provide a level of safety equivalent to provisions of FAR 21.23 to enable certification under the provisions of FAR 21.29. Type Certificate No. G22EU issued 14 May 1971. Date of Application for Type Certificate 7 January 1970</p>									
Equipment	<p>The basic required equipment as prescribed in the applicable airworthiness regulations (see Certification basis) must be installed in the glider for standard airworthiness certification. In addition the following equipment must be installed:</p> <p>(a) For the Model ASW-15</p> <ol style="list-style-type: none"> 1) Instruments (Non-Cloud flying): <ol style="list-style-type: none"> (i) Airspeed Indicator, Schleicher P/N 6FMS 3/W15 or P/N 6FMS 4/W15, or an FAA-approved equivalent. (ii) Altimeter 2) Additional instruments for Cloud-flying: <ol style="list-style-type: none"> (i) Magnetic compass (ii) Turn and bank (iii) Variometer 3) LBA-approved Model ASW-15 Flight and Operations Manual. <p>(b) For the Model ASW-15</p> <ol style="list-style-type: none"> 1) Instruments (Non-Cloud flying): <ol style="list-style-type: none"> (i) Airspeed Indicator, Schleicher P/N 6 FMS 3/W15 or P/N 6 FMS 4/W15 or an FAA-approved equivalent marked as follows: <table border="0" style="margin-left: 20px;"> <tr> <td style="padding-right: 20px;">Red line</td> <td style="padding-right: 20px;">119 knots</td> <td>(137 m.p.h.)</td> </tr> <tr> <td>Yellow Arc</td> <td>92-119 knots</td> <td>(106-137 m.p.h.)</td> </tr> <tr> <td>Green Arc</td> <td>42-92 knots</td> <td>(47-106 m.p.h.)</td> </tr> </table> (ii) Altimeter (iii) Magnetic Compass 2) Additional instruments for Cloud-flying: <ol style="list-style-type: none"> (i) Turn and Bank (ii) Variometer 3) LBA-approved, Schleicher "Flight and Operations Manual for the Sailplane Type ASW-15," Dated February 1973 or later LBA approved issue. 	Red line	119 knots	(137 m.p.h.)	Yellow Arc	92-119 knots	(106-137 m.p.h.)	Green Arc	42-92 knots	(47-106 m.p.h.)
Red line	119 knots	(137 m.p.h.)								
Yellow Arc	92-119 knots	(106-137 m.p.h.)								
Green Arc	42-92 knots	(47-106 m.p.h.)								

NOTE 1. Current weight and balance report including list of equipment in certificated empty weight, and loading instructions when necessary, must be provided for each glider at the time of original certification.

NOTE 2. The following placards must be installed in full view of the pilot:

- a) For the Model ASW-15
 - (1) "Cloud flying: Permitted only when the following instruments are installed:
 - (1) Airspeed indicator
 - (2) Altimeter
 - (3) Turn and bank
 - (4) Variometer
 - (5) Compass."
 - (2) "Acrobatic maneuvers including spins must be accomplished in accordance with the LBA-approved Model ASW-15 Flight and Operations Manual."
 - (3) "Night flying is prohibited."
- b) For the Model ASW-15B:
 - (1) "This glider must be operated in compliance with the operating limitations stated in the form of placards, markings, and manuals."
 - (2) "Cloud flying: Permitted only when the following instruments are installed:
 - (1) Airspeed indicator
 - (2) Altimeter
 - (3) Turn and bank indicator
 - (4) Variometer
 - (5) Compass."

NOTE 2. (Cont'd)

- (3) "Acrobatic maneuvers including spins must be accomplished in accordance with the LBA-approved Model ASW-15B Flight and Operations Manual. Acrobatics prohibited with water ballast aboard."
- (4) "Night flying is prohibited."
- (5) "Maneuvering speed 92 knots (106 m.p.h.)
 Airplane tow speed 92 knots (106 m.p.h.)
 Auto-winch tow speed 65 knots (75 m.p.h.)
 Stall speed - Dive brakes extended. 42 knots (48 m.p.h.)"
- (6) For gliders without water ballast system installed:
 "Maximum Weight 772 lb."
- (7) For gliders with water ballast system installed:
 "Maximum Weight excluding water ballast 772 lb.
 Maximum Weight with water ballast 900 lb."
- (8) "Weak Link - Airplane/Auto/Winch Tow 1100 lb."

NOTE 3. All external portions of the glider exposed to sunlight must be painted white. Registration and Competition numbers must be painted blue-gray or in any other light colors.

NOTE 4. Information essential to the proper operation, maintenance, inspection and repair is contained in the Schleicher "Flight and Operations Manual," applicable to the model concerned; Schleicher should be consulted for all major repairs.

NOTE 5. (Deleted - See NOTE 4)

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