



**TYPE CERTIFICATE DATA SHEET Nº EH-2013T02**

Type Certificate Holder:

**ALEXANDER SCHLEICHER GmbH & CO.**  
Alexander-Schleicher Strasse 1  
36163 Poppenhausen Wasserkuppe  
**GERMANY**

EH-2013T02

Sheet 01

**ALEXANDER  
SCHLEICHER**

AS2F1-1

AS2F1-3

15 April 2013

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Propellers of models described herein conforming with this data sheet, which is part of Type Certificate No. 2013T02, meet the minimum standards for use in certificated aircraft in accordance with pertinent aircraft data sheets and applicable portions of the Brazilian Aeronautical Regulations provided they are installed, operated, and maintained as prescribed by the approved manufacturer's manuals and other instructions.

<b>TYPE</b>	Fixed Pitch
<b>ENGINE SHAFT</b>	Hub drilling according to the particular data in the propeller designation (see Note 1).
<b>HUB MATERIAL</b>	Composite Material (glass/carbon)
<b>BLADE MATERIAL</b>	Composite Material (glass/carbon shell and unidirectional reinforcement from carbon fibers)
<b>NUMBER OF BLADES</b>	2 (Two)
<b>HUB ELIGIBLE</b>	AS2F1 (one piece propeller)

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Blade Eligible	Max. Continuous Power hp (rpm)	Take off power hp (rpm)	Maximum Diameter m (in)	Blade Pitch (75% radius station)		Approx. Max. Weight Kg (lb)
				Min. m (in)	Max. m (in)	
AS2F1-1	93.8 (3 000)	93.8 (3 000)	1.2 (47.2) 1.55 (61.0)	0.6 (23.6)	1.2 (47.2)	2.1 (4.6)
AS2F1-3	26.8 (5 400)	26.8 (5 400)	0.8 (31.5) 1.0 (39.4)	0.28 (11.0)	0.8 (31.5)	1.0 (2.2)

**CERTIFICATION BASIS**

Brazilian Type Certificate N° 2013T02 based on the Brazilian Requirements for Aeronautical Certification RBHA 22, which endorses the JAR 22, Subpart J, Change 5 dated 28 October 1995.

**TYPE CERTIFICATION**

<u>Model</u>	<u>Application</u>	<u>Issued TC</u>
ASF1-1	22 August 2012	15 April 2013
ASF1-3	22 August 2012	15 April 2013

**PRODUCTION BASIS** Not Applicable.

**IMPORT REQUIREMENTS**

Each propeller imported separately and/or spare parts must be accompanied by an Airworthiness Certificate for Export and/or an Airworthiness Approval Tag, respectively, issued by EASA, attesting that the particular propeller and/or parts were submitted to the governmental quality control before delivery and are in conformity with the ANAC approved type design.

**NOTES**

**NOTE 1** The complete propeller designation system:

Propeller Model Designation - AS 2 F 1 - (i) / (ii) (iii) - (iv) - (v), where:

AS	Alexander Schleicher GmbH & Co.
2	2- Number of blades
F	F- Fixed pitch propeller
1	Number of propeller model
- (i)	Number of variant of the propeller model
- (ii)	Code letter for sense of rotation:
	R - Right-hand tractor
	L - Left-hand tractor
	RD - Right-hand pusher
	LD - Left-hand pusher
(iii)	Blade diameter
(iv)	Blade pitch at 75% radius
(v)	Code for particular propeller characteristics
	N1 – Hub Drilling type N1: six 8mm (0.31in) holes on a 100mm (3.9in) hole circle
	N2 – Hub Drilling type N2: five 8.1mm (0.32in) holes on a 57mm (2.2in) hole circle

- NOTE 2** Pitch control:  
Not applicable. Fixed pitch propeller.
- NOTE 3** Feathering and Reversing:  
Not applicable. Fixed pitch propeller.
- NOTE 4** Left-hand model:  
Left-hand model is certified for the same operational conditions and diameters as for the right-hand model.
- NOTE 5** Interchangeable blades:  
Not applicable. One-piece propeller.
- NOTE 6** Accessories:  
a) No propeller governor. Fixed Pitch.  
b) No propeller de-icing.  
c) No propeller spinner.
- NOTE 7** Shrank Fairings..  
Not Applicable.
- NOTE 8** Special Limits:  
Suitability of the propeller for a given aircraft/engine-combination must be demonstrated within the scope of the type certification of the aircraft.
- NOTE 9** Operation and Service Instructions:  
a) Service Life Time (if applicable): Technical Note Nr. 2, last issue.  
b) Time Between Overhauls (TBOs): Technical Note Nr. 2, last issue.  
c) Instructions for continued airworthiness: Operation and Maintenance manual for the propeller AS2F1, last revision.
- NOTE 10** Special Notes:  
a) The propeller installation must be approved as part of the aircraft Type Certificate to demonstrate compliance with the applicable aircraft airworthiness standards.  
b) AS2F1 propeller is certified for use in powered sailplanes and Very Light Aeroplanes only.

  
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