

United States of America  
Department of Transportation - Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA02218SE

*This certificate, issued to*

**Northern Airframes, LLC  
20130 Birchwood Loop Spur Road  
Chugiak, AK 99567**

*certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 3 of the Civil Air Regulations.*

*Original Product—Type Certificate Number:* 3A23  
*Make:* Maule  
*Model:* Bee Dee M-4; M-4; M-4C; M-4S; M-4T; M-4-180C; M-4-180V; M-4-210; M-4-210C; M-4-220C; M-5-180C; M-5-200; M-5-210C; M-5-210TC; M-5-220C; M-5-235C; M-6-180; M-6-235; M-7-235; M-7-235A; M-7-235B; M-7-260; MX-7-160; MX-7-180; MX-7-180A; MX-7-180B; MX-7-235; M-8-235

*Description of the Type Design Change:* Installation of the Alaskan Bushwheel, Inc. Extended Heavy Duty Main Landing Gear Manufactured in accordance with Master Drawing List (MDL) ABI-4022X, Revision A, dated February 17 2012, or later Federal Aviation Administration (FAA)-approved revision; Installed in accordance with ABI-4022X-IM, Revision IR, dated January 17, 2012, or later FAA-approved revision; and Maule Aerospace Drawing 4035F, Revision H, dated January 26, 2009, or later FAA-Approved revision.

*Limitations and Conditions:* Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model series unless the installer determines that the relationship between this change and any other previously incorporated approved modifications will introduce no adverse effect upon the airworthiness of that aircraft.

(See Continuation Sheet Page 3 of 3 Pages)

*This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* February 9, 2010

*Date reissued:* March 11, 2014

*Date of issuance:* March 5, 2012

*Date amended:*



*By direction of the Administrator*

(Signature)

Manager, Seattle Aircraft Certification Office

(Title)

**Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.**

**This certificate may be transferred in accordance with FAR 21.47.**

# Supplemental Type Certificate

## (Continuation Sheet)

*Number* SA02218SE

**Northern Airframes, LLC**

*Issued:* March 5, 2012

*Reissued:* March 11, 2014

*Amended:*

*Limitations and Conditions continued:*

A copy of this certificate must be maintained as part of the permanent records of the modified aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

**STC Compatibility:**

This STC is **not compatible** with **Increased Gross Weight** Modifications.

**Instructions for Continued Airworthiness**

Airplanes modified in accordance with this STC must be maintained in accordance with the applicable Instructions for Continued Airworthiness document specified below:

ABI-4022X-ICA Revision C, dated February 17, 2012, or later FAA accepted revision.

**Flight Operations:**

Airplanes modified in accordance with this STC must be operated in accordance with the applicable Airplane Flight Manual, including applicable Supplement(s) for the aircraft.

**Certification Basis:**

Airworthiness & Environmental Standards for components and areas not affected by the change are the original type certification basis for the aircraft models Bee Dee M-4, M-4, M-4C, M-4S, M-4T, M4-180C, M-4-180V, M-4-210, M-4-210C, M-4-220C, M-5-180C, M-5-200, M-5-210C, M-5-210TC, M-5-220C, M-5-235C, M-6-180, M-6-235, M-7-235, M-7-235A, M-7-235B, M-7-260, MX-7-160, MX-7-180, MX-7-180A, MX-7-180B, MX-7-235, and M-8-235 as shown on Type Certificate Data Sheet (TCDS) 3A23 Revision 30.

The following regulations apply through Amendment 3-3, all other regulations per TCDS 3A23, for the parts changed or affected:

3.74	3.144	3.173	3.244	3.249	3.294	3.303
3.76	3.145	3.174	3.245	3.257	3.295	3.304
3.84(a) (c)	3.148	3.241	3.246	3.291	3.296	3.305
3.87	3.171	3.242	3.247	3.292	3.301	3.306
3.143	3.172	3.243	3.248	3.293	3.302	3.307

The following regulations apply through Amendment 23-62 for the parts changed or affected:

23.1529 Appendix G

- END -

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*This certificate may be transferred in accordance with FAR 21.47.*