

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

Number SR03465CH

This certificate issued to Airwolf Aerospace, LLC
15369 Madison Road
Middlefield, OH 44062

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 27 of the 14 Code of Federal Aviation Regulations. **

Original Product - Type Certificate Number HICE
Make ENSTROM
Model F28, F-28A, 280, F-28C, F-28C-2, F-28C-2R, 280C,
F-28F, F-28F-R, 280F, 280FX, TH-28, 480, 480B Helicopters

Description of Type Design Change:

Install Airwolf Aerospace, LLC Tension-Torsion Strap Assemblies, P/N AA-ECD-084-280, or AA-ECD-084-480 in accordance with the Installation Instructions, Report AA-ECD-084-280/480 Rev. A, dated June 5, 2015 or later FAA-approved revision.

Limitations and Conditions:

1. The installer must determine whether this design change is compatible with previously approved modifications.
2. A copy of FAA accepted Instructions for Continued Airworthiness, Report no. AA-ECD-84-280/-480-ICA, Rev. IR, dated July 01, 2014 or later FAA accepted revision is required to this modification.
3. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

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 23, 2012

Date revised :

Date of issuance : June 08, 2015

Date amended :



By direction of the Administrator

K. Mordasiewicz
(Signature)

Karol Mordasiewicz
Manager, Airframe & Administrative Branch
Chicago Aircraft Certification Office

(Title)



U.S. Department
of Transportation

**Federal Aviation
Administration**

Small Airplane Directorate
Chicago Aircraft Certification Office
2300 E. Devon Avenue, Room 107
Des Plaines, IL 60018

June 08, 2015

Mr. John Kochy
Airwolf Aerospace, LLC
15369 Madison Road
Middlefield, OH 44062

Dear Mr. John Kochy:

This is in response to Mr. Joe McGarvey application, dated February 23, 2012 requesting a Supplemental Type Certificate (STC) on behalf of Airwolf Aerospace, LLC., to install Tension-Torsion Strap Assemblies, P/N AA-ECD-084-280, on Enstrom F 28/280 Model Series helicopters in accordance with Airwolf Aerospace, LLC Installation Instructions, Report AA-ECD-084-280/480, Rev. A, dated June 05, 2015, or later FAA-approved revision; and Tension-Torsion Strap Assemblies, P/N AA-ECD-084-480, on Enstrom TH-28/480 Model Series helicopters in accordance with Airwolf Aerospace, LLC Installation Instructions, Report AA-ECD-084-280/480, Rev. A, dated June 05, 2015, or latter FAA-approved revision. We also received with your request, the design data, inspection results, and test reports in support of this project SA07957CH-R. We have found these data to be adequate to substantiate the installation and do not require any further testing or investigation.

Enclosed are the following as evidence of FAA design data approval:

- 1) FAA STC SR03465CH, issued June 08, 2015;
- 2) FAA Approved Installation Instructions for the Installation of Airwolf Aerospace ,LLC Tension-Torsion Strap Assemblies; P/N AA-ECD-084-280/-480 in Enstrom F-28/280 & TH 28/480 Model Series Helicopters.
- 3) FAA Approved copy of Airworthiness Limitations, Instructions for Continued Airworthiness dated July 1, 2014, or later FAA approved revision;

Instructions for Continued Airworthiness, Main Rotor Blade Tension-Torsion Strap Assemblies, AA-ECD-084-280/-480-ICA, Rev.IR, dated July 01, 2014, are FAA accepted and should be incorporated into the operator's maintenance program.

The design approval, for Federal Aviation Administration - Parts Manufacturer Approval (FAA-PMA), is on the drawing and revision level indicated below, with eligibility on aircraft as shown:

Article Name	Part Number	Approved Replacement for Part Number	Approval Basis and Approved Design Data	Make Eligibility	Model Eligibility
Tension-Torsion Strap Assembly	AA-ECD-084-480	Modification Part	Airwolf STC No. SR03465CH, issued June 08, 2015. Report AA-ECD-084-280/480, Rev. A, dated June 05, 2015, or later FAA-approved revision.	Enstrom Helicopter	ENTROM 480, 480B, and TH- 28.
Tension-Torsion Strap Assembly	AA-ECD-084-280	Modification Part	Airwolf STC No. SR03465CH, issued June 08, 2015. Report AA-ECD-084-280/480, Rev. A, dated June 05, 2015, or later FAA-approved revision.	Enstrom Helicopter	F-28, F-28A, F-28C F-28C-2, F28C-2R, F-28F, F-28F-R, 280, 280C, 280F, 280FX

Please contact the FAA, Cleveland Manufacturing Inspection District Office (MIDO) for PMA. Their address is:

FAA, Cleveland Manufacturing Inspection Office
Great Northern Technology Park II
25221 Country Club Blvd, Suite 255
North Olmsted, OH 44070
Telephone: (440) 686-2800

The request to the MIDO/MISO must include a statement certifying your inspection system meets the requirements of 14 CFR 21.307.

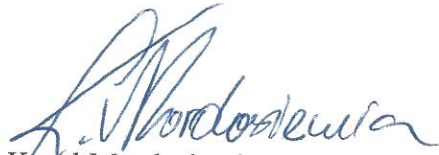
The approved data should be made available to the FAA upon request as indicated by 14 CFR §§ 21.41, 21.49 and 21.316(g).

Minor and Major changes to type design data must be submitted with all substantiating and required descriptive data (reference §§21.93, 21.95, 21.97, 21.319) and approved by the Chicago Aircraft Certification Office prior to aircraft installation unless another acceptable method has been approved by the FAA.

Please be aware of your responsibilities under the requirements of 14 CFR § 21.3, regarding the reporting of any failure, malfunction, or defect in any article manufactured under this approval.

If you have any questions regarding this approval, please contact Mr. Shawn Malekpourat (847) 294-7837 fax (847) 294-7834, email shawn.malekpour@faa.gov.

Sincerely,



Karol Mordasiewicz
Airframe & Administrative Branch
Chicago Aircraft Certification Office

3 Enclosures