

## PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ347 - Manufacturing Change</b>
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This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : AHG Ateliers de la Haute-Garonne  
NOM DE SOCIETE : 26 route de Lasbordes  
FIRMA : Flourens  
31131  
France

PLACE OF MANUFACTURE :  
LIEU DE FABRICATION : As above  
HERSTELLUNGSORT :

has met the requirements of EN9133 in respect of the following standards:  
a satisfait les exigences de l'EN9133 en ce qui concerne les normes suivantes:  
die Forderungen der EN9133 erfüllt unter Berücksichtigung der folgenden Normen:

**Approved under Report No : 1502-(MCR) – AHG Ateliers de la Haute-Garonne – Flourens (FR) PQ347 Dated: 6 Sep 2023**  
**Completed by ASD-CERT Auditor : Daniel Lécuru**

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN2549	-050, -060, -080	Aerospace series - Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN3381	-040, -050	Screws, 100 ° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature)/315 °C

This certificate is valid / Ce certificat est valable / Dieses Zertifikat ist gültig

from 01-May-2022 until 01-May-2025

except if cancelled in the meantime / sauf si annulé entre-temps / sofern zwischenzeitlich nicht widerrufen



**PRODUCT QUALIFICATION**  
**QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION**

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ347</b>
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Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN3820	-060	Aerospace series - Metric bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN4072	-050	Screws, 100 ° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated - Classification : 1100 MPa (at ambient temperature) / 425°C



This certificate is valid / Ce certificat est valable / Dieses Zertifikat ist gültig

from 01-May-2022 until 01-May-2025

except if cancelled in the meantime / sauf si annulé entre-temps / sofern zwischenzeitlich nicht widerrufen

A handwritten signature in black ink, appearing to be "CF", is written over a light blue horizontal line.

Christelle Festaud, ASD-CERT Secretary General  
331-476-57011 30 October 2023

ASD-CERT  
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1040 Brussels  
Belgium

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E-mail: [secretariat.general@asd-cert.org](mailto:secretariat.general@asd-cert.org)  
[www.asd-cert.org](http://www.asd-cert.org)

## PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	PQ347
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This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : AHG Ateliers de la Haute-Garonne  
NOM DE SOCIETE : 26 route de Lasbordes  
FIRMA : Flourens  
31131  
France

PLACE OF MANUFACTURE :  
LIEU DE FABRICATION : As above  
HERSTELLUNGSORT :

has met the requirements of EN9133 in respect of the following standards:  
a satisfait les exigences de l'EN9133 en ce qui concerne les normes suivantes:  
die Forderungen der EN9133 erfüllt unter Berücksichtigung der folgenden Normen:

**Approved under Report No : 1292-(R) – AHG Ateliers de la Haute-Garonne – Flourens (FR) PQ347 Dated: 27 Jun 2022**  
**Completed by ASD-CERT Auditor : Daniel Lécuru**

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN2549	050, 060, 080	Aerospace series - Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN3381	040, 050	Screws, 100 ° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature)/315 °C

This certificate is valid / Ce certificat est valable / Dieses Zertifikat ist gültig

from 01-May-2022 until 01-May-2025

except if cancelled in the meantime / sauf si annulé entre-temps / sofern zwischenzeitlich nicht widerrufen



Christelle Festaud, ASD-CERT Secretary General  
331-476-57011 21 November 2022

**PRODUCT QUALIFICATION**  
**QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION**

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ347</b>
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Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN3820	060	Aerospace series - Metric bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN4072	050	Screws, 100 ° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated - Classification : 1100 MPa (at ambient temperature) / 425°C



This certificate is valid / Ce certificat est valable / Dieses Zertifikat ist gültig

from 01-May-2022 until 01-May-2025

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Christelle Festaud, ASD-CERT Secretary General  
331-476-57011                      21 November 2022

## PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ347 Renewal</b>
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This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : AHG Ateliers de la Haute-Garonne  
NOM DE SOCIETE : 26 route de Lasbordes  
FIRMA : Flourens  
31131  
France

PLACE OF MANUFACTURE :  
LIEU DE FABRICATION : As above  
HERSTELLUNGSORT :

has met the requirements of EN9133 in respect of the following standards:  
a satisfait les exigences de l'EN9133 en ce qui concerne les normes suivantes:  
die Forderungen der EN9133 erfüllt unter Berücksichtigung der folgenden Normen:

**Approved under Report No :** 832-(R) – AHG Ateliers de la Haute-Garonne – Flourens (FR) PQ347 **Dated:** 19 Mar 2020  
**Completed by ASD-CERT Auditor :** Daniel Lécuru

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN2549	050, 060, 080	Aerospace series - Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification: 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN3381	040, 050	Screws, 100 ° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature)/315 °C

This certificate is valid until / Ce certificat est valable jusqu'au / Dieses Zertifikat ist gültig bis

01-May-2022

except if cancelled in the meantime / sauf si annulé entre-temps / sofern zwischenzeitlich nicht widerrufen



**PRODUCT QUALIFICATION**  
**QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION**

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ347</b>
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Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN3820	060	Aerospace series - Metric bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN4072	050	Screws, 100 ° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated - Classification : 1100 MPa (at ambient temperature) / 425°C



This certificate is valid until / Ce certificat est valable jusqu'au / Dieses Zertifikat ist gültig bis

01-May-2022

except if cancelled in the meantime / sauf si annulé entre-temps / sofern zwischenzeitlich nicht widerrufen

A handwritten signature in black ink, appearing to be "CF", is written over a light grey circular stamp.

Christelle Festaud, ASD-CERT Secretary General  
331-476-57011                      29 September 2020

# ASD-CERT

Certification of Aerospace Standard Products

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1000 Brussels  
BELGIUM

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## PRODUCT QUALIFICATION / QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. **PQ347**  
N° DE CERTIFICAT  
ZERTIFIKAT NR.

This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : AHG/ATELIER de la HAUTE GARONNE  
NOM DE SOCIETE : BP 73103 ; 26 route de LASBORDES  
FIRMA : 31131 FLOURENS CEDEX  
FRANCE

PLACE OF MANUFACTURE : As above  
LIEU DE FABRICATION :  
HERSTELLUNGSORT :

has met the requirements of EN9133 in respect of the following standards:  
a satisfait les exigences de l'EN9133 en ce qui concerne les normes suivantes:  
die Forderungen der EN9133 erfüllt unter Berücksichtigung der folgenden Normen:

Applicable Standard Norme applicable Zutreffende Norm	Products Produits Erzeugnisse	Report No. Issue Date ASD-CERT Mandated Body
ISO 9152	EN2549-050, 2549-060 & 2549-080 EN3381-040 & 3381-050 EN3820-060 EN4072-050	Report: N°254 - 1 for AHG_ACP005 Form1 - 2015/10/07 Michel CAPBLANCQ, TURBOMECA

This certificate is valid until / Ce certificat est valable jusqu'au / Dieses Zertifikat ist gültig bis

**May 2019**

except if cancelled in the meantime / sauf si annulé entre-temps / sofern zwischenzeitlich nicht widerrufen

DATE :  
DATE : 16/04/2016  
DATUM :

PLACE :  
A : Brussels, Belgium  
ORT :

SIGNATURE :  
SIGNATURE : Patrick Terrier, Secretary General, +33 1 47 65 70 14  
UNTERSCHRIFT :

