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PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO.
No DE CERTIFICAT
ZERTIFIKAT NR.

PQ442 - Manufacturing Change

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 : 1504-(MCR) – AHG Ateliers de la Haute-Garonne – Flourens (FR) PQ442 Dated: 6 Sep 2023
Completed by ASD-CERT Auditor : Daniel Lécureu

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152 : 1998	EN2549	-120	Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated
ISO9152 : 1998	EN3740	-060, -080	Bolts, shouldered, thin hexagonal head, close tolerance shank, short thread, in titanium alloy, anodized, MoS2 lubricated
ISO9152 : 1998	EN3820	-040, -080	Metric bolts, normal hexagon head, in titanium alloy, strength class 1100 MPa

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

from 06-Aug-2022 until 06-Aug-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 30 October 2023

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ISO9152 : 1998	EN3037	-060	Screws, pan head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated – Classification: 1100 MPa (at ambient temperature) / 315°C
ISO9152 : 1998	EN4130	-060, -080	Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, Aluminium IVD coated — Classification: 1100 MPa (at ambient temperature) / 425 °C
ISO9152 : 1998	EN3304	-050	screws 100° countersunk reduced head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2, lubricated. Classification 1100 MPa (at ambient temperature 315°C)
ISO9152 : 1998	EN4127	-060	Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated — Classification: 1100 MPa (at ambient temperature) / 425 °C



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Christelle Festaud, ASD-CERT Secretary General
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die Forderungen der EN9133 erfüllt unter Berücksichtigung der folgenden Normen:

Approved under Report No : 1285-(R) – AHG Ateliers de la Haute-Garonne – Flourens (FR) PQ442 Dated: 26 Jun 2022
Completed by ASD-CERT Auditor : Daniel Lécureu

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152 : 1998	EN2549	120	Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated
ISO9152 : 1998	EN3740	060, 080	Bolts, shouldered, thin hexagonal head, close tolerance shank, short thread, in titanium alloy, anodized, MoS2 lubricated
ISO9152 : 1998	EN3820	040, 080	Metric bolts, normal hexagon head, in titanium alloy, strength class 1100 MPa

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Christelle Festaud, ASD-CERT Secretary General
331-476-57011 2 December 2022

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ISO9152 : 1998	EN4130	060, 080	Bolts, normal hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, Aluminium IVD coated — Classification: 1 100 MPa (at ambient temperature) / 425 °C
ISO9152 : 1998	EN3304	050	screws 100° countersunk reduced head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2, lubricated. Classification 1100 MPa (at ambient temperature 315°C)
ISO9152 : 1998	EN4127	060	Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated — Classification: 1 100 MPa (at ambient temperature) / 425 °C



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331-476-57011 2 December 2022

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die Forderungen der EN9133 erfüllt unter Berücksichtigung der folgenden Normen:

Approved under Report No : 548- AHG Ateliers de la Haute-Garonne – Flourens (FR) EN2549-120, EN3037-060, EN3304-050, EN3740-060, EN3740-080, EN3820-040, EN3820-080, EN4127-060, EN4130-060, EN4130-080 **Dated:** 4 Nov 2018

Completed by ASD-CERT Auditor : Antoine DIAZ

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152 : 1998	EN2549	120	Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated
ISO9152 : 1998	EN3740	060, 080	Bolts, shouldered, thin hexagonal head, close tolerance shank, short thread, in titanium alloy, anodized, MoS2 lubricated
ISO9152 : 1998	EN3820	040, 080	Metric bolts, normal hexagon head, in titanium alloy, strength class 1100 MPa

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06-Aug-2022

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ISO9152 : 1998	EN3304	050	screws 100° countersunk reduced head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2, lubricated. Classification 1100 MPa (at ambient temperature 315°C)
ISO9152 : 1998	EN4127	060	Bolts, normal hexagonal head, coarse tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated — Classification: 1100 MPa (at ambient temperature) / 425 °C



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Christelle Festaud, ASD-CERT Secretary General
331-476-57011 6 August 2019