

ASD-CERT
Rond-Point Schuman 6
1040 Brussels
Belgium

Telephone: +33 1 47 65 70 18
E-mail: secretariat.general@asd-cert.org
www.asd-cert.org

PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	PQ236
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This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : Blanc Aero Industries - LISI - la Glèbe, La
NOM DE SOCIETE : Rouquette
FIRMA : 305 Rue de la Murette
Villefranche de Rouergue
12202
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 : 1374-(MCR) – Blanc Aero Industries – LISI – La Glèbe, La Rouquette, (FR) PQ465 Renewal & Transfer to PQ236 Dated: 2 Feb 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: 1998	EN4072	EN4072-080	Aerospace series. Screws, 100° countersunk normal head, offset cruciform recess, close tolerance shank, short thread in titanium alloy, aluminium IVD coated. Classification: 1 100 MPa (at ambient temperature) / 425 °C

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

from 01-Nov-2020 until 01-Nov-2023

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



Christelle Festaud, ASD-CERT Secretary General
331-476-57011 24 February 2023

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1040 Brussels
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PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	PQ236
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COMPANY NAME : Blanc Aero Industries - LISI - la Glèbe, La
NOM DE SOCIETE : Rouquette
FIRMA : 305 Rue de la Murette
Villefranche de Rouergue
12202
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 : 1293 – Blanc Aero Industries – LISI – La Glèbe, La Rouquette, (FR) PQ236 EN3381-030
– Qualification by analogy Dated: 19 Oct 2022

Completed by ASD-CERT Auditor : Sebastien GARCIA

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN3381	030	Aerospace series - Screws, 100° countersunk normal head, offset cruciform recess, close tolerance 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 22-Nov-2022 until 01-Nov-2023

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



Christelle Festaud, ASD-CERT Secretary General
331-476-57011 3 February 2023

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PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	PQ236
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This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : Blanc Aero Industries - LISI - la Glèbe, La
NOM DE SOCIETE : Rouquette
FIRMA : 305 Rue de la Murette
Villefranche de Rouergue
12202
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 : 1280 – Blanc Aero Industries – LISI – La Glèbe, La Rouquette, (FR) PQ236 – Qualification by analogy
Dated: 20 Oct 2022

Completed by ASD-CERT Auditor : Sebastien GARCIA

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN3304	040	Aerospace series - Screws, 100° countersunk reduced head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, 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 18-Nov-2022 until 01-Nov-2023

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



Christelle Festaud, ASD-CERT Secretary General
331-476-57011
3 February 2023

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PRODUCT QUALIFICATION QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. No DE CERTIFICAT ZERTIFIKAT NR.	PQ236 Renewal
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This is to certify that the manufacturer / Ceci certifie que le fabricant / Hiermit wird bescheinigt, dass der Hersteller

COMPANY NAME : Blanc Aero Industries - LISI - la Glèbe, La
NOM DE SOCIETE : Rouquette
FIRMA : 305 Rue de la Murette
Villefranche de Rouergue
12202
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 : 1052-(R) – Blanc Aero Industries – LISI – La Glèbe, La Rouquette, (FR) PQ236 Dated: 18 Aug 2021

Completed by ASD-CERT Auditor : Sebastien GARCIA

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN2549	030, 040, 050, 060, 080, 100, 120	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

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

from 01-Nov-2020 until 01-Nov-2023

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



Christelle Festaud, ASD-CERT Secretary General
331-476-57011 3 November 2021

PRODUCT QUALIFICATION

QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO.
No DE CERTIFICAT
ZERTIFIKAT NR.

PQ236

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN2870	040, 050, 060, 080, 120	Aerospace series - Bolts, normal bihexagonal head, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature)/315 °C
ISO9152	EN3037	030, 040, 050, 060	Aerospace series - Screws, pan head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN3304	050	Aerospace series - Screws, 100° countersunk reduced head, offset cruciform recess, 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, 060	Aerospace series - Screws, 100° countersunk normal head, offset cruciform recess, close tolerance shank, short thread, in titanium, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN3740	050, 060, 080, 100, 120	Aerospace series - Bolts, shouldered, thin hexagonal head, close tolerance shank, short thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN3820	040, 050, 060, 080	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	EN4071	050, 060, 080, 120	Aerospace series - Bolts, normal hexagonal head, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated - Classification : 1 100 MPa (at ambient temperature) / 425 °C
ISO9152	EN4072	050, 060	Aerospace series - Screws, 100° countersunk normal head, offset cruciform recess, close tolerance normal shank, short thread, in titanium alloy, aluminium IVD coated - Classification : 1 100 MPa (at ambient temperature) / 425 °C
ISO9152	EN4074	050	Aerospace series - Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, aluminium IVD coated - Classification : 1 100 MPa (at ambient temperature) / 425 °C
ISO9152	EN4127	050, 060, 080, 100	Aerospace series - 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
ISO9152	EN4130	040, 050, 060, 070, 080	Aerospace series - 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

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

from 01-Nov-2020 until 01-Nov-2023

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



Christelle Festaud, ASD-CERT Secretary General
331-476-57011 3 November 2021

PRODUCT QUALIFICATION
QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO.
No DE CERTIFICAT
ZERTIFIKAT NR.

PQ236

Applicable Standard Norme applicable Zutreffende Norm & Publication Date	Standard Number	Designation (or identifiers)	Products Produits Erzeugnisse
ISO9152	EN4133	050, 060, 080, 100	Aerospace series - Bolts, normal hexagonal head, coarse tolerance normal shank, long thread, in titanium alloy, aluminium IVD coated - Classification : 1 100 MPa (at ambient temperature) / 425 °C
ISO9152	EN4135	080, 100, 120	Aerospace series - Bolts, normal bi-hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN4137	080, 100	Aerospace series - Bolts, normal bi-hexagonal head, coarse tolerance normal shank, medium length thread, in titanium alloy, anodized, MoS2 lubricated - Classification : 1 100 MPa (at ambient temperature) / 315 °C
ISO9152	EN4178	050, 080	Aerospace series - Screws, pan head, six lobe recess, coarse tolerance normal shank, medium length thread, in titanium alloy, 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-Nov-2020 until 01-Nov-2023

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

Christelle Festaud, ASD-CERT Secretary General
331-476-57011 3 November 2021



Certification of Aerospace Standard Products

10 rue Montoyer
1000 Brussels
BELGIUM

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PRODUCT QUALIFICATION / QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO.
N° DE CERTIFICAT
ZERTIFIKAT NR.

PQ236 - Renewal

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

COMPANY NAME : BLANC AERO INDUSTRIES
NOM DE SOCIETE : Rue Jean Vaurs
FIRMA : 12200 Villefranche de Rouergue
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	Issue date of the Technical Specification	Products Produits Erzeugnisse	Issue date of the Product Standard	Report No. Issue Date ASD-CERT Mandated Body
ISO9152	1998	See Appendix	See Appendix	Report N° 585 – 18 th of October 2017 – for Blanc Aéro Industries Philip EDWARDS ROLLS-ROYCE

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

NOVEMBER 2020

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

DATE :
DATE :
DATUM :

18/10/2017

PLACE :
A :
ORT :

Brussels, Belgium

SIGNATURE :
SIGNATURE :
UNTERSCHRIFT :

Patrick Terrier, Deputy Secretary General, +33 1 47 65 70 14
On behalf of Christelle Festaud, Secretary General

PQ 236 – Appendix for the Qualified part number list

Standard	Issue date	Standard	Issue date	Standard	Issue date	Standard	Issue date
EN 2549	05/2006	EN 3381	09/1996	EN 4072	03/2016	EN 4133	04/2009
EN 2870	07/1996	EN 3740	09/1996	EN 4074	07/2009	EN 4135	07/2009
EN 3037	09/1996	prEN 3820	07/2015	EN 4127	07/2009	EN 4137	07/2009
EN 3304	09/1996	EN 4071	07/2009	EN 4130	04/2009	EN 4178	01/2017

Products
EN2549-030
EN2549-040
EN2549-050
EN2549-060
EN2549-080
EN2549-100
EN2549-120
EN2870-040
EN2870-050
EN2870-060
EN2870-080
EN2870-120
EN3037-030
EN3037-040
EN3037-050
EN3037-060
EN3304-050
EN3381-040
EN3381-050
EN3381-060
EN3740-050
EN3740-060
EN3740-080
EN3740-100
EN3740-120
EN3820-040
EN3820-050
EN3820-060

Products
EN3820-080
EN4071-050
EN4071-060
EN4071-080
EN4071-120
EN4072-050
EN4072-060
EN4074-050
EN4127-050
EN4127-060
EN4127-080
EN4127-100
EN4130-040
EN4130-050
EN4130-060
EN4130-070
EN4130-080
EN4133-050
EN4133-060
EN4133-080
EN4133-100
EN4135-080
EN4135-100
EN4135-120
EN4137-080
EN4137-100
EN4178-050
EN4178-080



Certification of Aerospace Standard Products

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Fax +32 2 775 81 31

PRODUCT QUALIFICATION / QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO.
N° DE CERTIFICAT
ZERTIFIKAT NR. **PQ 236**

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

COMPANY NAME : LISI BLANC AERO INDUSTRIES
NOM DE SOCIETE : Rue Jean Vaurs
FIRMA : 12200 Villefranche de Rouergue
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
ISO9152	See Appendix for the Qualified part number list	Report: N°79- 11_for_LISI_ACP005 Form2 - 2012/03/5 Michel CAPBLANCQ, TURBOMECA

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

July 2015

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

DATE :
DATE : 29 June 2012
DATUM :

PLACE :
A : Brussels, Belgium
ORT :

SIGNATURE :
SIGNATURE : Thierry Grenot, Secretary General, +33 1 47 65 70 18
UNTERSCHRIFT :

PQ 236 – Appendix for the Qualified part number list

Products
EN2549-030
EN2549-040
EN2549-050
EN2549-060
EN2549-080
EN2549-100
EN2549-120
EN2870-040
EN2870-050
EN2870-060
EN2870-080
EN2870-120
EN3037-030
EN3037-040
EN3037-050
EN3037-060
EN3304-050
EN3381-040
EN3381-050
EN3381-060
EN3740-050
EN3740-060
EN3740-080
EN3740-100
EN3740-120
EN3820-040
EN3820-050
EN3820-060

Products
EN3820-080
EN4071-050
EN4071-060
EN4071-080
EN4071-120
EN4072-050
EN4072-060
EN4074-050
EN4127-050
EN4127-060
EN4127-080
EN4127-100
EN4130-040
EN4130-050
EN4130-060
EN4130-070
EN4130-080
EN4133-050
EN4133-060
EN4133-080
EN4133-100
EN4135-080
EN4135-100
EN4135-120
EN4137-080
EN4137-100
EN4178-050
EN4178-080

