

# ASD-CERT

Certification of Aerospace Standard Products

Av de Tervuren 270  
B-1150 Brussels  
BELGIUM

Tel. +32 2 775 8114  
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## PRODUCT QUALIFICATION / QUALIFICATION DE PRODUIT / ERZEUGNISQUALIFIKATION

CERTIFICATE NO. N° DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ 067 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 : RWG Frankenjura-Industrie Flugwerkklager GmbH  
NOM DE SOCIETE :  
FIRMA :

PLACE OF MANUFACTURE : Gartenhaeuser Weg 19  
LIEU DE FABRICATION : D-91462 Dachsbach  
HERSTELLUNGSORT : Germany

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	Qualification Test Report No. Issue Date ASD-CERT Mandated Body
See attachment	See attachment	Continuous since 2000/2001 to 2007 and next 3 years in production plan. See attached FAIR according to AS9102 number 102-07 (EN2287-1208), 103-07 (EN3289BR06E), 104-07 (EN2585R20A) 22-10-2007, H.R. Ziemer, EADS-MAS.

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

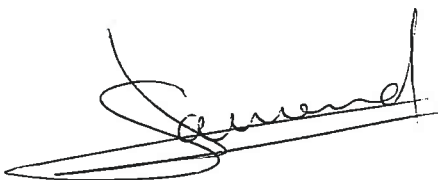
**October 2010**

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

DATE :  
DATE : 1<sup>st</sup> February 2008  
DATUM :

PLACE :  
A : Brussels, Belgium  
ORT :

SIGNATURE :  
SIGNATURE :  
UNTERSCHRIFT :

  
Stéphane Laumond, Secretary General (+33 1 47 65 70 18)



**Attachment to ASD-CERT PQ 67, 1<sup>st</sup> February 2008**

<b>Applicable standard</b>	<b>Products</b>	<b>Codes</b>	<b>Product description</b>
EN 2775	EN 3048	S30.	Bearings, spherical plain in corrosion resisting steel with self-lubricating liner - Light series - Elevated loads at ambient temperature - Dimensions and loads
EN 2775	EN 3048	S35.	Bearings, spherical plain in corrosion resisting steel with self-lubricating liner - Light series - Elevated loads at ambient temperature - Dimensions and loads
EN 2775	EN 3048	S40.	Bearings, spherical plain in corrosion resisting steel with self-lubricating liner - Light series - Elevated loads at ambient temperature - Dimensions and loads
EN 2775	EN 3048	S45.	Bearings, spherical plain in corrosion resisting steel with self-lubricating liner - Light series - Elevated loads at ambient temperature - Dimensions and loads
EN 2775	EN 3048	S50.	Bearings, spherical plain in corrosion resisting steel with self-lubricating liner - Light series - Elevated loads at ambient temperature - Dimensions and loads
EN 3280	EN 3283	.10.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.12.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.15.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.17.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.20.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.25.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.30.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.35.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.40.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.50.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3283	.60.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 8 and 9 - Dimensions and loads
EN 3280	EN 3286	.05.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.06.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.08.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.10.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.12.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.15.	Bearings, airframe rolling - Rigid single row ball bearings in corrosion resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads



**Attachment to ASD-CERT PQ 67, 1<sup>st</sup> February 2008**

<b>Applicable standard</b>	<b>Products</b>	<b>Codes</b>	<b>Product description</b>
EN 3280	EN 3286	.17.	Bearings, airframe rolling - Rigid single row ball bearings in corrosions resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.20.	Bearings, airframe rolling - Rigid single row ball bearings in corrosions resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.25.	Bearings, airframe rolling - Rigid single row ball bearings in corrosions resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3286	.30.	Bearings, airframe rolling - Rigid single row ball bearings in corrosions resisting steel - Diameter series 0 and 2 - Normal clearance category - Dimensions and loads
EN 3280	EN 3289	.05.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.06.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.08.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.10.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.12.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.15.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.17.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads
EN 3280	EN 3289	.20.	Bearings, airframe rolling - Double row self-aligning ball bearings in corrosion resisting steel - Diameter series 2 - Dimensions and loads



# AECMA-CERT

THE EUROPEAN ASSOCIATION OF AEROSPACE INDUSTRIES - CERTIFICATION

Gulledelle 94  
B-1200 Bruxelles  
Belgium

Tel. (32) 2 775 8110  
Fax (32) 2 775 8111

PRODUCT QUALIFICATION  
QUALIFICATION DE PRODUIT  
ERZEUGNIS-QUALIFIKATION

CERTIFICATE NO. N° DE CERTIFICAT ZERTIFIKAT NR.	<b>PQ 067</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:  
NOM DE SOCIETE: **RWG Frankenjura Industrie Flugwerklager GmbH**  
FIRMA:

PLACE OF MANUFACTURE: **Gartenhäuser Weg 19**  
LIEU DE FABRICATION: **D-91462 Dachsbach**  
HERSTELLUNGSORT: **Germany**

has met the requirements of EN 3042 in respect of the following standards:  
a satisfait les exigences de l'EN 3042 en ce qui concerne les normes suivantes:  
die Forderungen der EN 3042 erfüllt unter Berücksichtigung der folgenden Normen:

Applicable standard Norme applicable Zutreffende Norm	Products Produits Erzeugnisse	Report N° /Issue/Date
See Attachment 1 through 3	See Attachment 1 through 3	R-J-000-M-0366 12 September 2000

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

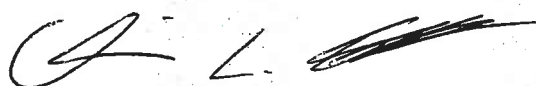
**December 2003**

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

DATE:  
DATE: **21 December 2000**  
DATUM:

PLACE:  
A: **Brussels**  
ORT:

SIGNATURE:  
SIGNATURE:  
UNTERSCHRIFT:



# Attachment 1 to AECMA-CERT PQ 067, 21 December 2000

Applicable standard Norm applicable Zutreffende Norm	Products Produits Erzeugnisse	Report No./ Issue date
EN 3280	Bearing Rolling:  EN 3283, codes 10, 12, 15, 17, 20, 25, 30, 35, 40, 50, 60  EN 3286, codes 5, 6, 8, 10, 12, 15, 17, 20, 25, 30  EN 3289, codes 5, 6, 8, 10, 12, 15, 17, 20	See PQ 067

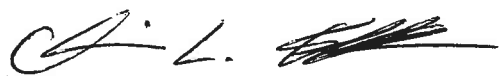
21 December 2000 – revised on 05.03.01



## Attachment 2 to AECMA-CERT PQ 067, 21 December 2000

Applicable standard Norm applicable Zutreffende Norm	Products Produits Erzeugnisse	Report No./ Issue date
EN 2337	Bearing Plain: EN 2335, codes 4, 5, 6, 8, 10, 12, 15, 17, 20, 25, 30, 35, 40, 45, 50, 60	See PQ 067

21 December 2000 – revised on 05.03.01



### Attachment 3 to AECMA-CERT PQ 067, 21 December 2000

Applicable standard Norm applicable Zutreffende Norm	Products Produits Erzeugnisse	Report No./ Issue date
EN 2775	Bearing Self Lub.: EN 3048, codes 12, 15, 17, 20, 25, 30, 35, 40, 45, 50	See PQ 067

21 December 2000 – revised on 05.03.01

  
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