

Statement of Compliance



GL Renewables Statement No. **DAA-GL-054-2012**

This Statement of Compliance for the A-Design Assessment of the Wind Turbine low speed shaft brake

Active Rotor Brake JHS-3000

is issued to

JUNGBLUT wind elements GmbH & Co. KG
Marler Str. 129a
46282 Dorsten
Germany

This statement attests the compliance with normative references stated below concerning the design. The A-Design Assessment is based on the calculations and fabrication drawings listed in the relevant Certification Report referenced below and the characteristic data given in the attached Annex.

Certification Report number and title:

74761 dated 30.11.2012 Active Rotor Brake JHS-3000

Normative references: "Guideline for the Certification of Wind Turbines", Edition 2010

Changes in design are to be approved by Germanischer Lloyd otherwise this statement loses its validity.

Hamburg, 05th December 2012

DvB/RoKa *Roka*

Germanischer Lloyd Industrial Services GmbH

[Signature]
i.V. Axel Dombrowski

[Signature]
i. V. Andreas Anders

By DAkkS according DIN EN 45011 / IEC/ISO Guide 65
accredited Certification Body for products
The accreditation is valid for the fields of certification
listed in the certificate



Germanischer Lloyd Industrial Services GmbH
Renewables Certification
Brooktorkai 18
20457 Hamburg, Germany

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Annex

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Characteristic Data JHS-3000:

Main Data

Type:	High Speed Shaft Rotor Brake
Make:	JHS-3000
Design:	Floating Calliper Brake
Max. operating pressure:	115 bar
Max. clamping force:	130 kN
Max. braking force:	91 kN
Min. diameter of brake disc:	800 mm

End of Annex *RoKa*

