

Statement No.: EN/RMSC/PCFV/2024/11/032

## Product Carbon Footprint Verification Statement

This statement is issued to:

**JTEKT BEARINGS(WUXI) CO., LTD.**

**Company Address: No. 32, Xiangge Road, Huda Town, Binhu District, Wuxi City, Jiangsu Province, China**

**Factory Address: No. 32, Xiangge Road, Huda Town, Binhu District, Wuxi City, Jiangsu Province, China**

**Submitted report for this verification is  
"JTEKT BEARINGS Product Carbon Footprint Assessment Report"**

**Declared Unit / Functional Unit:  
Product Carbon Footprint of single piece of BALL BEARING/6806 from  
cradle to gate is 0.245 kgCO<sub>2</sub>e.**

The PCF report and supporting documents for above mentioned product has been provided by the company and reviewed by SGS as in accordance with ISO 14040:2006 Life Cycle Assessment – Principles and Framework, ISO 14044:2006 Life Cycle Assessment – Requirements and Guidelines, and refer to ISO 14067:2018 Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification.

This verification statement is valid for 2 years,  
it shall be used to the above report (report name: JTEKT BEARINGS  
Product Carbon Footprint Assessment Report)  
as an integral explanation.

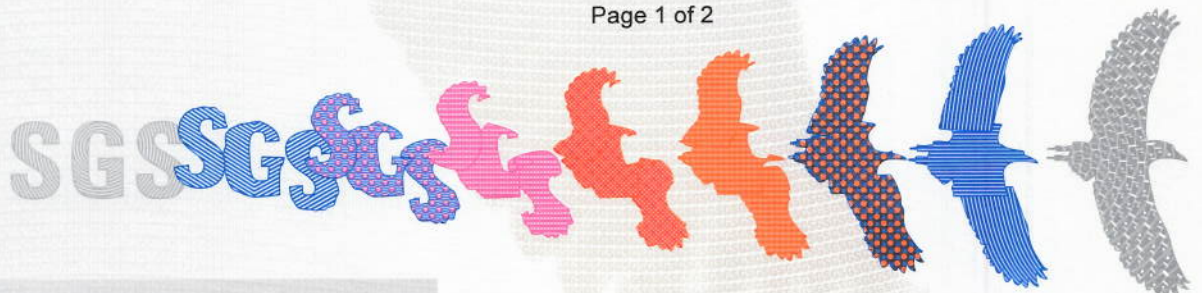
Signed by

*Chris Chen*

Issue Date: 05/12/2024  
Green Product Service  
Voluntary Certification Centre

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**This PCF reasonable assurance statement also includes below contents:**

Life Cycle Stage	Carbon Footprint (Unit: kg CO <sub>2</sub> eq)
Material	0.181
Manufacturing	0.064
Product Description:	Ball bearing
System Boundary:	The Life cycle stages of from cradle to gate which included material acquisition, transportation and manufacturing processes.
Data Collection:	Data collected for this PCF calculation and reporting was from 01/01/2023 to 31/12/2023.
Data Source:	Primary data was collected from raw material and manufacturing site of the product, secondary data was from 100-year global warming potentials defined by the Intergovernmental Panel on Climate Change (IPCC 2021, Table 7.SM.7), and life cycle database Ecoinvent 3.9.
Allocation:	Physical properties.
Cut-off Rules:	<p>(1) In principle, energy consumption, raw and auxiliary materials, and consumables at the use stage, which have little impact on the carbon footprint results, can be cut-offed. In this product, consumables in the production and processing stages (grinding oil, cutting fluid, cleaning agent) are ignored in the calculations because the amount used per unit of product is too low, and this is hereby clarified.</p> <p>(2) Consumption and emission of infrastructure such as roads and plants, production equipment, personnel and living facilities in the plant can be cut-offed.</p> <p>(3) Low value wastes as raw materials, such as fly ash, slag, straw, domestic garbage, etc., are ignored for their upstream production data.</p> <p>Auxiliary cleaning agents, cutting fluids, and grinding oil inputs and outputs are cut-offed in the calculation as their contribution is much less than 1% of the product's carbon footprint.</p>
PCF Report:	The PCF report was submitted by the listed company on 18/11/2024 and verified by SGS to its material accuracy. The data information of the verified product was authentically revealed, and the quantifying, monitoring and reporting were in accordance with ISO 14067:2018, ISO 14040:2006 and ISO 14044:2006 standards requirements.

Signed by



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