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HB

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

HB 8748-2023

Modeling process and requirements for selective melting lattice structure of aerospace parts

航空零件选区熔化点阵结构建模流程与要求

(English Translation)

Issued on: December 20, 2023 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology of the People's Republic of China

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1 Foreword

HB 8748-2023 was issued by Ministry of Industry and Information Technology of the People's Republic of China on 20 December 2023 and has been in force since 1 July 2024.

The HB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the terminology definitions, basic modeling methods, digital modeling procedures and requirements for lattice structure design, and basic expression methods for selective melting lattice structures of aerospace parts. This standard is applicable to modeling for the design of selected melting lattice structures of aerospace parts.

HB 8748-2023 falls under ICS 49.025, in the field of aircraft and space vehicle engineering.

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This catalogue holds 64 other HB standards in that field.

In this catalogue, HB standards carry edition years from 2012 to 2025.

3 About this standard

Sector: Aviation Industry Standard

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English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

GB/T 38905-2020 - Type designation for civil unmanned aircraft system

GB/T 38239-2019 - Service specification for space science data products

GB/T 36249-2018 - Model based aviation equipment research and development-Technical data package

HB 8678-2023 - Method for determining allowable values for aircraft composite laminate structural design

HB 8677-2023 - Calculation method of aircraft integral fuel tank oil pressure load

HB 8747-2023 - Aerospace additive manufacturing test report format and data requirements

5 Classification and status

International classification (ICS): 49.025

Chinese Standard Classification (CCS): V 04

Prefix HB: mandatory standard.

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