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ICS 21.010
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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/Z 208-2026

General technical specification for superconducting electrodynamic magnetic suspension system

超导电动磁悬浮系统通用技术规范

(English Translation)

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Foreword

GB/Z 208-2026 is a national guiding technical document (GB/Z) of the People's Republic of China, issued on 27 August 2026 by the State Administration for Market Regulation and the Standardization Administration of China.

It is under the responsibility of the Standardization Administration of China.

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1 Scope

Superconducting electrodynamic magnetic suspension is a levitation approach in which superconducting magnets are used to support and guide a vehicle without contact, and this document provides a general technical specification for such systems. It is a guiding technical document of the GB/Z type, so it gives guidance and a common technical basis instead of mandatory requirements.

Because the subject is an emerging area of high-speed ground transportation and related engineering, the document is of interest to research institutes, system designers, component and cryogenic equipment manufacturers, and project owners who plan test lines or demonstration systems. Reviewers and standards developers can also use it to see how Chinese authorities frame the general technical expectations for this technology at the system level. The document was issued on 27 August 2026 by the national standardization administration. Engineers and analysts who follow maglev developments in China, or who need to compare technical documentation for magnetic suspension systems from different countries, can consult it as a reference for the national general specification.

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