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**Fork lift trucks — Brake performance
and brake tests**

ICS 53.060

Descriptors : fork trucks, brakes, performance testing, industrial trucks

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D 6023 : 1999

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS D 6023:1996** is replaced with this Standard.

This revision is made as laying emphasis on conformity with the corresponding International Standard.

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In the event of any doubts arising as to the contents,
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Fork lift trucks

— Brake performance and brake tests

Introduction This Japanese Industrial Standard has been prepared based on **ISO 6292**, *Powered industrial trucks and tractors — Brake performance and component strength* published in 1996 as the first edition without modifying the corresponding technical contents, while it complementarily contains the provisions not specified in the corresponding International Standard as a part of Japanese Industrial Standard.

The portions underlined with dots in this Standard are the matters not specified in the corresponding International Standard.

1 Scope This Japanese Industrial Standard specifies performance, test methods and component strengths for brakes fitted to fork lift trucks with rated capacities up to and including 50 000 kg (hereafter referred to as "fork lifts").

Remarks 1 Load and weight used in this Standard mean the mass.
2 The International Standard corresponding to this Standard is as follows.

ISO 6292 *Powered industrial trucks and tractors — Brake performance and component strength*

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standards indicated below shall be applied.

JIS D 0106 *Road vehicles — Brake types, braking mechanics and brake operation — Vocabulary*

Remarks: References from **ISO 611:1994**, *Road vehicles — Braking of automotive vehicles and their trailers — Vocabulary* are equivalent to the corresponding matters in the said standard.

JIS D 6201 *Glossary of terms relating to fork lift trucks*

Remarks: References from **ISO 5053:1987**, *Powered industrial trucks — Terminology* are equivalent to the corresponding matters in the said standard.

3 Definitions For the purpose of this Standard definitions given in **JIS D 0106** and **JIS D 6201** apply.

4 Performance Fork lifts shall be equipped with service brake and parking brake working independently to each other and shall meet the following performances under the standard load condition in travelling. Where the service brake is a deadman brake, it may also be used additionally as the parking brake.

4.1 Service brake The performance of service brakes shall be as follows:

a) Service brakes, when tested by the methods specified in 5, shall develop the performance, F , given in Table 1.