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(JMHA/JSA)

Hand trucks

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Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal for establishment of Japanese Industrial Standard submitted by Japan Material Handling Association (JMHA)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

Consequently **JIS B 8920:1993** is replaced with this Standard.

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Hand trucks

1 Scope

This Japanese Industrial Standard specifies flatbed hand trucks which are used for carrying goods except humans and animals in plant premises, indoors and the like, mainly by human power, and which are capable of carrying a maximum loading mass not exceeding 1 200 kg.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 8922 *Industrial wheels*

JIS B 8923 *Industrial castors*

JIS K 6302 *Cycles—Tyres*

JIS K 6304 *Inner tubes for bicycle tyres*

3 Terms and definitions

For the purpose of this Standard, the following terms and definitions apply.

3.1 flatbed hand truck

hand truck having three or more wheels and a flat loading platform without any structure on it (see the figure of symbol F in table 1)

3.2 single-handrail hand truck

flatbed hand truck equipped with a handrail on one end of the loading platform (see the figure of symbol S in table 1)

3.3 double-handrail hand truck

flatbed hand truck equipped with a handrail or protective rail on each of the both ends of the loading platform (see the figure of symbol D or P in table 1)

3.4 box-type hand truck

hand truck having a box-type body (see the figure of symbol B in table 1)

NOTE : The box can be mesh or fabric.

3.5 shelf-type hand truck

hand truck having shelf-like multiple loading surfaces (see the figure of symbol R in table 1)

3.6 bucket-type hand truck

hand truck provided with a bucket-type container and one or two wheels, designed to carry goods by distributing the mass of the goods between the front and back of the wheel axle (see the figure of symbol V in table 1)

3.7 lever-type hand truck

hand truck capable of carrying goods after loading the goods applying the leverage principle (see the figure of symbol H in table 1)

3.8 balance-type wheel arrangement

wheel arrangement where a moderately large fixed wheel or wheels are located in the middle of the front and rear wheels of 5- and 6-wheeled trucks or of some of 4-wheeled trucks so that either the front or rear wheels, which are gyrating wheels smaller than the middle wheel(s), do not touch the ground while moving on a flat road

3.9 loading platform

hand truck structure for putting goods on it, the length and width of which do not include the cushioning rubbers, handrails, etc. on its periphery (see figure 1)

3.9.1 loading platform length

maximum dimension of the loading platform in the travelling direction of the hand truck

3.9.2 loading platform width

maximum dimension of the loading platform in the direction perpendicular to the travelling direction of the hand truck

3.9.3 loading surface length

dimension which is the length of the loading platform in the travelling direction of the hand truck, excluding the parts which would obstruct the loading of goods

3.9.4 loading surface width

dimension which is the length of the loading platform in the direction perpendicular to the travelling direction of the hand truck, excluding the parts which would obstruct the loading of goods