

Translated English of Chinese Standard: GB/T12939-2015

www.ChineseStandard.net

Sales@ChineseStandard.net

GB

NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA

ICS 83.160.99

G 41

GB/T 12939-2015

Replacing GB/T 12939-2002

Rims for Industrial Vehicles

(ISO 3739-3:2008, Industrial Tyres and Rims – Part 3: Rims, NEQ)

工业车辆轮辋规格系列

GB/T 12939-2015 How to BUY & immediately GET a full-copy of this standard?

1. www.ChineseStandard.net;
2. Search --> Add to Cart --> Checkout (3-steps);
3. No action is required - Full-copy of this standard will be automatically & immediately delivered to your EMAIL address in 0~25 minutes.
4. Support: Sales@ChineseStandard.net. Wayne, Sales manager

Issued on: September 11, 2015

Implemented on: April 1, 2016

**Issued by: General Administration of Quality Supervision, Inspection and Quarantine;
Standardization Administration of PRC.**

Table of Contents

Foreword.....	3
1 Scope	4
2 Normative References.....	4
3 Terms and Definitions.....	4
4 Rim Contour Dimension Codes.....	4
5 Rim Contour and Dimension	6
6 Rim Specified Diameter.....	13

Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 12939-2002 *Rims Series for Industrial Vehicles*; compared with 12939-2002, this Standard has the major technical changes as follows:

- Modified the normative references (see Chapter 2);
- Modified the terms and definitions (see Chapter 3);
- Added the rim contour codes and diagrammatic views (see Chapter 4);
- Increased part of 5° flat base rim (see Table 4, Table 5; Table 17 of 2002 Edition);
- Increased 15° drop center rim (see 5.4);
- Deleted part of rims (see 4.6, 4.7, 4.8, 4.11 of 2002 Edition);
- Deleted Appendix A, Appendix B, and Appendix C from the previous version of standard.

This Standard was prepared through adopting the re-drafting method and referring to ISO 3739-3: 2008 *Industrial Tyres and Rims – Part 3: Rims*; this Standard's consistency degree with ISO 3739-3: 2008 is not equivalent.

This Standard was proposed by China Petroleum and Chemical Industry Federation.

This Standard shall be under the jurisdiction of National Technical Committee for Standardization of Tyres and Rims (SAC/TC 19).

Drafting organizations of this Standard: Zhongce Rubber Group Co., Ltd., Shandong Linglong Tyre Co., Ltd., Shantou Haoda Tyre Test Equipment Co., Ltd., Tianjin Jiurong Wheel Tech Co., Ltd., Beijing Research & Design Institute of Rubber Industry, Triangle Tyre Co., Ltd., and Guizhou Tyre Co., Ltd..

Chief drafting staffs of this Standard: Li Gongwu, He Jian, Chen Shaomei, Chen Xun, Gu Zheng, Mu Shouyong, Hua Yingchun, Qiu Yi, and Chen Manxue.

The historical editions replaced by this Standard are as follows:

- GB/T 12939-1991, GB/T 12939-2002.

Rims for Industrial Vehicles

1 Scope

This Standard specifies the contour terms, codes, contour shapes and dimensions for rims of industrial vehicles.

This Standard is applicable to the rim specification series used by the pneumatic tyres of the industrial vehicles.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 2933 Wheels/Rims for Pneumatic Tyres – Nomenclature, Designation and Marking

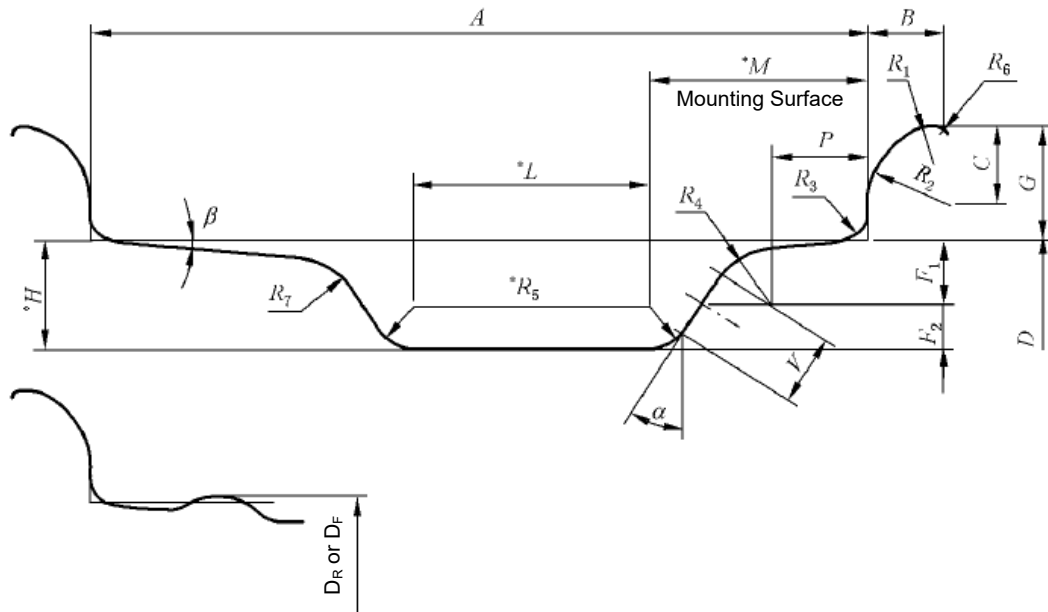
GB/T 6326 Tyre Terms and Definitions

3 Terms and Definitions

The terms and definitions stipulated in GB/T 2933 and GB/T 6326 are applicable to this Document.

4 Rim Contour Dimension Codes

The rim contour dimension codes can refer to Figure 1.



Instructions:

A – rim specified width;

B – flange width;

C – position dimension of flange radius;

D – rim specified diameter;

F_1, F_2 – position dimension of valve hole on rim;

G – flange height;

D_R, D_F – bead seat round hump diameter;

L – groove bottom width;

M – position dimension of groove;

P – bead seat width;

R_1 – flange bond radius;

R_2 – flange radius;

R_3 – bead seat radius;

R_4 – groove top radius;

R_5 – groove bottom radius;

R_7 – groove side radius;

V – valve hole or groove dimension;

α – groove bottom angle;

β – bead seat angle.

NOTE 1: all dimensions marked with * are relevant to the mounting and dismounting of tyres on rims; they are the minimum dimension on the groove bottom of rim; M indicates limit dimension of the groove bottom position.

NOTE 2: groove top radius R_4 and groove bottom angle α are the important parameters for the mounting and dismounting of tyres on the rims.

NOTE 3: the mounting surface indicates where the tyre is mounted into the rim or the tyre is dismounted. For multi-piece rims, the mounting surface indicates the side where the flange is removable.

Figure 1 Rim Contour

This is an excerpt of the PDF (Some pages are marked off intentionally)

Full-copy PDF can be purchased from 1 of 2 websites:

1. <https://www.ChineseStandard.us>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Select your country (currency), for example: USA (USD); Germany (Euro).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Tax invoice can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with download links).

2. <https://www.ChineseStandard.net>

- SEARCH the standard ID, such as GB 4943.1-2022.
- Add to cart. Only accept USD (other currencies - <https://www.ChineseStandard.us>).
- Full-copy of PDF (text-editable, true-PDF) can be downloaded in 9 seconds.
- Receiving emails in 9 seconds (with PDFs attached, invoice and download links).

Translated by: Field Test Asia Pte. Ltd. (Incorporated & taxed in Singapore. Tax ID: 201302277C)

About Us (Goodwill, Policies, Fair Trading...): <https://www.chinesestandard.net/AboutUs.aspx>

Contact: Wayne Zheng, Sales@ChineseStandard.net

Linkin: <https://www.linkedin.com/in/waynezhengwenrui/>

----- The End -----