
**Definitions of some terms used in the tyre
industry —**

Part 1:
Pneumatic tyres

AMENDMENT 1

iTeh STANDARD PREVIEW

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*Définitions de certains termes utilisés dans l'industrie du
pneumatique —*

Partie 1: Pneumatiques

<https://standards.iteh.ai/en/standards/ist/d4ff8984-f803-4397-971f-50a08d9e904a/iso-4223-1-2002-amd-1-2011>
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Foreword

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Amendment 1 to ISO 4223-1:2002 was prepared by Technical Committee ISO/TC 31, *Tyres, rims and valves*.

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Part 1: Pneumatic tyres

AMENDMENT 1

Page 1, 3.1.2

Replace the definition with the following:

“tyre for use other than normal use (e.g. tyre for mixed use both on or off the road) and at restricted speed”

Page 2

Add the following new subclause after 3.1.6:

3.1.7 run flat tyre

tyre designed to operate in an inflated mode and capable of running at least a specified distance under prescribed conditions in the event that the tyre does not hold air

Page 2, 3.3.3

Replace the definition with the following, and delete the Note:

“tyre that has not been used and is not a retread tyre”

Page 3

Add the following new definitions after 3.3.8:

3.3.9 capped inflation

process of inflating the tyre and allowing the inflation pressure to build up, as the tyre is warmed up while running

3.3.10 regulated inflation

process of inflating the tyre to the required cold pressure and allowing the inflation pressure to change as the tyre runs under load

NOTE This is most commonly done by using a regulated pressure source attached to the tyre through a rotating union.

3.3.11

retread tyre

used tyre that has been remanufactured by replacing the worn tread with new material

NOTE 1 The external sidewall surface material may also be renewed.

NOTE 2 This is a generic term.

3.3.12

rolling resistance coefficient

ratio of the rolling resistance, in kilonewtons, to the load on the tyre, in kilonewtons

NOTE This quantity is dimensionless.

3.3.13

tyre strength indicator

star marking (one, two, three, etc.) or ply rating used as an indication of tyre strength

Page 7

Add the following new definitions after 7.1.1.4:

7.1.1.5

LT

letters (optional) placed immediately in front of the section width to identify tyres for light duty trucks

7.1.1.6

C

letters (optional) placed immediately after the rim diameter code to identify tyres for light duty trucks

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Page 7

Add the following new definitions after 8.9:

8.10

measuring rim

rim on which a tyre is required to be fitted for size measurements

8.11

open splice

any parting at any junction of tread, sidewall or inner liner that extends to cord material

8.12

rim

that part of the wheel on which the tyre is mounted and supported

8.13

sidewall separation

parting of the rubber compound from the cord material in the sidewall

Page 10, Table A.3

Add code 63, 1 600 mm, to 5 degree rims table.

Page 11, Table A.4

Replace 21 and 23 diameter codes with the following:

Nominal rim diameter D_r code	Specified rim diameter ^a (recommended) D mm
21 (drop centre) ^b	538,2
21 (multi-piece) ^c	533,4
23 (drop centre) ^b	589,0
23 (multi-piece) ^c	584,2

Add below the table:

^b Rim which is of one-piece construction and incorporates a well.

^c Rim of construction of two or more pieces.

Replace note "a" with the following:

^a These values are defined as follows:

5 degree rims

16 and below diameter

17 to 20 diameter

Over 20 for drop centre rims

Over 20 even, for multi-piece rims

Over 20 odd, for multi-piece rims

Diameter code x 25,4 - 0,8

Diameter code x 25,4 + 4,8

Diameter code x 25,4 + 4,8

Diameter code x 25,4 + 4,8

Diameter code x 25,4

15 degree rims

All diameters

Diameter code x 25,4

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