



**Economic and Social
Council**

Distr.
GENERAL

TRANS/WP.29/2003/5
12 December 2002

Original: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

INLAND TRANSPORT COMMITTEE

World Forum for Harmonization of Vehicle Regulations (WP.29)

(One-hundred-and-twenty-ninth session,
11-14 March 2003, agenda item 4.2.8.)

PROPOSAL FOR DRAFT SUPPLEMENT 15 TO REGULATION No. 54

(Pneumatic tyres for commercial vehicles)

Transmitted by the Working Party on Brakes and Running Gear (GRRF)

Note: The text reproduced below was adopted by GRRF at its fifty-second session, and is transmitted for consideration to WP.29 and to AC.1. It is based on the text reproduced in the session report (TRANS/WP.29/GRRF/52, para. 38 and annex 3).

This document is a working document circulated for discussion and comments. The use of this document for other purposes is the entire responsibility of the user.

Documents are also available via the INTERNET:
<http://www.unece.org/trans/main/welcwp29.htm>

Paragraph 2.17.1.2., amend to read:

" in annex 5 to this Regulation or, depending on the tyre design type, the nominal outer diameter expressed in mm;"

Insert a new paragraph 2.17.1.4. to read:

"2.17.1.4. An indication of the tyre to rim fitment configuration when it differs from the standard configuration and is not already expressed by the symbol "d" denoting the nominal rim diameter code."

Paragraphs 2.17.2. to 2.17.2.5., should be deleted.

Paragraph 3.1.11., amend to read:

"3.1.11. In the case of tyres first approved after [1 January 2004] the identification referred to in paragraph 2.17.1.4. shall be placed only immediately after the rim diameter marking referred to in paragraph 2.17.1.3."

Insert new paragraphs 3.1.13 to 3.1.15., to read:

"3.1.13. The suffix "C" or "LT" after the rim diameter marking referred to in paragraph 2.17.1.3., and, if applicable, after the tyre to rim fitment configuration referred to in paragraph 2.17.1.4.:

3.1.13.1. this marking is optional in the case of tyres fitted on 5° drop centre rims, suitable for single and dual fitment, having a load capacity index in single lower or equal to 121 and destined for the equipment of motor vehicles.

3.1.13.2. this marking is mandatory in the case of tyres fitted on 5° drop centre rims, suitable for single fitment only, having a load capacity index higher or equal to 122 and destined for the equipment of motor vehicles.

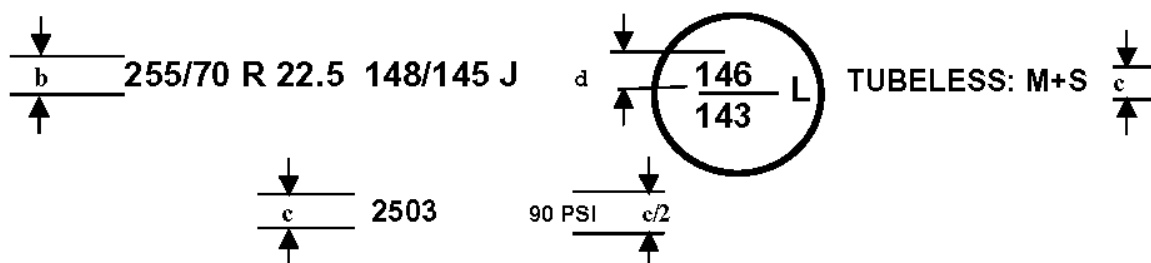
3.1.14. The suffix "CP" after the rim diameter marking referred to in paragraph 2.17.1.3., and, if applicable, after the tyre to rim fitment configuration referred to in paragraph 2.17.1.4. This marking is mandatory in the case of tyres fitted on 5° drop centre rims, having a load capacity index in single lower or equal to 121 and specifically designed for the equipment of motor caravans.

3.1.15. The inscription "FRT" (free rolling tyres) in the case of tyres specifically designed for the equipment of trailers."

Annex 3, amend to read:

"Annex 3

ARRANGEMENT OF TYRE MARKINGS



	MINIMUM HEIGHTS OF MARKINGS (mm)	
	Tyres of nominal rim diameter < 508mm (Code 20) or of nominal section width ≤ 235mm (Code 9)	Tyres of nominal rim diameter ≥ 508mm (Code 20) or of nominal section width > 235mm (Code 9)
b	6	9
c	4	
d	6	

1. These markings, given as an example, define a pneumatic tyre:

Having a nominal section width of 255;

Having a nominal aspect ratio of 70;

Of radial-ply structure (R);

Having a nominal rim diameter of 572 mm, for which the symbol is 22.5;

Having load capacities of 3,150 kg when single and 2,900 kg when twinned (dual), corresponding respectively to the load indices 148 and 145 shown in annex 4 to this Regulation;

Having a reference speed of 100 km/h corresponding to speed category symbol: J

Classified in the category of use Snow: M+S

Able to be used additionally at 120 km/h (speed category symbol L) with a load capacity of 3,000 kg when single and 2,725 kg when twinned (dual), corresponding respectively to the load indices 145 and 143 shown in annex 4 to this Regulation

Capable of being fitted without inner tube: "TUBELESS"

Manufactured during the twenty-fifth week of the year 2003, and

Requiring to be inflated to 620 kPa for load/speed endurance tests, for which the PSI symbol is 90.

2. In the particular case of tyres having a tyre to rim fitment configuration "A", the marking shall be in the form of the following example:

235-700 R 450A where:

235 is the nominal section width in mm

700 is the outer diameter expressed in mm

R is an indication of the structure of the tyre -see paragraph 3.1.3. of this Regulation

450 is the nominal diameter of the rim expressed in mm

A is the tyre to rim fitment configuration.

The marking of the load index, speed category symbol, date of manufacture and other markings, shall be as given in example 1 above.

3. The positioning and order of the markings constituting the tyre designation shall be the following:
- a) The tyre-size designation as defined in paragraph 2.17. of this Regulation shall be grouped as shown in above examples: 255/70 R 22.5 or 235-700 R 450A;
 - (b) The service description comprising the load index/indices and the speed symbol shall be placed immediately after the tyre size designation as defined in paragraph 2.17 of this Regulation;
 - (c) The symbols "TUBELESS" and "M+S" or "FRT" or "MPT" (and equivalents) may be at a distance from the tyre size designation
 - (d) If paragraph 6.2.5. of "

Annex 7,

Paragraph 2.2.1., amend to read:

"2.2.1. In the case of tyres with a speed category symbol above P, test procedures are specified in paragraph 3."

Paragraph 3., amend to read:

"3. Load/speed test programme for tyre with speed category symbol Q and above

3.1. This programme applies to:

3.1.1. all tyres marked with load capacity index in single 121 or less.

3.1.2. tyres marked with load capacity index in single 122 and above and with the additional marking "C", or "LT", referred to in paragraph 3.1.13. of this Regulation."

Paragraphs 3.1. to 3.5. (former), renumber as paragraphs 3.2. to 3.6.

Annex 7, appendix 1, note (2), amend to read:

" additional marking "LT", or "C", referred to in paragraph 3.1.13. of this Regulation, shall be tested ... "
