

26 April 2018

Agreement

Concerning the Adoption of Harmonized Technical United Nations Regulations for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these United Nations Regulations*

(Revision 3, including the amendments which entered into force on 14 September 2017)

Addendum 53 – UN Regulation No. 54

Revision 3 - Amendment 4

Supplement 22 to the original version of the Regulation – Date of entry into force: 10 February 2018

Uniform provisions concerning the approval of pneumatic tyres for commercial vehicles and their trailers

This document is meant purely as documentation tool. The authentic and legal binding text is: ECE/TRANS/WP.29/2017/68.



UNITED NATIONS

* Former titles of the Agreement:

Agreement concerning the Adoption of Uniform Conditions of Approval and Reciprocal Recognition of Approval for Motor Vehicle Equipment and Parts, done at Geneva on 20 March 1958 (original version); Agreement concerning the Adoption of Uniform Technical Prescriptions for Wheeled Vehicles, Equipment and Parts which can be Fitted and/or be Used on Wheeled Vehicles and the Conditions for Reciprocal Recognition of Approvals Granted on the Basis of these Prescriptions, done at Geneva on 5 October 1995 (Revision 2).

Paragraph number 2.17.1.3.1., correct to read 2.20.1.3.1.

Paragraph 3.1.5., amend to read:

"3.1.5. The inscription M+S or M.S or M&S if the tyre is classified in the category of use "snow tyre" or if the tyre is classified in the category of use "special use tyre" when declared by the tyre manufacturer at paragraph 4.1.3. as complying also with the definition given in paragraph 2.5.2."

Paragraph 3.1.10., amend to read (delete the reference to footnote 5):

"3.1.10. An indication, by the "PSI" index, of the inflation pressure to be adopted for the load/speed endurance tests, as explained in Annex 7, Appendix 2. However, this indication, which it is permissible to restrict to one sidewall, shall not be mandatory, on any tyre submitted for approval, until two years after the date of entry into force of this Regulation"

Paragraph 6.1.5.3.3., amend to read:

"6.1.5.3.3. For snow tyres of the category of use "snow tyre" the outer diameter shall not exceed the following value

$$D_{\max, \text{snow}} = 1.01 \cdot D_{\max} \quad \text{rounded to the nearest mm}$$

where D_{\max} is the maximum outer diameter established in conformity with the above."

Paragraph 11., amend to read

"11. Names and addresses of Technical Services responsible for conducting approval tests, of test laboratories, and of Type Approval Authorities"

Appendix 1, note 1, amend to read:

"Endurance-test programme

Load index	Tyre speed category symbol	Test-drum speed		Load placed on the wheel as a percentage of the load corresponding to the load index		
		Radial-ply km/h ⁻¹	Diagonal (bias-ply) km/h ⁻¹	7 h.	16 h.	24 h.
122 or more	F	32	32	66 %	84 %	101 %
	G	40	32			
	J	48	40			
	K	56	48			
	L	64	-			
	M	72	-			
121 or less	F	32	32	70 %	88 %	106 %
	G	40	40			
	J	48	48			
	K	56	56			
	L	64	56			

Load index	Tyre speed category symbol	Test-drum speed		Load placed on the wheel as a percentage of the load corresponding to the load index		
		Radial-ply km/h ⁻¹	Diagonal (bias-ply) km/h ⁻¹	7 h.	16 h.	24 h.
				4 h.	6 h.	
	M	80	64	75 %	97 %	114 %
	N	88	-	75 %	97 %	114 %
	P	96	-	75 %	97 %	114 %

Notes:

(1) "Special-use" tyres (see paragraph 2.1.3. of this Regulation) should be tested at a speed equal to 85 per cent of the speed prescribed for equivalent normal tyres."

Annex 3,

The table, amend to read:

"

	Minimum heights of markings (mm)
b	6
c	4
d	6

"

Annex 5,

Part II, Table B, add the following entries:

"

Tyre-size designation (+)	Measuring rim width code	Nominal rim diameter d (mm)	Outer diameter D (mm)		Section width S (mm)
			Normal	Snow	
...					
33x11.50R20LT	9.00	508	826	832	290
35x11.50R17LT	9.00	432	877	883	290
37x13.50R26LT	11.00	660	928	934	345
36x15.50R20LT	12.50	508	902	908	395
40x15.50R26LT	12.50	660	1004	1010	395
...					

"