

**Amendments to the Proposal for amendments to Regulation No. 54
(ECE/TRANS/WP.29/GRRF/2017/18)**

It was felt that to take into account specific requirements by Tire and Rim Association guidelines when considering "Annex 5 Part II - United States tyres" and introducing the new dimensional guidelines, additional footnotes would be needed. The issue deals with the different terminology in Europe than in the US. The current table for Outer Diameter has (and has always been) listed as "Normal" and "Snow". However, in the TRA yearbook, one designs to either "Highway Tread" or "Traction Tread" for Outer Diameter. With that said, all High Flotation tires with a Highway Tread will likely have the "M+S" marking because they are considered All-Season tires for the North America market. So, when any High Flotation tires are being approved by a type approval authority in Europe, they will all be considered as Snow tires even though they may have a Highway (rib design) Tread due to the "M+S" marking.

Annex 5, Part II, Table B, amend to read:

Tyre-size designation ^{1,4}	Measuring rim width code	Nominal rim diameter <i>d</i> (mm)	Outer diameter <i>D</i> (mm) ²		Section width <i>S</i> (mm) ³
			Normal ⁵	Snow ⁶	
...

¹ Tyres in Radial construction are identified by the letter "R" in place of "-" (e.g. 24x7.50 R 13LT).

² Coefficient 'b' for the calculation of Dmax: 1.07.

³ Overall width may exceed this value up to +7 per cent.

⁴ **In case of Tyre size designations not included in this table (e.g. 37x14.50R17LT):**

(a) the first number (e.g. 37) represents the nominal overall diameter expressed by code

(b) the second number (e.g. 14.50) represents the nominal section width (S1) expressed by code (must end in .50),

(c) the third number (e.g. 17) represents the nominal rim diameter (d) expressed by code.

To convert dimensions expressed in code to mm multiply by 25.4 and round to the nearest mm.

The theoretical rim width code (A₁) is taken to equal to the nominal section width (S₁) expressed by code multiplied by the factor 0.8 rounded to the nearest 0.5 step.

The Outer diameter (D) is calculated as follows:

(a) Normal D (mm) = (overall diameter (expressed by code) – 0.48) x 25.4 rounded to the nearest mm.

(b) Snow D (mm) = (overall diameter (expressed by code) – 0.24) x 25.4 rounded to the nearest mm."

⁵ **Category of Use: Normal Service tyres are Highway tread and may have the "M+S" inscription on the tyre.**

⁶ **Category of Use: Snow Service tyres are Traction tread and will have at least one of the following inscriptions:**

Section 3.1.12 from this regulation.

Alpine symbol from UNECE Regulation 117.

"TRACTION" inscription from UNECE Regulation 117.