

BUREAU OF INDIAN STANDARDS

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Standard)

**DRAFT AMENDMENT NO. 2
TO
IS 15633: 2022
AUTOMOTIVE VEHICLES - PNEUMATIC TYRES FOR PASSENGER CAR VEHICLE-
DIAGONAL AND RADIAL PLY - SPECIFICATION
(First Revision)**

ICS 83.160.10

Automotive Tyres, Tubes and Rims Sectional Committee, TED
07

Last Date for Comments: **03/10/2024**

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TO
IS 15633: 2022 AUTOMOTIVE VEHICLES — PNEUMATIC TYRES FOR PASSENGER CAR
VEHICLES — DIAGONAL AND RADIAL PLY — SPECIFICATION
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[Page 1, clause **3.1.1** (see also Amendment No. 1)] — Substitute the following for the existing:

‘3.1.1 Type of Pneumatic Tyre — It means a category of pneumatic tyres which do not differ in such essential respects as:

- a) Manufacturers name and brand name;
- b) Tyre-size designation;
- c) Category of use:
 - 1) Normal — Normal road use tyres;
 - 2) Special — Special-use tyre, for example, tyre for mixed use (both on and off the road) at restricted speed;
 - 3) Snow tyre; and
 - 4) Temporary use spare tyre;
- d) Structure [diagonal (bias-ply), bias-belted, radial, run flat];
- e) Speed category;
- f) Load-capacity index or maximum load and ply rating; and
- g) Nominal cross-section — Dimension when fitted to a specified rim.’

(Page 5, clause 5.1 m) — Substitute the following for the existing:

m) REINFORCED / REINF / EXTRA LOAD / XL for reinforced tyres. Optionally the letters "HL" in front of the nominal section width in the case of Extra Load tyres.

(Page 9, clause 6.2.5.2 f) — Substitute the following for the existing:

f) Structure [diagonal or radial or bias belted or run flat];

(Page 33, Annex J, Sl. No. 9) - Substitute the following for the existing:

‘9. Structure: [diagonal (bias-ply), bias-belted, radial, run flat];’

[Page 19, Table 14, 55 series, row (xi), (see also Amendment No. 1)] — Substitute the following for the existing:

Sl No.	Tyre Size Designation	Rim Rec Alt	New Tyre-Inflated								
			Section Width, mm			Overall Diameter, mm			Load Index	Maximum Load kg	Cold I. P. ¹⁾ (Corresponding to Maximum Load) kPa
			Design Width	Minimum Width	Maximum Width	Design Diameter	Minimum Diameter	Maximum Diameter			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
xi)	215/55R18	7 J $\frac{1}{2}$ J	$\frac{226}{221}$	$\frac{217}{212}$	$\frac{235}{230}$	693	686	700	Std. 95 Reinf. 99	690 775	250 290

[Page 33, Annex J] — Substitute the following for the existing:

ANNEX J

(Clause 6.2.2)

INFORMATION TO BE SUBMITTED FOR TYPE APPROVAL OF TYRES

1. Manufacturer's name and address
2. Telephone No.
3. FAX. No.
4. E-mail address
5. Contact person
6. Tyre-size designation
7. Trade-name or mark
8. Category of use (normal/special/snow)
9. Structure: [diagonal (bias-ply), bias-belted, radial, run flat]
10. Whether the tyre is an EMT
11. Speed category
12. Load- index of the tyre/Maximum Load carrying capacity (kg)
13. Whether the tyre is to be used with or without an inner tube
14. Whether the tyre is normal or reinforced
15. Ply-rating number of tyres for (for code designated tyres)
16. Overall section width (mm)
17. Overall diameter (mm)
18. Rim on which tyre can be mounted
19. Measuring rim and test rim
20. Inflation pressure (bar)
 - 20.1 Inflation pressure corresponding to maximum load carrying capacity
 - 20.2 Test and measurement pressures
21. Factor X referred to in 3.31 in case of theoretical (imaginary) rim, if applicable
22. Maximum speed permitted by the tyre manufacturer and the load carrying capacity allowed for that maximum speed. Applicable only for tyres identified by means of letter code "V" within the size designation and suitable for speeds over 240 km/h or for tyres identified by means of letter code "Z" within the size designation and suitable for speeds over 270 km/h,

23. Intended for use on (type of vehicle)
24. If tyre size is not listed in Tables 7 to 12 and or tyre sizes with a different ply rating and/or load-inflation details other than those given in Table 7 to 12, reference to Standards Manuals of organizations like The European Tyre and Rim Technical Organisation (ETRTO), Indian Tyre Technical Advisory Committee (ITTAC), The Japan Automobile Tyre Manufacturers' Association (JATMA), The Tire and Rim Association, Inc. (T and RA-US);
25. If international standard is not available, applicant to submit a declaration from vehicle manufacturer (OEM) certifying application of such tyre rating
- 26 Numbers and height of tread wear indicator
- 27 Type of tread pattern (Lug or rib)
28. Drawing or photograph in triplicate identifying tyre tread pattern, side wall marking and relevant dimensions of inflated tyre mounted on the measuring rim

(TED 07)