

BUREAU OF INDIAN STANDARDS

Program of Work

TED 7 : Automotive Tyres, Tubes And Rims

Scope: a) Standardization of automotive tyres, tubes, rims and related. b) Co-ordination of work with ISO/TC 31 and its relevant subcommittees ISO/TC 31/SC 3, ISO/TC 31/SC 4, ISO/TC 31/SC 5, ISO/TC 31/SC 6, ISO/TC 31/SC 7, ISO/TC 31/SC 8, ISO/TC 31/SC 9 and ISO/TC 31/SC 10, c) Co-ordination of work with ISO/ TC 22 and its Sub-committee ISO/TC 22/SC 33 and ISO/TC 22/SC 38.

Liaison: **ISO TC-31 (P): Tyres, rims and valves ISO TC-31 SC-3 (P): Passenger car tyres and rims ISO TC-31 SC-4 (P): Truck and bus tyres and rims ISO TC-31 SC-5 (P): Agricultural tyres and rims ISO TC-31 SC-6 (O): Off-the-road tyres and rims ISO TC-31 SC-7 (P): Industrial tyres and rims ISO TC-31 SC-9 (P): Valves for tube and tubeless tyres**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10694 (Part 1) : 2009 <i>Reviewed In : 2017</i>	Automotive vehicles - Rims - General requirements: Part 1 nomenclature, designation, marking and measurement (First Revision)	March, 2017	1	Indigenous
2	IS 10694 (Part 2) : 2009 <i>Reviewed In : 2019</i>	Automotive vehicles - Rims - General requirements: Part 2 passenger car (Second Revision)	July, 2019	-	Indigenous
3	IS 10694 (Part 3) : 2009 <i>Reviewed In : 2019</i>	Automotive vehicles - Rims - General requirements: Part 3 commercial vehicle rims (Second Revision)	July, 2019	-	Indigenous
4	IS 10694 (Part 4) : 1983 <i>Reviewed In : 2019</i>	General requirements for rims for automotive vehicles: Part 4 scooter and scooter derivative rims	July, 2019	-	Indigenous
5	IS 10694 (Part 5) : 1987 <i>Reviewed In : 2019</i>	General requirements for rims for automotive vehicles: Part 5 moped, motorcycle and motorcycle derivative rims (First Revision)	July, 2019	-	Indigenous
6	IS 10694 (Part 6) : 2009 <i>Reviewed In : 2019</i>	Automotivevehicles - Rims - Generalrequirements: Part 6 rims for agricultural tractors,tillers and implements (Second Revision)	July, 2019	-	Indigenous
7	IS 10694 (Part 7) : 1983 <i>Reviewed In : 2023</i>	General requirements for rims for automotive vehicles: Part 7 industrial truck rims	April, 2023	-	Indigenous
8	IS 10694 (Part 8) : 2009 <i>Reviewed In : 2019</i>	Automotive vehicles - Rims - General requirements: Part 8 earthmoving machine rims (First Revision)	July, 2019	-	Indigenous
9	IS 10939 : 2023	DESIGNATION SYSTEM FOR		-	Indigenous

		TYRE TUBE VALVES FOR AUTOMOTIVE VEHICLES			
10	IS 11031 : 2023	RECOMMENDATIONS FOR STORAGE AND HANDLING OF INNER TUBES TUBE VALVES AND FLAPS FOR USE WITH PNEUMATIC TYRES FOR AUTOMOTIVE VEHICLES		-	Indigenous
11	IS 11178 : 2023	RECOMMENDATIONS FOR STORAGE AND HANDLING OF PNEUMATIC TYRES FOR AUTOMOTIVE VEHICLES		-	Indigenous
12	IS 12098 : 1987 Reviewed In : 2019	Specification for rim wheels for pneumatic tyres for animal drawn vehicles	July, 2019	-	Indigenous
13	IS 12750 : 1989 ISO 8644 and IS 8645 Reviewed In : 2017	Automotive vehicles - Motorcycles and mopeds - Light alloy wheels methods of test and performance requirements	March, 2017	-	Indigenous
14	IS 13098 : 2012 Reviewed In : 2017	Automotive vehicles - Tubes for pneumatic tyres - Specification (First Revision)	May, 2017	-	Indigenous
15	IS 13154 : 2015 Reviewed In : 2020	Automotive vehicles - Tyres for agricultural vehicles and their trailers - Specification (First Revision)	September, 2020	-	Indigenous
16	IS 13196 : 1991 Reviewed In : 2017	Automotive vehicles - Light alloy wheels for motorcycles - Specification	March, 2017	-	Indigenous
17	IS 13243 : 2014 Reviewed In : 2019	Automotive vehicles - Commercial vehicles - Attachments on hubs for wheels - Dimensions (First Revision)	January, 2019	-	Indigenous
18	IS 13444 : 1992 Reviewed In : 2018	Animal drawn vehicles - Pneumatic tyres - Specification	January, 2018	-	Indigenous
19	IS 13531 : 2005 Reviewed In : 2019	Automotive tyres - Tyre - Retreading materials for mould cure process (First Revision)	July, 2019	-	Indigenous
20	IS 14771 : 2018 ISO 9112 : 2008 Reviewed In : 2023	Truck and bus tyres - Methods of measuring tyre rolling circumference - Loaded new tyres (First Revision)	April, 2023	-	Indigenous
21	IS/ISO 14960-2 : 2014 ISO 14960-2:2014 62281	TUBELESS TYRES VALVES AND COMPONENTS PART 2: CLAMP-IN TUBELESS TYRE VALVE-TEST METHOD		-	Identical under dual numbering
22	IS/ISO 14960-2 : 2014 ISO 14960-2 : 2014 Reviewed In : 2019 ISO 14960 : Part 2 : 2014	Tubeless tyres - Valves and components: Part 2 clamp - In tubeless tyre valve - Test method	July, 2019	-	Identical under single numbering
23	IS 15523 : 2018 Reviewed In : 2023	Automotive tyres - Precured patches for repairing cross ply/ radial tyres and inner tubes - Specification (First Revision)	December, 2023	-	Indigenous
24	IS 15524 : 2018 Reviewed In : 2023	Automotive vehicles - Retreading of tyres by the pre - Cured process - Specification (First Revision)	December, 2023	-	Indigenous

25	IS 15563 : 2005 ISO 17269 Reviewed In : 2019	Passenger car tyres - Methods for measuring rolling circumference - Loaded new tyres	July, 2019	-	Indigenous
26	IS 15627 : 2022	Automotive Vehicles - Pneumatic Tyres for Two and Three - Wheeled Motor Vehicles - Specification First Revision		-	Indigenous
27	IS 15627 : 2022	Automotive Vehicles - Pneumatic Tyres for Two and Three - Wheeled Motor Vehicles - Specification First Revision		-	Indigenous
28	IS 15633 : 2022	Automotive vehicles - pneumatic tyres for passenger car vehicles - diagonal and radial ply		1	Indigenous
29	IS 15636 : 2022	Automotive vehicles - Pneumatic tyres for commercial vehicles - Diagonal and radial ply		-	Indigenous
30	IS 15645 : 2014 SO 7141 : 2005 Reviewed In : 2019	Road vehicles - Light alloy wheels - Impact test (First? Revision)	December, 2019	-	Indigenous
31	IS 15704 : 2018 Reviewed In : 2023	Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification (First Revision)	December, 2023	-	Indigenous
32	IS 15709 : 2018 Reviewed In : 2023	Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification (First Revision)	December, 2023	-	Indigenous
33	IS 15724 : 2006 Reviewed In : 2017	Automotive tyres - Retreading procedure - Hot process	March, 2017	-	Indigenous
34	IS 15725 : 2006 Reviewed In : 2023	Automotive tyres - Tyre curing envelop - Cold process	December, 2023	-	Indigenous
35	IS 15731 : 2018 Reviewed In : 2023	Automotive tyres - Selection and inspection of retreadable tyre casing (First Revision)	December, 2023	-	Indigenous
36	IS 15753 : 2007 Reviewed In : 2023	Automotive tyres - Tyre curing bladder - Cold process	December, 2023	-	Indigenous
37	IS 15780 : 2007 Reviewed In : 2023	Automotive tyres - Repair of tyres and tubes used on motor vehicles	December, 2023	-	Indigenous
38	IS 15794 : 2007 Reviewed In : 2018	Road hazard impact test for wheel and tyre assemblies (Passenger Cars, Light Trucks And Multipurpose Vehicles)	January, 2018	-	Indigenous
39	IS 15945 : 2011 Reviewed In : 2023	Tubeless tyres - Valves and components - Test methods	April, 2023	-	Indigenous
40	IS 16192 (Part 1) : 2014 Reviewed In : 2019	Automotive vehicles - Wheel rims for two and three wheeled vehicles: Part 1 light alloy wheel rims - Method of tests and requirements	June, 2019	2	Indigenous
41	IS 16192 (Part 2) : 2014 Reviewed In : 2019	Automotive vehicles - Wheel rims for two and three wheeled vehicles: Part 2 sheet metal wheel rims - Method of tests and requirements	June, 2019	1	Indigenous
42	IS 16192 (Part 3) : 2018 Reviewed In : 2024	Automotive vehicles - Wheel rims for two and three wheeled vehicles: Part 3 Spoke Wheel Rims ---Method of tests and requirements	March, 2024	1	Indigenous
43	IS/ISO 16392 : 2017 ISO 16392:2017	TYRES ELECTRICAL RESISTANCE TEST METHOD		-	Identical under single numbering

	ISO 16392:2017	FOR MEASURING ELECTRICAL RESISTANCE OF TYRES ON A TEST RIG			
44	IS/ISO 18164 : 2005 ISO 18164 Reviewed In : 2019	Passenger car, truck, bus and motorcycle tyres - Methods of measuring rolling resistance	July, 2019	-	Indigenous
45	IS 18258 : 2023	Evaluation of Tyres with regard to Rolling Sound Emission andor to adhesion on wet surface andor to Rolling Resistanace		-	Indigenous
46	IS/ISO 18885-1 : 2017 ISO 18885-1:2017 ISO 18885-1:2017	TPMS SNAP-IN VALVES PART 1: IDENTIFICATION		-	Identical under single numbering
47	IS/ISO 18885-2 : 2018 ISO 18885-2:2018 ISO 18885-2:2018	TPMS SNAP-IN VALVES PART 2: VALVE ENVIRONMENT		-	Identical under single numbering
48	IS/ISO 18885-3 : 2021 ISO 18885-3:2021 ISO 18885-3:2021	TPMS SNAP-IN VALVES PART 3: PERFORMANCES		-	Identical under single numbering
49	IS/ISO 20562 : 2014 ISO 20562 : 2014 Reviewed In : 2017	Tyre valves - Iso core chambers no. 1, no. 2, no. 3 and no. 4 (First Revision)	July, 2017	-	Indigenous
50	IS/ISO 28580 : 2009 ISO 28580 : 2009 Reviewed In : 2017	Passenger car, truck and bus tyres - Methods of measuring rolling resistance - Single point test and correlation of measurement results		-	Indigenous
51	IS/ISO 4570 : 2002 4570 : 2002 Reviewed In : 2019	Tyre valve threads	July, 2019	-	Indigenous
52	IS 9081 : 2017	Automotive vehicles - Valves and valve accessories for pneumatic tyres - Specification (Fifth Revision)	-	1	Indigenous
53	IS 9168 : 2018	Automotive vehicle - All rubber flaps for pneumatic tyres - Specification (Second Revision)	-	1	Indigenous
54	IS 9436 : 2018 Reviewed In : 2024	Performance requirements and methods of test for wheels for passenger cars, quadricycles and mini goods carriers (First Revision)	March, 2024	1	Indigenous
55	IS 9438 : 2018 Reviewed In : 2024	Performance requirements and methods of tests for wheels/ rims for trucks and buses (First Revision)	March, 2024	1	Indigenous
56	IS 9453 : 2014 Reviewed In : 2019	Valve caps for tyre tube valves for automotive vehicles - Specification (Second Revision)	January, 2019	-	Indigenous
57	IS 9643 : 1980 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for non - Skid type chain assembly for tyres - Single type	March, 2024	-	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	TED 7 (24492)	Automotive Vehicles - Wheel Rims for Two and Three Wheeled Vehicles- Part 1 Light Alloy Wheel Rims - Method of Tests and Requirements
2	TED 7 (24494)	Automotive Vehicles - Pneumatic Tyres for Passenger Car Vehicles- Diagonal and Radial Ply - Specification
3	TED 7 (25826) Revision of: IS/ISO 14960:2014	TUBELESS TYRES VALVES AND COMPONENTS PART 2 CLAMP-IN TUBELESS TYRE VALVE-TEST METHOD
4	TED 7 (26014)	Automotive tyres - Precured patches for repairing cross ply radial tyres and inner tubes - Specification First Revision Amendment - 1
5	TED 7 (26015)	Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification First Revision Amendment - 1
6	TED 7 (26017)	Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification First Revision Amendment - 1
7	TED 7 (26018)	Automotive tyres - Tyre curing bladder - Cold process Amendment - 1
8	TED 7 (26019)	Automotive tyres - Selection and inspection of retreadable tyre casing First Revision Amendment - 1

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	TED 7 (19704)	Passenger car truck and bus tyre rolling resistance measurement method Single point test and correlation of measurement results
2	TED 7 (21145)	AUTOMOTIVE VEHICLES PNEUMATIC TYRES FOR COMMERCIAL VEHICLES DIAGONAL AND RADIAL PLY SPECIFICATION Second Revision - Amendment no 1
3	TED 7 (21198)	AUTOMOTIVE VEHICLES RIMS GENERAL REQUIREMENTS PART 1 NOMENCLATURE DESIGNATION MARKING AND MEASUREMENT
4	TED 7 (24717)	Evaluation of Tyres with regard to Rolling Sound Emission and/or to adhesion on wet surface and/or to Rolling Resistance Amendment - 1
5	TED 7 (25810)	Automotive vehicles - Tyres for agricultural vehicles and their trailers - Specification

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	TED 7 (21201)	Automotive tyres - Retreading procedure - Hot process Amendment - 1

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	TED 7 (19611) Revision of: IS 9081:2017	AUTOMOTIVE VEHICLES VALVES AND VALVE ACCESSORIES FOR PNEUMATIC TYRES- SPECIFICATION
2	TED 7 (19699) Revision of: IS 13098:2012	AUTOMOTIVE VEHICLES TUBES FOR PNEUMATIC TYRES SPECIFICATION
3	TED 7 (21146)	Automotive Vehicles Pneumatic Tyres for Two and Three-Wheeled Motor Vehicles Quadricycles and E-Rickshaw E-Carts Specification
4	TED 7 (21265) Revision of: IS 13444:1992	ANIMAL DRAWN VEHICLES PNEUMATIC TYRES SPECIFICATION

5	TED 7 (24491)	AUTOMOTIVE VEHICLES WHEEL RIMS FOR TWO AND THREE WHEELED VEHICLES PART 3 SPOKE WHEEL RIMS METHODS OF TESTS AND REQUIREMENTS Amendment no 2
6	TED 7 (24493)	Automotive Vehicles - Wheel Rims for Two and Three Wheeled Vehicles- Part 2 Sheet Metal Wheel Rims - Method of Tests and Requirement
7	TED 7 (24571)	Performance requirements and methods of test for wheels for passenger cars quadricycles and mini goods carriers First Revision
8	TED 7 (24612)	PERFORMANCE REQUIREMENTS AND METHODS OF TESTS FOR WHEELS RIMS FOR TRUCKS AND BUSES

Total Published Standards:54 Total Standards Under development:22

Aspect Wise Report

Product : 31
Code of Practices : 1
Methods of Test : 17
Terminology : 0
Dimensions : 2
System Standard : 0
Safety Standard : 1
Others : 3
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10914 (Part 1) : 1991	Automotive Vehicles - Pneumatic Tyres - Part 1 Terms Definitions and Nomenclature
2	IS 10914 (Part 2) : 1992	Automotive Vehicles - Pneumatic Tyres - Part 2 Truck Bus and Light Truck Tyres - Diagonal Ply
3	IS 10914 (Part 3) : 1991	Automotive Vehicles - Pneumatic Tyres - Diagonal Ply - Part 3 Passenger Car Tyres
4	IS 10914 (Part 4) : 1992	Automotive Vehicles-pneumatic Tyres - Part 4 Scooter and Scooter Derivatives - Diagonal Ply
5	IS 10914 (Part 5) : 1995	Automotive Vehicles - Pneumatic Tyres - Part 5 Method of Test for Diagonal and Radial Ply Tyres
6	IS 11157 : 1984 ISO 5995-1	Pneumatic tyres for mopeds - Diagonal ply
7	IS 11542 (Part 1) : 1985 ISO 6762 Reviewed In : 2007	Dimensions for tyre tube valve core chamber Part 1 Core chamber No 1 normal bore
8	IS 11542 (Part 2) : 1985 ISO 7442 Reviewed In : 2007	Dimensions for tyre tube valve core chamber Part 2 Core chamber No 2 large bore
9	IS 12151 : 1987	Motorcycles Tyres Diagonal Ply
10	IS 12441 (Part 1) : 1995	Automotive Vehicles - Pneumatic Tyres - Part 1 Passenger Car Tyres - Radial Ply
11	IS 13530 : 1992	Automotive tyres - Retreading materials - Mould cure - General requirements
12	IS 13532 : 1992	Automotive Tyres - Cushion Compound for Retreading - Mould Cure
13	IS 14777 : 2000 Reviewed In : 2010	Trucks and Bus Tyres - Methods Measuring Rolling Resistance
14	IS 8410 : 1977	Rim For Mopeds

15	IS 9438 : 1980 Reviewed In : 2014 ISO 10122:2014	Performance requirements and methods of tests for wheels rims for trucks
16	IS 9449 (Part 1) : 1980 ISO 4570 : Part 1 Reviewed In : 2009	Dimensions for Tyre Valve Threads - Part I Threads 5V1 5V2 6V1 and 8 V1
17	IS 9449 (Part 2) : 1985 ISO 4570 : Part 2 Reviewed In : 2007	Dimensions for Tyre Valve Threads - Part 2 Threads 9V1 10V2 and 12V1
18	IS 9449 (Part 3) : 1985 ISO 4570 : Part 3 Reviewed In : 2007	Dimensions for Tyre Valve Threads - Part 3 Threads 10V1 15V1 17V1 and 20V1

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10694 (Part 1) : 2009 Reviewed In : 2017	Automotive vehicles - Rims - General requirements Part 1 nomenclature designation marking and measurement First Revision
2	IS 10694 (Part 2) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements Part 2 passenger car Second Revision
3	IS 10694 (Part 3) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements Part 3 commercial vehicle rims Second Revision
4	IS 10694 (Part 4) : 1983 Reviewed In : 2019	General requirements for rims for automotive vehicles Part 4 scooter and scooter derivative rims
5	IS 10694 (Part 5) : 1987 Reviewed In : 2019	General requirements for rims for automotive vehicles Part 5 moped motorcycle and motorcycle derivative rims First Revision
6	IS 10694 (Part 6) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements Part 6 rims for agricultural tractors tillers and implements Second Revision
7	IS 10694 (Part 7) : 1983 Reviewed In : 2023	General requirements for rims for automotive vehicles Part 7 industrial truck rims
8	IS 10694 (Part 8) : 2009 Reviewed In : 2019	Automotive vehicles - Rims - General requirements Part 8 earthmoving machine rims First Revision
9	IS 12098 : 1987 Reviewed In : 2019	Specification for rim wheels for pneumatic tyres for animal drawn vehicles
10	IS 13098 : 2012 Reviewed In : 2017	Automotive vehicles - Tubes for pneumatic tyres - Specification First Revision
11	IS 13154 : 2015 Reviewed In : 2020	Automotive vehicles - Tyres for agricultural vehicles and their trailers - Specification First Revision
12	IS 13196 : 1991 Reviewed In : 2017	Automotive vehicles - Light alloy wheels for motorcycles - Specification
13	IS 13444 : 1992 Reviewed In : 2018	Animal drawn vehicles - Pneumatic tyres - Specification
14	IS 13531 : 2005 Reviewed In : 2019	Automotive tyres - Tyre - Retreading materials for mould cure process First Revision
15	IS 15523 : 2018 Reviewed In : 2023	Automotive tyres - Precured patches for repairing cross ply radial tyres and inner tubes - Specification First Revision
16	IS 15524 : 2018 Reviewed In : 2023	Automotive vehicles - Retreading of tyres by the pre - Cured process - Specification First Revision
17	IS 15627 : 2022	Automotive Vehicles - Pneumatic Tyres for Two and Three - Wheeled Motor Vehicles - Specification First Revision
18	IS 15633 : 2022	Automotive vehicles - pneumatic tyres for passenger car vehicles - diagonal and radial ply
19	IS 15636 : 2022	Automotive vehicles - Pneumatic tyres for commercial vehicles - Diagonal and radial ply
20	IS 15704 : 2018	Automotive vehicles - Retreaded pneumatic tyres for commercial vehicles - Specification First

		Revision
	Reviewed In : 2023	
21	IS 15709 : 2018	Automotive vehicles - Retreaded pneumatic tyres for passenger car - Specification First Revision
	Reviewed In : 2023	
22	IS 16192 (Part 2) : 2014	Automotive vehicles - Wheel rims for two and three wheeled vehicles Part 2 sheet metal wheel rims - Method of tests and requirements
	Reviewed In : 2019	
23	IS 16192 (Part 3) : 2018	Automotive vehicles - Wheel rims for two and three wheeled vehicles Part 3 Spoke Wheel Rims ---Method of tests and requirements
	Reviewed In : 2024	
24	IS/ISO 18885-1 : 2017 ISO 18885-1:2017	TPMS SNAP-IN VALVES PART 1 IDENTIFICATION
25	IS/ISO 18885-2 : 2018 ISO 18885-2:2018	TPMS SNAP-IN VALVES PART 2 VALVE ENVIRONMENT
26	IS/ISO 20562 : 2014 ISO 20562 : 2014 Reviewed In : 2017	Tyre valves - Iso core chambers no 1 no 2 no 3 and no 4 First Revision
27	IS 9081 : 2017	Automotive vehicles - Valves and valve accessories for pneumatic tyres - Specification Fifth Revision
28	IS 9168 : 2018	Automotive vehicle - All rubber flaps for pneumatic tyres - Specification Second Revision
29	IS 9436 : 2018 Reviewed In : 2024	Performance requirements and methods of test for wheels for passenger cars quadricycles and mini goods carriers First Revision
30	IS 9453 : 2014 Reviewed In : 2019	Valve caps for tyre tube valves for automotive vehicles - Specification Second Revision
31	IS 9643 : 1980 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for non - Skid type chain assembly for tyres - Single type