

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### TED 4 : Automotive Braking Systems, Vehicle Testing, Steering and performance Evaluation

Scope: a)Standardization of automotive braking systems, steering systems and their components, testing of vehicles as a whole for performance evaluation and road worthiness b)Co-ordination of work with ISO/TC 22 and its Sub-committees ISO/TC 22/SC 33, TC 22/SC 38 and ISO/TC 22/SC 39.

Liaison:

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10278 : 2018 <span style="color: green;">Reviewed In : 2023</span>	Motorcycles - Measurement of maximum speed (Third Revision)	January, 2023	-	Indigenous
2	IS 10399 : 2022	AUTOMOTIVE VEHICLES- NOISE EMITTED BY STATIONARY VEHICLES- METHOD OF MEASUREMENT		-	Indigenous
3	IS 10407 : 1998 <span style="color: green;">Reviewed In : 2018</span>	Automotive vehicles - Two wheelers - Acceleration performance - Method of evaluation (Second Revision)	June, 2018	-	Indigenous
4	IS 10881 : 1994 <span style="color: green;">Reviewed In : 2019</span>	Automotive vehicles - Mopeds, scooters and motorcycles method of evaluation of fuel consumption (First Revision)	July, 2019	-	Indigenous
5	IS 11029 : 1984 <span style="color: green;">Reviewed In : 2019</span>	Specification for steering ball races for mopeds	July, 2019	-	Indigenous
6	IS 11422 : 2001 ISO 6726 <span style="color: green;">Reviewed In : 2022</span>	Terms and definitions of weights of two wheeled motor vehicles (First Revision)	August, 2022	-	Indigenous
7	IS 11432 : 2002 ISO 6725 <span style="color: green;">Reviewed In : 2022</span>	Terms and definitions of dimensions of two wheeled motor vehicles (First Revision)	August, 2022	-	Indigenous
8	IS 11739 : 1986 <span style="color: green;">Reviewed In : 2021</span>	Method of recording dust ingress in automotive vehicles	March, 2021	-	Indigenous
9	IS 11739 : 2024	METHOD OF RECORDING DUST INGRESS IN AUTOMOTIVE VEHICLES		-	Indigenous
10	IS 11825 : 2023	Automotive Vehicles $\bar{v}_2$ Method of Weighment (First Revision)		-	Indigenous
11	IS 11825 : 2023	Automotive Vehicles $\bar{v}_2$ Method of Weighment (First Revision)		-	Indigenous
12	IS 11825 : 1986 <span style="color: green;">Reviewed In : 2021</span>	Method of weighment of automotive vehicles	March, 2021	-	Indigenous
13	IS 11827 : 2008	Automotive vehicles - Calibration	November, 2023	3	Indigenous

	Reviewed In : 2023	of speedometer - Method of evaluation (Second Revision)			
14	IS 11839 : 2024	Procedure for Splash Proof Testing of Automotive Vehicles (First Revision)		-	Indigenous
15	IS 11849 : 1986 Reviewed In : 2017	Method of determination of centre of gravity of automotive vehicles	March, 2017	1	Indigenous
16	IS 11850 : 1998 Reviewed In : 2021	Automotive vehicles - Odometer systems - Method of evaluation (First Revision)	March, 2021	1	Indigenous
17	IS 11851 : 1986 Reviewed In : 2017	Method of evaluation of acceleration of automotive vehicle	March, 2017	1	Indigenous
18	IS 11852 : 2019 Reviewed In : 2024	Automotive vehicles - Uniform provisions concerning the approval of vehicles of categories m2, m3, N and t with regard to braking (Third Revision)	May, 2024	2	Indigenous
19	IS 11865 : 2006 Reviewed In : 2022	Automotive vehicles - Method of conducting waterproofing test (First Revision)	August, 2022	-	Indigenous
20	IS 11877 : 2019 Reviewed In : 2024	Automotive Vehicles — Maximum Speed of Automotive Vehicles — Method of Evaluation ( First Revision )	May, 2024	-	Indigenous
21	IS 11921 : 2020	Automotive Vehicles — Method of Evaluation of Constant Speed Fuel Consumption ( Second Revision )	-	-	Indigenous
22	IS 11948 : 2010 Reviewed In : 2022	Automotive vehicles - Steering effort - Method of evaluation (Second Revision)	September, 2022	2	Indigenous
23	IS 12105 : 2014 Reviewed In : 2019	Methods of test for valves of automotive air brake systems	July, 2019	-	Indigenous
24	IS 12159 : 2018 Reviewed In : 2023	Method of evaluation of accuracy of parameters of steering geometry of automotive vehicles (Second Revision)	January, 2023	-	Indigenous
25	IS/ISO 12161 : 2006 ISO 12161 : 2006 Reviewed In : 2021 ISO 12161: 2006	Road Vehicles - Endurance Braking Systems of Motor Vehicles and Towed Vehicles - Test Procedures	March, 2021	-	Identical under single numbering
26	IS 12218 : 2018 Reviewed In : 2024	Method of measurement of approach, departure and ramp angles of automotive vehicles (First Revision)	May, 2024	-	Indigenous
27	IS 12222 : 2011 Reviewed In : 2022	Automotive vehicles - Turning circle and maneuverability requirements (First Revision)	September, 2022	2	Indigenous
28	IS 12695 : 1989 Reviewed In : 2019	Automotive vehicles -Three wheeled vehicles - Determination of centre of gravity	July, 2019	-	Indigenous
29	IS 12793 : 2012 ISO 9130 : 2005 Reviewed In : 2021	Motorcycles - Measurement method for location of centre of gravity (First Revision)	March, 2021	-	Indigenous
30	IS 12821 : 2017 Reviewed In : 2022	Automotive vehicles - Braking system, tube connections - Dimensions (First Revision)	August, 2022	-	Indigenous
31	IS 12831 : 1989 Reviewed In : 2021	Automotive vehicles - Braking systems - Banjo bolt connections dimensions	March, 2021	-	Indigenous

32	IS 12832 : 2010 Reviewed In : 2021	Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision)	March, 2021	1	Indigenous
33	IS 12851 : 2023	AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS		-	Indigenous
34	IS 12884 : 2015 Reviewed In : 2020	Automotive vehicles - Braking systems, rubber boots for brake wheel cylinders - Performance requirements (First Revision)	January, 2020	-	Indigenous
35	IS 13207 : 1991 Reviewed In : 2021	Automotive vehicles - Hydraulic braking systems - Wheel cylinder performance requirements	March, 2021	1	Indigenous
36	IS 13224 : 1991 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Automotive vehicles - Hydraulic braking systems - Master cylinder performance requirements	May, 2024	1	Indigenous
37	IS 13225 : 1992 Reviewed In : 2017	Automotive vehicles - hydraulic braking systems - Rubber cups - Specification	March, 2017	3	Indigenous
38	IS 13249 : 2014 Reviewed In : 2024	Automotive vehicles - Braking systems - Rubber seal for disc brake cylinder - Performance requirements (First Revision)	May, 2024	-	Indigenous
39	IS 13363 : 2017	Automotive vehicles - Air brake systems - Performance requirements for drain valves (First Revision)	-	-	Indigenous
40	IS 13453 : 1994 Reviewed In : 2019	Automotive vehicles - Braking systems - Method of test on brake dynamometer for two and three wheelers (First Revision)	July, 2019	1	Indigenous
41	IS 13476 : 2006 Reviewed In : 2022	Automotive vehicles - Mechanical steering gear - Methods of test (First Revision)	September, 2022	-	Indigenous
42	IS 13492 : 1992 Reviewed In : 2019	Automotive vehicles - Two wheelers - Method of evaluation of brake pedal strength requirements	July, 2019	1	Indigenous
43	IS 13603 : 2014 Reviewed In : 2019	Automotive vehicles - Air brake systems - Performance requirements for brake chamber (First Revision)	January, 2019	-	Indigenous
44	IS 13604 : 2014 Reviewed In : 2019	Automotive vehicles - Air brake systems - Performance requirements for dual brake valve (First Revision)	January, 2019	-	Indigenous
45	IS 13988 : 2014 Reviewed In : 2019	Automotive vehicles - Starting gradeability - Method of measurement and requirement (Second Revision)	September, 2019	-	Indigenous
46	IS 14269 : 2024	AUTOMOTIVE VEHICLES INTEGRAL POWER STEERING GEAR METHOD OF TEST (FIRST REVISION)		-	Indigenous
47	IS 14283 : 1995 Reviewed In : 2021	Automotive vehicles - Accelerator control systems - Safety requirements	March, 2021	-	Indigenous

48	IS 14382 : 2014 Reviewed In : 2019	Automotive vehicles - Speed limitation devices - Specification (First Revision)	September, 2019	-	Indigenous
49	IS 14557 : 1998 Reviewed In : 2021	Automotive vehicles - Cooling performance - Method of measurement	March, 2021	1	Indigenous
50	IS 14610 : 1999 Reviewed In : 2018	Automotive vehicles - Fuel consumption on chassis dynamometer - Method of measurement	June, 2018	-	Indigenous
51	IS 14664 : 2010 Reviewed In : 2021	Automotive vehicles - Performance requirements and testing procedure for braking system of two and three wheeled motor vehicles (First Revision)	March, 2021	5	Indigenous
52	IS 14785 : 2000 Reviewed In : 2021	Automotive vehicles - - Determination of road - Load constants by coast down test method	March, 2021	-	Indigenous
53	IS 15702 : 2006 Reviewed In : 2022	Automotive vehicles - Air brake hose - Specification	August, 2022	-	Indigenous
54	IS 15708 : 2006 ISO 6312 Reviewed In : 2022	Road vehicles - Brake linings - Shear test procedure for disc brake pad and drum brake shoe assemblies	December, 2022	-	Indigenous
55	IS 15783 : 2008 Reviewed In : 2023	Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification	November, 2023	-	Indigenous
56	IS 15986 : 2015 Reviewed In : 2020	Automotive vehicles - Uniform provisions concerning the approval of vehicles of categories m1 and n1 with regard to braking	April, 2020	1	Indigenous
57	IS 16137 (Part 1) : 2014 Reviewed In : 2019	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces: Part 1 srtt method	January, 2019	-	Indigenous
58	IS 16137 (Part 2) : 2014 Reviewed In : 2019	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces	January, 2019	-	Indigenous
59	IS 17128 (Part 1) : 2019 Reviewed In : 2024	Automotive vehicles ? vehicle dynamics test methods: Part 1 general test conditions	May, 2024	-	Indigenous
60	IS 17128 (Part 2) : 2019 Reviewed In : 2024	Automotive Vehicles " Vehicle Dynamics Test Methods Part 2 Steady-State Test Procedure for Vehicle Stability and Controllability " Open-Loop and Closed Loop Test	January, 2024	-	Indigenous
61	IS 17128 (Part 3) : 2021	AUTOMOTIVE VEHICLES- VEHICLE DYNAMICS MEASUREMENTS TEST PROCEDURE PART-3: TRANSIENT RESPONSE TEST PROCEDURE OPEN LOOP AND CLOSED LOOP TEST		-	Indigenous
62	IS 17132 : 2019	Guideline Specifications for Replacement Brake Lining Assemblies and Drum Brake		1	Indigenous

		Linings for Power-Driven Vehicles and Their Trailers			
63	IS 17871 : 2022	AUTOMOTIVE VEHICLE NOISE EMITTED BY STATIONARY VEHICLES METHOD OF MEASUREMENT NON-ORIGINAL REPLACEMENT EXHAUST SILENCING SYSTEMS RESSESS FOR TWO AND THREE WHEELED VEHICLES		-	Indigenous
64	IS 2742 (Part 1) : 1994 Reviewed In : 2019	Automotive vehicles - Brake linings (Non - Rubberized): Part 1 specification (First Revision)	July, 2019	-	Indigenous
65	IS 2742 (Part 2) : 1999 Reviewed In : 2019	Automotive vehicles - Brake linings - Rubberised: Part 2 specification	July, 2019	-	Indigenous
66	IS 2742 (Part 3) : 1994 Reviewed In : 2019	Automotive vehicles - brake linings: Part 3 methods of test	July, 2019	1	Indigenous
67	IS 2742 (Part 4) : 1994 Reviewed In : 2019	Automotive vehicles - Brake linings: Part 4 coefficient of friction - method of test	July, 2019	1	Indigenous
68	IS 2742 (Part 5) : 1994 Reviewed In : 2019	Automotive vehicles - - Brakelinings: Part 5 internal shear strength - Method of test	July, 2019	-	Indigenous
69	IS 2742 (Part 6) : 2018  ISO 6310	Automotive vehicles - Brake linings: Part 6 compressive strain test methods		-	Modified/Technically Equivalent
70	IS 2742 (Part 7) : 2018	Automotive vehicles - Brake linings: Part 7 shear test procedure for disc brake pad and drum brake shoe assemblies		-	Indigenous
71	IS 3028 (Part 1) : 2018 Reviewed In : 2023	Automotive vehicles - Noise emitted by moving vehicles - Specification and method of measurement: Part 1 L 2 category	November, 2023	1	Indigenous
72	IS 3028 (Part 2) : 2023	AUTOMOTIVE VEHICLES NOISE EMITTED BY MOVING VEHICLES SPECIFICATION AND METHOD OF MEASUREMENT PART 2 : OTHER THAN L2 AND L5 CATEGORY		1	Indigenous
73	IS 3028 (Part 3) : 2018 Reviewed In : 2023	Automotive vehicles - Noise emitted by moving vehicles - Specification and method of measurement: Part 3 L 5 category	November, 2023	1	Indigenous
74	IS 7065 : 1973 Reviewed In : 2021	Specification for steering wheels	March, 2021	1	Indigenous
75	IS 7079 : 2008 Reviewed In : 2024	Automotive vehicles - Brake hose assemblies for hydraulic braking systems used with non - Petroleum base brake fluid specification (Third Revision)	May, 2024	2	Indigenous
76	IS 9211 : 2003 Reviewed In : 2024	Terms and definitions of weights of road vehicles other than 2 and 3 wheelers (Second Revision)	May, 2024	1	Indigenous

77	IS 9435 : 2004 ISO 612 (E) Reviewed In : 2019 ISO 612 (E)	Terms and Definitions Relating to Dimensions of Road Vehicles Other than 2 and 3 Wheelers	July, 2019	1	Identical under dual numbering
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### 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 4 (25916)	AUTOMOTIVE VEHICLES VEHICLE DYNAMICS TEST METHODS PART 4 RIDE COMFORT MEASUREMENTS
2	TED 4 (25917)	AUTOMOTIVE VEHICLES-VEHICLE DYNAMICS TEST METHODS PART 5 SUBJECTIVE EVALUATION VEHICLE RIDE HANDLING STEERING

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	TED 4 (24035)	AUTOMOTIVE VEHICLES DETERMINATION OF ROAD LOAD CONSTANTS BY COAST DOWN TEST METHOD First Revision
2	TED 4 (24250)	Automotive vehicles - Braking systems - Method of test on brake dynamometer for two and three wheelers First Revision Amendment - 2
3	TED 4 (24251)	Automotive vehicles - Performance requirements and testing procedure for braking system of two and three wheeled motor vehicles First Revision Amendment - 6
4	TED 4 (25616)	Specifications for Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and Their Trailers
5	TED 4 (25687)	Automotive vehicles - Methods of measurement of braking coefficient of road surfaces Part 1 SRTT method
6	TED 4 (25689)	Automotive Vehicles Methods of Measurement of Braking Coefficient of Road Surfaces Part 2 Pendulum Method
7	TED 4 (25693)	AUTOMOTIVE VEHICLES BRAKE LININGS PART 7 SHEAR TEST PROCEDURE FORDISC BRAKE PAD AND DRUM BRAKESHOE ASSEMBLIES

#### Finalized Draft Indian Standard

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

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	TED 4 (20101)	Automotive vehicles - Uniform provisions concerning the approval of vehicles of categories M1 and N1 with regard to braking Amendment - 2
2	TED 4 (20200) Revision of: IS 11849:1986	METHOD OF DETERMINATION OF CENTRE OF GRAVITY OF AUTOMOTIVE VEHICLES First Revision
3	TED 4 (20385) Revision of: IS 11851:1986	METHOD OF EVALUATION OF ACCELERATION OF AUTOMOTIVE VEHICLES

4	TED 4 (20394) Revision of: IS 11850:1998	AUTOMOTIVE VEHICLES - ODOMETER SYSTEMS - METHOD OF EVALUATION
5	TED 4 (22750) Revision of: IS 13225:1992	Automotive Vehicles Hydraulic Braking Systems Rubber Cups Specification
6	TED 4 (22782) Revision of: IS 13207:1991	AUTOMOTIVE VEHICLES - HYDRAULIC BRAKING SYSTEMS - WHEEL CYLINDER PERFORMANCE REQUIREMENTS
7	TED 4 (22789) Revision of: IS 14283:1995	AUTOMOTIVE VEHICLES - ACCELERATOR CONTROL SYSTEMS - SAFETY REQUIREMENTS
8	TED 4 (22790) Revision of: IS 14557:1998	AUTOMOTIVE VEHICLES - COOLING PERFORMANCE -METHOD OF MEASUREMENT FIRST REVISION
9	TED 4 (22791) Revision of: IS 12831:1989	Automotive Vehicles Braking Systems Banjo Bolt Connections Dimensions First Revision
10	TED 4 (24252)	Automotive vehicles - Brake linings Non - Rubberized Part 1 specification Amendment - 1
11	TED 4 (24253)	Automotive vehicles - Brake linings - Rubberised Part 2 specification Amendment - 1
12	TED 4 (24254)	Automotive vehicles - brake linings Part 3 methods of test Amendment - 1
13	TED 4 (24255)	Automotive vehicles - Brake linings Part 4 coefficient of friction - Method of test Amendment - 1
14	TED 4 (24256)	Automotivevehicles - - Brakelinings Part 5 internal shear strength - Method of test Amendment - 1
15	TED 4 (24257)	Automotive vehicles - Brake linings Part 7 shear test procedure for disc brake pad and drum brake shoe assemblies Amendment - 1

**Total Published Standards:73 Total Standards Under development:24**

### Aspect Wise Report

Product : 18  
Code of Practices : 2  
Methods of Test : 46  
Terminology : 4  
Dimensions : 2  
System Standard : 0  
Safety Standard : 1  
Others : 0  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

### Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 10043 : 1994	Automotive Vehicles - Symbols For Controls Indicators And Telltales For Scooters And Motorcycles
2	IS 10289 : 1982	Brake Control Levers for Mopeds
3	IS 10376 : 1982 Reviewed In : 1995	Performance requirements of braking systems for mopeds
4	IS 10413 : 1983 Reviewed In : 1990	Method Of Measurement Of Maximum Speed Of Scooters And Motorcycles
5	IS 10479 : 1993	Code of practice for field control of moisture and compaction of soils for embankment and subgrade
6	IS 10841 : 1984	Front brake control lever for scooters and motorcycles
7	IS 10944 : 1983 Reviewed In : 1990	Method of measurement of fuel consumption of mopeds
8	IS 11571 : 1986 Reviewed In : 1995	Terms and definitions of dimensions of scooters
9	IS 11716 : 1986 Reviewed In : 1995	Performance Evaluation Of Braking System Of Scooters And Motorcycles



10	IS 11852 : 2013 IEC 60645-6:2022	Automotive Vehicles - Uniform Provisions Concerning the Approval of Vehicles of Categories M N and T with Regard to Braking
11	IS 11852 (Part 1) : 2001 Reviewed In : 2010	Automotive Vehicles - Brakes And Braking Systems Part 1 Terminology
12	IS 11852 (Part 2) : 2001 Reviewed In : 2012	Automotive Vehicles - Brakes and Braking Systems - Part 2 General Functions and Features
13	IS 11852 (Part 3) : 2001 Reviewed In : 2012	Automotive vehicles - brakes and braking systems Part 3 Performance requirements and evaluation
14	IS 11852 (Part 4) : 2001 Reviewed In : 2010	Automotive Vehicles - Brakes and Braking Systems - Part 4 Compressed Air and Air Assisted Brakes - Special Requirements
15	IS 11852 (Part 5) : 2001 ISO 3853 Reviewed In : 2012	Automotive Vehicles - Brakes And Braking Systems Part 5 Compressed Air And Air Assisted Brakes - Pressure Test Connections
16	IS 11852 (Part 6) : 2001 Reviewed In : 2012	Automotive Vehicles - Brakes And Braking Systems Part 6 Vacuum Braking System - Special Requirements
17	IS 11852 (Part 7) : 2001 Reviewed In : 2012	Automotive Vehicles - Brakes and Braking Systems - Part 7 Inertia Dynamometer Test Method for Brake Lining
18	IS 11852 (Part 8) : 2001 Reviewed In : 2012	Automotive Vehicles - Brakes and Braking Systems - Part 8 Test Procedures
19	IS 11852 (Part 9) : 2003 Reviewed In : 2008	Automotive Vehicles - Brakes and Braking Systems - Part 9 Requirements for Vehicles Equipped with Anti-Lock Braking Systems
20	IS 12055 : 1987 Reviewed In : 1992	Method of Measurement of Acceleration of Mopeds
21	IS 13493 : 1992 Reviewed In : 2007	Automotive vehicles - Two wheelers - Method of evalation of brake lever strength requirements
22	IS 13494 : 1992 Reviewed In : 2007	Automotive Vehicles - Air Brake Systems - Performance Requirements for Unloader Valves
23	IS 13507 : 1992 Reviewed In : 2007	Automotive Vehicles - Self Centering - Method of Test
24	IS 13670 : 1992	Automotive vehicles - three wheelers - brake performance requirements
25	IS 14121 : 1995	Automotive vehicles - braking systems - test procedure for two and three wheelers
26	IS 3028 : 1998 ISO/DIS 362 Reviewed In : 2018	Automotive vehicles - Noise emitted by moving vehicles - Method of measurement Second Revision
27	IS 9212 : 1979 Reviewed In : 2002	Recommendations for Pressures in Brakes Lines of Road Vehicles and Braking efficiency
28	IS 9268 : 1979	Braking terminology for road vehicles
29	IS 9655 : 1994	Automotive vehicles - Type location and functions of controls - Mopeds
30	IS 9714 : 1993	Automotive vehicles - symbols for controls indicators and telltales for mopeds
31	IS 9726 : 1984 Reviewed In : 1995	Terms and definitions of weights of mopeds
32	IS 9727 : 1981 Reviewed In : 1995	Terms and definitions of dimensions for mopeds

### Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 11029 : 1984 Reviewed In : 2019	Specification for steering ball races for mopeds
2	IS 12222 : 2011 Reviewed In : 2022	Automotive vehicles - Turning circle and maneuverability requirements First Revision
3	IS 12851 : 2023	AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS
4	IS 12884 : 2015	Automotive vehicles - Braking systems rubber boots for brake wheel cylinders - Performance



		requirements First Revision
5	IS 13207 : 1991 Reviewed In : 2020 Reviewed In : 2021	Automotive vehicles - Hydraulic braking systems - Wheel cylinder performance requirements
6	IS 13224 : 1991 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Automotive vehicles - Hydraulic braking systems - Master cylinder performance requirements
7	IS 13225 : 1992 Reviewed In : 2017	Automotive vehicles - hydraulic braking systems - Rubber cups - Specification
8	IS 13249 : 2014 Reviewed In : 2024	Automotive vehicles - Braking systems - Rubber seal for disc brake cylinder - Performance requirements First Revision
9	IS 13363 : 2017	Automotive vehicles - Air brake systems - Performance requirements for drain valves First Revision
10	IS 13603 : 2014 Reviewed In : 2019	Automotive vehicles - Air brake systems - Performance requirements for brake chamber First Revision
11	IS 13604 : 2014 Reviewed In : 2019	Automotive vehicles - Air brake systems - Performance requirements for dual brake valve First Revision
12	IS 14382 : 2014 Reviewed In : 2019	Automotive vehicles - Speed limitation devices - Specification First Revision
13	IS 15702 : 2006 Reviewed In : 2022	Automotive vehicles - Air brake hose - Specification
14	IS 15783 : 2008 Reviewed In : 2023	Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification
15	IS 2742 (Part 1) : 1994 Reviewed In : 2019	Automotive vehicles - Brake linings Non - Rubberized Part 1 specification First Revision
16	IS 2742 (Part 2) : 1999 Reviewed In : 2019	Automotive vehicles - Brake linings - Rubberised Part 2 specification
17	IS 7065 : 1973 Reviewed In : 2021	Specification for steering wheels
18	IS 7079 : 2008 Reviewed In : 2024	Automotive vehicles - Brake hose assemblies for hydraulic braking systems used with non - Petroleum base brake fluid specification Third Revision