

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: **ISO TC-22 (P): Road Vehicles ISO TC-22 SC-33 (O): Vehicle dynamics, chassis components and driving automation systems testing ISO TC-22 SC-35 (P): Lighting and visibility ISO TC-22 SC-38 (P): Motorcycles and mopeds ISO TC-22 SC-39 (O): Ergonomics**

Published Standards

| S.No | IS No. | TITLE | Reaffirm M-Y | No. of Amds | Eqv. |
|------|--|--|----------------|-------------|------------|
| 1 | IS 10278:2018 <i>Reviewed In : 2023</i> | 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 <i>Reviewed In : 2025</i> | Automotive vehicles - Two wheelers - Acceleration performance - Method of evaluation (Second Revision) | January, 2025 | - | Indigenous |
| 4 | IS 10881:1994 <i>Reviewed In : 2025</i> | Automotive vehicles - Mopeds, scooters and motorcycles method of evaluation of fuel consumption (First Revision) | March, 2025 | - | Indigenous |
| 5 | IS 11029:1984 <i>Reviewed In : 2025</i> Decision taken to Reaffirm and Archive | Specification for steering ball races for mopeds | March, 2025 | - | Indigenous |
| 6 | IS 11422:2001 ISO 6726 <i>Reviewed In : 2022</i> | Terms and definitions of weights of two wheeled motor vehicles (First Revision) | August, 2022 | - | Indigenous |
| 7 | IS 11432:2002 ISO 6725 <i>Reviewed In : 2022</i> | Terms and definitions of dimensions of two wheeled motor vehicles (First Revision) | August, 2022 | - | Indigenous |
| 8 | IS 11739:2024 | METHOD OF RECORDING DUST INGRESS IN AUTOMOTIVE VEHICLES | | - | Indigenous |
| 9 | IS 11825:2023 | Automotive Vehicles $\bar{t}_L^{1/2}$ Method of Weighment (First Revision) | | - | Indigenous |
| 10 | IS 11827:2008 <i>Reviewed In : 2023</i> | Automotive vehicles - Calibration of speedometer - Method of | November, 2023 | 3 | Indigenous |

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|----|--|--|-----------------|---|----------------------------------|
| | | evaluation (Second Revision) | | | |
| 11 | IS 11839:2024 | Procedure for Splash Proof Testing of Automotive Vehicles (First Revision) | | - | Indigenous |
| 12 | IS 11849:2024 | Method of Determination of Centre of Gravity of Automotive Vehicles (First Revision) | | - | Indigenous |
| 13 | IS 11849:1986 Reviewed In : 2017 | Method of determination of centre of gravity of automotive vehicles | March, 2017 | 1 | Indigenous |
| 14 | IS 11850:2024 | Automotive Vehicles â€” Odometer Systems â€” Method of Evaluation (Second Revision) | | - | Indigenous |
| 15 | IS 11851:2024 | METHOD OF EVALUATION OF ACCELERATION OF AUTOMOTIVE VEHICLES | | - | Indigenous |
| 16 | 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 |
| 17 | IS 11865:2006 Reviewed In : 2022 | Automotive vehicles - Method of conducting waterproofing test (First Revision) | August, 2022 | - | Indigenous |
| 18 | IS 11877:2019 Reviewed In : 2024 | Automotive Vehicles — Maximum Speed of Automotive Vehicles — Method of Evaluation (First Revision) | May, 2024 | - | Indigenous |
| 19 | IS 11921:2020 | Automotive Vehicles — Method of Evaluation of Constant Speed Fuel Consumption (Second Revision) | - | - | Indigenous |
| 20 | IS 11948:2010 Reviewed In : 2022 | Automotive vehicles - Steering effort - Method of evaluation (Second Revision) | September, 2022 | 2 | Indigenous |
| 21 | IS 12105:2014 Reviewed In : 2024 | Methods of test for valves of automotive air brake systems | December, 2024 | - | Indigenous |
| 22 | IS 12159:2018 Reviewed In : 2023 | Method of evaluation of accuracy of parameters of steering geometry of automotive vehicles (Second Revision) | January, 2023 | - | Indigenous |
| 23 | 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 |
| 24 | IS 12218:2018 Reviewed In : 2024 | Method of measurement of approach, departure and ramp angles of automotive vehicles (First Revision) | May, 2024 | - | Indigenous |
| 25 | IS 12222:2011 Reviewed In : 2022 | Automotive vehicles - Turning circle and maneuverability requirements (First Revision) | September, 2022 | 2 | Indigenous |
| 26 | IS 12695:1989 Reviewed In : 2025 Decision taken to Reaffirm and Archive | Automotive vehicles -Three wheeled vehicles - Determination of centre of gravity | March, 2025 | - | Indigenous |
| 27 | IS 12793:2012 ISO 9130 : 2005 Reviewed In : 2021 | Motorcycles - Measurement method for location of centre of gravity (First Revision) | March, 2021 | - | Indigenous |
| 28 | IS 12821:2017 | Automotive vehicles - Braking | August, 2022 | - | Indigenous |

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|----|---|---|-----------------|---|------------|
| | Reviewed In : 2022 | system, tube connections - Dimensions (First Revision) | | | |
| 29 | IS 12831:2024 | Automotive Vehicles â€™ Braking Systems â€™ Banjo Bolt Connections â€™ Dimensions (First Revision) | | - | Indigenous |
| 30 | IS 12832:2010 Reviewed In : 2021 | Automotive vehicles - Interior noise - Method of measurement and requirements (First Revision) | March, 2021 | 1 | Indigenous |
| 31 | IS 12851:2023 | AUTOMOTIVE VEHICLES - HYDRAULIC BRAKE SYSTEMS TUBINGS - PERFORMANCE REQUIREMENTS | | - | Indigenous |
| 32 | IS 12884:2015 Reviewed In : 2020 | Automotive vehicles - Braking systems, rubber boots for brake wheel cylinders - Performance requirements (First Revision) | January, 2020 | - | Indigenous |
| 33 | IS 13207:2024 | AUTOMOTIVE VEHICLES - HYDRAULIC BRAKING SYSTEMS - WHEEL CYLINDER PERFORMANCE REQUIREMENTS | | - | Indigenous |
| 34 | 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 |
| 35 | IS 13225:2024 | Automotive Vehicles â€™ Hydraulic Braking Systems â€™ Rubber Cups â€™ Specification (First Revision) | | - | Indigenous |
| 36 | IS 13249:2014 Reviewed In : 2024 | Automotive vehicles - Braking systems - Rubber seal for disc brake cylinder - Performance requirements (First Revision) | May, 2024 | - | Indigenous |
| 37 | IS 13363:2017 Reviewed In : 2024 | Automotive vehicles - Air brake systems - Performance requirements for drain valves (First Revision) | December, 2024 | - | Indigenous |
| 38 | 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 |
| 39 | IS 13476:2006 Reviewed In : 2022 | Automotive vehicles - Mechanical steering gear - Methods of test (First Revision) | September, 2022 | - | Indigenous |
| 40 | IS 13492:1992 Reviewed In : 2025 | Automotive vehicles - Two wheelers - Method of evaluation of brake pedal strength requirements | March, 2025 | 1 | Indigenous |
| 41 | IS 13603:2014 Reviewed In : 2024 | Automotive vehicles - Air brake systems - Performance requirements for brake chamber (First Revision) | December, 2024 | - | Indigenous |
| 42 | IS 13604:2014 Reviewed In : 2024 | Automotive vehicles - Air brake systems - Performance requirements for dual brake valve (First Revision) | December, 2024 | - | Indigenous |
| 43 | IS 13988:2014 | Automotive vehicles - Starting gradeability - Method of | December, 2024 | - | Indigenous |

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|----|---|--|-----------------|---|------------|
| | Reviewed In : 2024 | measurement and requirement (Second Revision) | | | |
| 44 | IS 14269:2024 | AUTOMOTIVE VEHICLES INTEGRAL POWER STEERING GEAR METHOD OF TEST (FIRST REVISION) | | - | Indigenous |
| 45 | IS 14283:2024 | Automotive Vehicles â€™ Accelerator Control Systems â€™ Safety Requirements (First Revision) | | - | Indigenous |
| 46 | IS 14382:2014 Reviewed In : 2019 | Automotive vehicles - Speed limitation devices - Specification (First Revision) | September, 2019 | - | Indigenous |
| 47 | IS 14557:2024 | Automotive Vehicles â€™ Cooling Performance â€™ Method of Measurement (First Revision) | | - | Indigenous |
| 48 | IS 14610:1999 Reviewed In : 2025 | Automotivevehicles - Fuel consumptiononchassis dynamometer - Methodof measurement | March, 2025 | - | Indigenous |
| 49 | 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 | 6 | Indigenous |
| 50 | IS 14785:2000 Reviewed In : 2021 | Automotive vehicles - - Determination of road - Load constants by coast down test method | March, 2021 | - | Indigenous |
| 51 | IS 15702:2006 Reviewed In : 2022 | Automotive vehicles - Air brake hose - Specification | August, 2022 | - | Indigenous |
| 52 | 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 |
| 53 | IS 15783:2008 Reviewed In : 2023 | Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification | November, 2023 | - | Indigenous |
| 54 | 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 | 3 | Indigenous |
| 55 | 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 |
| 56 | IS 16137 (Part 2):2014 Reviewed In : 2019 | Automotive vehicles - Methods of measurement of braking coefficient of road surfaces | January, 2019 | - | Indigenous |
| 57 | IS 16137 (Part 2):2025 | Automotive Vehicles - Methods of Measurement of Braking Coefficient of Road Surfaces Part 2 Pendulum Method (First Revision) | | - | Indigenous |
| 58 | IS 17128 (Part 1):2019 Reviewed In : 2024 | Automotive vehicles ? vehicle dynamics test methods: Part 1 general test conditions | May, 2024 | - | Indigenous |
| 59 | IS 17128 (Part | Automotive Vehicles â€™• Vehicle | January, 2024 | - | Indigenous |

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|----|---|---|----------------|---|------------------------------------|
| | 2):2019 Reviewed In : 2024 | Dynamics Test Methods Part 2 Steady-State Test Procedure for Vehicle Stability and Controllability “ Open-Loop and Closed Loop Test | | | |
| 60 | 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 |
| 61 | IS 17132:2025 | Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and Their Trailers - Specification (first revision) | | - | Indigenous |
| 62 | IS 17871:2022 | AUTOMOTIVE VEHICLE NOISE EMITTED BY STATIONARY VEHICLES METHOD OF MEASUREMENT NON-ORIGINAL REPLACEMENT EXHAUST SILENCING SYSTEMS RES FOR TWO AND THREE WHEELED VEHICLES | | - | Indigenous |
| 63 | IS 2742 (Part 1):1994 Reviewed In : 2019 | Automotive vehicles - Brake linings (Non - Rubberized): Part 1 specification (First Revision) | July, 2019 | 1 | Indigenous |
| 64 | IS 2742 (Part 2):1999 Reviewed In : 2019 | Automotive vehicles - Brake linings - Rubberised: Part 2 specification | July, 2019 | 1 | Indigenous |
| 65 | IS 2742 (Part 3):1994 Reviewed In : 2025 | Automotive vehicles - brake linings: Part 3 methods of test | January, 2025 | 2 | Indigenous |
| 66 | IS 2742 (Part 4):1994 Reviewed In : 2019 | Automotive vehicles - Brake linings: Part 4 coefficient of friction - method of test | July, 2019 | 2 | Indigenous |
| 67 | IS 2742 (Part 5):1994 Reviewed In : 2019 | Automotive vehicles - - Brake linings: Part 5 internal shear strength - Method of test | July, 2019 | 1 | Indigenous |
| 68 | IS 2742 (Part 6):2018 ISO 6310 | Automotive vehicles - Brake linings: Part 6 compressive strain test methods | | - | Modified/Technically Equivalent |
| 69 | IS 2742 (Part 7):2018 | Automotive vehicles - Brake linings: Part 7 shear test procedure for disc brake pad and drum brake shoe assemblies | | 1 | Indigenous |
| 70 | IS 3028:1998 ISO/DIS 362 Reviewed In : 2025 | Automotive vehicles - Noise emitted by moving vehicles - Method of measurement (Second Revision) | March, 2025 | 6 | 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 | | 1 | Indigenous |

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| | | VEHICLES SPECIFICATION AND METHOD OF MEASUREMENT PART 2 : OTHER THAN L2 AND L5 CATEGORY | | | |
| 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 7079:2008 Reviewed In : 2024 | Automotive vehicles - Brake hose assemblies forhydraulicbraking systems used with non - Petroleum base brake fluid specification (Third Revision) | May, 2024 | 2 | Indigenous |
| 75 | 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 |
| 76 | IS 9435:2004 ISO 612 (E) Reviewed In : 2025 ISO 612 (E) | Terms and Definitions Relating to Dimensions of Road Vehicles Other than 2 and 3 Wheelers | March, 2025 | 1 | Identical under dual numbering |

Standards under Development

| Projects Approved | | |
|-------------------|---------|-------|
| Sl. No. | Doc No. | Title |
| No Records Found | | |

| Preliminary Draft Standards | | |
|-----------------------------|---------------|--|
| Sl. No. | Doc No. | Title |
| 1 | TED 4 (28768) | TYPE APPROVAL OF MOTOR VEHICLES OF CATEGORIES M2 M3 N2 AND N3 WITH REGARD TO THE ADVANCED EMERGENCY BRAKING SYSTEMS AEBS |

| Drafts Standards in WC Stage | | |
|------------------------------|---------|-------|
| Sl. No. | Doc No. | Title |
| No Records Found | | |

| Draft Standards Completed WC Stage | | |
|------------------------------------|---------------|---|
| Sl. No. | Doc No. | Title |
| 1 | TED 4 (24250) | Automotive vehicles - Braking systems - Method of test on brake dynamometer for two and three wheelers First Revision Amendment - 2 |
| 2 | TED 4 (27000) | Automotive Vehicles Maximum Speed of Automotive Vehicles Method of Evaluation First Revision Amendment - 1 |
| 3 | TED 4 (27001) | Automotive Vehicles Brake Linings Part 6 Compressive Strain Test Methods First Revision |

| Finalized Draft Indian Standard | | |
|---------------------------------|--|---|
| Sl. No. | Doc No. | Title |
| 1 | TED 4 (24035) Revision of: IS 14785:2000 | AUTOMOTIVE VEHICLES DETERMINATION OF ROAD LOAD CONSTANTS BY COAST DOWN TEST METHOD First Revision |
| 2 | TED 4 (25916) | AUTOMOTIVE VEHICLES VEHICLE DYNAMICS TEST METHODS PART 4 RIDE COMFORT MEASUREMENTS |
| 3 | TED 4 (25917) | AUTOMOTIVE VEHICLES-VEHICLE DYNAMICS TEST METHODS PART 5 SUBJECTIVE |

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| | | EVALUATION VEHICLE RIDE HANDLING STEERING |
| 4 | TED 4 (27191) | Automotive vehicles - Air brake systems - Performance requirements for drain valves First Revision Amendment - 1 |
| 5 | TED 4 (27192) | Automotive vehicles - Air brake systems - Performance requirements for dual brake valve First Revision Amendment - 1 |
| 6 | TED 4 (27218) | Automotive Vehicles Valves of Automotive Air Brake Systems Method of Test |
| 7 | TED 4 (27219) | Automotive vehicles - Air brake systems - Performance requirements for brake chamber First Revision Amendment - 1 |

Finalized Draft Indian Standards under Print

| SI. No. | Doc No. | Title |
|---------|---|---|
| 1 | TED 4 (25687) Revision of: IS 16137:2014 | Automotive Vehicles Methods of Measurement of Braking Coefficient of Road Surfaces Part 1 SRTT Method First Revision |
| 2 | TED 4 (25693) Revision of: IS 2742:2018 | Automotive Vehicles Brake Linings Part 7 Shear Test Procedure for disc Brake Pad and Drum Brakeshoe Assemblies First Revision |

Total Published Standards:73 Total Standards Under development:13

Aspect Wise Report

Product : 17
Code of Practices : 1
Methods of Test : 46
Terminology : 4
Dimensions : 2
System Standard : 0
Safety Standard : 1
Others : 2
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

| SI. 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 |
| | | Automotive Vehicles - Brakes and Braking Systems - Part 2 General Functions and Features |

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| 12 | IS 11852 (Part 2):2001 Reviewed In : 2012 | |
| 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 7065:1973 Reviewed In : 2021 | Specification for steering wheels |
| 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 : 2025 Decision taken to Reaffirm and Archive | 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 Reviewed In : 2020 | Automotive vehicles - Braking systems rubber boots for brake wheel cylinders - Performance requirements First Revision |
| 5 | IS 13224:1991 | Automotive vehicles - Hydraulic braking systems - Master cylinder performance requirements |

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| | Reviewed In : 2024 Decision taken to Reaffirm and Archive | |
| 6 | IS 13225:2024 | Automotive Vehicles Hydraulic Braking Systems Rubber Cups Specification First Revision |
| 7 | IS 13249:2014 Reviewed In : 2024 | Automotive vehicles - Braking systems - Rubber seal for disc brake cylinder - Performance requirements First Revision |
| 8 | IS 13363:2017 Reviewed In : 2024 | Automotive vehicles - Air brake systems - Performance requirements for drain valves First Revision |
| 9 | IS 13603:2014 Reviewed In : 2024 | Automotive vehicles - Air brake systems - Performance requirements for brake chamber First Revision |
| 10 | IS 13604:2014 Reviewed In : 2024 | Automotive vehicles - Air brake systems - Performance requirements for dual brake valve First Revision |
| 11 | IS 14382:2014 Reviewed In : 2019 | Automotive vehicles - Speed limitation devices - Specification First Revision |
| 12 | IS 15702:2006 Reviewed In : 2022 | Automotive vehicles - Air brake hose - Specification |
| 13 | IS 15783:2008 Reviewed In : 2023 | Road vehicles - Brake control levers for two and three wheeled motor vehicles - Specification |
| 14 | IS 17132:2025 | Replacement Brake Lining Assemblies and Drum Brake Linings for Power-Driven Vehicles and Their Trailers - Specification first revision |
| 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 7079:2008 Reviewed In : 2024 | Automotive vehicles - Brake hose assemblies for hydraulic braking systems used with non - Petroleum base brake fluid specification Third Revision |