

BUREAU OF INDIAN STANDARDS

Program of Work

MTD 3 : Mechanical Testing of Metals Sectional Committee

Scope: Standardization in the field of mechanical testing of metals
 Liaison: **ISO TC-164 (P): Mechanical testing of metals ISO TC-164 SC-1 (P): Uniaxial testing ISO TC-164 SC-2 (P): Ductility testing ISO TC-164 SC-3 (P): Hardness testing ISO TC-164 SC-4 (P): Fatigue, fracture and toughness testing**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10166 : 1982 Reviewed In : 2022 Reaffirmed but not taken up for revision	Method for calibration of standardized test block for verification of scleroscope hardness testing equipments	March, 2022	-	Indigenous
2	IS 10167 : 1982 Reviewed In : 2022	Method for upsetting test on metallic materials	March, 2022	-	Indigenous
3	IS 10175 : 2018 ISO 20482:2013 Reviewed In : 2023 ISO 20482 : 2013	Metallic materials - Sheet and strip - Erichsen cupping test (Third Revision)	August, 2023	-	Identical under dual numbering
4	IS 10180 : 1982 Reviewed In : 2022	Method for plane strain fracture toughness testing of metals	March, 2022	-	Indigenous
5	IS 10623 : 2023	Drop Weight Tear Test on Ferritic Steels and Line Pipe ? Method of Test		-	Indigenous
6	IS 10636 (Part 1) : 1983 Reviewed In : 2022 Reaffirmed but not taken up for revision	Methods for measurement of abrasive wear properties of metallic material: Part 1 test method for gouging abrasion resistance (Jaw Crusher Test)	March, 2022	-	Indigenous
7	IS 10636 (Part 2) : 1983 Reviewed In : 2022 Reaffirmed but not taken up for revision	Method for measurement of abrasive wear properties of metallic material: Part 2 test method for high stress abrasion	March, 2022	-	Indigenous
8	IS 10636 (Part 3) : 1983 Reviewed In : 2022 Reaffirmed but not taken up for revision	Methods for measurement of abrasive wear properties of metallic material: Part 3 test methods for low stress abrasion	March, 2022	-	Indigenous
9	IS 11083 : 1984 Reviewed In : 2022 Reaffirmed but not	Method for evaluation of friction and wear properties of materials against steel surface	March, 2022	-	Indigenous

	taken up for revision				
10	IS 11240 : 1985 Reviewed In : 2022	Method for falling weight test on metallic materials	March, 2022	-	Indigenous
11	IS 11999 : 2022 ISO 10113:2020 ISO 10113:2020	METALLIC MATERIALS SHEET AND STRIP DETERMINATION OF PLASTIC STRAIN RATIO (Second Revision)		-	Identical under dual numbering
12	IS 12260 : 2018 ISO 8495 : 2013 Reviewed In : 2023 ISO 8495 : 2013	Metallic Materials - Tube - Ring - Expanding test (First Revision)	August, 2023	-	Identical under dual numbering
13	IS 12261 : 1987 Reviewed In : 2020 ISO 9649	Method for reverse torsion test for metallic wire	February, 2020	-	Not Equivalent
14	IS 12278 : 2018 ISO 8496:2013 Reviewed In : 2023 ISO 8496 : 2013	Metallic Materials - Tube - Ring tensile test (Second Revision)	August, 2023	-	Identical under dual numbering
15	12872 : 2021 ISO 9513 : 1999 ISO 9513 : 2012	Metallic Materials - Calibration of Extensometer Systems Used in Uniaxial Testing (Second Revision)		-	Identical under dual numbering
16	IS 13237 : 1991 Reviewed In : 2020	Metallic foil - Tension testing	February, 2020	-	Indigenous
17	IS 13838 : 2023	MECHANICAL TESTING OF METALS- DETERMINATION OF POISSONS RATIO		-	Indigenous
18	IS 1403 (Part 1) : 1993 ISO 7799:1985 Reviewed In : 2020 ISO 7799:1985	Metallic materials — Sheet and strip 3 mm thick or less — Reverse bend test	February, 2020	1	Identical under dual numbering
19	IS 1500 (Part 1) : 2019 ISO 6506-3 : 2014 Reviewed In : 2024 ISO 6506-1 : 2014	Metallic materials - Brinell hardness test: Part 1 test method (Fifth Revision)	January, 2024	-	Identical under dual numbering
20	IS 1500 (Part 2) : 2021 ISO 6506-2 : 2014 ISO 6506-2 : 2014	Metallic materials -- Brinell hardness test -- Part 2: Verification and calibration of testing machines		-	Identical under dual numbering
21	IS 1500 (Part 3) : 2019 ISO 6506-3 : 2014 Reviewed In : 2024 ISO 6506-3 : 2014	Metallic materials - Brinell hardness test: Part 3 calibration of reference blocks (Fifth Revision)	January, 2024	-	Identical under dual numbering
22	IS 1500 (Part 4) : 2019 6506-4 : 2014 Reviewed In : 2024 ISO 6506-4 : 2014	Metallic materials - Brinell hardness test: Part 4 table of hardness values (Fifth Revision)	January, 2024	-	Identical under dual numbering
23	IS 1501 (Part 1) : 2020 ISO 6507-1 : 2018 ISO 6507-1:2018	Metallic Materials — Vickers Hardness Test Part 1 Test Method (Fifth Revision)	-	-	Identical under dual numbering
24	IS 1501 (Part 2) : 2020	Metallic Materials — Vickers Hardness Test Part 2 Verification	-	-	Identical under dual numbering

	ISO 6507-2 : 2018 ISO 6507-2 : 2018	and Calibration of Testing Machines (Fifth Revision)			
25	IS 1501 (Part 3) : 2020 ISO 6507-3 : 2018 ISO 6507-3 : 2018	Metallic Materials — Vickers Hardness Test Part 3 Calibration of Reference Blocks (Fifth Revision)	-	-	Identical under dual numbering
26	IS 1501 (Part 4) : 2020 ISO 6507-4 : 2018 ISO 6507-4 : 2018	Metallic Materials — Vickers Hardness Test Part 4 Tables of Hardness Values (Fifth Revision)	-	-	Identical under dual numbering
27	IS 15420 : 2003 Reviewed In : 2021	Metallic materials - Charpy pendulum impact test - Preparation and characterization of charpy V reference test pieces for verification of test machines	March, 2021	-	Indigenous
28	IS 15756 : 2022 ISO 10275:2020 ISO 10275:2020	Metallic materials - Sheet and strip - Determination of tensile strain hardening exponent		-	Identical under dual numbering
29	IS 1586 (Part 1) : 2018 Reviewed In : 2023 ISO 6508-1 : 2016	Metallic materials - Rockwell hardness test: Part 1 test method (Fifth Revision)	May, 2023	-	Identical under dual numbering
30	IS 1586 (Part 2) : 2018 ISO 6508-2 : 2015 Reviewed In : 2023 ISO 6508-2:2015	Metallic materials - Rockwell hardness test: Part 2 verification and calibration of testing machines and indenters (Fifth Revision)	May, 2023	-	Identical under dual numbering
31	IS 1586 : 2018 ISO 6508-3:2015 Reviewed In : 2023 ISO 6508-3:2015	METALLIC MATERIALS - ROCKWELL HARDNESS TEST PART 3 CALIBRATION OF REFERENCE BLOCKS	June, 2023	-	Identical under dual numbering
32	IS 1598 : 1977 Reviewed In : 2020	Method for izod impact test of metals (First Revision)	February, 2020	-	Indigenous
33	IS 1599 : 2023 ISO 7438 : 2020 ISO 7438 : 2020	Metallic materials Bend test		-	Identical under dual numbering
34	IS 1608 (Part 1) : 2022 ISO 6892-1 : 2019 ISO 6892-1 : 2019	Metallic materials - Tensile testing - Part 1 : Method of test at room temperature		-	Identical under dual numbering
35	IS 1608 (Part 2) : 2020 ISO 6892-2 : 2018 ISO 6892-2:2018	Metallic Materials - Tensile Testing Part 2 Method of Test at Elevated Temperature (Fourth Revision)		-	Identical under dual numbering
36	IS 1608 (Part 3) : 2018 ISO 6892-3 : 2015 Reviewed In : 2023 6892-3:2015	Metallic materials - Tensile testing: Part 3 method of test at low temperature	August, 2023	-	Identical under dual numbering
37	IS 16842 : 2022 ISO 12108 : 2018 ISO 12108 : 2018	Metallic materials - Fatigue testing - Fatigue crack growth method		-	Identical under dual numbering
38	IS 16843 : 2018 ISO 12111 : 2011 Reviewed In : 2023 ISO 12111:2011	Metallic materials - Fatigue testing - Strain - Controlled thermomechanical fatigue testing method	November, 2023	-	Identical under dual numbering
39	IS 17143 : 2023 ISO 1352 : 2021	Metallic materials Torque-controlled fatigue testing		-	Identical under dual numbering

	ISO 1352 : 2021				
40	IS 17144 (Part 1) : 2019 ISO 14577-1 : 2015 Reviewed In : 2024 ISO 14577-1 : 2015	Metallic materials - Instrumented indentation test for hardness and materials parameters: Part 1 test method	January, 2024	-	Identical under dual numbering
41	IS 17144 (Part 2) : 2019 ISO 14577-2 : 2015 Reviewed In : 2024 ISO 14577-2 : 2015	Metallic materials - Instrumented indentation test for hardness and materials parameters: Part 2 verification and calibration of testing machines	January, 2024	-	Identical under dual numbering
42	IS 17144 (Part 3) : 2019 ISO 14577-3 : 2015 Reviewed In : 2024 ISO 14577-3 : 2015	Metallic materials - Instrumented indentation test for hardness and materials parameters: Part 3 calibration of reference blocks	January, 2024	-	Identical under dual numbering
43	IS 17144 (Part 4) : 2019 ISO 14577-4 : 2016 Reviewed In : 2024 ISO 14577-4 : 2016	Metallic materials - Instrumented indentation test for hardness and materials parameters: Part 4 test method for metallic and Non - Metallic coatings	January, 2024	-	Identical under dual numbering
44	IS 17145 (Part 1) : 2019 ISO 12110-1 : 2013 Reviewed In : 2024 ISO 12110-1 : 2013	Metallic materials - Fatigue testing - Variable amplitude fatigue testing: Part 1 general principles, test method and reporting requirements	January, 2024	-	Identical under dual numbering
45	IS 17145 (Part 2) : 2019 ISO 12110-2 ; 2013 Reviewed In : 2024 ISO 12110-2 : 2013	Metallic materials - Fatigue testing - Variable amplitude fatigue testing: Part 2 cycle counting and related data reduction methods	January, 2024	-	Identical under dual numbering
46	IS 17146 (Part 1) : 2023 ISO 12004-1 : 2020 ISO 12004-1 : 2020	Metallic materials Determination of forming-limit curves for sheet and strip Part 1: Measurement and application of forming-limit diagrams in the press shop		-	Identical under dual numbering
47	IS 17146 (Part 2) : 2022 ISO 12004-2:2021 ISO 12004-2:2021	Metallic materials Determination of forming-limit curves for sheet and strip Part 2: Determination of forming-limit curves in the laboratory		-	Identical under dual numbering
48	IS 17147 : 2019 ISO 12107 : 2012 Reviewed In : 2024 ISO 12107 : 2012	Metallic materials - Fatigue testing - Statistical planning and analysis of data	January, 2024	-	Identical under dual numbering
49	IS 17149 (Part 1) : 2019 ISO 16859-1 : 2015 Reviewed In : 2024 ISO 16859-1 : 2015	Metallic materials - Leeb hardness test: Part 1 test method	January, 2024	-	Identical under dual numbering
50	IS 17149 (Part 2) : 2019 ISO 16859-2 : 2015 Reviewed In : 2024 ISO 16859-2 : 2015	Metallic materials - Leeb hardness test: Part 2 verification and calibration of the testing devices	January, 2024	-	Identical under dual numbering
51	IS 17149 (Part 3) : 2019 ISO 16859-3 : 2015 Reviewed In : 2024	Metallic materials - Leeb hardness test: Part 3 calibration of reference test blocks	January, 2024	-	Identical under dual numbering

	ISO 16859-3 : 2015				
52	IS 17151 : 2023 ISO 12135 : 2021 ISO 12135 : 2021	Metallic materials Unified method of test for the determination of quasistatic fracture toughness		-	Identical under dual numbering
53	IS 1716 : 2023 ISO 7801:1984 ISO 7801:1984	Metallic materials Wire Reverse bend test		-	Identical under dual numbering
54	IS 1717 : 2018 ISO 7800 : 2012 Reviewed In : 2023 ISO 7800 : 2012	Metallic materials - Wire - Simple torsion test (Fourth Revision)	August, 2023	-	Identical under dual numbering
55	IS 17413 (Part 1) : 2020 ISO 26203-1 : 2018 ISO 26203-1:2018	Metallic Materials - Tensile Testing at High Strain Rates Part 1 Elastic-Bar-Type Systems		-	Identical under dual numbering
56	IS 17413 (Part 2) : 2020 ISO 26203-2 : 2011 26203-2:2011	Metallic Materials - Tensile Testing at High Strain Rates Part 2 Servo-Hydraulic and Other Systems		-	Identical under dual numbering
57	IS 17414 : 2020 ISO 16630 : 2017 ISO 16630:2017	Metallic Materials — Sheet and Strip — Hole Expanding Test		-	Identical under dual numbering
58	IS 17415 : 2023 ISO 18338 : 2021 ISO 18338 : 2021	Metallic materials Torsion test at room temperature		-	Identical under dual numbering
59	IS 17416 : 2020 ISO 14566 : 2015 ISO 14566 : 2015	Metallic Materials - Charpy V-notch Pendulum Impact Test - Instrumented Test Method		-	Identical under dual numbering
60	IS 17417 (Part 1) : 2020 ISO 4965-1 : 2012 ISO 4965-1:2012	Metallic Materials - Dynamic Force Calibration for Uniaxial Fatigue Testing Part 1 Testing Systems		-	Identical under dual numbering
61	IS 17417 (Part 2) : 2020 ISO 4965-2 : 2012 ISO 4965-2:2012	Metallic Materials - Dynamic Force Calibration for Uniaxial Fatigue Testing Part 2 Dynamic Calibration Device (DCD) Instrumentation		-	Identical under dual numbering
62	IS 17418 : 2020 ISO 16842 : 2014 ISO 16842 : 2014	Metallic Materials - Sheet and Strip - Biaxial Tensile Testing Method Using a Cruciform Test Piece		-	Identical under dual numbering
63	IS 17419 : 2020 ISO 17340 : 2014 ISO 17340:2014	Metallic Materials - Ductility Testing - High Speed Compression Test for Porous and Cellular Metals		-	Identical under dual numbering
64	IS 1755 : 2018 ISO 7802 : 2013 Reviewed In : 2023 ISO 7802:2013	Metallic Materials - Wire - Wrapping test (Second Revision)	August, 2023	-	Identical under dual numbering
65	IS 1757 (Part 1) : 2020 ISO 148-1 : 2016 Reviewed In : 2020 ISO 148-1:2016	Metallic Materials — Charpy Pendulum Impact Test Part 1 Test Method (Fourth Revision)	-	-	Identical under dual numbering
66	IS 1757 (Part 2) : 2020 ISO 148-2 : 2016 ISO 148-2 : 2016	Metallic Materials - Charpy Pendulum Impact Test Part 2 Verification of Testing Machines (Fourth Revision)		-	Identical under dual numbering
67	IS 1757 (Part 3) : 2020	Metallic Materials - Charpy Pendulum Impact Test Part 3		-	Identical under dual numbering

	ISO 148-3 : 2016 ISO 148-3:2016	Preparation and Characterization of Charpy V-notch Test Pieces for Indirect Verification of Pendulum Impact Machines (Fourth Revision)			
68	IS 17679 : 2021 ISO 15653:2018 ISO 15653:2018	Metallic materials - Method of test for the determination of quasistatic fracture toughness of welds		-	Identical under dual numbering
69	IS 17795 : 2022 ISO 204:2018 ISO 204:2018	Metallic materials- Uniaxial creep testing in tension - Method of test		-	Identical under dual numbering
70	IS 17915 : 2022 ISO 20032 : 2013 ISO 20032 : 2013	Method for evaluation of tensile properties of metallic superplastic materials		-	Identical under dual numbering
71	IS 17937 : 2022 ISO 13314 : 2011 ISO 13314 : 2011	Mechanical testing of metals Ductility testing Compression test for porous and cellular metals		-	Identical under dual numbering
72	IS 1828 (Part 1) : 2022 ISO 7500-1 : 2018 ISO 7500-1 : 2018	METALLIC MATERIALS - CALIBRATION AND VERIFICATION OF STATIC UNIAXIAL TESTING MACHINES - PART 1: TENSION/COMPRESSION TESTING MACHINES - CALIBRATION AND VERIFICATION OF THE FORCE-MEASURING SYSTEM		-	Identical under dual numbering
73	IS 1828 (Part 2) : 2015 IS 1828(Part 2):2014 / ISO 7500-2:2006 Reviewed In : 2020 ISO 7500-2:2006	Metallic materials - Verification of static uniaxial testing machines: Part 2 tension creep testing machines - Verification of the applied force (First Revision)	February, 2020	-	Identical under dual numbering
74	IS 18733 : 2024 ISO 11531 : 2022 ISO 11531 : 2022	Metallic materials $\frac{1}{2}$ Sheet and strip $\frac{1}{2}$ Earing test		-	Identical under dual numbering
75	IS 19024 : 2022 ISO 15363 : 2017 ISO 15363 : 2017	Metallic materials Tube ring hydraulic pressure test		-	Identical under dual numbering
76	IS 2328 : 2018 ISO 8492 : 2013 Reviewed In : 2023 ISO 8492:2013	Metallic materials - Tube - Flattening test (Third Revision)	August, 2023	-	Identical under dual numbering
77	IS 2329 : 2005 IS 2329:2005 / ISO 8491:1998 Reviewed In : 2022 ISO 8491:1998	Metallic materials - Tube (In Full Section) - Bend test (Second Revision)	January, 2022	-	Identical under dual numbering
78	IS 2330 : 2018 8494:2013 Reviewed In : 2023 ISO 8494 : 2013	METALLIC MATERIALS - TUBE - FLANGING TEST	August, 2023	-	Identical under dual numbering
79	IS 2335 : 2005 IS 2335:2005 / ISO 8493:1998 Reviewed In : 2022 ISO 8493:1998	Metallic Materials - Tube - Drift expanding test (Second Revision)	February, 2022	-	Identical under dual numbering
80	IS 2854 : 1990 Reviewed In : 2022	Determination of young's modulus,tangent modulus and	March, 2022	-	Indigenous

		chord modulus - Test method			
81	IS 2855 : 1991 Reviewed In : 2020	Thermostat metals - Determinantion of flexivity (First Revision)	February, 2020	-	Indigenous
82	IS 3394 : 1985 Reviewed In : 2022	Method for accelerated life test of electrical resistance alloys for heating elements (First Revision)	March, 2022	-	Indigenous
83	IS 3407 (Part 1) : 1983 Reviewed In : 2022	Method for creep testing of steel at elevated temperatures: Part 1 tensile creep testing (First Revision)	March, 2022	-	Indigenous
84	IS 3407 (Part 2) : 1983 Reviewed In : 2022	Method for creep testing of steel at elevated temperatures: Part 2 tensile creep stress rupture testing (First Revision)	March, 2022	-	Indigenous
85	IS 3410 : 1993 Reviewed In : 2020	Metallic materials - Determination of linear thermal expansion (First Revision)	February, 2020	-	Indigenous
86	IS 3711 : 2020 ISO 377 : 2017 ISO 377:2017	Steel and Steel Products — Location and Preparation of Samples and Test Pieces for Mechanical Testing (Third Revision)	-	-	Identical under dual numbering
87	IS 3803 (Part 1) : 2023 ISO 2566-1 : 2021 ISO 2566-1 : 2021	Steel - Conversion of elongation values: Part 1 carbon and low alloy steels		-	Identical under dual numbering
88	IS 3803 (Part 2) : 2022 ISO 2566-2:2021 ISO 2566-2:2021	Steel Conversion of elongation values Part 2: Austenitic steels		-	Identical under dual numbering
89	IS 4169 : 2014 ISO 18265:2003 Reviewed In : 2020 ISO 376 : 2011	Metallic materials - Calibration of force proving instruments used for the verification of uniaxial testing machines (Second Revision)	February, 2020	-	Identical under dual numbering
90	IS 4258 : 2018 ISO 18265:2013 Reviewed In : 2023 ISO 18265 : 2013	Metallic materials - Conversion of hardness values (Third Revision)	August, 2023	-	Identical under dual numbering
91	IS 5069 : 2018 ISO 23718 : 2007 Reviewed In : 2023 ISO 23718	Metallic Materials - Mechanical Testing - Vocabulary (Second Revision)	August, 2023	-	Identical under dual numbering
92	IS 5070 : 1985 Reviewed In : 2022	Method for beam unnotched impact test for grey cast iron (First Revision)	March, 2022	-	Indigenous
93	IS 5074 : 2023 ISO 1099 : 2017 ISO 1099 : 2017	Metallic materials -- Fatigue testing -- Axial force-controlled method		-	Identical under dual numbering
94	IS 5075 : 2023 ISO 1143 : 2021 ISO 1143 : 2021	METALLIC MATERIALS - ROTATING BAR BENDING FATIGUE TESTING		-	Identical under dual numbering
95	IS 5242 : 1979 Reviewed In : 2022	Method of test for determining shear strength of metals (First Revision)	March, 2022	-	Indigenous
96	IS 6885 (Part 1) : 2020 ISO 4545-1 : 2017 ISO 4545-1:2017	Metallic Materials — Knoop Hardness Test Part 1 Test Method (Second Revision)	-	-	Identical under dual numbering

97	IS 6885 (Part 2) : 2020 ISO 4545-2 : 2017 ISO 4545-2:2017	Metallic Materials — Knoop Hardness Test Part 2 Verification and Calibration of Testing Machines (Second Revision)	-	-	Identical under dual numbering
98	IS 6885 (Part 3) : 2020 ISO 4545-3 : 2017 ISO 4545-3:2017	Metallic Materials — Knoop Hardness Test Part 3 Calibration of Reference Blocks (Second Revision)	-	-	Identical under dual numbering
99	IS 6885 (Part 4) : 2020 ISO 4545-4 : 2017 ISO 4545-4:2017	Metallic Materials — Knoop Hardness Test Part 4 Tables of Hardness Values (Second Revision)	-	-	Identical under dual numbering
100	IS 6886 : 1973 Reviewed In : 2022	Method of dynamic force calibration of axial load fatigue testing machines by means of a strain gauge technique	March, 2022	-	Indigenous
101	IS 7096 : 1981 Reviewed In : 2022 Reaffirmed but not taken up for revision	Method for scleroscope hardness testing of metallic materials (first Revision)	March, 2022	-	Indigenous
102	IS 7172 : 1984 Reviewed In : 2022 Reaffirmed but not taken up for revision	Method for verification of scleroscope hardness testing machines (First Revision)	March, 2022	-	Indigenous
103	IS 8632 : 2023 ISO 3785:2006 ISO 3785:2006	Metallic materials Designation of test specimen axes in relation to product texture		-	Identical under dual numbering

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	MTD 3 (25830)	Metallic materials Ductility testing High speed compression test for porous and cellular metals
2	MTD 3 (25831) Revision of: IS 17795:2022	Metallic materials Uniaxial creep testing in tension Method of test
3	MTD 3 (25832) Revision of: IS 6885:2020	Metallic materials Knoop hardness test Part 1 Test method

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 3 (20807) Revision of: IS 6885:2020	Method for upsetting test on metallic materials
2	MTD 3 (25816) Revision of: IS 6885:2020	Metallic materials Rockwell hardness test Part 1 Test method

3	MTD 3 (25817) Revision of: IS 6885:2020	Metallic materials Rockwell hardness testPart 2 Verification and calibration of testing machines and indenters
4	MTD 3 (25818) Revision of: IS 6885:2020	Metallic materials Rockwell hardness testPart 3 Calibration of reference blocks
5	MTD 3 (25819) Revision of: IS 6885:2020	Metallic materials Vickers hardness test Part 1 Test method

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MTD 3 (20809) Revision of: IS 6886:1973	Dynamic Force Calibration of Axial Load Fatigue Testing Machines by Means of a Strain Gauge Technique Method of Test

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MTD 3 (20806) Revision of: IS 1598:1977	Izod Impact Test of Metals Method of Test
2	MTD 3 (23767) Revision of: IS 17416:2020	Metallic Materials Charpy V-notch Pendulum Impact Test Instrumented Test Method
3	MTD 3 (24421)	Metallic Materials Fatigue Testing Axial-Strain-Controlled Method
4	MTD 3 (24951) Revision of: IS 3394:1985	Electrical Resistance Alloys for Heating Elements Accelerated Life Test Method of Test

Total Published Standards:102 Total Standards Under development:13

Aspect Wise Report

Product : 0
 Code of Practices : 3
 Methods of Test : 97
 Terminology : 1
 Dimensions : 2
 System Standard : 0
 Safety Standard : 0
 Others : 0
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10175 (Part 1) : 1993 ISO 8490 Reviewed In : 2009	Mechanical testing of metals -Modified erichsen cupping test - sheet and strip Pt 1 Thickness upto 2 mm
2	IS 10588 : 1983 Reviewed In : 2001	Tables of Brinell hardness values for use in test made on flat surfaces
3	IS 10927 (Part 1) : 1984 Reviewed In : 1996	Tables of Vickers Hardness Values for Use in Tests Made on Flat Surfaces - Part 1 HV 5 to HV 100
4	IS 10927 (Part 2) : 1984 Reviewed In : 1996	Tables of Vickers Hardness Values for Use in Tests Made on Flat Surfaces - Part 2 Hv 0 2 to Less Than Hv 5
5	IS 10927 (Part 3) : 1991 Reviewed In : 1999	Tables of Vickers Hardness Values for use in Tests Made on Flat Surfaces - Part 3 Less than HV 0 2
6	IS 12514 : 1988 ISO 9513 : 1999 Reviewed In : 2020	Method for torsional stress fatigue testing
7	IS 1499 : 1977	Method for charpy impact test U - Notch for metals First Revision

	Reviewed In : 2020	
8	IS 1500 : 2005 IS 1500(Part 1):2013 / ISO 6506-1:2005 Reviewed In : 2010 IS 1500(Part 1):2013 / ISO 6506-1:2005	Method for Brinell Hardness Test for Metallic Materials
9	IS 1501 : 2002 Reviewed In : 2007	Method For Vickers Hardness Test for Metallic Materials
10	IS 1521 : 1972	Method for tensile testing of steel wire
11	IS 1586 : 2000 Reviewed In : 2010	Method for Rockwell Hardness Test for Metallic Material Scales A-B-C-D-E-F-G-H-K 15N 30N 45N 15T 30T and 45T
12	IS 1608 : 2005 IS 1608:2005 / ISO 6892:1998 Reviewed In : 2017 IS 1608:2005 / ISO 6892:1998	Mechanical testing of metals - Tensile Testing
13	IS 1663 : 1972	Method for tensile testing of steel sheet and strip of thickness 0.5 mm to 3 mm
14	IS 1663 (Part 2) : 1962	Tensile testing of steel sheet and strip Part 2 Steel sheet and strip of thickness above 3 mm
15	IS 1692 : 1974	Method for simple bend testing of steel sheet and strip less than 3 mm thick
16	IS 1754 : 2002 IS 1754:2002 / ISO 6507-2:1997 Reviewed In : 2020 ISO 6507-2:1997	Method for verification of vickers hardness testing machines Third Revision
17	IS 1754 (Part 1) : 1986 Reviewed In : 1996	Method for Verification of Vickers Hardness Testing Machines Part I HV 0.2 to HV 100
18	IS 1754 (Part 2) : 1986 Reviewed In : 1996	Method for Verification of Vickers Hardness Testing Machines Part 2 Less than HV 0.2
19	IS 1756 : 1974	Methods of modified Erichsen cupping test for steel sheet and strip
20	IS 1789 : 1961	Method for brinell hardness test for grey cast iron
21	IS 1790 : 1961	Method for brinell hardness test for light metals and their alloys
22	IS 1810 : 1961	Method for vickers hardness test for light metals and their alloys
23	IS 1816 : 1979	Method for tensile test for light metals and their alloys
24	IS 1894 : 1972	Criteria for earthquake resistant design of structures Fourth Revision
25	IS 2078 : 1979	Method for tensile testing of grey cast iron
26	IS 223 : 1950	Tensile Testing Of Metals ferrous
27	IS 2281 : 2005 IS 2281:2005 / ISO 6506-2:1999 Reviewed In : 2011 IS 2281:2005 / ISO 6506-2:1999	Method for Verification of Brinell Hardness Testing Machines
28	IS 2348 : 1963 Reviewed In : 2008	Method for drift expanding test on copper and copper alloy tubes
29	IS 2654 : 1977	Method for tensile testing of copper and copper alloys

30	IS 2655 : 1964	Method for tensile testing of copper and copper alloy tubes
31	IS 2656 : 1964	Method for tensile testing of copper and copper alloy wires
32	IS 2657 : 1964	Method for tensile testing of aluminium and aluminium alloy tube
33	IS 2658 : 1964	Method for tensile testing for aluminium and aluminium alloy wire
34	IS 2866 : 1968	Method for Vickers hardness test for copper and copper alloys
35	IS 3054 : 1965	Method for Brinell hardness test for copper and copper alloys
36	IS 3260 : 1965	Method For Bend Test For Copper And Copper Alloys
37	IS 3388 : 1965	Method for wrapping test for copper and copper alloy wire
38	IS 3408 : 1965	Method for non-interrupted creep testing of steel at elevated temperature
39	IS 3409 : 1965	Method for creep stress rupture testing of steel of elevated temperature
40	IS 3754 : 1988 Reviewed In : 1999	Method for calibration of standardized blocks to be used for Rockwell hardness testing machines Scales A-B-C-D-E-F-G-H-K
41	IS 3766 : 1977 IS 3803(Part 1):1989 / ISO 2566-1 : 1984 Reviewed In : 2020	Method for calibration of pendulum impact testing machines for testing metals First Revision
42	IS 3804 : 1988 Reviewed In : 1999	Method for calibration of Rockwell hardness testing machines Scales A-B-C-D-E-F-G-H-K
43	IS 4132 : 2005 Reviewed In : 2011 IS 4132:2005	Method for calibration of standardized blocks to be used for Brinell hardness teing machines
44	IS 4133 : 2002 IS 4133:2002 / ISO 6507-3:1997 Reviewed In : 2012 IS 4133:2002 / ISO 6507-3:1997	Method for Calibration of Standardized Blocks to be Used for Vickers Hardness Testing Machines
45	IS 4133 (Part 1) : 1986 Reviewed In : 1996	Method for Calibration of Standardized Blocks to be Used for Vickers Hardness Testing Machines - Part 1 HV 0.2 to HV 100
46	IS 4168 : 1967	Method for wrapping test of aluminium and aluminium alloy wire
47	IS 4176 : 1967	Method for simple torsion test of aluminium and aluminium alloy wire
48	IS 4177 : 1967	Method for flattening test of aluminium and aluminium alloy tubes
49	IS 4598 : 1968	Method for simple bend test for aluminium and aluminium alloy sheet and strip of thickness between 0.2 mm and 7 mm
50	IS 4599 : 1968	Method For Drift Expanding Test On Aluminium And Aluminium Alloy Tubes
51	IS 4713 : 1968	Method for determination of lower yield stress proof stress and proving test for steel at elevated temperatures
52	IS 497 : 1953	Tensile testing of metals non-ferrous
53	IS 5071 : 1969	Method for flattening test for copper and copper alloy tubes of circular section
54	IS 5072 : 1988 Reviewed In : 1999	Method for Rockwell Superficial Hardness Test scale 15n 30n 45n 15t 30t and 45t
55	IS 5073 : 1988 Reviewed In : 1999	Method for verification of Rockwell superficial hardness testing machines Scales 15N 30N 45N 15T 30T and 45T

56	IS 5076 : 1988 Reviewed In : 1999	Method for calibration of standardized blocks to be used for rockwell superficial hardness testing machines Scales 15N 30N 45N 15T 30T and 45T
57	IS 5619 : 1970	Recommendations for fatigue testing of metals
58	IS 6253 : 1971	Method for simple torsion testing of copper and copper alloy wire
59	IS 6520 : 1972	Method for the determination of K-values of a tensile testing system
60	IS 6878 : 1973	Method of reverse bend testing of copper and copper alloy wire
61	IS 6885 : 1973	Method for Knoop hardness testing of metals
62	IS 7095 : 1973 Reviewed In : 2010	Method for verification of Knoop hardness testing machines
63	IS 7097 : 1973 Reviewed In : 2010	Method for Calibration of Standardized Blocks for Verification of Knoop Hardness Testing Machines
64	IS 8285 : 1976 Reviewed In : 1991	Method for tensile test of copper and copper alloy rolled flat product thickness less than 2.5 mm
65	IS 9258 : 1979	Method for vickers micro-hardness testing of metals

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
<i>No Records Found</i>		