National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : S. B. STEELS COMPANY, 366/6 & 366/1, G.T ROAD, HOWRAH, WEST BENGAL, INDIA
Accreditation Standard ISO/IEC 17025:2017
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S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Steel	Adhesion Test	BS 729
2	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Steel	Adhesion Test	IS 2629
3	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Steel	Dip Test	BS 729
4	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Steel	Dip Test	IS 2633
5	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Steel	Mass of Zinc Coating	BS 729
6	CHEMICAL- METALLIC COATINGS & TREATMENT SOLUTIONS	Zinc Coated Steel	Mass of Zinc Coating	IS 6745
7	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Chromium	IS 11035
8	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Chromium	IS 504(Part-8) Sec-5
9	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Copper	ASTM E1251
10	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Copper	IS 11035
11	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Copper	IS 504 (Part-3)Sec-5,6
12	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron	ASTM E1251
13	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron	BS 1728 (Part-8)
14	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron	IS 11035
15	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Iron	IS 504 (Part-2) Sec-5,6
16	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Lead	IS 504(Part-1) Sec-8

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17	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Magnesium	IS 504(Part-6) Sec-5
18	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	ASTM E1251
19	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	BS 1728 (Part-9)
20	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	IS 11035
21	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Manganese	IS 504 (Part-5) Sec.5
22	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Nickel	IS 504(Part-7) Sec-5
23	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon	ASTM E1251
24	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon	BS 1728 (Part-11)
25	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon	IS 11035
26	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Silicon	IS 504 (Part-1) Sec.6,7
27	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Tin	IS 504(Part-9) Sec-5
28	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Titanium	ASTM E1251
29	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Titanium	IS 11035
30	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Titanium	IS 504 (Part-11)
31	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Vanadium	ASTM E1251
32	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zinc	ASTM E1251
33	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zinc	IS 11035
34	CHEMICAL- METALS & ALLOYS	Aluminium & Aluminium Alloys	Zinc	IS 504 (Part-4) Sec-5,6
35	CHEMICAL- METALS & ALLOYS	Cast Iron	Carbon	IS 12308(Part-11):

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36	CHEMICAL- METALS & ALLOYS	Cast Iron	Chromium	IS 12308 (Part-8):
37	CHEMICAL- METALS & ALLOYS	Cast Iron	Manganese	IS 12308(Part-10):
38	CHEMICAL- METALS & ALLOYS	Cast Iron	Molybdneum	IS 12308(Part-9):
39	CHEMICAL- METALS & ALLOYS	Cast Iron	Nickel	IS 12308(Part-7):
40	CHEMICAL- METALS & ALLOYS	Cast Iron	Phosphorous	IS 12308 (Part-5):
41	CHEMICAL- METALS & ALLOYS	Cast Iron	Silicon	IS 12308 (Part-6):
42	CHEMICAL- METALS & ALLOYS	Cast Iron	Sulphur	IS 12308 (Part-2):
43	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Copper	IS 3685 Cl-5
44	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Copper	IS 4027 (Part-1)
45	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Copper	IS 440 Cl-4
46	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Iron	IS 3685 Cl-10
47	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Iron	IS 4027 (Part-8)
48	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Iron	IS 440 Cl-8
49	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Lead	IS 3685 Cl-5
50	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Lead	IS 4027(Part-1) Cl.4
51	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Lead	IS 440
52	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Manganese	IS 3685
53	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Manganese	IS 4027 (Part-2)
54	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Nickel	IS 3685: Cl-9

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55	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Nickel	IS 4027(Part-4)
56	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Nickel	IS 440: Cl-10
57	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Phosphorous	IS 3685:1966 Cl-8
58	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Phosphorous	IS 4027(Part-3): Cl-3
59	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Phosphorous	IS 440:Cl-15
60	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Silicon	IS 3685: Cl-11
61	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Silicon	IS 4027(Part-10)
62	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Tin	IS 3685:1966 Cl-6
63	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Tin	IS 4027(Part-5):
64	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Tin	IS 440: Cl-14
65	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Zinc	IS 3685:Cl-13
66	CHEMICAL- METALS & ALLOYS	Copper and Copper Base Alloys	Zinc	IS 4027(Part-6):
67	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Aluminium	ASTM E415
68	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Aluminium	IS 8811
69	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Boron	ASTM E415
70	CHEMICAL- METALS & ALLOYS	Low Alloy steel	Boron	IS 8811:1998
71	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	ASTM E415
72	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 228 (Part-1)
73	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Carbon	IS 8811

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74	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	ASTM E415
75	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 228 (Part-6)
76	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Chromium	IS 8811
77	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	ASTM E415
78	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 228 (Part-15)
79	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 228 (Part-21)
80	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Copper	IS 8811
81	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	ASTM E415: 2017
82	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 228 (Part-2)
83	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Manganese	IS 8811
84	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	ASTM E415
85	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 228(Part-10)
86	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Molybdenum	IS 8811
87	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	ASTM E415
88	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS 8811
89	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nickel	IS:228 (Part-5)
90	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	ASTM E415
91	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Niobium	IS 8811
92	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Nitrogen	IS 228(Part-23)

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93	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 228 (Part-3)
94	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorous	IS 8811
95	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Phosphorus	ASTM E415
96	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	ASTM E415
97	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 228 (Part-8)
98	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Silicon	IS 8811
99	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	ASTM E415
100	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 228 (Part-9)
101	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Sulphur	IS 8811
102	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E350
103	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	ASTM E415: 2017
104	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Titanium	IS 8811
105	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Tungsten	IS 228 (Part-16)
106	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	ASTM E415
107	CHEMICAL- METALS & ALLOYS	Low Alloy Steel	Vanadium	IS 8811
108	CHEMICAL- METALS & ALLOYS	Plain Carbon	Carbon	IS 228 (Part-1)
109	CHEMICAL- METALS & ALLOYS	Plain Carbon	Manganese	ASTM E350
110	CHEMICAL- METALS & ALLOYS	Plain carbon	Manganese	IS 228 (Part-2)
111	CHEMICAL- METALS & ALLOYS	Plain carbon	Phosphorous	IS 228 (Part-3)

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112	CHEMICAL- METALS & ALLOYS	Plain Carbon	Silicon	IS 228 (Part-8)
113	CHEMICAL- METALS & ALLOYS	Plain Carbon	Sulphur	IS 228 (Part-9)
114	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Aluminium	ASTM E415
115	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Aluminium	IS 8811
116	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Boron	ASTM E415
117	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Boron	IS 8811
118	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Carbon	ASTM E415
119	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel	Carbon	IS 8811
120	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Chromium	ASTM E415
121	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Chromium	IS 8811
122	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Copper	ASTM E415
123	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel	Copper	IS 8811
124	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Manganese	ASTM E415
125	CHEMICAL- METALS & ALLOYS	Plain Carbon Steel	Manganese	IS 8811
126	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Molybdenum	ASTM E415
127	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Molybdenum	IS 8811
128	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Nickel	ASTM E415
129	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Nickel	IS 8811
130	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Niobium	ASTM E415

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131	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Niobium	IS 8811
132	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Nitrogen	IS 228(Part-23)
133	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Phosphorous	IS 8811
134	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Phosphorus	ASTM E415
135	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Silicon	ASTM E415
136	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Silicon	IS 8811
137	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Sulphur	ASTM E415
138	CHEMICAL- METALS & ALLOYS	Plain carbon steel	Sulphur	IS 8811
139	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Titanium	ASTM E415
140	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Titanium	IS 8811
141	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Vanadium	ASTM E415
142	CHEMICAL- METALS & ALLOYS	Plain Carbon steel	Vanadium	IS 8811
143	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	ASTM E1086
144	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 228(Part-1)
145	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon	IS 9879
146	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	ASTM E1086
147	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium	IS 228 (Part-6)
148	CHEMICAL- METALS & ALLOYS	Stainless steel	Chromium	IS 9879
149	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	ASTM E1086

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150	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 228 (Part-15)
151	CHEMICAL- METALS & ALLOYS	Stainless Steel	Copper	IS 228(Part-21)
152	CHEMICAL- METALS & ALLOYS	Stainless steel	Copper	IS 9879
153	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	ASTM E1086
154	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese	IS 228 (Part-2)
155	CHEMICAL- METALS & ALLOYS	Stainless steel	Manganese	IS 9879
156	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	ASTM E1086
157	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 228 (Part-10)
158	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum	IS 228 (Part-7)
159	CHEMICAL- METALS & ALLOYS	Stainless steel	Molybdenum	IS 9879
160	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	ASTM E1086
161	CHEMICAL- METALS & ALLOYS	Stainless steel	Nickel	IS 9879
162	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel	IS:228 (Part-5)
163	CHEMICAL- METALS & ALLOYS	Stainless steel	Nitrogen	IS 228(Part-23)
164	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	ASTM E1086
165	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorous	IS 228 (Part-3)
166	CHEMICAL- METALS & ALLOYS	Stainless steel	Phosphorous	IS 9879
167	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	ASTM E1086
168	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon	IS 228 (Part-8)

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169	CHEMICAL- METALS & ALLOYS	Stainless steel	Silicon	IS 9879
170	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	ASTM E1086
171	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur	IS 228 (Part-9)
172	CHEMICAL- METALS & ALLOYS	Stainless steel	Sulphur	IS 9879
173	CHEMICAL- METALS & ALLOYS	Stainless Steel	Tungsten	IS 228(Part-16)
174	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS : 3495 (Part-1)
175	MECHANICAL- BUILDINGS MATERIALS	Bricks & CC Cubes	Compressive Strength	IS 3495 (Part 1)
176	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy stee	Face Bend(Mandrel Diameter for face bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 3600
177	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy Steel casting)	Pull Out Test	IS 2770 (Part - 1)
178	MECHANICAL- MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet Weld Fracture	IS 7307 (Part1)

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179	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend test(Mandrel Diameter for bend test (in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51, 56,60,64,65,70,72,75,80,84,90 ,96,100,108,112,120,125,128, 136,140,144,1 50,160,168,175,180,192,196,2 00,204,216,224,240,252,256,2 70,280,288,320,360	IS 7307 (Part-1)
180	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend test(Mandrel Diameter for side bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,1 6,18,20,24,25,28,30,32,3 5,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,12 0,125,128,136,140,144,1 50,160,168,175,180,192, 196,200,204,216,224,240 ,252,256,270,280,288,32 0,360	IS 7310 Part-1
181	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Face bend (Mandrel Diameter for bend test (in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51, 56,60,64,65,70,72,75,80,84,90 ,96,100,108,112,120,125,128, 136,140,144,1 50,160,168,175,180,192,196,2 00,204,216,224,240,252,256,2 70,280,288,320,360	IS 7307 (Part-1)

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182	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Face Bend(Mandrel Diameter for side bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 7310 Part-1
183	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Root Bend test (Mandrel Diameter for bend test (in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80,84,90,96,100,108,112,120,125,128, 136,140,144,150,160,168,175,180,192,196,200,204,216,224,240,252,256,270,280,288,320,360	IS 7307 (Part-1)
184	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Elongation	ASTM A 370
185	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Elongation	IS 1608 Part-1
186	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Elongation	ISO 6892
187	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Elongation	ISO 898-1
188	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Reduction in Area	ASTM A 370
189	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Reduction in Area	IS 1608 Part-1

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190	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Reduction in Area	ISO 6892
191	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	% Reduction in Area	ISO 898-1
192	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.1% Proof Stress	ASTM A 370
193	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.1% Proof Stress	IS 1608 Part-1
194	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.1% Proof Stress	ISO 6892
195	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.1% Proof Stress	ISO 898-1
196	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.2% Proof Stress	ASTM A 370
197	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.2% Proof Stress	IS 1608 Part-1
198	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.2% Proof Stress	ISO 6892
199	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.2% Proof Stress	ISO 898-1
200	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.5% Proof Stress	ASTM A 370
201	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.5% Proof Stress	IS 1608 Part-1
202	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.5% Proof Stress	ISO 6892
203	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	0.5% Proof Stress	ISO 898-1

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204	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 1367 (Part-5)
205	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 1835
206	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 2121 (Part-1 to 4)
207	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 2486 (Part-1 to 4)
208	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 5561
209	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 6594
210	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend of Insulator fittings & Locking Device/G.I. Stay Set, LT Pin, MS Hardware Fittings	IS 7935
211	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend Test (Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	ASME Sex-IX
212	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend test (Mandrel Diameter for bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2,1.5,1.7,2,4,6,8,10,12,15,16 ,18,20,24,25,28,30,32,35,36,4 0,42,44,48,50,51, 56,60,64,65,70,72,75,80,84,90 ,96,100,108,112,120,125,128, 136,140,144,150,160,168,175, 180,192,196,200,204,216,224, 240,252,256,270,280,288,320, 360	ASME Sec-IX

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213	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend Test(Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	ASTM A370
214	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend Test(Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	IS 1599
215	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend Test(Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	IS 2329

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216	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend test(Mandrel Diameter for bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 2825
217	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Bend test(Mandrel Diameter for bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 3600
218	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Breaking Load	ASTM A 370
219	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Breaking Load	IS 1608 (Part-1)
220	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Breaking Load	ISO 6892
221	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Breaking Load	ISO 898-1
222	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Brinell Hardness test (10/3000) and (5/750)	ASTM A370
223	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Camber Test	IS 1730

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224	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Camber Test	IS 1732
225	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Camber Test	IS 1852
226	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Camber Test	IS 808
227	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Charpy Impact U & V-notch [Ambient to -180 Degree C	ASTM A370
228	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Charpy Impact U & V-notch [Ambient to -180 Degree C	IS 1499
229	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Charpy Impact U & V-notch [Ambient to -180 Degree C	IS 1757 (Part-1)
230	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Cupping Test	IS 10175
231	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 1367 (Part-5)
232	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 1835
233	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 2121 (Part-1 to 4)
234	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 2141
235	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 2486 (Part-1 to 4)
236	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 5561
237	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 6594

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238	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension	IS 7935
239	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 1161
240	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 1730
241	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 1732
242	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 1786
243	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 1852
244	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 2830
245	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 2831
246	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension test	IS 3601
247	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 4923
248	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 808
249	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dimension Test	IS 9295
250	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Drift Expansion test for Tube, Socket	IS 2335
251	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	ASTM A193M

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252	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	ASTM A194M
253	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	ASTM A370
254	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	IS 10102
255	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	IS 1148
256	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	IS 1367 (Part-3)
257	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	IS 1367 Part-6
258	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	ISO 8981
259	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Dump Test	ISO 898-2
260	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Face Bend(Mandrel Diameter for face bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	ASME Sec-IX
261	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	ASME Sec-IX
262	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	ASTM A370

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263	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	IS 2825
264	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	IS 3600
265	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	IS 7310 Part-1
266	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	IS 7318 Part-2
267	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Fillet weld Fracture	IS 817
268	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Flattening test of pipe	ASTM A 370
269	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Flattening test of pipe	IS 2328
270	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	ASTM A193M
271	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	ASTM A194M
272	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	ASTM A370
273	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	IS 10102
274	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	IS 1148
275	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	IS 1367 Part-3
276	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	ISO 8981

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277	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Head Soundness	ISO 898-2
278	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Izod Impact (V-Notch)	IS 1598
279	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Lay Ratio and Lay Length	IS 1835
280	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Lay Ratio and Lay Length	IS 2121 (Part-1 to 4)
281	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Lay Ratio and Lay Length	IS 2141
282	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	lay Ratio and lay Length	IS 2486 (Part-1 to 4)
283	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Lay Ratio and Lay Length	IS 5561
284	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Lay Ratio and Lay Length	IS 6594
285	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Lay Ratio and Lay Length	IS 7935
286	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick break	ASME Sec-IX
287	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	ASME Sex-IX
288	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	ASTM A370
289	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	IS 2329
290	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	IS 2825

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291	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	IS 3600
292	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	IS 7310 Part-1
293	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick Break	IS 7318 Part-2
294	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Nick break	IS 7307 (Part1)
295	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Permanent Set & Load test of spring washer	IS 3063 :(Cl.No-11.2 & 11.3)
296	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ASTM A193M
297	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ASTM A194M
298	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ASTM A370
299	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ASTM F606/F606M
300	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	IS 10102
301	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	IS 1148
302	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	IS 1367 Part-3
303	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	IS 1367 Part-6
304	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ISO 898-1

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305	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ISO 898-1
306	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Proof Load Test of Bolts	ISO 898-2
307	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Rebend	IS 1786
308	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Reverse Bend	IS 1716
309	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Rockwell Hardness test (B Scale)	ASTM A370
310	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Rockwell Hardness test (B Scale)	IS 1586 Part-1
311	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Rockwell Hardness test (C Scale)	ASTM A370
312	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Rockwell Hardness test (C Scale)	IS 1586 Part-1
313	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Root Bend(Mandrel Diameter for root bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	ASME Sec-IX

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314	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Root Bend(Mandrel Diameter for root bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 2825
315	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Root Bend(Mandrel Diameter for root bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 7310 Part-1
316	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Root Bend(Mandrel Diameter for root bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,Root Bend(Mandrel Diameter for root bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,	IS 3600

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317	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend (Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	IS 7318 Part-2
318	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side bend test(Mandrel Diameter for side bend test(in mm)- 0.2, 0.5, 0.7,1.0, 1.2,1.5,1.7,2,4,6,8,10,12,15,16 ,18,20,24,25,28,30,32,35,36,,4 0,42,44,48,50,,51, 56,60,64,65,70,72,75,80,84,90 ,96,100,108,112,120,125,128, 136,140,144,150,160,168,175, 180,192, 196,200,204,216,224,240,252, 256,270,280,288,32 0,360)	IS 7307 (Part1)
319	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	ASTM A370
320	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	IS 2329

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321	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for bend test(in mm)- (0.2, 0.5, 0.7, 1.0,1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18, 20,24,25,28,30,32,35,36,,40,4 2,44,48,50,,51,56,60,64,65,70, 72,75,80, 84,90,96,100,108,112,120,125 ,128,136,140,144,150,160,168 ,175,180,192,196,200,204,216 ,224,240 ,252,256,270,280,288,320,360	IS 2825
322	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,1 6,18,20,24,25,28,30,32,3 5,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,12 0,125,128,136,140,144,1 50,160,168,175,180,192, 196,200,204,216,224,240 ,252,256,270,280,288,32 0,360	IS 2825
323	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,1 6,18,20,24,25,28,30,32,3 5,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,12 0,125,128,136,140,144,1 50,160,168,175,180,192, 196,200,204,216,224,240 ,252,256,270,280,288,32 0,360	IS 3600

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324	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2,1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,40,42,44,48,50,51, 56,60,64,65,70,72,75,80,84,90,96,100,108,112,120,125,128, 136,140,144,150,160,168,175, 180,192,196,200,204,216,224, 240,252,256,270,280,288,320, 360	ASME Sec-IX
325	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Side Bend(Mandrel Diameter for side bend test(in mm)- 0.2, 0.5, 0.7, 1.0, 1.2, 1.5,1.7,2,4,6,8,10,12,15,16,18,20,24,25,28,30,32,35,36,,40,42,44,48,50,,51, 56,60,64,65,70,72,75,80, 84,90,96,100,108,112,120,125,128,136,140,144,150,160,168,175,180,192, 196,200,204,216,224,240,252,256,270,280,288,320,360	IS 7310 Part-1
326	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 1367 Part-5
327	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 1835
328	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 2121 (Part-1 to 4)
329	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 2141
330	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 2486 (Part-1 to 4)
331	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 5561

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332	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 6594
333	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Slip Load test	IS 7935
334	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Strength	ASTM A 370
335	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Strength	IS 1608 Part-1
336	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Strength	ISO 6892
337	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Strength	ISO 898-1
338	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile test	ASME Sec-IX
339	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile test	IS 2825
340	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile test	IS 3600
341	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile test	IS 7307 (Part-1)
342	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile test	IS 7310 Part-1
343	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	ASTM A193M
344	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	ASTM A194M
345	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	ASTM A370

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346	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	IS 10102
347	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	IS 1148
348	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	IS 1367 Part-3
349	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	ISO 898-1
350	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Tensile Test for Bolt	ISO 898-2
351	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Torsion test of Wire	IS 1717
352	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Torsion test of Wire	ISO 7800
353	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Transverse Tensile test	ASTM A370
354	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Transverse Tensile test	IS 1608 Part-1
355	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Twist test of Washer	IS 3063 :(Cl.No-11.4)
356	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/10)	ASTM E92
357	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/10)	IS 1501 Part-1
358	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/10)	ISO 6507-1
359	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/10)	ISO 6507-2

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360	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/30)	ASTM E92
361	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/30)	IS 1501 Part-1
362	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/30)	ISO 6507-1
363	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/30)	ISO 6507-2
364	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/5)	ASTM E92
365	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/5)	IS 1501 Part-1
366	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/5)	ISO 6507-1
367	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Vickers Hardness test (HV/5)	ISO 6507-2
368	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 1367 Part-5
369	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 1835
370	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 2121 (Part-1 to 4)
371	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 2141
372	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 2486 (Part-1 to 4)
373	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 5561

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374	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 6594
375	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Visual Examination	IS 7935
376	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	ASTM A193M
377	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	ASTM A194M
378	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	ASTM A370
379	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	IS 1367 Part-3
380	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	IS 1367 Part-6
381	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	ISO 8981
382	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wedge Load	ISO 898-2
383	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wrapping test of wire	ASTM A370
384	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Wrapping test of wire	IS 1755
385	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Yield Stress (Point Drop Method)	ASTM A 370
386	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Yield Stress (Point Drop Method)	IS 1608 Part-1
387	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Yield Stress (Point Drop Method)	ISO 6892

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388	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Materials (Stainless Steel, Carbon Steel & Low Alloy steel-casting)	Yield Stress (Point Drop Method)	ISO 898-1
389	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	ASTM A 370
390	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	IS 1608 Part-1
391	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	ISO 6892
392	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Elongation	ISO 898-1
393	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Reduction in Area	ASTM A 370
394	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Reduction in Area	IS 1608 Part-1
395	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Reduction in Area	ISO 6892
396	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	% Reduction in Area	ISO 898-1
397	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.1% Proof Stress	ASTM A 370
398	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.1% Proof Stress	IS 1608 Part-1
399	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.1% Proof Stress	ISO 6892
400	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.1% Proof Stress	ISO 898-1
401	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	ASTM A 370

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402	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	IS 1608 Part-1
403	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	ISO 6892
404	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.2% Proof Stress	ISO 898-1
405	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	ASTM A 370
406	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	BS EN 10002-1
407	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	IS 1608 Part-1
408	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	ISO 6892
409	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	0.5% Proof Stress	ISO 898-1
410	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Reverse Bend	JSS 9535
411	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness test (B Scale)	ASTM A370
412	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Rockwell Hardness test (B Scale)	IS 1586 Part-1
413	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	ASTM A 370
414	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	IS 1608 Part-1
415	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Tensile Strength	ISO 898-1

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416	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/10)	ASTM E92
417	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/10)	IS 1501 Part-1
418	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/10)	ISO 6507-1
419	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/10)	ISO 6507-2
420	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/30)	ASTM E92
421	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/30)	IS 1501 Part-1
422	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/30)	ISO 6507-1
423	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/30)	ISO 6507-2
424	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/5)	ASTM E92
425	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/5)	IS 1501 Part-1
426	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/5)	ISO 6507-1
427	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Vickers Hardness test (HV/5)	ISO 6507-2
428	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Yield Stress (Point Drop Method)	ASTM A 370
429	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Yield Stress (Point Drop Method)	BS EN 10002-1

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430	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Yield Stress (Point Drop Method)	IS 1608 Part-1
431	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Non Ferrous Materials	Yield Stress (Point Drop Method)	ISO 6892
432	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Spring	Compression Load	IS 7906(Part-2
433	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloy	Case Depth of steel	IS 6416:Cl-8
434	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloy	Coating thickness (Ag, Sn, Zn, Cd, Cu, Ni & Cr)	ASTM B487
435	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloy	Coating thickness (Ag, Sn, Zn, Cd, Cu, Ni & Cr)	IS 1359
436	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloy	Coating thickness (Ag, Sn, Zn, Cd, Cu, Ni & Cr)	IS 3203
437	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloy	Depth of Decarburization in steel	ASTM E1077
438	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Macro Structural Examination	IS 12573
439	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Depth of Decarburization in steel	IS 6396
440	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Grain Size	ASM Metal Handbook Vol-7 & 9
441	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Grain Size	ASTM E112
442	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Grain Size	ASTM E1382:97
443	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Grain Size	IS 4748
444	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Macro Structural Examination	ASM Volume 7 & 9
445	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Macro Structural Examination	ASTM E381-01
446	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Macro Structural Examination	IS 11371
447	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Macro Structural Examination	IS 13015

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448	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Micro Structural Examination	ASM Metal Handbook Vol. 7 & 9
449	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Non-metallic Inclusion	ASTM E45
450	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Non-metallic Inclusion	IS 4163
451	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Sulphur Print	IS 12037
452	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Coating thickness (Ag, Sn, Zn, Cd, Cu, Ni & Cr)	ASTM B487-85
453	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Coating thickness (Ag, Sn, Zn, Cd, Cu, Ni & Cr)	IS 1359
454	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Coating thickness (Ag, Sn, Zn, Cd, Cu, Ni & Cr)	IS 3203
455	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Grain Size	ASM Metal Handbook Vol. 7 & 9
456	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Grain Size	ASTM E112
457	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Grain Size	IS 4748
458	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Macro Structural Examination	ASM Volume 7 & 9
459	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Macro Structural Examination	ASTM E381-01
460	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Macro Structural Examination	IS 11371
461	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Macro Structural Examination	IS 12573
462	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Macro Structural Examination	IS 13015
463	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Mercurous Nitrate test	IS 2305
464	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Mercurous Nitrate test	JSS 9535-2
465	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Micro Structural Examination	ASM Metal Handbook Vol. 7 & 9
466	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Micro Structural Examination	ASTM A247

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467	MECHANICAL-METALLOGRAPHY TEST	Non Ferrous Metals & Alloys	Micro Structural Examination	IS 7754