National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : RANDACK FASTENERS INDIA PVT. LTD. MATERIAL TESTING LAB., GAT NO 1197, GHOTAWADE PHATA, PIRANGUT, PUNE, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6567 **Page No** 1 of 5

Validity 11/03/2023 to 10/03/2025 **Last Amended on** -

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- CORROSION TESTS	All Metals & Alloys	Salt Spray Test	ISO 9227
2	CHEMICAL- CORROSION TESTS	All Metals & Alloys	Salt SprayTest	ASTM B 117
3	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Boron (B)	ASTM E 415
4	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Boron (B)	IS 8811
5	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Carbon (C)	ASTM E 415
6	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Carbon (C)	IS 8811
7	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Chromium (Cr)	ASTM E 415
8	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Chromium (Cr)	IS 8811
9	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Copper (Cu)	ASTM E415
10	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Copper (Cu)	IS 8811
11	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Manganese (Mn)	ASTM E 415
12	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Manganese (Mn)	IS 8811
13	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Molybdenum (Mo)	ASTM E415
14	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Molybdenum (Mo)	IS 8811
15	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Nickel (Ni)	ASTM E 415
16	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Nickel (Ni)	IS 8811
17	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Phosphorus (P)	ASTM E 415
18	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Phosphorus (P)	IS 8811

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19	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Silicon (Si)	ASTM E415
20	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Silicon (Si)	IS 8811
21	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Sulphur (S)	ASTM E 415
22	CHEMICAL- METALS & ALLOYS	Low Carbon Steel & Alloy	Sulphur (S)	IS 8811
23	CHEMICAL- METALS & ALLOYS	Stainless Steel	Carbon (C)	ASTM E 1086
24	CHEMICAL- METALS & ALLOYS	Stainless steel	Carbon (C)	IS 9879
25	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	ASTM E 1086
26	CHEMICAL- METALS & ALLOYS	Stainless Steel	Chromium (Cr)	IS 9879
27	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	ASTM E 1086
28	CHEMICAL- METALS & ALLOYS	Stainless Steel	Manganese (Mn)	IS 9879
29	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	ASTM E 1086
30	CHEMICAL- METALS & ALLOYS	Stainless Steel	Molybdenum (Mo)	IS 9879
31	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	ASTM E 1086
32	CHEMICAL- METALS & ALLOYS	Stainless Steel	Nickel (Ni)	IS 9879
33	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	ASTM E 1086
34	CHEMICAL- METALS & ALLOYS	Stainless Steel	Phosphorus (P)	IS 9879
35	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	ASTM E 1086
36	CHEMICAL- METALS & ALLOYS	Stainless Steel	Silicon (Si)	IS 9879
37	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	ASTM E 1086

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38	CHEMICAL- METALS & ALLOYS	Stainless Steel	Sulphur (S)	IS 9879
39	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Fasteners (Bolt & Stud)	Proof Load Test for Bolt & Stud	ISO 898 - 1
40	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Fasteners - Nut	Proof Load Test (For Nut)	ISO 898 -2
41	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Fasteners - Nut / Stud / Bolt	Determination of Carburization & Decarburization of Bolts, Screws & Studs by Micro Vickers Hardness method (HV0.3)	ISO 898-1 (Clause No-9.10.3)
42	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Fasteners - Nut / Stud / Bolt	Torque Tension Test - Coefficient of Total Friction (μ-TOT)	ISO 16047 (Amendment-1)
43	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Fasteners - Nut / Stud / Bolt	Torque Tension Test - Clamping Force	ISO 16047 (Amendment-1)
44	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	% Elongation	IS 1608-1
45	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	% Elongation	ISO 6892-1
46	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	% Reduction in Area	IS 1608 -1
47	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	%Reduction in Area	ISO 6892-1
48	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	0.2% Proof Stress	IS 1608-1
49	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	0.2% Proof Stress	ISO 6892-1
50	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Brinell Hardness Test (10/3000)	ASTM E 10

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51	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Brinell Hardness Test (10/3000)	ISO 6506-1
52	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Brinell Hardness Test (5 / 750)	ASTM E10
53	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Brinell Hardness Test (5 / 750)	ISO 6506 -1
54	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Charpy Impact Test (Ambient to -110 Deg C)	ISO 148 -1
55	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Micro Vickers Hardness Test - HV0.3	ASTM E384
56	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Rockwell Hardness Test	ASTM E 18
57	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Rockwell Hardness Test	IS 1586 - 1
58	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Rockwell Hardness Test	ISO 6508 -1
59	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Ultimate Tensile Strength	IS 1608-1
60	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Ultimate Tensile Strength	ISO 6892-1
61	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Vickers Hardness Test - HV10	ASTM E 92
62	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Vickers Hardness Test - HV10	ISO 6507 -1
63	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Vickers Hardness Test - HV30	ASTM E 92
64	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Vickers Hardness Test - HV30	ISO 6507 - 1

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65	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Yield Strength	IS 1608 -1
66	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Ferrous Metals & Alloys	Yield Strength	ISO 6892-1
67	MECHANICAL-MECHANICAL PROPERTIES OF METALS	Steels	Effective Case Depth measurement by Micro Vickers hardness method (HV1 & HV0.3)	IS 6416
68	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	Average Grain Size Measurement by Comparison Method	ASTM E 112
69	MECHANICAL-METALLOGRAPHY TEST	Ferrous Metals & Alloys	General Microstructure Examination	ASM Handbook Vol 9
70	MECHANICAL-METALLOGRAPHY TEST	Steels	Coating Thickness measurement by Microscopic Method (Magnification 50 to 500 X)	ASTM B 487
71	MECHANICAL-METALLOGRAPHY TEST	Steels	Coating Thickness measurement by Microscopic Method (Magnification 50 to 500 X)	ISO 1463
72	MECHANICAL-METALLOGRAPHY TEST	Steels	Depth of Decarburization By Microscopic method (Magnification 50 to 500X)	ASTM E 1077
73	MECHANICAL-METALLOGRAPHY TEST	Steels	Depth of Decarburization By Microscopic method (Magnification 50 to 500X)	IS 6396
74	MECHANICAL-METALLOGRAPHY TEST	Steels	Non Metallic Inclusion Rating by Method “A”	ASTM E 45
75	MECHANICAL-METALLOGRAPHY TEST	Steels	Non Metallic Inclusion Rating by Method “A”	IS 4163
76	MECHANICAL-METALLOGRAPHY TEST	Steels	Total Case Depth by Microscopic Method (Magnification 50 to 500 X)	IS 6416