

Hardness

No.	Quantity, Measuring Instrument, Material Measure	Range	Best Measurement Capability lab(±)
1	Hardness Machine (Rockwell, Brinell, Vickers) Direct Method	2 to 3000 kg.f	0.5% rdg
2	Hardness Machine Indenter	Diameter: 1 to 13 mm Angle: 136°, 120°	0.05 mm 30'
3	Rockwell Hardness Machine Indirect Method	20 – 70 HRC 60 – 100 HRB 45 – 95 HRA	0.5% HRC 0.5% HRB 0.5% HRA
4	Brinell Hardness Machine Indirect Method	110 – 240 HB2.5/187.5	1.6 rdg
5	Vickers Hardness Machine Indirect Method	190 – 830 HV30 195 – 745 HV5	2% rdg
6	Rockwell Hardness Block	20 – 70 HRC 60 – 95 HRB 62 – 82 HRA	0.5% HRC 0.5% HRB 0.5% HRA
7	Brinell Hardness Block	110 – 420 HB 2.5/187.5	1.6% rdg
8	Vickers Hardness Block	190 – 830 HV30	2% rdg