

Working Procedure – Rockwell Hardness Testing Machine

- 1) Check - Level of Machine should be proper.
- 2) Check - Machine should be in unload condition.
- 3) Check - Indenter Placement.
- 4) Check - Dial's hands should be stationary.
- 5) Select - Proper Indenter according to Table A.
- 6) Select - Proper Load according to Table A.
- 7) Select - Specimen Table as per shape of Specimen.
- 8) Put Specimen on Specimen Table.
- 9) Bring Specimen in contact of indenter and keep moving up till small pointer in dial comes up to Red Dot.
- 10) Switch Load Lever in Load Position.
- 11) Wait till pointer becomes steady, after 2 sec. switch Load lever in Unload Position.
- 12) Read reading on dial for given scale according to table A.

Table A

SCALE	LOAD	INDENTOR	DIAL SCALE
HRA	60 Kgf	DIAMOND	BLACK
HRB	100 Kgf	1/16 BALL	RED
HRC	150 Kgf	DIAMOND	BLACK