

Equipment	Range Covered
CBR Proving rings/ proving column	0 to 1000 k.N
Smith hammer/rebound hammer/concrete hammer	Type L, Type N and Type M
Rockwell Hardness	HR A, HR B, HR C, HR D, HR E, HR F, HR G, HR H, HR K, HR L, HR M, HR 15 N, HR 30 N, HR 45 N, HR P, HR R, HR S, HR 15 T, HR 30T, HR 45 T, HR V, HR15 W, HR30 W, HR45 W, HR15 X, HR30 X, HR45 X, HR15 W, HR15 Y, HR30 Y, HR45 Y,
Brinell Hardness	HBØ1.0, HBØ1.25, HBØ2.5, HBØ5.0, HBØ10.0,
Vickers Hardness	HV1, HV2, HV3, HV5, HV10, HV20, HV30, HV40, HV50, HV100 and HV120
Dynamometers	0 to 1000 k.N
Cable Tensiometer	0 to 500 LBS

Contact

Head of Laboratory – Force, Torque and Hardness
KEBS HQ, Popo Road, off Mombasa Road, Nairobi.
Email: info.metrology@kebs.org



***The Force, Torque, and Hardness
Laboratory is dedicated to realizing
the SI unit of force (Newton)
through cutting-edge technology***



FORCE, TORQUE AND HARDNESS LABORATORY

Introduction

The Force, Torque and Hardness Laboratory is one of the Metrology Laboratories set up at the Kenya Bureau of Standards. The laboratory realizes the S.I unit of force (Newton) in the Kenya Bureau of Standards force laboratory by using the 1MN Multi-Lever Force Standard Machine. The dissemination of the Unit (N) in the organization (KEBS), in the Kenyan industry and other African countries. Calculation of uncertainty of measurement in Force, Torque and Hardness measurement.



The laboratory realizes the S.I unit of force (Newton) in the Kenya Bureau of Standards force laboratory by using the 1MN Multi-Lever Force Standard Machine.

KEBS Calibration Services Offered (Force, Torque and Hardness)

Equipment	Range Covered
Force transducers tension and compression	0 to 5 MN
Testing machine tension and compression	0 to 5 MN
Flat crush tester	0 to 50 k.N
Box Compression machine	0 to 100 k.N
Load testing machine	0 to 1000 k.N
Universal testing machine tension / compression	0 to 5 MN
Torque transducers	0 to 3000 N.m
Torque wrench	0 to 3000 N.m
Torque meter	0 to 2000 N.m
Torque watch	0 to 100 N.m
Torque gauge	0 to 100 N.m
Aircraft Weighing kit	0 to 500 k.N