

CALIBRATION CERTIFICATE

CC173133



Redstone Calibration Services

51 The Freelands

Main Road, Kempsey

Worcester, WR5 3NB

Telephone: 01905 821911 Email: info@redstonecal.co.uk

Website: www.redstonecalibration.co.uk

Company

H&R Limited

Unit 30, Pheonix Ind. Est.

Charles Street

West Bromwich

B70 0AY

Calibration Date	23-Mar-17
Machine Model and Serial No.	Innovatest 600MDBL 5186
Indenter Serial No.	107458

Test Block	Test block Serial No.	Readings					Average	Range	Error	Pass/Fail
65.00 HRC \pm 0.5	EP17193753B	64.5	64.6	64.7	64.8	64.7	64.66	0.3	-0.34	Passed
46.30 HRC \pm 1.0	EP17193752B	45.6	45.6	45.6	45.7	45.5	45.60	0.2	-0.70	Passed
25.10 HRC \pm 1.0	EP17193749B	25.3	25.3	25.5	25.4	25.6	25.42	0.3	0.32	Passed

Remarks UKAS accredited Laboratory No 0441 Test Blocks were used for this calibration. Full load dwell time 3.5 seconds, which meets ASTM E18 / BS EN ISO 6508. These readings were recording in accordance with the requirements of ASTM E 18 clause A.1.4.9.2 / BS EN ISO 6508 clause 5.2.2. This calibration meets requirements for error and repeatability of ASTM E18 / BS EN ISO 6508.

This is to certify that the Hardness Tester & Indenter above gave the indirectly verified results using Test Blocks traceable to ASTM E18-15 BS EN ISO 6508:2015 Hardness Levels.

TRACEABILITY : Standardised Test Blocks & Indenters used comply to the requirements of ASTM E18-15 having hardness scales traceable to the NATIONAL INSTITUTE of STANDARDS & TECHNOLOGY (NIST) USA, also UK National Standards as defined by INSTITUTO DI MEROLOGIA G COLLONETTI (IMGC) Italy.

p.p. Redstone Calibration Services

Signed

A handwritten signature in black ink that reads 'J. Lewis'. The signature is written in a cursive style and is positioned above a faint, light-colored rectangular stamp or background.