


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p><b>0103</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3>Broomfield Carbide Gauges Limited</h3> <p><b>Issue No:012    Issue date: 17 August 2010</b></p>	
	<p><b>Brigg Mills</b> 3 The Cobbles Meltham Holmfirth HD9 6PL</p>	<p><b>Contact: Mrs S Pearson</b> <b>Tel: +44 (0)1484 665599</b> <b>Fax: +44 (0)844 504 6692</b> <b>E-Mail: info@broomfieldgauges.com</b> <b>Website: www.broomfieldgauges.com</b></p>
<p><b>Calibration performed at the above address only</b></p>		

### DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( $k=2$ )	Remarks
<p>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</p>			
LENGTH			NOTES
Gauge blocks Inch (Steel, tungsten carbide, ceramic)	As BS 4311:2007	Class (See notes)	
	0 to 0.4 in	A B C D	
	0.4 in to 1in	1.0 2.0 3.0 4.0	
	2 in	1.5 2.5 4.0 5.0	
	3 in	2.5 3.5 5.0 7.0	$\mu$ in.
	4 in	3.0 4.5 6.0 8.0	
		3.5 5.0 7.0 10	
Millimetre (Steel, tungsten carbide, ceramic)	BS EN ISO 3650:1999	A B C D	
	0 to 10	0.030 0.050 0.080 0.10	
	10 in to 25	0.040 0.060 0.10 0.13	
	30, 40, 50	0.060 0.090 0.12 0.17	
	60, 70, 75	0.070 0.11 0.15 0.21	
	80, 90, 100	0.090 0.13 0.18 0.25	
<b>Interferometry</b>			
<p><b>Class A</b> uncertainties apply to the measurement of length by interferometry of grade K standards of length to BS 4311:2007 and BS EN ISO 3650:1999 when they are measured twice, wrung to a platen by each of the two measuring faces in turn, and the mean of these two measurements stated.</p>			
<p><b>Class B</b> uncertainties apply to the measurement of length by interferometry of grade K standards of length to BS 4311:2007 and BS EN ISO 3650:1999 when they are measured once, wrung to a platen by, if not otherwise specified, the left hand (unmarked) measuring face.</p>			
<b>Comparison</b>			
<p><b>Class C</b> uncertainties apply to the measurement of length of gauges by comparison with grade K standards of length of a similar material. Class C uncertainties apply to new and used grade 0, 1 and 2 gauges to BS 4311:2007 and BS EN ISO 3650:1999.</p>			
<p><b>Class D</b> uncertainties represent the best capability for the measurement of length of gauges by comparison with K grade standards of length of a dissimilar material.</p>			
<p>END</p>			