


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p style="margin: 0;"><b>0155</b></p> <p style="margin: 0;">Accredited to <b>ISO/IEC 17025:2005</b></p>	<b>Alan Browne Gauges Limited</b>	
	<b>Issue No: 019</b> <b>Issue date: 24 August 2010</b>	
<b>Blackdown Mill</b> <b>Kenilworth Road</b> <b>Leamington Spa</b> <b>Warwickshire</b> <b>CV32 6QT</b>	<b>Contact: Mr J Maclellan</b> <b>Tel: +44 (0)1926-424278</b> <b>Fax: +44 (0)1926-451865</b> <b>E-Mail: jmaclellan@alanbrowne.co.uk</b> <b>Website: www.alanbrowne.co.uk</b>	
<b>Calibration performed at the above address only</b>		

### DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( <i>k</i> =2)	Remarks																										
<b>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</b>																													
<b>LENGTH</b>  Gauge blocks  Inch (steel and tungsten carbide)	As BS 4311:2007  0.010 in to 0.4 in 0.4 in to 1 in Size 2 in Size 3 in Size 4 in	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">B</td> <td style="text-align: center;">C</td> <td style="text-align: center;">D</td> <td rowspan="6" style="font-size: 2em; vertical-align: middle;">}</td> <td rowspan="6" style="vertical-align: middle;">μ in.</td> </tr> <tr> <td style="text-align: center;">1.0</td> <td style="text-align: center;">2.0</td> <td style="text-align: center;">3.0</td> <td style="text-align: center;">4.0</td> </tr> <tr> <td style="text-align: center;">1.5</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">4.0</td> <td style="text-align: center;">5.0</td> </tr> <tr> <td style="text-align: center;">2.5</td> <td style="text-align: center;">3.5</td> <td style="text-align: center;">5.0</td> <td style="text-align: center;">7.0</td> </tr> <tr> <td style="text-align: center;">3.0</td> <td style="text-align: center;">4.5</td> <td style="text-align: center;">6.0</td> <td style="text-align: center;">8.0</td> </tr> <tr> <td style="text-align: center;">3.5</td> <td style="text-align: center;">5.0</td> <td style="text-align: center;">7.0</td> <td style="text-align: center;">10</td> </tr> </table>	A	B	C	D	}	μ in.	1.0	2.0	3.0	4.0	1.5	2.5	4.0	5.0	2.5	3.5	5.0	7.0	3.0	4.5	6.0	8.0	3.5	5.0	7.0	10	
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Millimetre (steel and tungsten carbide)	As BS EN ISO 3650:1999  0.25 to 10 10 to 25 Sizes 30, 40, 50, 60, 70, 80, 80, 90, 100	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">B</td> <td style="text-align: center;">C</td> <td style="text-align: center;">D</td> </tr> <tr> <td style="text-align: center;">0.030</td> <td style="text-align: center;">0.050</td> <td style="text-align: center;">0.080</td> <td style="text-align: center;">0.10</td> </tr> <tr> <td style="text-align: center;">0.040</td> <td style="text-align: center;">0.060</td> <td style="text-align: center;">0.10</td> <td style="text-align: center;">0.13</td> </tr> <tr> <td style="text-align: center;">0.060</td> <td style="text-align: center;">0.090</td> <td style="text-align: center;">0.12</td> <td style="text-align: center;">0.17</td> </tr> <tr> <td style="text-align: center;">0.070</td> <td style="text-align: center;">0.11</td> <td style="text-align: center;">0.15</td> <td style="text-align: center;">0.21</td> </tr> <tr> <td style="text-align: center;">0.090</td> <td style="text-align: center;">0.13</td> <td style="text-align: center;">0.18</td> <td style="text-align: center;">0.25</td> </tr> </table>	A	B	C	D	0.030	0.050	0.080	0.10	0.040	0.060	0.10	0.13	0.060	0.090	0.12	0.17	0.070	0.11	0.15	0.21	0.090	0.13	0.18	0.25			
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<b>Interferometry</b>  <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.  <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.  <b>Comparison</b>  <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.  <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.																													



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Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ( <i>k</i> =2)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
FORM Optical flats	10 to 75 diameter	0.10 On flatness	
END			