


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0103</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Broomfield Carbide Gauges Limited</h3> <p>Issue No:011 Issue date: 04 November 2009</p>	
	<p>Unit 7 Crossley Mills New Mill Road Honley Holmfirth HD9 6PL</p>	<p>Contact: Mrs S Pearson Tel: +44 (0)1484 665599 Fax: +44 (0)1484 664982 E-Mail: info@broomfieldgauges.com Website: www.broomfieldgauges.com</p>
<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks																				
<p>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</p>																							
<p>LENGTH</p> <p>Gauge blocks Inch (Steel, tungsten carbide)</p>	<p>As BS 4311:2007</p> <p>Up to 0.4 in Above 0.4 in up to 1 in Size 2 in Size 3 in Size 4 in</p>	<p>Class (See notes)</p> <table style="border-collapse: collapse;"> <tr> <td style="text-align: center;">A</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 inches</td> </tr> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">1.5</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">2.5</td> <td style="text-align: center;">5</td> <td style="text-align: center;">7</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">6</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">3.5</td> <td style="text-align: center;">7</td> <td style="text-align: center;">10</td> </tr> </table>	A	C	D	}	μ inches	1	3	4	1.5	4	5	2.5	5	7	3	6	8	3.5	7	10	<p>NOTES</p> <p>1 All calibrations must be carried out in accordance with procedures agreed by UKAS.</p>
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<p>Millimetre (Steel, tungsten carbide)</p>	<p>BS EN ISO 3650:1999</p> <p>Up to 10 Above 10 in up to 25 Sizes 30, 40, 50 60, 70, 75 80, 90, 100</p>	<table style="border-collapse: collapse;"> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">C</td> <td style="text-align: center;">D</td> </tr> <tr> <td style="text-align: center;">.03</td> <td style="text-align: center;">.08</td> <td style="text-align: center;">.10</td> </tr> <tr> <td style="text-align: center;">.04</td> <td style="text-align: center;">.10</td> <td style="text-align: center;">.13</td> </tr> <tr> <td style="text-align: center;">.06</td> <td style="text-align: center;">.12</td> <td style="text-align: center;">.17</td> </tr> <tr> <td style="text-align: center;">.07</td> <td style="text-align: center;">.15</td> <td style="text-align: center;">.21</td> </tr> <tr> <td style="text-align: center;">.09</td> <td style="text-align: center;">.18</td> <td style="text-align: center;">.25</td> </tr> </table>	A	C	D	.03	.08	.10	.04	.10	.13	.06	.12	.17	.07	.15	.21	.09	.18	.25			
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<p>Interferometry</p> <p>Class A 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>Comparison</p> <p>Class C 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>Class D 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>																							