


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p><b>0307</b></p> <p>Accredited to <b>ISO/IEC 17025:2005</b></p>	<h3>Correct Gauge and Tool Services</h3> <p>Issue No:021    Issue date: 25 May 2011</p>	
	<p>No 7 Buffalo Road Lancashire Enterprises Business Park Centurian Way Leyland Near Preston PR26 6TZ</p>	<p>Contact: Mr P Duffy Tel: +44 (0)1772-422452 Fax: +44 (0)1772 422124 E-Mail: enquiries@correctgauge.co.uk Website: www.correctgauge.co.uk</p>
<p>Calibration performed by the Organisations at the locations specified below</p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code
<p><b>Address</b> No 7 Buffalo Road Lancashire Enterprises Business Park Centurian Way Leyland Near Preston PR26 6TZ</p> <p><b>Local contact</b> Mr P Duffy</p>	Dimensional, Torque	A

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>At customers premises</p> <p>Mr P Duffy</p>	Dimensional	B



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DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty (k=2)	Remarks	Location Code
<b>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</b>				
<b>LENGTH</b>			<b>NOTES</b>	
Gauge blocks		Class C (see note 2)		A
Inch (Steel & tungsten carbide)	As BS 4311-1:2007 0.01 inch to 0.4 inch. 0.4 inch to 1 inch 2 inch 3 inch 4 inch	3.0 4.0 5.0 6.0 7.0 μ inch	1. All linear calibrations may be given in inch units.  2. <b>Class C</b> uncertainties apply to the measurement of length of steel gauges by comparison with grade K standards of length of a similar material. Class C uncertainties apply to grade 0,1 & 2 gauges to BS EN ISO 3650:1999 and BS 4311:2007	
Millimetre (Steel, tungsten carbide)	As BS EN ISO 3650:1999 0.5 to 10 10 to 25 30, 40, 50 60, 70, 75 80, 90, 100	.080 .10 .12 .15 .18		
Plain plug gauges (parallel)	1 to 50 diameter 50 to 100 100 to 150 150 to 200 200 to 300	0.80 1.0 1.5 2.0 2.5 on diameter	3 The uncertainty quoted is for the departure from flatness, straightness, or squareness, i.e. the distance separating the two parallel planes, which just enclose the surface under consideration.	A
Plain ring gauges (parallel)	2 to 10 diameter 10 to 25 25 to 50 50 to 100 100 to 150 150 to 250	1.0 0.80 1.0 1.5 2.5 3.0 on diameter	4. Calibrations may also be given in lbf.in and lbf.ft.	A
Length gauges, flat and spherical ended (excluding length bars)	25 to 1000	1.0 + (8.0 x length in m)	5. 1 mm to 6 mm diameter range relates to functional test of size using check plugs.	A
Plain gap gauges (parallel)	0.5 to 100 100 to 200 200 to 300	3.0 5.0 8.0	6. Single start, symmetrical thread forms only.  7. Features and associated parts of these gauges / fixtures can be measured to the uncertainties given for equivalent items listed in this schedule.  8. Functional test of size using setting plugs.	A



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<b>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</b>				
<b>LENGTH (cont'd)</b>			<b>NOTES (cont;d)</b>	
Screw plug gauges (parallel) including check and setting plugs. (See note 6)	1 to 100 diameter 100 to 150	3.0— 4.0— on pitch diameter		A
Screw plug gauges (taper) including check plugs. (See note 6)	5 to 100 diameter 100 to 150	5.0— 8.0—		A
Screw ring gauges (parallel) (See notes 5 and 6)	1 to 100 diameter 100 to 150	5.0— 6.0— on pitch : diameter		A
Screw ring gauges (taper) (See note 6)	5 to 100 diameter 100 to 150	5.0— 8.0—		A
Screw thread flank angles	0° to 52°	5.0 minutes of arc		A
Screw thread pitch	0.2 to 8	1.5		A
Screw thread adjustable calliper gauges (parallel)	3 to 50 diameter	See note 8		A
Thread measuring cylinder	As BS3777:1964 and BS 5590:1978 and specials 0.1 to 5.0 diameter	0.50		A
Parallels	As BS 906:1972 5 to 50 x 100 x 400	1.2 to 5.0		A
Vee blocks	As BS 3731:1987 20 to 150 diameter, vee capacity	2.5 to 5.0		A
Feeler Gauges	As BS 957:2008 0.02 to 1.00	3.0		A
Receiver, gauges, jigs fixtures	0 to 600 x 300 x 300	Length and diameter: 3.0 + (10 x length in m) Angle: 1.0 minute of arc		A
<b>ANGLE</b>				
Squares				A
Blade type	As BS 939:2007 50 to 300 300 to 600	3.0— 5.0—		
Cylindrical	75 to 300 300 to 600	2.0— 4.0— on squareness See note 3		
Block	50 to 300 300 to 600	3.0— 5.0—		



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<b>RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED</b>				
ANGLE (cont'd)				
Angle plates and box angle plates	As BS 5535:1978 50 to 600	Squareness: 3.0 + (1.0 per 100 mm) Parallelism: 1.0 + (1.0 per 100 mm) See note 3		A
Sine bars	As BS 3064:1978 100 to 300	Linear dimensions: 1.0 + (10 x length in m) Overall Performance: 3.0 Seconds of arc		A
Sine tables	As BS 3064:1978 100 to 500			A
<b>MEASURING INSTRUMENTS AND MACHINES</b>				
Micrometers				
External	As BS 870:2008 0 to 600	Heads 2.0 between any two points. Setting and extension rods 1.0 + (8.0 x length in m)		A
Internal	As BS 959:2008 0 to 900			
Depth	As BS 6468:2008 0 to 300			
Micrometer heads	As BS 1734:1951 0 to 100	1.6		A
Bench micrometer	As NPL MOY/SCMI 22 0 to 100	Overall performance 2.0		A
Vernier gauges				
Caliper	As BS 887:2008 0 to 1000	Overall performance 10 + (30 x length in m)		A
Height	As BS 1643:2008 0 to 1000			
Depth	As BS 6365:2008 0 to 600			
Dial gauges and dial test indicators	As BS 907:2008 and BS 2795:1981 0 to 50	1.0		A
Height setting micrometer	0 to 300	Heads 1.0 Stepped column 1.6 Overall performance 2.0		A
Riser blocks for above	150 300	1.0 2.0		A



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MEASURING INSTRUMENTS AND MACHINES (cont'd)				
Bevel protractors	As BS 1685:2008 0 to 360 degrees	6.0 minutes of arc		A
Comparators (external )	As BS 1054:1975 250 to 20 000 magnifications	1.0 % of range Minimum 0.20		A
Profile projectors	10 to 100 magnifications	125 at the screen 3.0 linear 3.0 minutes of arc		A,B
Spirit levels	As BS 3509:1962 and BS 958:1968 5 seconds of arc to 60 minutes of arc nominal sensitivity	Mean sensitivity 10 % of nominal Minimum of 0.50 seconds of arc		A
Electronic indicating levels	0 to 10 minutes of arc	1.0 % of range Minimum 0.50 seconds of arc		A
FORM				
Surface plates Granite Cast iron	As BS 817:2008 and above 160 x 100 to 4000 x 6000	1.5 + (0.80 x diagonal in m) See Note 3		A & B
Straight edges Cast iron	As BS 5204:Part 1:1975 300 to 2000	2.0 + (3.0 x length in m) See note 3		A
Steel, Granite	As BS 5204:Part 2:1977 300 to 2000			
Radius Gauges	0.1 to 250	0.20 %, minimum 3.0		A
TORQUE				
Torque wrenches	As BS EN ISO 6789:2003 1.0 Nm to 1356 Nm	1.0 % of applied torque (See Note 4)		A
END				