

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 9157 Accredited to ISO/IEC 17025:2005	Sheffield Calibration Services Limited	
	Issue No: 001 Issue date: 09 March 2016	
	50-56 Nursery Street Sheffield South Yorkshire S3 8GP	Contact: Mr Mark Walster Tel: +44 (0) 7572 547129 E-Mail: info@sheffieldcalibration.com Website: www.sheffieldcalibration.com

Calibrations performed by the Organization at the locations specified below

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address 50-56 Nursery Street Sheffield South Yorkshire S3 8GP	Local contact Mr Mark Walster	Dimensional Torque
		P

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customers' sites or premises The customer's sites or premises must be suitable for the nature of the particular calibrations undertaken and will be subject of contract review arrangements between the laboratory and the customer	Dimensional	S



9157
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Sheffield Calibration Services Limited
Issue No: 001 Issue date: 09 March 2016

Calibration performed by the Organisation at the locations specified

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code																								
RANGE IN MILLIMETRES AND UNCERTAINTIES IN MICROMETRES UNLESS OTHERWISE STATED																												
LENGTH Gauge blocks Inch (Steel, tungsten carbide and ceramic)	As BS 4311:Part 1: 2007 0.01in to 0.4 in 0.4 in to 1 in Size 2 in Size 3 in Size 4 in	Class (See footnotes) <table border="0"> <tr> <td><u>C</u></td> <td><u>D</u></td> <td>)</td> <td></td> </tr> <tr> <td>3.0</td> <td>4.0</td> <td>)</td> <td></td> </tr> <tr> <td>4.0</td> <td>5.0</td> <td>)</td> <td>μ</td> </tr> <tr> <td>5.0</td> <td>7.0</td> <td>)</td> <td>inches</td> </tr> <tr> <td>6.0</td> <td>8.0</td> <td>)</td> <td></td> </tr> <tr> <td>7.0</td> <td>10</td> <td>)</td> <td></td> </tr> </table>	<u>C</u>	<u>D</u>)		3.0	4.0)		4.0	5.0)	μ	5.0	7.0)	inches	6.0	8.0)		7.0	10)		NOTES 1. All dimensional calibrations can be given in Inch units. 2. 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.	P
<u>C</u>	<u>D</u>)																										
3.0	4.0)																										
4.0	5.0)	μ																									
5.0	7.0)	inches																									
6.0	8.0)																										
7.0	10)																										
Millimetre (Steel, tungsten carbide and ceramic)	As BS EN ISO 3650:1999 0.5 to 10 10 to 25 Sizes 30, 40, 50, 60, 70, 75, 80, 90, 100	<table border="0"> <tr> <td><u>C</u></td> <td><u>D</u></td> </tr> <tr> <td>.080</td> <td>.10</td> </tr> <tr> <td>.10</td> <td>.13</td> </tr> <tr> <td>.12</td> <td>.17</td> </tr> <tr> <td>.15</td> <td>.21</td> </tr> <tr> <td>.18</td> <td>.25</td> </tr> </table>	<u>C</u>	<u>D</u>	.080	.10	.10	.13	.12	.17	.15	.21	.18	.25														
<u>C</u>	<u>D</u>																											
.080	.10																											
.10	.13																											
.12	.17																											
.15	.21																											
.18	.25																											
Comparison Class C 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 and 2 gauges to BS EN ISO 3650:1999 and BS 4311:Part 1:2007. Class D uncertainties represent the best capability for the measurement of length of tungsten carbide and ceramic gauges by comparison with grade K standards of length of a dissimilar material.																												
Thread measuring cylinders	As BS 3777:1964, BS 5590:1978 and specials 0.1 to 5	0.50		P																								
Plain plug gauges (parallel) cylindrical setting standards, gear measuring cylinders and rollers	1 to 50 diameter 50 to 100 100 to 150 150 to 200 200 to 300 300 to 400	0.50 0.80 1.0 1.5 2.0 2.5	on diameter	P																								
Plain ring gauges (parallel) and setting standards	1.5 to 25 diameter 25 to 50 50 to 100 100 to 150 150 to 300	0.80 1.0 1.5 2.0 2.5		P																								



9157
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Sheffield Calibration Services Limited
Issue No: 001 Issue date: 09 March 2016

Calibration performed by the Organisation at the locations specified

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
RANGE IN MILLIMETRES AND UNCERTAINTIES IN MICROMETRES UNLESS OTHERWISE STATED				
LENGTH (cont'd)				
Screw plug gauges (parallel) including check and setting plugs See Note 3	1 to 100 diameter 100 to 200	3.0 4.0] on pitch diameter	P
Screw ring gauges (parallel) See Note 3	3 to 100 diameter 100 to 200	5.0 6.0		
	Pitch 0.2 to 8 Flank angle 0° to 30°	1.5 5.0 minutes of arc		P
Length gauges, flat and spherical ended	1 to 1000	0.80 + (3.0 x length in m)		P
Plain gap gauges (parallel)	1 to 100 100 to 200 200 to 300	2.0 3.0 4.0		P
Graduated rules	As BS 4372:1968 0 to 2000	5.0 + (10 x length in m)		P
ANGLE				
Squares				
Blade type	As BS 939:2007 50 to 450	3.0 on squareness See Note 2		P
MEASURING INSTRUMENTS AND MACHINES				
Micrometers				P
External	As BS 870:2008 0 to 1000] Heads: 2.0 between any two points Setting and extension rods: 0.8 + (3.0 x length in m)		P
Internal	As BS 959:2008 0 to 900			
Depth	As BS 6468:2008 0 to 300			
Micrometer heads	As BS 1734:1959 0 to 50	1.0 between any two points		P



9157
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

Sheffield Calibration Services Limited
Issue No: 001 Issue date: 09 March 2016

Calibration performed by the Organisation at the locations specified

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) Expressed as an Expanded Uncertainty ($k = 2$)	Remarks	Location Code
RANGE IN MILLIMETRES AND UNCERTAINTIES IN MICROMETRES UNLESS OTHERWISE STATED				
LENGTH (cont'd)				
Vernier gauges				
Caliper	As BS 887:2008 0 to 1000] Overall performance: 10 + (30 x length in m)		P & S
Height	As BS 1643:2008 0 to 1000			
Depth	As BS 6365:2008 0 to 1000			
Height gauges, electronic	0 to 1000	Overall performance 2.0 + (10 x length in m)		P
Dial gauges and dial test indicators	As BS 907:2008 and BS 2795:1981 0 to 50	1.0		P
Receiver, position and profile gauges, jigs and fixtures	Maximum size 0 to 500 x 750 x 1000	See Note 4	4. Features and associated parts of these gauges can be measured to the uncertainties given for equivalent items listed in this schedule.	P
FORM				
Surface Plates				
Granite	As BS 817:2008 160 x 100 to 2500 x 1600	1.5 + (0.8 x diagonal in m)		P & S
Cast iron		See Note 2		
TORQUE				
Hand torque tools	As BS EN ISO 6789:2003 5.0 Nm to 1000 Nm	0.75 %		P
END				