


Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 <p>0227</p> <p>Accredited to ISO/IEC 17025:2005</p>	<h3>Broadstone Gauge and Tool Company</h3> <p>Issue No:013 Issue date: 04 November 2009</p>	
	<p>Unit 24 Ventura Place Factory Road Upton Poole Dorset BH16 5SW</p>	<p>Contact: Mr M J Essam Tel: +44 (0)1202-621927 Fax: +44 (0)1202-632889 E-Mail: sales@broadstone-gauge.co.uk Website: www.broadstone-gauge.co.uk</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>			
LENGTH			NOTES
Thread measuring cylinders	As BS 5590:1978 and specials	0.5	1 All calibrations must be carried out in accordance with procedures agreed by UKAS.
Plain plug gauges (parallel) cylindrical setting standards	From 0.15 up to 50 diameter Above 50 up to 100 diameter Above 100 up to 200 diameter Above 200 up to 300 diameter Above 300 up to 450 diameter	0.5 1 2 4 5	2 In addition to specified items other similar items, including parts of measuring and machines, may be calibrated (see above) to the uncertainties stated. Where the item or part calibrated is of lower quality due to wear, errors in geometry or form, poor surface texture, or where any other factor that adversely affects the measurement capability, greater uncertainties must be quoted.
Plain plug gauges (taper)			
Taper up to 1 in 8	From 3 up to 50 diameter Above 50 up to 100 diameter	3 4] on diameter
Taper above 1 in 8 and up to 1 in 3 on diameter	From 3 up to 50 diameter Above 50 up to 100 diameter	5 6	
Plain ring gauges (parallel) Including setting rings	From 1 up to 10 diameter Above 10 up to 50 diameter Above 50 up to 100 diameter Above 100 up to 200 diameter Above 200 up to 300 diameter Above 300 up to 450 diameter	2 1 1.5 2 4 6	3 The uncertainty quoted is for the departure from flatness, straightness, parallelism or squareness, i.e. the distance separating the two parallel planes, which just enclose the surface under consideration.
Plain ring gauges (taper)			
Taper up to 1 in 8 on diameter	From 3 up to 50 diameter Above 50 up to 100 diameter	4 5] on diameter
Taper above 1 in 8 and up to 1 in 3 on diameter	From 3 up to 50 diameter Above 50 up to 100 diameter	6 7	
			4. Single start, symmetrical thread forms only.
			5. Single and multi-start symmetrical and asymmetrical thread forms.



0227
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Broadstone Gauge and Tool Company
Issue No:013 Issue date: 04 November 2009

Calibration performed at main address only

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty ($k=2$)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
LENGTH (cont'd)			
Plain gap gauges (parallel)	As BS 969 From 1 up to 50 Above 50 up to 100 Above 100 up to 200 Above 200 up to 300	3 5 8 12	
Length gauges, flat and spherical ended	Up to 750	1 + (5 x length in m)	
Screw plug gauges (parallel) including check and setting plugs See Note 5	From 1 up to 100 diameter Above 100 up to 150 diameter Above 150 up to 250 diameter Above 250 up to 350 diameter Above 350 up to 450 diameter	3 4 5 6 8	pitch: 2.0 flank angle: 2 + (800/(MxP))
Screw plug gauges (taper) See Note 4	From 5 up to 100 diameter Above 100 up to 150 diameter	5 8	Minutes of arc Where M is projector magnification and P is pitch in mm
Screw ring gauges (parallel) See Note 5	From 1 up to 14 diameter From 14 up to 100 diameter Above 100 up to 150 diameter	By check plugs 5 7	By check plugs on pitch diameter
Screw ring gauges (taper) See Note 4	From 1 up to 14 diameter Above 14 up to 150 diameter	By check plugs 7	By check plugs on pitch diameter
Screw thread adjustable caliper gauges (parallel) See Note 5 Parallels	From 1.5 up to 300 diameter As BS 906:1972	By setting plugs Dependent on size and grade From 1.5 to 5	
Vee blocks	As BS 3731:1987	Dependent on size and grade From 2.5 up to 5	
Thread measuring Vee pieces (prisms)	As MOY/SCM1/60	2.5	
ANGLE			
Squares			
Blade type Cylindrical	As BS 939:2007 up to 450 up to 450	3 2	On squareness See Note 3
Right angle and box angle plates	As BS 5535:1978	Squareness 3 + (1 per 100 mm) Parallelism 1 + (1 per 100 mm)	See Note 3



0227
Accredited to
ISO/IEC 17025:2005

Schedule of Accreditation
issued by
United Kingdom Accreditation Service
21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

Broadstone Gauge and Tool Company
Issue No:013 Issue date: 04 November 2009

Calibration performed at main address only

Measured Quantity Instrument or Gauge	Range	Best Measurement Capability Expressed as an Expanded Uncertainty (k=2)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
MEASURING INSTRUMENTS, MACHINES and TOOLS			
Micrometers			
External	As BS 870:2008	Heads 2 between any two points Setting and extension rods 1 + (5 x length in m)	
Internal	As BS 959:2008		
Depth	As BS 6468:2008		
Micrometer heads	As BS 1734:1951	1	
Micrometers, 3 point bore	From 5 up to 200	5	
Vernier caliper, height and depth gauges	As BS 887:2008 and BS 1643:2008	Overall performance 10 + (30 x length in m)	
Dial gauges and dial test indicators	As BS 907:2008 and BS 2795:1981	1	
Feeler gauges	As BS 975:2008	3	
END			