


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:014 Issue date: 05 October 2010</p>	
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<p>Calibration performed at the above address only</p>		

DETAIL OF ACCREDITATION

Measured Quantity Instrument or Gauge	Range	Calibration and Measurement Capability (CMC) 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	BS 5590:1978 and specials 0.1 to 5	0.50	<p>1 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.</p> <p>2. Single start, symmetrical thread forms only.</p> <p>3. Single and multi-start symmetrical and asymmetrical thread forms.</p> <p>4. Includes use of check plugs for screw rings from 1 mm to 14 mm diameter.</p> <p>5. Includes use of check plugs for screw rings (taper) from 1 mm to 14 mm diameter</p> <p>6. Functional test of size using setting plugs calibrated with a CMC of 3.0 μm</p>
Plain plug gauges (parallel) cylindrical setting standards	0.15 to 50 diameter	0.50	
	50 to 100 diameter	1.0	
	100 to 200 diameter	2.0	
	200 to 300 diameter	4.0	
	300 to 450 diameter	5.0	
Plain plug gauges (taper)			
Taper parallel to 1 in 8 on diameter	3 to 50 diameter	3.0	
	50 to 100 diameter	4.0	
Taper 1 in 8 to 1 in 3 on diameter	3 to 50 diameter	5.0	
	50 to 100 diameter	6.0	
Plain ring gauges (parallel) Including setting rings	1 to 10 diameter	2.0	
	10 to 50 diameter	1.0	
	50 to 100 diameter	1.5	
	100 to 200 diameter	2.0	
	200 to 300 diameter	4.0	
Plain ring gauges (taper)	300 to 450 diameter	6.0	
Taper parallel to 1 in 8 on diameter	3 to 50 diameter	4.0	
	50 to 100 diameter	5.0	
Taper 1 in 8 to 1 in 3 on diameter	3 to 50 diameter	6.0	
	50 to 100 diameter	7.0	



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RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
LENGTH (cont'd)			
Plain gap gauges (parallel)	BS 969 1 to 50 50 to 100 100 to 200 200 to 300	3.0 5.0 8.0 12	
Length gauges, flat and spherical ended	0 to 750	1.0 + (5.0 x length in m)	
Screw plug gauges (parallel) including check and setting plugs See Note 3	1 to 100 diameter 100 to 150 diameter 150 to 250 diameter 250 to 350 diameter 350 to 450 diameter	3.0 4.0 5.0 on pitch 6.0 diameter 8.0	
Screw plug gauges (taper) See Note 2	5 to 100 diameter 100 to 150 diameter	5.0 on pitch 8.0 diameter	
Screw ring gauges (parallel) See Notes 3 and 4	1 to 100 diameter 100 to 150 diameter	5.0 on pitch 7.0 diameter	
Screw ring gauges (taper) See Note 2 and 5	1 up to 150 diameter	7.0 on pitch diameter	
Screw pitch Screw flank angle	0.2 to 8 0° to 52°	2.0 5.0 minutes of arc	
Screw thread adjustable caliper gauges (parallel) See Note 3 Parallels	1.5 to 300 diameter BS 906:1972 5 to 50 x 100 x 400	See note 6 1.5 to 5.0	
Vee blocks	BS 3731:1987 20 to 150	2.5 to 5.0	
Thread measuring Vee pieces (prisms)	MOY/SCM1/60 0 to 4.5	2.5	
ANGLE			
Squares			
Blade type Cylindrical	BS 939:2007 50 to 450 75 to 450	3.0 On squareness 2.0 See Note 1	
Right angle and box angle plates	As BS 5535:1978 50 to 600	Squareness 3.0 + (1.0 per 100 mm) Parallelism See Note 1 1.0 + (.01 per 100 mm)	



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RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
MEASURING INSTRUMENTS, MACHINES and TOOLS			
Micrometers			
External	BS 870:2008 0 to 600	Heads 2 between any two points Setting and extension rods 1.0 + (5.0 x length in m)	
Internal	BS 959:2008 0 to 900		
Depth	BS 6468:2008 0 to 300		
Micrometer heads	BS 1734:1951 0 to 50	1.0	
Micrometers, 3 point bore	5 to 200	5.0	
Vernier caliper, height and depth gauges	BS 887:2008 0 to 1000 BS 1643:2008 0 to 1000 BS 6365:2008 0 to 600	Overall performance 10 + (30 x length in m)	
Dial gauges and dial test indicators	As BS 907:2008 and BS 2795:1981 0 to 50	1.0	
Feeler gauges	As BS 975:2008 0.025 to 1	3.0	
END			