



NATA ACCREDITED LABORATORY

National Association of Testing Authorities, Australia

(ABN 59 004 379 748)

has accredited

S G Prittie Precision Gauges Pty Ltd

following demonstration of its technical competence to operate in accordance with

ISO/IEC 17025

This facility is accredited in the field of

CALIBRATION

for the calibrations shown on the *Scope of Accreditation* issued by NATA

Jennifer Evans

Chief Executive Officer

Date of issue: 31 March 2017

Date of accreditation: 10 May 1963

Accreditation number: 419

Scope of Accreditation



ACCREDITATION NO: 419

S G Prittie Precision Gauges Pty Ltd

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FACILITIES: Public testing service

This laboratory complies with the requirements of ISO/IEC 17025 (2005)

The uncertainty of measurement is reported as an expanded uncertainty having a level of confidence of 95% unless stated otherwise

1.01 Limit gauges

- .01 Plain plug gauges
 - with least uncertainties of measurement of -
 - 0.5 μm from 0.2 mm to 25 mm
 - 0.8 μm from 25 mm to 50 mm
 - 1.0 μm from 50 mm to 100 mm
 - 2.0 μm from 100 mm to 200 mm
- .02 Plain ring gauges
 - with least uncertainties of measurement of -
 - 5 μm from 0.5 mm to 1.7 mm
 - 1.5 μm from 1.7 mm to 50 mm
 - 3 μm from 50 mm to 180 mm
 - 4 μm from 180 mm to 240 mm
 - 5 μm from 240 mm to 300 mm
- .03 Plain gap gauges
 - with least uncertainties of measurement of -
 - 2 μm from 2 mm to 50 mm
 - 3 μm from 50 mm to 150 mm
 - 5 μm from 150 mm to 300 mm
- .04 Taper plug gauges
 - Tapers from 1 in 500 to 1 in 5
 - with least uncertainties of measurement of -
 - 3 μm from 1.0 mm to 50 mm
 - 5 μm from 50 mm to 150 mm
 - Tapers from 1 in 5 to 1 in 3
 - with least uncertainties of measurement of -
 - 5 μm from 1.0 mm to 50 mm

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- 8 μ m from 50 mm to 150 mm
- .05 Taper ring gauges
 - Tapers from 1 in 500 to 1 in 8
 - with least uncertainties of measurement of -
 - 5 μ m from 2.5 mm to 50 mm
 - 8 μ m from 50 mm to 150 mm
 - Tapers from 1 in 8 to 1 in 3
 - with least uncertainties of measurement of -
 - 8 μ m from 2.5 mm to 50 mm
 - 10 μ m from 50 mm to 150 mm
- .11 Parallel screw plug gauges
 - Gauges for checking product threads; setting plugs; and check plugs, includes pitch, flank angle and form
 - with least uncertainties of measurement of -
 - 2.5 μ m from 2 mm to 25 mm
 - 3 μ m from 25 mm to 100 mm
 - 4.5 μ m from 100 mm to 200 mm
 - 6 μ m from 200 mm to 300 mm
- .12 Parallel screw ring gauges
 - By check plugs from 2 mm to 150 mm pitch diameter;
 - and by direct measurement, includes pitch, flank angle and form
 - with least uncertainties of measurement of -
 - 3.5 μ m from 2 mm to 50 mm
 - 5 μ m from 50 mm to 100 mm
 - 6.5 μ m from 100 mm to 200 mm
 - 8 μ m from 200 mm to 300 mm
- .13 Adjustable thread calliper gauges for parallel threads
 - By setting plugs; by setting plugs and gauge blocks; by gauge blocks and thread measuring wires; and by length bars and thread measuring wires, including pitch, flank angle and form
 - with least uncertainties of measurement of -
 - 6 μ m from 2 mm to 100 mm
 - 10 μ m from 100 mm to 200 mm
 - 12 μ m from 200 mm to 300 mm
- .21 Taper screw plug gauges
 - Gauges for checking product threads; and check plugs
 - Tapers from 1 in 500 to 1 in 8, including pitch, flank angle and form
 - with least uncertainties of measurement of -
 - 5 μ m from 7 mm to 50 mm
 - 6 μ m from 50 mm to 100 mm
 - 7 μ m from 100 mm to 200 mm
 - 8 μ m from 200 mm to 300 mm
- .22 Taper screw ring gauges
 - Gauges for checking product threads
 - Tapers from 1 in 500 to 1 in 8
 - by taper check plugs from 7 to 165 mm pitch diameter and by direct measurement including pitch, flank angle and form
 - with least uncertainties of measurement of -
 - 8 μ m from 7 mm to 165 mm

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- .31 Profile gauges
 - with least uncertainties of measurement of -
10 μm from 1.0 mm to 150 mm
- .99 Other limit gauges
 - Involving measurements similar to those under 1.01.01 to 1.01.05
including step, depth, concentricity and indicator
gauges with similar uncertainties of measurements and including external length measurements
with least uncertainties of measurement of -
5 μm from 200 mm to 1000 mm

1.02 Jigs, fixtures, cutting tools and components

- Types requiring measurements similar to those under 1.01
including length measurements from 150 mm to 600 mm
with least uncertainties of measurement of -
15 μm
- .01 Jigs and fixtures
- .11 Cutting Tools
- .21 Components

1.03 Engineering metrology equipment

- .21 Micrometer heads
 - including compliance with AS 2328
with least uncertainties of measurement of -
2 μm from 1.0 mm to 50 mm
- .22 External micrometers
 - including compliance with AS 2102, BS 870 and JIS B7502
with least uncertainties of measurement of -
2 μm from 25 mm to 1000 mm
- .23 Internal micrometers
 - including compliance with AS 2102, BS 959 and JIS B7502
with least uncertainties of measurement of -
2 μm from 20 mm to 1000 mm
- .24 Depth micrometers
 - including compliance with BS 6468 and JIS B7544
with least uncertainties of measurement of -
2 μm from 25 mm to 1000 mm
- .25 Electronic indicators, dial gauges and test indicators
 - including compliance with AS 2103, BS 907 and BS 2795
with least uncertainties of measurement of -
1 μm from 0.001 mm to 0.02 mm resolution
- .27 Electronic and vernier callipers
 - including compliance with AS 1984, BS 887 and JIS B7507
with least uncertainties of measurement of -
10 μm from 100 mm to 1000 mm
- .28 Electronic and vernier height and depth gauges
 - including compliance with AS 1643, JIS B7517 and JIS B7518
with least uncertainties of measurement of -
10 μm from 150 mm to 1000 mm

1.05 Surface topography

- .02 Roundness
 - including evaluation of roundness to BS 3730

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Gauges and components from 3 mm to 300 mm diameter
with least uncertainties of measurement of -
0.25 μm

1.08 Length and angle standards

- .02 External cylindrical standards
with least uncertainties of measurement of -
 - 0.5 μm from 1 mm to 25 mm
 - 0.8 μm from 25 mm to 50 mm
 - 1.0 μm from 50 mm to 100 mm

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(Scope Last Changed 27/07/16)
