



Certificate of calibration

Certificate no. ; CC554-11-0201 Page 1 of 2

Customer ; **Dimension Calibration Center Co.,Ltd.**
33/5-6 Moo. 4, Sukprayoon Road, Tumbol Donhuaroh
Amphor Muang, Chonburi 20000.

Instrument ; Taper thread ring gauge

Manufacturer ;

Size ; 1 1/2 11 PT

Serial no ;

Identification no. ;

Refer no. ;

Date of received ; December 6, 2011

Date of calibration ; November 10, 2011

Date of issued ; December 20, 2011

Mr.Seree Renseb
Technician

Mr.Chatchapol Jorojjaturonn
Laboratory manager

The calibration cover by this certificate have been performed in accordance with the requirement of ISO/IEC 17025: 2005.

The reported uncertainty is based on standard uncertainty multiplied by coverage factor $k = 2$ providing of confidence approximately 95%.

This calibration certificate may not be reproduced other than in full except with the permission of Director of Dimension Calibration Center Co.,Ltd.

Certificate no.

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Reference standard and traceability

Universal Length Metro-scope Opal 600 serial no. 02101.

Certificate no.

Date of calibration

Next calibration

CC555-01-0098

January 22, 2012

January 21, 2014

Traceable to "National Institute of Metrology (Thailand)" through certificate no DE-0022-10.

Setting ring gauge 50 mm serial no.82029.

Certificate no.

Date of calibration

Next calibration

DD-0052-10

October 1, 2010

September 30, 2013

Traceable to "National Institute of Metrology (Thailand)" through certificate no. DD-0052-10.

Measurement method

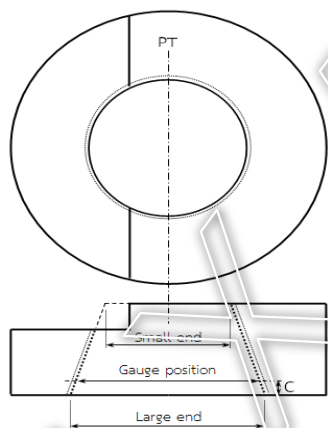
Direct measurement by ULM according to work instruction WI5-03-42.

Environment conditions

The measurement was carried out within ambient temperature of $(20 \pm 0.5) ^\circ\text{C}$ and relative humidity of $(55 \pm 10) \% \text{ RH}$.

Uncertainty of measurement

The uncertainty state is the expanded uncertainty which obtained by multiplying the standard uncertainty by coverage factor $k=2$. It has been determined in accordance with EA publication EA-4/02 "Expression of the Uncertainty of Measurement in Calibrations" and "Guide to the Expression of Uncertainty in Measurement (GUM)". The values of assigned presents within the range of values with probability of 95%.



Measurement data

unit:mm

Nominal pitch diameter at		X axis	Y axis
Small end			
Gauge position			
Large end			
Pitch diameter tolerance		Upper	Lower

Uncertainty of measurement $\pm 0.0009 \text{ mm}$

End certificate