UKAS

Spline Gauges Limited
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Email: Karl.Shaw@ukas.com
Date: 16/10/2026
Cust No. 5004

Dear Michael Southan,

Renewal of Accreditation for

Standard: ISO/IEC 17025:2017
Project Number: 307978-04-01
Project Name: 2026 - RA - Tamworth
Accr Exp Date: 31/01/2031

We are pleased to confirm that following the successful reassessment of your organisation, and clearance of improvement actions, your accreditation has been renewed for the standard(s) referenced above.

Your revised scope of accreditation is set out in your schedule, which will soon be available on our website at www.ukas.com. If you have any difficulty downloading the schedule, please contact your Customer Liaison Officer (CLO), who will be happy to help.

Our next assessment is due [insert profile date]. We will contact you between six and three months ahead of your assessment to make the necessary arrangements.

As set out in the UKAS Customer Agreement and the applicable standard(s), your organisation is responsible for maintaining compliance with the requirements of its UKAS accreditation. This includes compliance with the relevant standard(s) shown on your certificate, payment of all applicable fees, and adherence to any additional requirements set out in the UKAS Standard Terms of Business, and relevant UKAS, EA, Global ACI or Sector Scheme publications. Your organisation must also notify UKAS without undue delay of any changes that may affect its accreditation or compliance with these requirements.

If you are considering extending your scope of accreditation, please contact us as early as possible so that we can understand your requirements, and discuss your preferred timescale. The time required will depend on the nature and complexity of the proposed extension. Although UKAS cannot guarantee that a particular completion date will be achieved, early communication gives us the best opportunity to plan the necessary resources and work with you towards your desired timescales.

Where there are any outstanding invoices requiring payment, these will be sent to you under a separate cover. Please ensure payment is made within the stated payment terms.

We look forward to working with you throughout your next accreditation cycle. Please contact your Customer Liaison officer (CLO) if you have any questions.

Yours sincerely,

Karl Shaw
Assessment Manager

Certificate of Accreditation

UKAS
United Kingdom Accreditation Service

Spline Gauges Limited

Calibration Laboratory No. 0015

Is accredited in accordance with International Standard ISO/IEC 17025:2017 – General Requirements for the competence of testing and calibration laboratories.

This accreditation demonstrates technical competence for a defined scope specified in the schedule to this certificate, and the operation of a management system (refer joint ISO-ILAC-IAF Communiqué dated April 2017). The schedule to this certificate is an essential accreditation document and from time to time may be revised and reissued.

The most recent issue of the schedule of accreditation, which bears the same accreditation number as this certificate, is available from www.ukas.com.

This accreditation is subject to continuing conformity with United Kingdom Accreditation Service requirements.

Matt Gantley, *Chief Executive Officer*
United Kingdom Accreditation Service

Initial Accreditation: 6 March 1969
Certificate Issued: 25 January 2024

ilac-MRA

UKAS
United Kingdom Accreditation Service

Scan QR Code to verify

UKAS is appointed as the sole national accreditation body for the UK by The Accreditation Regulations 2009 (SI No 3155/2009) and operates under a Memorandum of Understanding (MoU) with the Department for Business and Trade (DBT).

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

0015

Accredited to ISO/IEC 17025:2017

Spline Gauges Limited

Issue No: 026 **Issue date:** 16 October 2026

Piccadilly
Tamworth
Staffordshire
B78 2ER

Contact: Mr Michael Southan
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E-Mail: m.southan@splinegauges.com
Website: www.splinegauges.com

Calibration performed at the above address only

Calibration and Measurement Capability (CMC)

Measured Quantity Instrument or Gauge	Range		Expanded Measurement Uncertainty (k = 2)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED				
INVOLUTE GEARS, GEAR ARTEFACTS, SPLINE GAUGES (see notes 1 and 2) **External**				NOTES 1. Gears of the following capacities may be calibrated: Maximum diameter 150 mm, Maximum length 100 mm, Max Weight 30 kg 2. The uncertainties stated assume that journal diameters or reference surfaces have been used to define the measurement axis.
Profile Total deviation (F_α)			1.4	CNC gear measuring machine.
Profile slope deviation ($f_{H\alpha}$)			1.3	
Profile form deviation ($f_{f\alpha}$)			1.4	
Helix (Alignment) Total deviation (F_β)	Helix angle		1.6	
Helix (alignment) slope deviation ($f_{H\beta}$)			1.5	
Helix (alignment) form deviation ($f_{\beta f}$)			1.6	
	0° to 45°			
Single Pitch (f_p)			1.8	
Pitch Difference (f_u)		0.15 to 25 Module	1.8	
Cumulative Pitch (F_p)			2.7	.
Radial Runout of Tooth Space (F_r)			3.3	
Normal Circular Tooth Thickness(S_n)			1.6	Horizontal measuring machine and reference setting standards.
Dimension Over/Pins or Balls (Mdr or Mdk)	5 to 100		1.7	
	100 to 200		1.9	
	200 to 250		2.1	
	250 to 300		2.9	

0015 Accredited to ISO/IEC 17025:2017	**Schedule of Accreditation** **issued by** **United Kingdom Accreditation Service** 2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK
	Spline Gauges Limited **Issue No:** 026 **Issue date:** 16 October 2026

Calibration performed at main address only

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
INVOLUTE GEARS, GEAR ARTEFACTS, SPLINE GAUGES (see notes 1 and 2) (cont'd)			NOTES (cont'd)
Internal			
Profile Total deviation (F_α)	0.15 to 25 Module	1.4	CNC gear measuring machine.
Profile slope deviation ($f_{H\alpha}$)		1.3	
Profile form deviation ($f_{f\alpha}$)		1.4	
Helix (Alignment) Total deviation (F_β)	Helix angle 0° to 45°	1.6	
Helix (alignment) slope deviation ($f_{H\beta}$)		1.5	
Helix (alignment) form deviation ($f_{\beta f}$)		1.6	
Single Pitch (f_p)		1.8	
Pitch Difference (f_u)		1.8	
Cumulative Pitch (F_p)		2.7	
Radial Runout of Tooth Space (F_r)		3.3	
Normal Circular Tooth Thickness(S_n)		1.6	
Dimension Between Pins or Balls (Mdr or Mdk)	5 to 100 diameter	2.6	Horizontal measuring machine and reference setting standards.
	100 to 200 diameter	2.9	
STRAIGHT SIDED SERRATION GAUGES			
Plug			
Serration Angle	0.15 to 25 Module	10 Minutes of Arc	CNC gear measuring machine or Con-tracer.
Dimension Across Flats 90° Only.		1.6	
Single Pitch (f_p)		1.8	CNC gear measuring machine.
Pitch Difference (f_u)		1.8	
Cumulative Pitch (F_p)		2.7	
Dimension Over Pins or Balls (Mdr or Mdk)		1.7	Horizontal measuring machine and reference setting standards.
Straight Sided Plug Tooth Thickness		1.2	

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
STRAIGHT SIDED SERRATION GAUGES (cont'd)			
Ring			
Serration Angle	0.15 to 25 Module	10 Minutes of Arc	CNC gear measuring machine or Contracer.
Dimension Across Flats 90˚ Only.		1.6	
Single Pitch (f_p)		1.8	CNC gear measuring machine.
Pitch Difference (f_u)		1.8	
Cumulative Pitch (F_p)		2.7	
Dimension Between Pins or Balls (Mdr or Mdk)	20 to 100 Diameter	2.6	Horizontal measuring machine and reference setting standards.
Straight Sided Internal Tooth Thickness		1.2	
GENERAL			
Bore Diameters	5 to 25 Diameter	1.0	Horizontal measuring machine and reference setting standards.
	25 to 50 Diameter	1.3	
	50 to 100 Diameter	1.9	
Major Diameter (Even Teeth)	5 to 100 Diameter	1.1	
	100 to 175 Diameter	1.5	
	175 to 250 Diameter	1.9	
	250 to 300 Diameter	2.3	
Major Diameter (Odd Teeth)	5 to 100 Diameter	1.7	
	100 to 175 Diameter	1.9	
	175 to 250 Diameter	2.2	
	250 to 300 Diameter	2.4	
Minor Diameter (Even Teeth)	6 to 100 Diameter	1.1	
	100 to 200 Diameter	1.9	
Minor Diameter (Odd Teeth)	6 to 100 Diameter	1.7	
	100 to 200 Diameter	2.2	

Measured Quantity Instrument or Gauge	Range	Expanded Measurement Uncertainty (k = 2)	Remarks
RANGE IN MILLIMETRES AND UNCERTAINTY IN MICROMETRES UNLESS OTHERWISE STATED			
GENERAL (cont'd)			NOTES (cont'd)
Chamfer		12.7	Con-tracer.
Fillet radius		12.7	Con-tracer.
Radial and axial runout		2.5	CNC gear measuring machine
END			

Appendix - Calibration and Measurement Capabilities

Introduction

The definitive statement of the accreditation status of a calibration laboratory is the Accreditation Certificate and the associated Schedule of Accreditation. This Schedule of Accreditation is a critical document, as it defines the measurement capabilities, ranges and boundaries of the calibration activities for which the organisation holds accreditation.

Calibration and Measurement Capabilities (CMCs)

The capabilities provided by accredited calibration laboratories are described by the Calibration and Measurement Capability (CMC), which expresses the lowest measurement uncertainty that can be achieved during a calibration. If a particular device under calibration itself contributes significantly to the uncertainty (for example, if it has limited resolution or exhibits significant non-repeatability) then the uncertainty quoted on a calibration certificate will be increased to account for such factors.

The CMC is normally used to describe the uncertainty that appears in an accredited calibration laboratory's schedule of accreditation and is the uncertainty for which the laboratory has been accredited using the procedure that was the subject of assessment. The measurement uncertainty is calculated according to the procedures given in the GUM and is normally stated as an expanded uncertainty at a coverage probability of 95 %, which usually requires the use of a coverage factor of $k = 2$. An accredited laboratory is not permitted to quote an uncertainty that is smaller than the published measurement uncertainty in certificates issued under its accreditation.

Expression of CMCs - symbols and units

It should be noted that the percentage symbol (%) represents the number 0.01. In cases where the measurement uncertainty is stated as a percentage, this is to be interpreted as meaning percentage of the measurand.
Thus, for example, a measurement uncertainty of 1.5 % means $1.5 \times 0.01 \times q$, where q is the quantity value.

The notation Q[a, b] stands for the root-sum-square of the terms between brackets: $Q[a, b] = [a^2 + b^2]^{1/2}$