Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 033**

of **Industrieel Advies Centrum (I.A.C.) B.V.**
trading as IAC - Meettechnische Service

This annex is valid from: **12-11-2025** to **01-08-2028** Replaces annex dated: **04-11-2025**

Location(s) where activities are performed under accreditation

Head Office

Doorndistel 28
7891 WT
Klazienaveen
The Netherlands

Location	Abbreviation/ location code
Doorndistel 28 7891 WT Klazienaveen The Netherlands	KL
On site at the customer	OS

HCS code	Measured quantity, Instrument, Measure	Range	CMC[1]	Remarks	Location
DM 0 0	DIMENSIONAL QUANTITIES				
DM 1 0	Length gauges			l = nominal value	
	Steel/steel, ceramics/steel	0.5 mm ≤ l ≤ 100 mm	0.08 µm + $4.0 \cdot 10^{-6} \cdot l$	Gauge block comparator	KL

[1] Calibration and Measurement Capability (CMC): Demonstrated measurement uncertainty, with coverage probability of 95%, in a given measurement point or measurement range. Measurement uncertainty, *U*, is calculated according to EA-4/02 "*Evaluation* of the Uncertainty of Measurement in Calibration".
[1] If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.
[1] If there is a reference to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the RvA-BR010-lijst.

This annex has been approved by the Board of the Dutch Accreditation Council, on its behalf,

J.A.W.M. de Haas

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 033**

of **Industrieel Advies Centrum (I.A.C.) B.V.**
trading as IAC - Meettechnische Service

This annex is valid from: **12-11-2025** to **01-08-2028** Replaces annex dated: **04-11-2025**

HCS code	Measured quantity, Instrument, Measure	Range	CMC[1]	Remarks	Location
DM 1 0	Steel / tungsten	0.5 mm ≤ l ≤ 100 mm	0.08 µm + $5.0 \cdot 10^{-6} \cdot l$	Gauge block comparator	KL
	General, special dimensions	0.5 mm ≤ l ≤ 100 mm	0.08 µm + $4.0 \cdot 10^{-6} \cdot l$	Gauge block comparator in combination with laser-interferometer	KL
	Gauge blocks	l ≤ 1200 mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$	Laser interferometer with Coordinate measuring machine	KL
	Step gauge blocks				
	External dimensions	l ≤ 1200 mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$		KL
	Internal dimensions	0.6 mm ≤ l ≤ 1200 mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$		KL
DM 2 0	Translations / Line scales	l ≤ 30 m	0.015 µm + $0.9 \cdot 10^{-6} \cdot l$		KL, OS
	Lineair displacement	l ≤ 30 m	0.5 µm + $1.5 \cdot 10^{-6} \cdot l$		KL, OS
	Lineair displacement Master Scanner	$0 < l$ ≤ 60 mm	0.3 µm + $5 \cdot 10^{-6} \cdot l$		KL, OS
	Straightness deviation of translation axis	until 1.5 mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$	l ≤ 3 m	KL, OS
	Pitch and yaw deviation of translation axis	until 0.4°	(1.0 + 0.5 · {l / 1 m})"	l ≤ 30 m	KL, OS
	Combined translations			l_1 = smallest translation length l_2 = largest translation length	
	Squareness of 2 translation axis	+/- 1500 mm	$1.5 + 2.0 \cdot 10^{-6} \cdot l_2$	$l_1 \leq l_2 \leq 3$ m Laser with pentagon prism	KL, OS

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 033**

of **Industrieel Advies Centrum (I.A.C.) B.V.**
trading as IAC - Meettechnische Service

This annex is valid from: **12-11-2025** to **01-08-2028** Replaces annex dated: **04-11-2025**

HCS code	Measured quantity, Instrument, Measure	Range	CMC[1]	Remarks	Location
DM 3 0	Length measuring instruments			l = nominal indication/dimension	
	Setting rods, Length gauges with flat or spherical ends	10 mm ≤ l ≤ 600 mm	1.0 µm + $3 \cdot 10^{-6} \cdot l$	Laser interferometer and one axis length measuring machine	KL
	External screw micrometers	l ≤ 600 mm	4.0 µm + $5 \cdot 10^{-6} \cdot l$		KL
	2-point Internal screw micrometers	l ≤ 150 mm	4.0 µm + $5 \cdot 10^{-6} \cdot l$		KL
	3-point Internal screw micrometers	3 mm ≤ l ≤ 150 mm	4.0 µm + $5 \cdot 10^{-6} \cdot l$		KL
	Dail indicators	l ≤ 100 mm	1.0 µm + $5 \cdot 10^{-6} \cdot l$	Laser interferometer Dial gauge tester	KL, OS KL
		l ≤ 25 mm	3.0 µm + $6.5 \cdot 10^{-6} \cdot l$	Dial gauge tester	KL
	Test indicators	l ≤ 2 mm	2.0 µm + $5 \cdot 10^{-6} \cdot l$	Dial gauge tester	KL
	Vertical Height	l ≤ 1 000 mm	1.5 µm + $1.5 \cdot 10^{-6} \cdot l$	Laser interferometer	KL, OS
	Calipers	l ≤ 1.200 mm	9 µm + 0.5·B + $5 \cdot 10^{-6} \cdot l$	B scale division	KL
DM 4 0	Diameter			Parallel and tapered to 1:1 d = nominal diameter	
	Plain plug gauges	0.8 mm ≤ d ≤ 10 mm	2.5 µm + $5 \cdot 10^{-6} \cdot d$	2-D Scanning	KL, OS
		10 mm ≤ d ≤ 320 mm	1.5 µm + $5 \cdot 10^{-6} \cdot d$	2-D Scanning	KL, OS
	Plain plug gauges	0.1 mm ≤ d ≤ 200 mm	1.1 µm + $5 \cdot 10^{-6} \cdot d$	only parallel on universal length measuring machine	KL
	Plain ring gauges	0.79 mm ≤ d ≤ 330 mm	1.5 µm + $5 \cdot 10^{-6} \cdot d$	2-D Scanning	KL, OS
		1.5 mm ≤ d ≤ 300 mm	1.0 µm + $5 \cdot 10^{-6} \cdot d$	only parallel on universal length measuring machine	KL

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 033**

of **Industrieel Advies Centrum (I.A.C.) B.V.**
trading as IAC - Meettechnische Service

This annex is valid from: **12-11-2025** to **01-08-2028** Replaces annex dated: **04-11-2025**

HCS code	Measured quantity, Instrument, Measure	Range	CMC[1]	Remarks	Location
DM 5 0	Form deviations				
	Straightness deviation	1.5 mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$	l = axis length ≤ 3 m	KL, OS
	Roundness deviation			d = nominal diameter	
	External	until 0.3 mm	0.3 µm	0.4 mm ≤ d ≤ 300 mm	KL
	Internal	until 0.3 mm	0.3 µm	1.5 mm ≤ d ≤ 300 mm	KL
	Profile deviation			Parallel and tapered objects to 1:1 d = nominal diameter, in- and external 2-D Scanning	
	Axial length (l_A)	l_A ≤ 275 mm	1.0 µm + $5 \cdot 10^{-6} \cdot l_A$	idem 4.1.8.3 2-D Scanning	KL, OS
	Radial length (l_R)	l_R ≤ 15 mm	1.5 µm + $5 \cdot 10^{-6} \cdot d$	idem 4.1.8.3 2-D Scanning	KL, OS
DM 5 0	Flatness Moody	1 mm	0.5 µm + $0.2 \cdot V$	V = measured flatness deviation. With maximal size ≤ 10 m	KL, OS
	Flatness Flattest	1 mm	0.5 µm + $3 \cdot 10^{-6} \cdot l$	l = diagonal maximum 20 x 30 measurement steps	KL, OS
DM 7 0	Thread quantities			d = nominal diameter, α = flank angle	
	Screw plug gauges			Parallel and tapered with 2-D Scanning Parallel with Length Measuring Machine (LMM)	
	Major diameter, Minor diameter	0.8 mm ≤ d ≤ 320 mm	2.5 µm + $5 \cdot 10^{-6} \cdot d$	2-D Scanning	KL, OS

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 033**

of **Industrieel Advies Centrum (I.A.C.) B.V.**
trading as IAC - Meettechnische Service

This annex is valid from: **12-11-2025** to **01-08-2028** Replaces annex dated: **04-11-2025**

HCS code	Measured quantity, Instrument, Measure	Range	CMC[1]	Remarks	Location
	Pitch diameter, Simple pitch diameter	0.75 mm ≤ d ≤ 320 mm	2.5 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha \geq 27°$, 2-D Scanning	KL, OS
			4.0 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha < 27°$, 2-D Scanning	KL, OS
		0.8 mm ≤ d ≤ 200 mm	3.0 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha = 27°$ of 30°,LMM	KL
			4.0 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha = 15°$, LMM	KL
	Screw ring gauges			Parallel and tapered with 2-D Scanning Parallel with LMM	
DM 7 0	Major diameter, Minor diameter	0.79 mm ≤ d ≤ 10 mm	3.0 µm	2-D Scanning	KL, OS
		10 mm ≤ d ≤ 330 mm	2.5 µm + $5 \cdot 10^{-6} \cdot d$	2-D Scanning	KL, OS
	Pitch diameter, Simple pitch diameter	0.79 mm ≤ d ≤ 10 mm	3.0 µm	$\alpha \geq 27°$, 2-D Scanning	KL, OS
			4.5 µm	$\alpha < 27°$, 2-D Scanning	KL, OS
		10 mm ≤ d ≤ 330 mm	2.5 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha \geq 27°$, 2-D Scanning	KL, OS
			3.5 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha < 27°$, 2-D Scanning	KL, OS
		1.5 mm ≤ d ≤ 10 mm	5.0 µm	$\alpha = 27°$ of 30°, LMM	KL
			6.0 µm	$\alpha = 15°$, LMM	KL
		10 mm ≤ d ≤ 95 mm	4.0 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha = 27°$ of 30°, LMM	KL
		10 mm ≤ d ≤ 200 mm	5.0 µm + $5 \cdot 10^{-6} \cdot d$	$\alpha = 15°$, LMM	KL
	Other screw thread quantities (internal-external thread)			Parallel and tapered to 1:1 external: 1 ≤ d ≤ 330 mm internal: 1 ≤ d ≤ 330 mm	
	Pitch (p)	0.1 mm ≤ p ≤ 40 mm	0.75 µm	2-D Scanning	KL, OS

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **K 033**

of **Industrieel Advies Centrum (I.A.C.) B.V.**
trading as IAC - Meettechnische Service

This annex is valid from: **12-11-2025** to **01-08-2028** Replaces annex dated: **04-11-2025**

HCS code	Measured quantity, Instrument, Measure	Range	CMC[1]	Remarks	Location
DM 7 0	Profile deviations				
	Axial length (l_A)	$l_A \leq 275$ mm	1.0 µm + $5 \cdot 10^{-6} \cdot l_A$	2-D Scanning	KL, OS
	Radial length (l_R)	$l_R \leq 15$ mm	1.5 µm + $5 \cdot 10^{-6} \cdot d$	2-D Scanning	KL, OS
	Flank angle (α)	$10° \leq \alpha \leq 45°$	0.1°	2-D Scanning	KL, OS
	Top angle (β)	$20° \leq \beta \leq 90°$	0.1°	2-D Scanning	KL, OS
	Taper (γ)	$0° \leq \gamma \leq 45°$ (= 1:1)	0.1°	2-D Scanning	KL, OS
DM 8 1	Machine tools, work pieces			l = nominal value	
	Distance between two parallel planes of a product				
	External dimension	$l \leq 1200$ mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$	Laser interferometer with 3D-CMM	KL
	Internal dimension	0.6 mm $\leq l \leq$ 1200 mm	1.0 µm + $1.0 \cdot 10^{-6} \cdot l$	Laser interferometer with 3D-CMM	KL
DM 9 0	Angle				
	Round tables, Index tables, Angle measuring equipment, rotary-axis	360°	1”	Combination of incremental angular encoder with laser-interferometer with angular optics	KL, OS

Remark:
All calibrations with 2-D Scanning are also performed on-site at the customer (OS) under measurement laboratory conditions.