

Annex to declaration of accreditation (scope of accreditation)
 Normative document: EN ISO/IEC 17025:2005
 Registration number: **K 163**

of **NMi Certin B.V.**

This annex is valid from: **24-04-2019** to **01-05-2020**

Replaces annex dated: **28-12-2018**

Location(s) where activities are performed under accreditation

Head Office

Thijsseweg 11
 2629 JA
 Delft
 The Netherlands

Location	Abbreviation/ location code
Thijsseweg 11 2629 JA Delft The Netherlands	De
On site	O

HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
FQ 0 0	Torque				
FQ 0 0	Tension and compression testing machines Creep testing machines Fatigue testing machines Load cells			ISO 7500-1 ISO 7500-2 EN 12390-4 ASTM E4	De
	- compression force	0.2 N - 9 MN	$2.5 \cdot 10^{-3} \cdot F$		
	- tensile force	0.5 N – 16.5 MN	$2.5 \cdot 10^{-3} \cdot F$		

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

J.A.W.M. de Haas
 Director of Operations

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".

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
	- force transfer	(100 - 200) kN (200 - 2000) kN	0.02·f 0.01·f	f = factor	
	- dead weight tester	10 N – 250 kN	$1 \cdot 10^{-4} \cdot F$	ISO 376	
DM 0 0	Dimensional quantities				
DM 2 0	Displacement	(5 - 150) mm (150 - 900) mm	0.05 mm 0.16 mm	ISO 5893	De
	Rate of displacement	(1 - 60) mm/min	0.5 %	ISO 12048	
	Extensometers				
	- displacement	(0 - 60) mm	$0.2 \mu\text{m} + 2 \cdot 10^{-6} \cdot l$	ISO 9513	
TQ 0 0	Force				
TQ 0 0	Pendulum impact Energy testing machines	(0.5 - 750) J	$4.7 \cdot 10^{-3} \cdot E$	EN 10045-2 DIN 51222	De
RM 0 0	Reference materials				
RM 3 0	Hardness meters	Brinell Vickers Rockwell		ISO 6506-2; ASTM E 10 ISO 6507-2; ASTM E 384 ISO 6508-2; ASTM E 18	De
	- test force	0.2 N – 29.42 kN	$2.5 \cdot 10^{-3} \cdot F$		
	- displacement	up to 0.2 mm	0.4 μm		
	- dimension of the depression	(0.02 – 0.2) mm (0.2 – 5.2) mm	0.7 μm 0.3 %		
	- indirect verification with reference blocks	Brinell Vickers Rockwell	2.0 % 2.0 % 3.0 % or 1.2 units		
TF 0 0	Time and frequency				
TF 2 0	Speed meters			“Decreto Ministeriale 13 giu 2017	De, O

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HCS code	Measured quantity, Instrument, Measure	Range	CMC ¹	Remarks	Location
	- Radar	0 – 250 km/h	1.0 km/h	n. 282 - Verifiche iniziali e periodiche di funzionalità e di taratura delle apparecchiature impiegate nell'accertamento delle violazioni dei limiti massimi di velocità, modalità di segnalazione delle postazioni di controllo sulla rete stradale" (Ministerial Decree 13 June 2017 n. 282 – Check speed control devices)	
	- Laser	0 – 250 km/h	1.0 km/h		
	- Detection	0 – 250 km/h	1.0 km/h		

Remark:

All calibrations can also be performed on site.