

Annex to declaration of accreditation (scope of accreditation)  
 Normative document: EN ISO/IEC 17025:2017  
 Registration number: **K 163**

of **NMi Certin B.V.**

This annex is valid from: **26-05-2021** to **01-05-2024**

Replaces annex dated: **16-04-2020**

**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
Rotterdamseweg 402 A5/A6 2629 HH Delft The Netherlands	Ro
On site	O

HCS code	Measured quantity, Instrument, Measure	Range	CMC <sup>1</sup>	Remarks	Location
FQ 0 0	Force				
FQ 0 0	Tension and compression testing machines Creep testing machines Fatigue testing machines	0.2 N - 9 MN 0.5 N – 16.5 MN	2.5·10 <sup>-3</sup> ·F 2.5·10 <sup>-3</sup> ·F	ISO 7500-1 Calibration Chapt. 6 ISO 7500-2 Calibration Chapt. 6	O
	- force transfer	(100 - 200) kN (200 - 2000) kN	0.02·f 0.01·f	f = factor	O

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

J.A.W.M. de Haas

<sup>1</sup> 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 <sup>1</sup>	Remarks	Location
	Load cells:	10 N – 250 kN	$1 \cdot 10^{-4} \cdot F$	ISO 376 Calibration	Ro,
	- compression force	0.2 N - 9 MN	$2.5 \cdot 10^{-3} \cdot F$		Ro, O
	- tensile force	0.5 N – 16.5 MN	$2.5 \cdot 10^{-3} \cdot F$	ISO 7500-1 Calibration Chapt. 6	Ro, O
DM 0 0	Dimensional quantities				
DM 1 4	Displacement	(5 - 150) mm (150 - 900) mm	0.05 mm 0.16 mm		Ro, O
	Rate of displacement	(1 - 60) mm/min	0.5 %		
	Extensometers				
	- displacement	(0 - 60) mm	$0.2 \mu\text{m} + 2 \cdot 10^{-6} \cdot l$	ISO 9513 Calibration	
TQ 0 0	Torque				
TQ 2 0	Mechanical Energy				
TQ 2 1	Pendulum impact testing machines	(0.5 - 750) J	$4.7 \cdot 10^{-3} \cdot E$		Ro, O
RM 0 0	Reference materials				
RM 3 0	Hardness meters	Brinell Vickers Rockwell		ISO 6506-2 Calibration Chapt. 5.4 ISO 6507-2 Calibration Chapt. 5.4 ISO 6508-2 Calibration Chapt. 6	Ro, O
	- test force	0.2 N – 29.42 kN	$2.5 \cdot 10^{-3} \cdot F$		
	- displacement	up to 0.2 mm	0.4 $\mu\text{m}$		
	- dimension of the depression	(0.02 – 0.2) mm (0.2 – 5.2) mm	0.7 $\mu\text{m}$ 0.3 %		
	- indirect verification with reference blocks	Brinell Vickers Rockwell	2.0 % 2.0 % 3.0 % or 1.2 units		