



Organisme belge d'Accréditation  
Belgische Accreditatieinstelling  
Belgische Akkreditierungsstelle  
Belgian Accreditation Body

EA MLA Signatory

Bijlage bij accreditatie-certificaat  
Annexe au certificat d'accréditation  
Annex to the accreditation certificate  
Beilage zur Akkreditierungszertifikat

# 001-CAL

EN ISO/IEC 17025:2017

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**Maureen Logghe**

Voorzitster van het Accreditatiebureau  
La Présidente du Bureau d'Accréditation  
Chair of the Accreditation Board  
Vorsitzende des Akkreditierungsbüro

De accreditatie werd uitgereikt aan / L'accréditation est délivrée à /  
The accreditation is granted to / Die akkreditierung wurde erteilt für:

**TRESCAL nv**  
**Vosstraat, 200**  
**2600 Antwerpen**

Activiteitencentra / Sites d'activités / Sites of activities / Standorte mit aktivitäten:

Locatie 1: BERCHEM	Vosstraat 200 2600 Antwerpen
Locatie 2: WELLIN	Rue Jean Meunier, 2 6922 Wellin
Locatie 3: LOUVAIN-LA-NEUVE	Rue du Bosquet, 7 1348 Ottignies-Louvain-la-Neuve

## Force and Torque Berchem

### Calibration and Measurement Capabilities

#### Force

Measured quantity, instrument or gauge	Range	expanded uncertainty (*)	Remarks	Calibration procedure
Push pull force measuring devices in tension and compression	0,20 N to 5 000 N	$1,0 \times 10^{-4} \times F$	dead weights, f.i. ISO376 and ISO7500-1 <sup>3</sup>	P1-02-M.009 P1-02-M.010 P1-02-M.019
	2 kN to 200 kN	$8,0 \times 10^{-4} \times F$	Generation and measurement by comparison with standard load cells, f.i. ISO376 and ISO7500-1 <sup>3</sup>	
	200 kN to 500 kN	$10 \times 10^{-4} \times F$	Generation and measurement by comparison with standard load cells, f.i. ISO376 and ISO7500-1 <sup>3</sup>	
	500 kN to 1,0 MN	$10 \times 10^{-4} \times F$	Measurement only by comparison with standard load cells, f.i. ISO376 and ISO7500-1 <sup>3</sup>	
Gram force gauges	0,050 N to 500 N	$0,030 \times F$		

#### Torque

Measured quantity, instrument or gauge	Range	expanded uncertainty (*)	Remarks	Calibration procedure
Torque tools	0,1 Nm to 2700 Nm	$8,0 \times 10^{-3} \times M$	Accuracy acc. to ISO 6789 <sup>3</sup>	P2-02-M.011
Torque measuring devices	0,1 Nm to 1 Nm	$1 \times 10^{-3} \times M$	With torque arms and weights	P1-02-M.004
	1 Nm to 200 Nm	$1,0 \times 10^{-3} \times M$		
	200 Nm to 4000 Nm	$0,5 \times 10^{-3} \times M$		

<sup>3</sup> onsite calibration also

(\*) the smallest uncertainty of measurement the laboratory can provide to its customers, expressed as the expanded uncertainty having a coverage probability of approximately 95%.