

Annex to declaration of accreditation (scope of accreditation)
Normative document: EN ISO/IEC 17025:2017
Registration number: **L 208**

of **Materiaal Metingen Testgroep B.V.**
Laboratory

This annex is valid from: **21-03-2024** to **01-04-2028**

Replaces annex dated: **12-04-2023**

Location(s) where activities are performed under accreditation

Head Office

Rietdekkerstraat 16
2984 BM
Ridderkerk
The Netherlands

Location	Abbreviation/ location code
Rietdekkerstraat 16 2984 BM Ridderkerk The Netherlands	Ri
On site	OpLo

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

J.A.W.M. de Haas

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No.	Material or product	Type of activity ¹	Internal reference number	Location
Mechanical tests				
1.	Metals	Determination of mechanical properties; tensile test at room temperature (23±5°C), max. 1000 kN	ML 00101 ASTM A730 NEN-EN-ISO 6892-1	Ri
2.		Determination of mechanical properties; tensile test at room temperature (23±5°C), max. 250 kN	ML 00102 NEN-EN-ISO 6892-1 and ASTM A370	
3.		Determination of mechanical properties; tensile test at elevated temperatures up to 1000°C, max. 250 kN	ML 00103 NEN-EN-ISO 6892-2 and ASTM E21	
4.		Determination of proof strength and ultimate load; tensile test on bolted connections, max. 1000 kN	ML 00104 NEN-EN-ISO 898-1 and NEN-EN-ISO 898-2	
5.		Determination of the energy absorbed in notched-bar impact tests (V-notch and U-notch); Charpy test	ML 00121 NEN-EN-ISO 148-1	
6.		Determination of the energy absorbed in notched-bar impact tests (V-notch and U-notch); Charpy test	ML 00122 ASTM E23 and ASTM A370	
7.		Determination of Brinell hardness	ML 00130 ISO 6506-1 and ISO 6506-4	Ri, OpLo
8.	Metals including hardmetals and other cemented carbides	Determination of Vickers hardness	ML 00131 ISO 6507-1 and ISO 6507-4	Ri
9.	Metals	Determination of Rockwell hardness; HRBW or HRC	ML 00132 ISO 6508-1	
10.	Metals including hardmetals and other cemented carbides	Determination of Vickers hardness (Low force and Micro Vickers hardness)	ML 00134 ISO 6507-1, ISO 6507-4 and ASTM E384	

¹ If there is a referral to a code starting with NAW, NAP, EA or IAF, this concerns a scheme mentioned on the [RvA-BR010-lijst](#).
 If no date or version number is mentioned for a normative document, the accreditation concerns the most current version of the document or scheme.

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11.	Metals	Determination of the ability to undergo plastic deformation in bending, max. 1000kN; Welded joints	ML 00141 NEN-EN-ISO 5173		
12.		Determination of the ability to undergo plastic deformation in bending, max. 1000kN; Not full section tubes and welded joints	ML00149 NEN-EN-ISO 7438		
13.	Metallic tubes	Determination of the ability to undergo plastic deformation in bending of full section circular tubes	ML 00142 ISO 8491		
14.	Metals	Determination of the type, size and distribution of internal imperfections on the fractured surface of welded joints; Fracture test	ML 00154 ISO 9017, AWS, ASME IX		
15.	Metallic tubes of circular cross section	Determination of the ability to undergo plastic deformation by flattening a ring section; Flattening test	ML 00143 NEN-EN-ISO 8492 and A370		
16.		Determination of the ability to undergo plastic deformation in drift expansion; Drift expanding test / Flaring test	ML 00144 NEN-EN-ISO 8493		
17.		Determination of the ability to undergo plastic deformation during flange formation; Flanging test	ML 00145 NEN-EN-ISO 8494		
18.		Determination of the ability to undergo plastic deformation and revealing surface and internal defects by means of expanding a ring section on a conic mandrel; Ring expanding test	ML 00146 NEN-EN-ISO 8495		
19.		Determination of the ability to undergo plastic deformation and revealing surface and internal defects by means of straining a ring section; Ring tensile test	ML 00147 NEN-EN-ISO 8496		
Heat treatments					
20.	Metals	Determination of the hardenability by means of end quenching; Jominy test,	ML 00170 In house method ISO 642 and ASTM A255		Ri

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No.	Material or product	Type of activity ¹	Internal reference number	Location
		executing sensitizing heat treatments and other heat treatments up to 1000°C		
Chemical analysis				
21.	Metals	Determination of the chemical composition of metals (Fe, Al, Cu and Ni-base alloys); Optical emission spectrometry)	ML 00260 E In house method	Ri
22.		Determination of the chemical composition; Mobile optical emission spectrometry	ML 22000 E In house method	Ri, OpLo
23.		Determination of the chemical composition by mobile X-ray fluorescence measurements; PMI(XRF)	ML 21000 E In house method	
Corrosion tests				
24.	Stainless steels	Determination of resistance to intergranular corrosion in austenitic stainless steels; Huey-test	ML 00220 ASTM A262 Practice C	Ri
25.		Determination of the susceptibility to intergranular attack in ferritic, austenitic and Duplex stainless steels; Strauss test	ML 00221 DIN-EN- ISO 3651-2 Method A and ASTM A262 Practice E	
26.		Determination of the resistance to pitting corrosion of stainless steels and nickel-base, chromium bearing alloys.	ML 00223 ASTM G48 Method A	
27.		Determination of the presence of detrimental intermetallic phases in Duplex stainless steels	ML 00227 ASTM A923 Practice C	
28.		Determination of iron contamination (free iron or iron oxide) on the surface of stainless steel parts and components; Ferroxyl test	ML 34101 E ASTM A380	
Metallographic examinations				
29.	Duplex stainless steel	Determination of the volume fraction of ferrite (delta-ferrite) in Duplex stainless steels	ML 00302 E In house method ASTM E562	Ri

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No.	Material or product	Type of activity ¹	Internal reference number	Location
30.		Determination of the ferrite (delta-ferrite) content; Mobile testers	ML 23000 E In house method and NEN-EN-ISO 8249	Ri, OpLo
31.	Cast iron, duplex stainless steel and chromium carbide precipitates in austenitic stainless steels	Determination of grain size and classification of graphite in type distribution and size; Etching method an visual test.	ML 00300 ASTM A247, E3, E112, E340, E407, ASTM E883, E381, A923 Method A, ASTM A262 Practice A, NEN-EN-ISO 643, ISO 945-1	Ri

Opinions and Interpretations

32.	Metal products and constructions	Metallographic failure analysis including opinions and interpretations, using the testing methods specified in this list	ML 00303 in house method	Ri, OpLo
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