



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

**Huck International Inc.-Waco dba
Howmet Fastening Systems
8001 Imperial Drive
Waco, TX 76712**

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R.D.L.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 12 September 2024

Certificate Number: L2054-1



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**Huck International Inc.-Waco dba
Howmet Fastening Systems**

8001 Imperial Drive
Waco, TX 76712
Dennis Howard 254 751 5212

TESTING

Valid to: **September 12, 2024**

Certificate Number: **L2054-1**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Rockwell Hardness	ASTM E18	Fasteners	A, B, C
Rockwell Superficial	ASTM E18		15T, 30T
Microhardness Vickers	ASTM E384	Fasteners	
Tensile Strength	IFI 135; MIL-STD 1312-8 A Mod	Fasteners	Modified test due to fastener design
Flat/Wedge Tensile Strength	ISO 3506-1	Threaded Fasteners	
Discontinuities	SAE J123	Fasteners	
Shear	IFI 135; MIL-STD 1312-20 Mod	Fasteners	Modified test due to fastener design
Salt Spray	ASTM B117 Mod	Fasteners	Modified for sample placement
Preload Clamp	Internal WI 4.10.41; Internal WI 4.10.41.a	Fasteners	
Plating Thickness	ASTM B499; ASTM B568	Fasteners	(0 to 0.015) in
Metallographic Evaluation: Decarburization	SAE J121 Mod	Fasteners	Modified test due to fastener design
Push-out	ASTM F606 Mod; ASTM F606 M Mod	Fasteners	Modified test due to fastener design
Pin Retention	IFI 135	Fasteners	
Pin Break	ASTM F606 Mod; ASTM F606 M Mod; IFI 135; SAE J429	Fasteners	Modified test due to fastener design

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Torque/Clamp Force Testing	ISO 16047 Customer Specification	Threaded Fasteners	

Note:

- This scope is formatted as part of a single document including Certificate of Accreditation No. L2054-1.



R. Douglas Leonard Jr., VP, PILR SBU

