



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

ELLWOOD CITY FORGE ¹
800 Commercial Ave.
Ellwood City, PA 16117
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MECHANICAL

Valid To: March 31, 2021

Certificate Number: 3143.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above, *as well as the two satellite laboratory locations listed below*, to perform the following tests on Open Die Steel Forgings made from Carbon, Alloy and Stainless Steels:

<u>Test:</u>	<u>Test Method(s):</u>
Micro-Cleanliness	ASTM E45
Macro-Etch	ASTM A604/A604M, E340, E381
Grain Size	ASTM E112 (Comparison Method Only)
Charpy Impact	ASTM A370, E23
Tensile	ASTM A370, E8/E8M
Brinell Hardness (3000 kg/10 mm HBW ball)	ASTM A370, E10
Leeb (Equotip) Hardness [HBW(HLG)]	ASTM A956/A956M

¹This accreditation covers testing performed at the main laboratory listed above, and at the two satellite laboratories indicated below:

ELLWOOD MILL PRODUCTS
712 Moravia Street
New Castle, PA 16101

<u>Test:</u>	<u>Test Method(s):</u>
Brinell Hardness (3000 kg/10 mm HBW ball)	ASTM A370, E10
Leeb (Equotip) Hardness [HBW(HLG)]	ASTM A956/A956M

ELLWOOD CITY FORGE
101 Early Street
Ellwood City, PA 16117

<u>Test:</u>	<u>Test Method:</u>
Brinell Hardness (3000 kg/10 mm HBW ball)	ASTM A370, E10
Leeb (Equotip) Hardness [HBW(HLG)]	ASTM A956 /A956M



Accredited Laboratory

A2LA has accredited

ELLWOOD CITY FORGE

Ellwood City, PA

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. 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*).



Presented this 1st day of April 2019.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3143.01
Valid to March 31, 2021

For the tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.