



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 17025:2005 *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 8 January 2009).



Presented this 28th day of March 2017.

A handwritten signature in blue ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 3143.01
Valid to March 31, 2019

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ELLWOOD CITY FORGE ¹
 800 Commercial Ave.
 Ellwood City, PA 16117
 Stephen Timko Phone: 800 843 0166 x 3112
stimko@elwd.com

MECHANICAL

Valid To: March 31, 2019

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
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

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

ELLWOOD CITY FORGE
 101 Early Street
 Ellwood City, PA 16117

<u>Test:</u>	<u>Test Method:</u>
Leeb (Equotip) Hardness [HBW(HLG)]	ASTM A956

(A2LA Cert. No. 3143.01) 03/28/2017


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