



## ASTM B557

### Standard Test Method for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric)

These test methods cover the tension testing of wrought and cast aluminum- and magnesium alloy products, excepting aluminum foil, and are derived from Test Methods E 8M, which cover the tension testing of all metallic materials.

Tension tests provide information of the strength and ductility of materials under uniaxial tensile stresses. This information may be useful in comparisons of materials, alloy development, quality control, and design under certain circumstances. The results of tension tests of specimens machined to standardized dimensions from selected portions of a part or material may not totally represent the strength and ductility properties of the entire end product or its in-service behavior in different environments. These test methods are considered satisfactory for acceptance testing of commercial shipments and have been used extensively in the trade for this purpose.

If you have any questions concerning this particular ASTM method, please feel free to give our office a call at (800) 334-5432 or email us your inquiry at [info@nhml.com](mailto:info@nhml.com).

**(B557, B-557, B 557)**

ASTM Standard B557, 2007, "Standard Test Method for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric)," ASTM International, West Conshohocken, PA, 2007, DOI: 10.1520/B557-06, [www.astm.org](http://www.astm.org).