



Designation: A1092 – 15 (Reapproved 2020)

# Standard Specification for Steel Sheet, as Cold-Reduced, for Conversion to Annealed Cold-Rolled Steel Sheet, and Hot Dip Metallic-Coated Steel Sheet<sup>1</sup>

This standard is issued under the fixed designation A1092; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon ( $\epsilon$ ) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This specification covers the requirements for as cold-reduced steel sheet in coils intended for conversion into cold-rolled steel sheet on continuous annealing lines, and metallic-coated steel sheet on continuous hot-dip coating lines.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.3 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

## 2. Referenced Documents

2.1 *ASTM Standards:*<sup>2</sup>

[A308/A308M](#) Specification for Steel Sheet, Terne (Lead-Tin Alloy) Coated by the Hot-Dip Process (Withdrawn 2015)<sup>3</sup>

[A463/A463M](#) Specification for Steel Sheet, Aluminum-Coated, by the Hot-Dip Process

[A568/A568M](#) Specification for Steel, Sheet, Carbon, Structural, and High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, General Requirements for

[A653/A653M](#) Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

[A792/A792M](#) Specification for Steel Sheet, 55 %

[Aluminum-Zinc Alloy-Coated by the Hot-Dip Process A875/A875M](#) Specification for Steel Sheet, Zinc-5 % Aluminum Alloy-Coated by the Hot-Dip Process

[A924/A924M](#) Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process

[A929/A929M](#) Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe

[A1008/A1008M](#) Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable

[A1046/A1046M](#) Specification for Steel Sheet, Zinc-Aluminum-Magnesium Alloy-Coated by the Hot-Dip Process

[A1063/A1063M](#) Specification for Steel Sheet, Twin-Roll Cast, Zinc-Coated (Galvanized) by the Hot-Dip Process

[A1079](#) Specification for Steel Sheet, Complex Phase (CP), Dual Phase (DP) and Transformation Induced Plasticity (TRIP), Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

[A1088](#) Specification for Steel, Sheet, Cold-Rolled, Complex Phase (CP), Dual Phase (DP) and Transformation Induced Plasticity (TRIP)

## 3. Terminology

3.1 *Definitions:*

3.1.1 *as cold-reduced steel sheet, n*—an as-rolled product intended for conversion to annealed cold-rolled steel sheet product or hot-dip metallic-coated steel sheet product.

3.1.1.1 *Discussion*—As a result of the high degree of cold reduction as cold-reduced steel sheet exhibits high tensile strength with very minimal ductility.

## 4. Classification

4.1 The material is in a semi-finished form intended for conversion to cold-rolled steel sheet, or hot-dip metallic-coated steel sheet whose designations are described in the following specifications:

4.1.1 [A308/A308M](#) Specification for Steel Sheet, Terne (Lead-Tin Alloy) Coated by the Hot-Dip Process,

<sup>1</sup> This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.19 on Steel Sheet and Strip.

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<sup>2</sup> For referenced ASTM standards, visit the ASTM website, [www.astm.org](http://www.astm.org), or contact ASTM Customer Service at [service@astm.org](mailto:service@astm.org). For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.

<sup>3</sup> The last approved version of this historical standard is referenced on [www.astm.org](http://www.astm.org).