



SURFACE VEHICLE RECOMMENDED PRACTICE

J1058™

MAR2024

Issued 1976-02
Reaffirmed 2015-04
Stabilized 2024-03

Superseding J1058 APR2015

Standard Sheet Steel Thickness and Tolerances

RATIONALE

This technical report is being stabilized because it covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

STABILIZED NOTICE

This document has been declared "STABILIZED" by SAE Metals Technical Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2024 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
<http://www.sae.org>

SAE WEB ADDRESS:

Full document details: SAE J1058_202403

For more information on this standard, visit
https://www.sae.org/standards/content/J1058_202403/

Documents
Document Sharing Hub

1. Scope—This SAE Recommended Practice provides an orderly series for designating the thickness of uncoated and coated hot-rolled and cold-rolled sheet and strip. This document also provides methods for specifying thickness tolerances.

1.1 Requirements of industry permit leeway in the choice of thickness in some instances, but it is recognized that for many applications, particularly the tonnage requirements of the mass production industries, thickness is normally determined by critical engineering design or manufacturing considerations. However, for general applications or where requirements permit some latitude in the selection of thickness, the preferred thickness given in Table 1 will facilitate interchangeability of different metals in design, reduce inventory, and increase the availability in warehouse stocks of thicknesses commonly required for general applications.

1.2 All of the thicknesses listed are not necessarily produced in all metals and grades. Producers or distributors must be consulted to determine availability of a particular thickness for a given metal product.

2. References

2.1 Applicable Publications—The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 ASTM PUBLICATIONS—Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM A 463-88—Steel Sheet, Cold-Rolled, Aluminum-Coated, Type 1 and Type 2

ASTM A 568-91—Steel Sheet, Carbon and High Strength, Low Alloy, Hot-Rolled and Cold-Rolled

ASTM A 591-91—Sheet Steel, Electrolytic Zinc-Coated, for Light Coating Mass Applications

ASTM A 635-91—Steel Sheet and Strip, Heavy-Thickness Coils, Carbon, Hot-Rolled

ASTM A 792-85—Steel Sheet, Aluminum-Zinc Alloy-Coated by the Hot-Dip Process

ASTM A 924-94—Steel Sheet, Metallic Coated by the Hot Dip Process