

# American National Standard

## *Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames*

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Approved August 18, 2020



# American National Standard

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American National Standard

Recommended Practice  
for Hardware Reinforcing  
on Standard Steel Doors and Frames

Secretariat  
**Steel Door Institute**

Approved August 18, 2020  
**American National Standards Institute, Inc.**

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## **Foreword** (This Foreword is not part of American National Standard A250.6-2020)

The first edition of this standard was developed under the auspices of the Technical Committee of the Steel Door Institute and published in 1978 as SDI-107 Hardware on Steel Doors (Reinforcement – Application). In 1994, the word “standard” was added to the document’s title and the decision was made to promulgate SDI-107 as an American National Standard. A250.6 was officially approved by the American National Standards Institute on October 22, 1997. Substantive changes between SDI-107 and the revised and redesignated A250.6-1997 Hardware on Standard Steel Doors (Reinforcement – Application) include the addition of metric equivalents, revised tap and drill sizes to eliminate those that are not recommended, and a better definition for “factory mortise.”

In 2001, the TC-1 Committee of the Accredited Standards Committee A250 initiated the 5-year review process, and changed the title of A250.6 to Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames to more accurately define the content of the standard. In addition, this revision includes the following substantive changes: Addition of Appendices A and B, both informative; discontinuation of the use of “gauge” in favor of decimal equivalents; addition of information relating to continuous hinges; redefinition of the scope to exclude “architecturally specified or specialized conditions.”

In 2015, A250.6 was revised due to the following updates: Figure 1 – title changed from “Rigidity of angle or channel versus plate” to “Examples of equivalent reinforcing methods”; Figure 6 – Sex-bolted changed to “proper thru-bolting. Description changed from sex nut full door thickness” to “Grommet nut of sex bolt or barrel nut spans full door thickness”; Figure 7 – “Grommet nut does not span full door thickness changed to “Grommet nut of sex bolt or barrel nut does not span full door thickness”; Section 1.3.1 – “equal strength” was changed to “equal strength, pull-out strength”

In 2020 the standard was balloted and approved as a revision, due to updates in the “Reference documents” section.

Suggestions for improvement gained in the use of this standard will be welcome, and should be sent to the Steel Door Institute, 30200 Detroit Road, Cleveland, Ohio 44145-1967.

The organizations of the Accredited Standards Committee A250 that have approved this standard are as follows:

Builders Hardware Manufacturers Association  
Canadian Steel Door Manufacturers Assoc.  
Cedar Valley Associates  
D. H. Pace Company  
Door and Hardware Institute  
Door Control Services  
ESTM Services, LLC  
HMMA/Division of NAAMM  
Intertek  
MasterSpec  
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