



UL 14C

STANDARD FOR SAFETY

Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs

UL Standard for Safety for Swinging Hardware for Standard Tin-Clad Fire Doors Mounted Singly and in Pairs, UL 14C

Eighth Edition, Dated October 27, 2006

Summary of Topics

This revision of ANSI/UL 14C dated October 1, 2021 is being issued to update the title page to reflect the most recent designation as a Reaffirmed American National Standard (ANS). No technical changes have been made.

Text that has been changed in any manner or impacted by UL's electronic publishing system is marked with a vertical line in the margin.

The requirements are substantially in accordance with Proposal(s) on this subject dated August 13, 2021.

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Standard for Swinging Hardware for Standard Tin-Clad Fire Doors Mounted

Singly and in Pairs

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October 27, 2006

This ANSI/UL Standard for Safety consists of the Eighth edition including revisions through October 1, 2021.

The most recent designation of ANSI/UL 14C as a Reaffirmed American National Standard (ANS) occurred on October 1, 2021. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, and Title Page.

The Department of Defense (DoD) has adopted UL 14C on October 29, 1984. The publication of revised pages or a new edition of this Standard will not invalidate the DoD adoption.

Comments or proposals for revisions on any part of the Standard may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at <https://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements apply to hardware for swinging fire doors which have demonstrated in fire tests fire-resistive properties warranting their use with two-ply and three-ply tin-clad fire doors tested in accordance with the Standard for Fire Tests of Door Assemblies, UL 10B (NFPA No. 252).

1.2 Requirements for the location and time rating required for fire doors are contained in the International Building Code (IBC). Requirements for the installation of swinging two-ply and three-ply tin-clad fire doors are included in the Standard for Fire Doors and Other Opening Protectives, NFPA No. 80.

1.3 The hardware included in these requirements is intended for mounting standard two-ply and three-ply tin-clad swinging fire doors for protection of openings not exceeding the dimensions for the hourly classifications indicated in [Table 1.1](#).

Table 1.1
Limitations in types and dimensions

Type of door	Maximum area,		Maximum width,		Maximum height,		Hourly rating or class designation
	square feet	(m ²)	feet	(m)	feet	(m)	
3-ply, single	—	—	6	1.8	12	3.6	3, 1-1/2, 1, 3/4
3-ply, in pairs	—	—	10	3.1	12	3.6	3, 1-1/2, 1, 3/4
2-ply, single	—	—	6	1.8	10	3.1	1-1/2, 1, 3/4
2-ply, in pairs	80	7.4	10	3.1	10	3.1	1-1/2, 1, 3/4

1.4 These requirements do not cover automatic releasing or closing mechanisms.

1.5 *Deleted*

2 Units of Measurement

2.1 When a value for measurement is followed by a value in other units in parentheses, the second value is only approximate. The first stated value is the requirement. SI units as employed are in accordance with the Standard for Practice for Use of the International System of Units (SI) (the Modernized Metric System) ASTM E380-91a.

2.2 The tolerance for all dimensions shall be as specified with the dimension. Where no tolerance is shown, the tolerances specified in Appendix B shall apply. See Appendix B for specifications.

3 Undated References

3.1 Any undated reference to a code or standard appearing in the requirements of this standard shall be interpreted as referring to the latest edition of that code or standard.

CONSTRUCTION

4 General

4.1 Each complete set of hardware for swinging tin-clad fire doors shall include: