



UL 687

Underwriters Laboratories Inc. Standard for Safety

Burglary-Resistant Safes



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UL Standard for Safety for Burglary-Resistant Safes, UL 687

Fifteenth Edition, Dated July 19, 2011

Summary of Topics

This new edition of UL 687 includes the following changes in requirements:

Revised One Inch Thick Steel Equivalency Parameters in 5.1.5, 6.1.5, and 9.1.5; and

Deleted Water Flow Test Parameters for Torch and Explosives Rated Safes.

The new and revised requirements are substantially in accordance with Proposal(s) on this subject dated December 3, 2010.

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The requirements in this Standard are now in effect, except for those paragraphs, sections, tables, figures, and/or other elements of the Standard having future effective dates as indicated in the note following the affected item. The prior text for requirements that have been revised and that have a future effective date are located after the Standard, and are preceded by a "SUPERSEDED REQUIREMENTS" notice.

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Fifteenth Edition

July 19, 2011

This ANSI/UL Standard for Safety consists of the Fifteenth Edition.

The most recent designation of ANSI/UL 687 as an American National Standard (ANSI) occurred on July 19, 2011. ANSI approval for a standard does not include the Cover Page, Transmittal Pages, Title Page, or effective date information.

The Department of Defense (DoD) has adopted UL 687 on June 10, 1976. 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 <http://csds.ul.com>.

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INTRODUCTION

1 Scope

1.1 These requirements cover combination locked burglary-resistant safes classified as follows:

a) Test attack against the door and front face:

- 1) Tool-Resistant Safe – Class TL-15
- 2) Tool-Resistant Safe – Deposit Safe
- 3) Tool-Resistant Safe – Class TL-30
- 4) Torch- and Tool-Resistant Safe – Class TRTL-30

b) Test attack against the door and body:

- 1) Tool-Resistant Safe – Class TL-15X6
- 2) Tool-Resistant Safe – Class TL-30X6
- 3) Torch- and Tool-Resistant Safe – Class TRTL-15X6
- 4) Torch- and Tool-Resistant Safe – Class TRTL-30X6
- 5) Torch- and Tool-Resistant Safe – Class TRTL-60X6
- 6) Torch-, Explosive-, and Tool-Resistant Safe – Class TXTL-60X6

1.2 These requirements do not cover night depositories intended to receive deposits from outside a building into a receiving safe inside a building. Such requirements are in the Standard for Night Depositories, UL 771.

1.3 A safe classified as TL-15, TL-30, TL-15X6, or TL-30X6 may be constructed with an opening in the body for connection to the chute of a night depository. A safe classified as TL-15 or TL-30 that has a body constructed of solid metal may be marked to provide for an opening to be cut into the body in the field for connection to the chute of a night depository.