

BS 8607:2014+A1:2016



BSI Standards Publication

Mechanically operated push-button locksets – Requirements and test methods

bsi.

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2016

Published by BSI Standards Limited 2016

ISBN 978 0 580 93199 4

ICS 19.060; 91.190

The following BSI references relate to the work on this document:

Committee reference B/538/4

Drafts for comment 13/30277228 DC, 16/30337044 DC

Publication history

First published April 2014

Amendments issued since publication

Date	Text affected
July 2016	A1 - See Foreword

Contents

Foreword *ii*

1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Application grade	2
5	Lockset	2
6	Durability of keypad	6
7	Key override	7
8	General vulnerability assessment (GVA)	7
9	Marking	7
10	Information supplied by the manufacturer	8

Annexes

Annex A (informative)	Use on fire/smoke-resisting doors	9
Annex B (normative)	Test for next closest combination	9
Annex C (normative)	General vulnerability assessment	9
Annex D (normative)	Assessment panel	13

Bibliography 15

List of tables

Table 1	– Lockset requirements (grades 1, 2 and 3)	2
Table 2	– Lockset requirements (grades 4 and 5)	4
Table 3	– Alternative requirements for grade 4 lockset with cylinder operated additional locking unit	6
Table 4	– Key override requirements	7
Table 5	– General vulnerability assessment	7
Table C.1	– List of tools permitted for use in the general vulnerability assessment	11

Summary of pages

This document comprises a front cover, an inside front cover, pages i to ii, pages 1 to 16, an inside back cover and a back cover.

Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 30 April 2014. It was prepared by Subcommittee B/538/4, *Building hardware*, under the authority of Technical Committee B/538/1, *Windows and doors*. A list of organizations represented on these committees can be obtained on request to their secretary.

Supersession

This British Standard supersedes BS 8607:2014, which is withdrawn.

Relationship with other publications

This British Standard incorporates the requirements of BS EN 12209 for mechanically operated locks, latches and locking plates. It uses specific performance grades from BS EN 12209 to specify the appropriate levels of performance. It also includes the requirements of BS EN 1906, BS 3621, PAS 24, and, for the override cylinder (where applicable), BS EN 1303.

Use of this document

It is important that doors and their frames, to which mechanically operated push-button locksets are attached, are of adequate strength to suit the lock assembly and are designed to prevent access other than by attacking the lock assembly.

In order to offer a robust and reliable set of criteria for locksets offering high levels of resistance to potential burglars and thieves, it is likely that this British Standard will be subject to frequent revision. Users therefore need to ensure that they are referring to the most recent edition.

It has been assumed in the preparation of this British Standard that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Text introduced or altered by Amendment No. 1 is indicated in the text by tags **A1** **A1**. Minor editorial changes are not tagged.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

Particular attention is drawn to the Construction Product Regulations 2013 [1].

1 Scope

This British Standard specifies requirements and test methods for durability, strength and function of mechanically operated push-button locksets and their locking plates for use on doors, window doors and entrance doors in buildings.

This British Standard includes requirements for locksets intended for use on fire-resisting and smoke control doors. It does not specify requirements for locksets intended for use on final exit doors on escape routes, which are covered in BS EN 179.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 3621, *Thief resistant lock assembly – Key egress*

BS 7398:1991, *Specification for hand hacksaw frames*

BS EN 1303:2015, *Building hardware – Cylinders for locks – Requirements and test methods*

BS EN 1906:2012, *Building hardware – Lever handles and knob furniture – Requirements and test methods*

BS EN 12209:2016, *Building hardware – Locks and latches – Mechanically operated locks, latches and locking plates – Requirements and test methods*

PAS 24:2016, *Enhanced security performance requirements for doorsets and windows in the UK – Doorsets and windows intended to offer a level of security suitable for dwellings and other buildings exposed to comparable risk*

3 Terms and definitions

For the purposes of this British Standard, the terms and definitions given in BS EN 12209:2016 and the following apply.

3.1 effective combination

<non-sequential push-button units> unique group of available numbers or letters that can be entered in any order to achieve/enable unlocking

3.2 effective combination

<sequential push-button units> unique sequence of available numbers or letters that have to be entered in the right order to achieve/enable unlocking

3.3 integral additional locking unit

optional locking arrangement which cannot be separated from the mechanically operated push-button lock without dismantling, bolt withdrawal of which cannot be achieved/enabled by entering a correct code, or (where applicable) by using the key override facility

3.4 key override

facility that allows a key to withdraw the locking bolt without entering the code

3.5 mechanically operated push-button lockset

locking mechanism and set of operating furniture supplied as a unit, incorporating a push-button keypad on one or both sides

NOTE This is referred to throughout this British Standard as a “lockset”.