



BSI Standards Publication

Furniture - Seating - Determination of stability

National foreword

This British Standard is the UK implementation of EN 1022:2018. It supersedes BS EN 1022:2005, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FW/0/2, Domestic and Contract Furniture.

A list of organizations represented on this committee can be obtained on request to its secretary.

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

© The British Standards Institution 2018
Published by BSI Standards Limited 2018

ISBN 978 0 580 89694 1

ICS 97.140

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

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2018.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1022

November 2018

ICS 97.140

Supersedes EN 1022:2005

English Version

Furniture - Seating - Determination of stability

Mobilier - Sièges - Détermination de la stabilité

Möbel - Sitzmöbel - Bestimmung der Standsicherheit

This European Standard was approved by CEN on 1 July 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Contents

Page

European foreword.....	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 General test conditions	7
4.1 General	7
4.2 Application of forces	8
4.3 Tolerances	8
5 Test equipment	8
5.1 General	8
5.2 Loading point template	8
5.3 Floor	10
5.4 Stops	10
5.5 Stability loading pad	10
5.6 Stability loading device	11
5.7 Loading discs	13
5.8 Support apparatus	13
5.9 Support for tests for reclining back rests	13
5.10 Local loading pad	13
5.11 Seat loading pad	13
6 Determination of seat and back loading points	14
6.1 Swivelling seats	14
6.1.1 Seat loading point "A"	14
6.1.2 Back loading point "B"	15
6.2 All other seating	15
6.2.1 General	15
6.2.2 Seating with a back rest	15
6.2.3 Seating without a back rest	15
6.3 Loungers	17
6.4 Determination of height of seat loading point	17
7 Test methods for assessing stability of all seating except loungers	17
7.1 General	17
7.2 Requirements	18
7.3 Test procedures, all seating	18
7.3.1 Forwards overturning	18
7.3.2 Forwards overturning for seating with foot rest	21
7.3.3 Corner stability test	21
7.3.4 Sideways overturning, all seating without arm rests	23
7.3.5 Sideways overturning, all other seating	24
7.3.6 Rearwards overturning all seating with back rests	26
7.4 Additional test procedures for seating with reclining back rests	27
7.4.1 General	27
7.4.2 Tilting seating	27
7.4.3 Reclining seating with leg rest	28
7.4.4 Reclining seating without leg rest	30
7.4.5 Rearwards stability test for rocking chairs	31

8	Loungers	32
8.1	General	32
8.2	Requirements.....	33
8.3	Test procedures	33
8.3.1	Forwards overturning.....	33
8.3.2	Sideways overturning	33
9	Test report	34
	Annex A (normative) Seat loading pad data.....	35
	Annex B (normative) Test parameters	38
B.1	All seating other than loungers	38
B.2	Loungers	39