

INTERNATIONAL  
STANDARD

ISO  
23767

First edition  
2021-07

---

---

---

**Children's furniture — Mattresses for  
cots and cribs — Safety requirements  
and test methods**



Reference number  
ISO 23767:2021(E)

This is a preview. Click here to purchase the full publication.

© ISO 2021



## **COPYRIGHT PROTECTED DOCUMENT**

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

|   | Page      |
|---|-----------|
| <b>Foreword</b>   | <b>iv</b> |
| <b>1 Scope</b>  | <b>1</b>  |
| <b>2 Normative references</b>                                 | <b>1</b>  |
| <b>3 Terms and definitions</b>                                | <b>1</b>  |
| <b>4 General test conditions</b>                              | <b>2</b>  |
| 4.1 Preliminary preparation                                   | 2         |
| 4.2 Application of forces                                     | 2         |
| 4.3 Tolerances  | 2         |
| <b>5 Test equipment</b>                                       | <b>3</b>  |
| 5.1 Measuring table   | 3         |
| 5.2 Stops   | 3         |
| 5.3 Square aluminium alloy tube                               | 3         |
| 5.4 Loading pad   | 3         |
| 5.5 Test template for determination of the indentation depth  | 4         |
| 5.6 Spherical load for determination of the indentation depth | 4         |
| 5.7 Test foam   | 4         |
| 5.8 Small parts cylinder                                      | 4         |
| 5.9 Feeler gauge  | 5         |
| 5.10 Cone   | 5         |
| 5.11 Probe  | 6         |
| <b>6 Chemical hazards</b>                                     | <b>6</b>  |
| <b>7 Fire and thermal hazards (see A.3)</b>                   | <b>6</b>  |
| <b>8 Mechanical hazards</b>                                   | <b>6</b>  |
| 8.1 Entrapment hazards from gaps and openings (see A.4.2)     | 6         |
| 8.1.1 Entrapment hazards between the mattress and the sides   | 6         |
| 8.1.2 Body entrapment hazards                                 | 7         |
| 8.1.3 Entanglement hazards (see A.4.3)                        | 7         |
| 8.2 External suffocation hazards (see A.4.4)                  | 7         |
| 8.2.1 Labels and decals on the mattress                       | 7         |
| 8.2.2 Plastic packaging                                       | 7         |
| 8.2.3 Firmness  | 8         |
| 8.3 Choking and internal suffocation hazards (see A.4.5)      | 10        |
| 8.3.1 Small parts   | 10        |
| 8.3.2 Accessibility to filling materials                      | 11        |
| 8.4 Hazards due to edges and protrusions (see A.4.6)          | 13        |
| 8.5 Structural integrity (see A.4.7)                          | 13        |
| 8.5.1 Shrinkage   | 13        |
| 8.5.2 Hazards due to deformation of the filling               | 14        |
| <b>9 Product information (see A.4.8)</b>                      | <b>14</b> |
| 9.1 Marking   | 14        |
| 9.2 Purchase information                                      | 14        |
| 9.3 Instruction for use                                       | 15        |
| <b>Annex A (informative) Rationales</b>                       | <b>17</b> |
| <b>Annex B (informative) Colorants</b>                        | <b>20</b> |
| <b>Bibliography</b>   | <b>21</b> |