

# DIN EN 16121:2025-08 (E)

## Non-domestic storage furniture - Requirements for safety, strength, durability and stability (includes Corrigendum :2025)

---

<b>Contents</b>	<b>Page</b>
European foreword .....	4
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Test sequence and tolerances</b> .....	<b>8</b>
4.1 Individual units .....	8
4.2 Range of units .....	8
4.3 Tolerances .....	8
<b>5 Safety requirements</b> .....	<b>8</b>
5.1 Principles of safety requirements.....	8
5.1.1 General.....	8
5.1.2 Determination of centre of gravity .....	9
5.1.3 Determination of total mass .....	9
5.2 General safety requirements .....	9
5.3 Holes in tubular/rigid components.....	10
5.4 Shear and compression points .....	10
5.4.1 Shear and compression points when setting up and folding .....	10
5.4.2 Shear and compression points under influence of powered mechanisms.....	10
5.4.3 Shear and compression points during use.....	10
5.5 Hinged horizontal lids.....	11
5.6 Vertical glass components .....	11
5.7 Stability.....	11
5.8 Structural safety .....	13
5.8.1 Structural safety tests.....	13
5.8.2 Structural safety requirements .....	15
<b>6 Strength and durability</b> .....	<b>15</b>
6.1 General.....	15
6.2 Strength and durability requirements .....	17
<b>7 Information for use</b> .....	<b>17</b>
<b>8 Test report</b> .....	<b>17</b>
<b>Annex A (normative) Test methods for finger entrapment and shear and compression</b> .....	<b>19</b>
A.1 Finger entrapment .....	19
A.1.1 Test equipment.....	19
A.1.2 Test method .....	20
A.2 Shear and compression.....	23
A.2.1 Test equipment.....	23
A.2.2 Test method - Shear and compression points created under the influence of powered mechanisms .....	23
A.2.3 Test method — Shear and compression points created during normal use.....	24

<b>Annex B (normative) Requirements for primary schools, kindergartens and similar applications .....</b>	<b>25</b>
<b>B.1 General .....</b>	<b>25</b>
<b>B.2 Requirements.....</b>	<b>25</b>
<b>B.2.1 Shear and compression points.....</b>	<b>25</b>
<b>B.2.2 Principles of safety requirements .....</b>	<b>25</b>
<b>B.2.3 General safety requirements.....</b>	<b>25</b>
<b>B.2.4 Glass.....</b>	<b>25</b>
<b>B.2.5 Stability .....</b>	<b>25</b>
<b>B.2.6 Strength and durability - drop test for trays .....</b>	<b>25</b>
<b>B.3 Additional requirements for furniture for kindergartens.....</b>	<b>26</b>
<b>B.3.1 Finger entrapment .....</b>	<b>26</b>
<b>B.3.2 Shear and compression points under the influence of powered mechanisms .....</b>	<b>26</b>
<b>B.3.3 Shear and compression points during use .....</b>	<b>26</b>
<b>Annex C (normative) Selecting product from a range of furniture - Range of units .....</b>	<b>27</b>
<b>Annex D (informative) Guidance of test severity in relation to application for non-domestic storage furniture.....</b>	<b>28</b>
<b>Annex E (informative) Suggested loads for tests not specified in this document.....</b>	<b>29</b>
<b>E.1 Suggested loads .....</b>	<b>29</b>
<b>E.1.1 General .....</b>	<b>29</b>
<b>E.1.2 Stability .....</b>	<b>29</b>
<b>E.1.3 Strength and durability .....</b>	<b>29</b>