

# DIN EN 913:2019-04 (E)

## Gymnastic equipment - General safety requirements and test methods

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
<b>1</b>	<b>Scope .....</b>	<b>4</b>
<b>2</b>	<b>Normative references .....</b>	<b>4</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>4</b>
<b>4</b>	<b>Risk assessment .....</b>	<b>5</b>
<b>5</b>	<b>General safety requirements .....</b>	<b>6</b>
<b>5.1</b>	<b>Materials .....</b>	<b>6</b>
<b>5.2</b>	<b>Surface finish .....</b>	<b>6</b>
<b>5.3</b>	<b>Entrapment .....</b>	<b>7</b>
<b>5.3.1</b>	<b>Gaps and shearing/crushing points .....</b>	<b>7</b>
<b>5.3.2</b>	<b>Transport system .....</b>	<b>8</b>
<b>5.3.3</b>	<b>Floor fixings .....</b>	<b>8</b>
<b>5.4</b>	<b>Stability and strength .....</b>	<b>8</b>
<b>5.4.1</b>	<b>General .....</b>	<b>8</b>
<b>5.4.2</b>	<b>Stability .....</b>	<b>8</b>
<b>5.4.3</b>	<b>Strength .....</b>	<b>8</b>
<b>5.5</b>	<b>Adjustment devices .....</b>	<b>8</b>
<b>5.6</b>	<b>Shock absorption of top padding .....</b>	<b>8</b>
<b>5.7</b>	<b>Friction and abrasion .....</b>	<b>9</b>
<b>5.8</b>	<b>Ergonomics .....</b>	<b>9</b>
<b>6</b>	<b>Marking .....</b>	<b>9</b>
<b>7</b>	<b>Manufacturer Instructions .....</b>	<b>9</b>
<b>Annex A (normative) Test methods for entrapment .....</b>		<b>10</b>
<b>Annex B (normative) Mechanical loading for determination of stability and strength .....</b>		<b>20</b>
<b>Annex C (normative) Determination of shock absorption of padding .....</b>		<b>24</b>
<b>Bibliography .....</b>		<b>26</b>