

# DIN EN 352-1:2021-03 (E)

## Hearing protectors - General requirements - Part 1: Earmuffs

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>6</b>
<b>2</b>	<b>Normative references .....</b>	<b>6</b>
<b>3</b>	<b>Terms, definitions, symbols and abbreviations .....</b>	<b>6</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>6</b>
<b>3.2</b>	<b>Symbols and abbreviations .....</b>	<b>8</b>
<b>4</b>	<b>Requirements .....</b>	<b>8</b>
<b>4.1</b>	<b>Sizing .....</b>	<b>8</b>
<b>4.2</b>	<b>Materials and construction .....</b>	<b>9</b>
<b>4.2.1</b>	<b>Materials .....</b>	<b>9</b>
<b>4.2.2</b>	<b>Construction .....</b>	<b>9</b>
<b>4.3</b>	<b>Performance .....</b>	<b>9</b>
<b>4.3.1</b>	<b>General .....</b>	<b>9</b>
<b>4.3.2</b>	<b>Sizing and adjustability .....</b>	<b>9</b>
<b>4.3.3</b>	<b>Cup rotation .....</b>	<b>10</b>
<b>4.3.4</b>	<b>Headband force .....</b>	<b>10</b>
<b>4.3.5</b>	<b>Cushion pressure .....</b>	<b>10</b>
<b>4.3.6</b>	<b>Resistance to damage when dropped .....</b>	<b>11</b>
<b>4.3.7</b>	<b>Resistance to damage when dropped at low temperature (optional) .....</b>	<b>11</b>
<b>4.3.8</b>	<b>Change in headband force (including optional water immersion with headband under stress) .....</b>	<b>11</b>
<b>4.3.9</b>	<b>Insertion loss .....</b>	<b>11</b>
<b>4.3.10</b>	<b>Resistance to leakage .....</b>	<b>11</b>
<b>4.3.11</b>	<b>Ignitability .....</b>	<b>11</b>
<b>4.3.12</b>	<b>Minimum sound attenuation .....</b>	<b>11</b>
<b>5</b>	<b>Marking .....</b>	<b>12</b>
<b>6</b>	<b>User information .....</b>	<b>12</b>
<b>Annex A(informative)</b>	<b>Technical changes between this document and the previous edition of this European Standard .....</b>	<b>15</b>
<b>Annex ZA(informative)</b>	<b>Relationship between this European Standard and the essential requirements of Regulation (EU) 2016/425 aimed to be covered .....</b>	<b>17</b>
<b>Bibliography .....</b>		<b>19</b>