

# DIN EN 1080:2013-05 (E)

## Impact protection helmets for young children

---

<b>Contents</b>		<b>Page</b>
Foreword .....		3
Introduction .....		4
<b>1</b>	<b>Scope .....</b>	<b>5</b>
<b>2</b>	<b>Normative references .....</b>	<b>5</b>
<b>3</b>	<b>Terms and definitions .....</b>	<b>5</b>
<b>4</b>	<b>Requirements .....</b>	<b>6</b>
4.1	Materials .....	6
4.2	Construction .....	7
4.3	Field of vision .....	7
4.4	Shock absorbing capacity .....	9
4.5	Retention system .....	9
4.5.1	General .....	9
4.5.2	Chin strap .....	9
4.5.3	Fastening device .....	9
4.6	Self-release system .....	9
4.6.1	General .....	9
4.6.2	Release force .....	9
4.6.3	Colour .....	9
4.7	Durability .....	9
<b>5</b>	<b>Testing .....</b>	<b>10</b>
5.1	Headforms .....	10
5.2	Inspection and determination of mass .....	10
5.3	Number of samples and sequence of tests .....	10
5.4	Determination of shock absorbing capacity .....	11
5.4.1	Test area .....	11
5.4.2	Conditioning .....	12
5.4.3	Apparatus .....	12
5.4.4	Procedure .....	13
5.5	Determination of self-release system opening force .....	14
5.5.1	Apparatus .....	14
5.5.2	Procedure .....	14
5.6	Determination of field of vision .....	15
5.7	Test report .....	15
<b>6</b>	<b>Marking .....</b>	<b>16</b>
<b>7</b>	<b>Information supplied by the manufacturer .....</b>	<b>16</b>
<b>Annex A (informative)</b>	<b>Major changes .....</b>	<b>18</b>
<b>Annex ZA (informative)</b>	<b>Relationship between this European Standard and the Essential Requirements of EU Directive 89/686/EEC Personal Protective Equipment .....</b>	<b>19</b>
<b>Bibliography .....</b>		<b>20</b>