

# DIN EN ISO 20685-1:2019-03 (E)

## 3-D scanning methodologies for internationally compatible anthropometric databases - Part 1: Evaluation protocol for body dimensions extracted from 3-D body scans (ISO 20685-1:2018)

---

<b>Contents</b>	<b>Page</b>
European foreword .....	3
Foreword .....	4
Introduction .....	5
<b>1 Scope</b> .....	<b>6</b>
<b>2 Normative references</b> .....	<b>6</b>
<b>3 Terms and definitions</b> .....	<b>6</b>
<b>4 Accuracy of extracted measurements</b> .....	<b>8</b>
4.1 Selection of extracted measurements .....	8
4.2 Standard values .....	10
<b>5 Research design for a validation study to establish accuracy of body dimensions extracted from scanners</b> .....	<b>10</b>
5.1 General .....	10
5.2 Validation study procedures .....	11
5.3 Sampling size and test subject selection .....	11
5.4 Analytical procedures .....	11
5.5 Validation study reporting .....	12
<b>6 Method for estimating the number of subjects needed</b> .....	<b>13</b>
<b>Annex A (informative) Methods for reducing error in 3-D scanning</b> .....	<b>14</b>
<b>Bibliography</b> .....	<b>24</b>