

# 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
1 Scope .....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Accuracy of extracted measurements .....	8
4.1 Selection of extracted measurements .....	8
4.2 Standard values .....	10
5 Research design for a validation study to establish accuracy of body dimensions extracted from scanners .....	10
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
6 Method for estimating the number of subjects needed .....	13
Annex A (informative) Methods for reducing error in 3-D scanning .....	14
Bibliography .....	24