

산업디자인에서 인체다양성의 적용에 관한 연구
(A Study on the Application of Human
variability to the Industrial Design)

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Abstract

It is important to provide the opportunity and means to change body posture frequently during the work period. Maintaining a given posture, even if it appears comfortable in the beginning, becomes stressful as time goes on.

In order to design most products some knowledge of the dimensions of the human body is required. Data concerning human body dimensions are referred to as anthropometric data. Anthropometric data are used to establish many product dimensions such as the heights of work surfaces, minimum size for access openings, spacing between controls, mounting angles for displays, distance between user and controls, and so forth. The usual procedure is to design to accommodate 90% - 95% of the population of anticipated product users.

In some instances it is necessary to provide a method for adjusting because it allows users to alter the product's dimensions to meet their individual needs. When the user makes the proper adjustments, the product will be easier to use (e.g., the seat and rearview mirror adjustment mechanisms on automobiles) or more comfortable (e.g., office chairs and stereo headphones).

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