
**Ergonomics — Accessible design —
Tactile dots and bars on consumer
products**

*Ergonomie — Conception accessible — Utilisation des points et barres
tactiles sur les produits de consommation courante*



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Foreword

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ISO 24503 was prepared by Technical Committee ISO/TC 159, *Ergonomics*, Subcommittee SC 4, *Ergonomics of human-system interaction*.

Introduction

Consumers are surrounded by various kinds of consumer products having switches to control electric operation in devices such as information and communication technologies, office technologies, cooking units, toys, bathroom devices, personal medical devices, cameras, etc. This International Standard provides requirements for improving the accessibility of the consumer products used by people having visual disabilities, and in cases where visual information is not the primary sense used for accomplishing the task.

This International Standard only applies to products for personal use and is not for commercial, professional, or industrial use.

This International Standard is based on the principles of accessible design set out in ISO/IEC Guide 71, *Guidelines for standards developers to address the needs of older persons and persons with disabilities*.

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Ergonomics — Accessible design — Tactile dots and bars on consumer products

1 Scope

This International Standard specifies requirements for the design of tactile dots and tactile bars for use on consumer products to improve accessibility for everyone, including older persons and persons with disabilities.

This International Standard is applicable to consumer products used by persons with visual disabilities, and in cases where visual information is not the primary sense used for accomplishing the task.

Alternative tactile methods, such as texture and vibration, and other tactile symbols, such as triangles and squares, are not covered in this International Standard.

Alternative feedback methods, such as in acoustic and visual modalities, are not covered in this International Standard.

2 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

2.1

consumer product

product that is intended to be acquired and used by an individual for personal rather than professional use

2.2

control

device that directly responds to an action of the operator, e.g. by the operator applying pressure

2.3

function

action that is triggered by the operation of a control

NOTE In this International Standard, functions are limited to starting/stopping and increasing/decreasing.

2.4

tactile symbol

sign identifiable and recognizable by touch

2.5

tactile dot

dot-shaped tactile symbol

2.6

tactile bar

bar-shaped tactile symbol