



BSI Standards Publication

Prosthetics and orthotics — Functional deficiencies — Description of the person to be treated with an orthosis, clinical objectives of treatment, and functional requirements of the orthosis

National foreword

This British Standard is the UK implementation of [ISO 8551:2020](#). It supersedes [BS ISO 8551:2003](#), which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CH/168, Prosthetics and orthotics.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 539 02560 6

ICS 11.040.40

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 March 2020.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

INTERNATIONAL STANDARD

ISO
8551

Second edition
2020-03-09

Prosthetics and orthotics — Functional deficiencies — Description of the person to be treated with an orthosis, clinical objectives of treatment, and functional requirements of the orthosis

*Prothèses et orthèses — Malformations des membres — Description
de la condition de l'utilisateur d'orthèse, objectifs cliniques, et
exigences fonctionnelles et biomécaniques de l'orthèse*



Reference number
ISO 8551:2020(E)
Documents
Document Sharing Hub
© ISO 2020



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Description of the person to be treated with an orthosis	2
4.1 General	2
4.2 Personal factors	2
4.3 Health conditions to be treated with an orthosis	2
4.3.1 Disorders or diseases	2
4.3.2 Impairments of body structures and functions	2
4.4 Other health conditions	2
4.5 Motivation and perceived needs	3
4.6 Activity limitations	3
4.6.1 General	3
4.6.2 Changing and maintaining body position	3
4.6.3 Walking	4
4.6.4 Hand and arm use	4
4.7 Use of assistive devices	4
5 Clinical objectives of treatment	4
6 Functional requirements of the orthosis	5
Bibliography	7