

Australian Standard™

**Implants for surgery—Metallic materials**

**Part 4: Cobalt-chromium-molybdenum  
casting alloy**

This Australian Standard was prepared by Committee HE-012, Surgical Implants. It was approved on behalf of the Council of Standards Australia on 14 October 2003 and published on 8 December 2003.

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The following are represented on Committee HE-012:

Australian College of Operating Room Nurses  
Australian Dental Association  
Australian Industry Group  
Australian Orthopaedic Association  
Australian Society for Biomaterials  
Commonwealth Department of Health and Ageing  
Department of Defence (Australia)  
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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee HE-012, Surgical Implants, to supersede AS 2320.4—1979, *Metals for the manufacture of surgical implants, Part 4: Cobalt-chromium-molybdenum casting alloy*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard has been reproduced from, and is identical with, ISO 5832-4:1996, *Implants for Surgery—Metallic materials, Part 4: Cobalt-chromium-molybdenum casting alloy*.

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- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
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- (c) A full point should be substituted for a comma when referring to a decimal marker.

None of the Standards listed in Clause 2 have been adopted as Australian or Australian/New Zealand Standards.

## INTRODUCTION

No known surgical implant material has ever been shown to cause absolutely no adverse reactions in the human body. However, long-term clinical experience of the use of the material referred to in this part of ISO 5832 has shown that an acceptable level of biological response can be expected, when the material is used in appropriate applications.