



American National Standard/
American Dental Association
Standard No. 134

Metallic Materials for Fixed and Removable Restorations and Appliances

Identical adoption of ISO 22674:2006, *Dentistry — Metallic materials for fixed and removable restorations and appliances*

ADA American
Dental
Association®
Council on
Scientific Affairs

2013

This is a preview. [Click here to purchase the full publication.](#)

These materials are subject to copyright claims of ISO, ANSI, and ADA. No part of this publication may be reproduced in any form, including electronic retrieval system, without the prior permission of ADA. All requests pertaining to ANSI/ADA Standard No. 134 should be submitted to ADA.

[This is a preview. Click here to purchase the full publication.](#)

AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 134
FOR METALLIC MATERIALS FOR FIXED AND REMOVABLE RESTORATIONS AND
APPLIANCES

The Council on Scientific Affairs of the American Dental Association has approved revised American Dental Association Standard No. 134 for Metallic Materials for Fixed and Removable Restorations and Appliances. This and other standards for dental materials, instruments and equipment are being formulated by working groups of the ADA Standards Committee on Dental Products (formerly Accredited Standards Committee MD156 for Dental Materials, Instruments and Equipment). The Committee has representation from all interests in the United States in the standardization of materials, instruments and equipment in dentistry. The Council has adopted the standards, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the standards be approved as American National Standards. The American National Standards Institute granted approval of ADA Standard No. 134 as an American National Standard on February 19, 2013.

The ADA Standards Committee on Dental Products thanks the members of Working Group 2.13 and the organizations with which they were affiliated at the time the standard was developed:

Clyde Ingersoll (chairman), CEI Enterprises, Ltd., Tonawanda, NY;
Lawrence Gettleman, University of Louisville, KY;
Robert Kelly, UCONN Health Sciences Center, Farmington, CT;
Kenneth Kurtz, Montefiore Medical Center, Bronx, NY;
Spiro Megremis, American Dental Association, Chicago, IL; and
Toru Okabe, Baylor College of Dentistry-Department of Biomaterials Science, Dallas, TX.

AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION STANDARD NO. 134 FOR METALLIC MATERIALS FOR FIXED AND REMOVABLE RESTORATIONS AND APPLIANCES

FOREWORD

(This Foreword does not form a part of ANSI/ADA Standard No. 134 for Metallic Materials for Fixed and Removable Restorations and Appliances).

This first edition of ANSI/ADA Standard No. 134 is an identical adoption of ISO 22674:2006, Dentistry-Metallic materials for fixed and removable restorations and appliances. ADA SCDP Working Group No. 2.13 on Casting Alloys examined the international standard and found it acceptable as an identical adoption.

ANSI/ADA Standard No. 134 provides one performance-based standard having the same requirements for all types of metallic materials for dental restorations and appliances. It replaces the following materials-based ANSI/ADA standards, which have been withdrawn:

- ANSI/ADA Standard No. 5 for Dental Casting Alloys;
- ANSI/ADA Standard No. 14 for Dental Base Metal Casting Alloys.

Requirements for the performance of metals and alloys used for the metallic component of a metal-ceramic restoration contained in this standard supersede such requirements contained in ANSI/ADA Standard No. 38-2000, Metal Ceramic Systems (reaffirmed 2010). The requirements for the performance of ceramic material and the metal-ceramic bond in metal-ceramic restorative systems continue to be specified in ANSI/ADA Standard No. 38.

Specific qualitative and quantitative requirements for freedom from biological hazards are not included in this standard, but it is recommended that, in assessing possible biological hazards, reference be made to ANSI/ADA Standard No. 41, ISO 10993-1 and ISO 7405.