



American National Standard/American Dental Association  
**Specification No. 74**

# Dental Operator's Stool

Modified adoption of ISO 7493:2006, *Dentistry-Operator's stool*.

**ADA** American  
Dental  
Association®  
Council on  
Scientific Affairs

2010

## **AMERICAN NATIONAL STANDARD/AMERICAN DENTAL ASSOCIATION SPECIFICATION NO. 74 FOR DENTAL OPERATOR'S STOOL**

The Council on Scientific Affairs of the American Dental Association has approved American Dental Association Specification No. 74 for Dental Operator's Stool. This and other specifications 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 specifications, showing professional recognition of their usefulness in dentistry, and has forwarded them to the American National Standards Institute with a recommendation that the specifications be approved as American National Standards. The American National Standards Institute granted approval of ADA Specification No. 74 as an American National Standard on January 13, 2010.

The Council thanks the members of Working Group 6.35 and the organizations with which they were affiliated at the time the specification was developed:

Lon Warren (chairman), USAF Dental Evaluation and Consultation Service, Great Lakes, IL;

Tim Forlow, Midmark Corporation, Versailles, OH;

Richard Mitchell, University of Kentucky, Lexington; and

Jeff Zawada, A-Dec, Inc., Newberg, OR.

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### FOREWORD

(This foreword is not part of ANSI/ADA Specification No. 74 for Dental Operator's Stool).

This revised specification cancels and replaces ANSI/ADA Specification No. 74-2002.

This revised specification is a modified adoption of ISO 7493:2006, Dentistry – Operator's stool. ADA SCDP Working Group 6.35 examined the ISO standard and found it acceptable for adoption as revised ANSI/ADA Specification No. 74, with the following modifications.

#### A **Changed: 4.13**

"The upper part of the operator's stool shall not be removable from the base without the use of a tool," was changed to, "The upper part of the operator stool (seat and center post) shall remain attached to the base when lifted from the floor by the seat of the operator's stool."

*Rationale:* Most seat assemblies in operator's stools utilize a friction fit that does not require fasteners or tools.

#### B **Changed: 6.7 Armrest and torso support**

"...and subsequently a horizontal force of 220 N at the points along the armrest or torso support most likely to cause failure for the outward and inward directions respectively (Reference Points F and G in Figure 1)." was changed to "...and subsequently a horizontal force of 220 N at the points along the armrest or torso support most likely to cause failure in an outward direction (Reference Point F in Figure 1)."

Reference Point G in Figure 1 was eliminated.

*Rationale:* The operator applies only outward force on the armrest/torso support; inward forces on the armrest/torso support are very unlikely to occur in the clinical setting. There is only value in testing the force applied at "Reference Point F."