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Organizations Engaged in Preparing Standards for Dental Materials and Therapeutic Agents with a List of Standards

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^{&#}x27;Headquarters and Laboratories at Gaithersburg, MD, unless otherwise noted; mailing address Washington, DC 20234.
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Organizations Engaged in Preparing Standards for Dental Materials and Therapeutic Agents with a List of Standards

G. C. Paffenbarger, D.D.S. R. W. Rupp, D.D.S., M.S. Margaret Malmstedt

American Dental Association Health Foundation Research Unit at the National Bureau of Standards Washington, D.C. 20234



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ORGANIZATIONS ENGAGED IN PREPARING STANDARDS FOR DENTAL MATERIALS AND THERAPEUTIC AGENTS WITH A LIST OF STANDARDS

G. C. Paffenbarger, D.D.S.*, N. W. Rupp, D.D.S., M.S.*, and Margaret Malmstedt**

The first specification for dental materials was prepared by Dr. Wilmer Souder, a physicist at the National Bureau of Standards, in 1927. From this stemmed the specification and certification programs of the American Dental Association (1930) and all of the similar national and international programs.

The Federation Dentaire Internationale (FDI) was the first in the international field (1953). Today the International Organization for Standardization (ISO) through its Technical Committee 106-Dentistry, organized in 1963, is the prime international agency formulating specifications for dental materials and devices. The FDI role by agreement with ISO/TC106 is the preparation of standards on clinical evaluations, on biological test methodology, on the preparation of informative reports on dental materials and therapeutic agents and on the proper methods of using them.

Today there are 15 international and national agencies that have prepared about 900 specifications for dental materials and devices. These agencies and their addresses are listed, with a brief history of each, together with a list of the specifications and standards that they have promulgated.

Key words: Dental agencies, devices; history, materials; programs; specifications.

Introduction

This survey was made at the request of the Commission on Dental Materials, Instruments, Equipment and Therapeutics (COMIET) of the Federation Dentaire Internationale and is really a revision of a former survey made in 1965 (Paffenbarger and Kumpula, 1965).

The survey of the extant specifications for dental materials, instruments and equipment manifests the tremendous growth in such standardization since November 30, 1925 when the first specification for a dental materials was promulgated (Souder, 1927). This was the United States Government Master Specification for Dental Amalgam Alloy, Specification No. 356, prepared by Dr. Wilmer Souder, a physicist at the National Bureau of Standards in Washington, D.C., U.S.A. This specification stemmed from an earlier investigation by Souder and Peters conducted in 1919 (Souder and Peters, 1920) because of a War Department request to the National Bureau of Standards for assistance in specifying the quality of amalgam that could be used in Army procurement.

From this activity stemmed the specification and certification programs of the American Dental Association (Taylor, 1930). This stimulated activity of a similar nature in Australia, Japan, the United Kingdom and other countries.

On the international scene the Federation Dentaire Internationale (FDI) organized an international specification program in 1953. After its development of two specifications, those for alloy for dental amalgam and for dental mercury, the FDI asked the International Organization for Standardization (ISO) in 1958 if ISO would consider FDI Specifications as ISO Standards. As a result ISO Technical Committee 106-Dentistry was formed.

International Organizations

International Organization for Standardization (ISO), 1 rue de Varembé, 1211 Genève 20, Switzerland.

ISO is an international yet nongovernmental organization that has as its object the development of worldwide standards which are published as ISO International Standards. These standards facilitate international exchange of goods and services and develop mutual cooperation in intellectual, scientific, technological and economic activities. The ISO members are 84 national standardization bodies, the most representative one from each country. Annual contributions from each of these member bodies enable the ISO to fulfill its function.

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More than 70 percent of these national standards bodies are either governmental institutions or organizations incorporated by public law. There are 8 countries in which ISO standards are mandatory; in 37 countries the ISO standards are mandatory to some extent; and in 20 countries the use of ISO standards is voluntary. These figures reflect the influence essentially of private control in many ISO member bodies which are supported in whole or in part by government subsidies. ISO has 154 technical committees that prepare draft ISO International Standards in the specific fields assigned to them. When a technical committee has reached agreement on a draft standard, the ISO Secretary General sends it to all member bodies for comment and suggestions which are forwarded to the pertinent technical committee. After careful consideration of any comments, the standard is sent to the Council, ISO's Board of Directors, for adoption as an ISO International Standard.

The ISO Technical Committee for Dentistry, formed in 1963, is ISO/TC106-Dentistry, with the British Standards Institution as the secretariat. ISO/TC106 has as its scope: "Standardization of terminology, methods of test and specifications applicable to materials, instruments, appliances and equipment used in all branches of dentistry." ISO/TC106 has formed six working groups on: (1) filling materials (Canada—Secretariat), (2) denture materials (U.S.A.—Secretariat), (3) terminology (France-Secretariat), (4) instruments and equipment (Germany-Secretariat), (5) classification of dental equipment (Germany-Secretariat), and (6) working space of the dentist (France-Secretariat). Australia, Canada, Czechoslovakia, Denmark, France, Germany, India, Ireland, Italy, Netherlands, Norway, Republic of South Africa, Sweden, Switzerland, United Kingdom, Union of Soviet Socialist Republics, and United States of America are participating members with 21 other member countries with observer status.

Federation Dentaire Internationale (FDI), 64 Wimpole Street, London W1M, 8AL, United Kingdom.

The FDI, founded in Paris in 1900, is a voluntary international federation of 78 national dental associations and has also individual supporting members. A Standing Commission on Dental Materials, Instruments, Equipment and Therapeutics (COMIET) has 15 members and has the responsibility of standardization in the various categories given in its title. Five members are technical representatives from the dental industry and were recommended by dental trade associations in the U.S.A., Europe and Asia.

The nine FDI specifications were adopted in 1966 as ISO Recommendations. Thereafter a close working relationship developed between the FDI and

ISO/TC106-Dentistry by the formation of several Joint Working Groups for specific tasks. The Chairman of the COMIET of the FDI also serves as a member of the governing body of ISO/TC106.

The FDI and ISO have gradually phased out the Joint Working Groups with the ISO/TC106 assuming the responsibility for the ISO International Standards and the FDI becoming responsible for standards on clinical evaluations, on biological test methodology and evaluations, on preparation of informative reports and on proper methods of using materials.

Dental terminology is also a joint undertaking between ISO/TC106 and the FDI, through its Commission on Classification and Statistics for Oral Conditions. This Commission's Working Group No. 5—Intercommission Group on Uniform Definitions of Dental Terams (INCOGUDET) and ISO/TC106 Working Group 3, with the collaboration of related international agencies, are responsible for the joint adoption of definitions. ISO/TC106-Dentistry, ISO/TC42-Photography and ISO/TC945 Springer for Medical Heal

Photography and ISO/TC84-Syringes for Medical Use and Needles for Injection, have also collaborated with the FDI in their respective fields.

The FDI developed a Uniform System of Tooth Designation which has been adopted by several national and international organizations.

As a result of the cooperation with the ISO, the FDI no longer issues specifications of its own.

The International Electrotechnical Commission, through its Technical Committee 62 and the FDI, have a joint Working Group in Dental Radiology with the FDI's COMIET which has formulated a draft standard, Radiation Protection and Equipment for Dental Radiology, Document IEC/SC 62B-JWG-FDI/COMIET—(Secretary) 15, dated December 7, 1977.

Comité Européen de Normalisation (CEN), Rue Bréderode 2, B-1000 Bruxelles, Belgium.

CEN, the European Committee for Standardization, is an international scientific nonprofit association of the national standardization organizations of European countries operating since 1961 to formulate European standards (EN).

The membership of CEN is comprised of EEC and EFTA countries. Its main objective is to reduce trade barriers between these two organizations which may arise for technical reasons.

Technical Committee 55—Dentistry, the Secretariat of which is the British Standards Institution (BSI), has as its scope the formulation of European Dental Standards.

Members of CEN are also members of ISO and support ISO work. Where ISO Standards, which are

suitable for adoption as European Standards, are available, they are edited in accordance with CEN rules to produce official texts in English, French and German. These three are technically and editorially identical. In other cases CEN establishes its own standards.

CENCER (CEN Certification) is the European organization for certification responsible for promoting the CEN quality mark and for controlling its application. The primary objective of CEN/TC55 is to develop a European certification scheme for dental products. The development of European Standards, where necessary, is to some extent secondary to that objective.

Scandinavian Institute of Dental Materials (Nordisk Institutt for Odontologisk Materialprovning) (NIOM), Forskningsvn. 1, Oslo 3, Norway.

The Scandinavian Institute of Dental Materials (NIOM) was formally established in 1969, by agreement among the governments of Denmark, Finland, Norway and Sweden. The aims of the Institute are to test and do research on dental materials and devices and to ascertain that the products employed in dental practice in the Scandinavian countries are optimal and fulfill any requirements which are put forward in international standards or by legislation.

The Institute is governed by a Board of Directors which comprises one member and an alternate member from each of the participating countries. It is financed, like other Scandinavian institutes, by a proportion corresponding to the gross national product of each country. Presently Sweden covers about 43 percent, Denmark 23 percent, Norway 17 percent and Finland 16 percent. These percentages are adjusted every second year. From 1978 Iceland participates and covers about 1 percent of the budget. Apart from a small administrative unit, NIOM is divided into a physical/chemical division and a biological/clinical division. This recognition of both physical/chemical and biological/clinical aspects makes NIOM unique as a testing institution for dental materials.

The staff of the Institute has been appointed gradually during 1973–1977. Presently, 23 people are employed by NIOM, 15 in the physical/chemical division, 5 in the biological/clinical division and 3 in the administrative unit.

All testing is performed according to ISO Standards, which presently only cover physical/chemical properties of dental materials. The need for biological and clinical assessment of dental materials and instruments is generally accepted, and important standardization work is required to establish biological and clinical testing programs. NIOM is actively engaged in this work, by

participating in the standardization performed by FDI, ISO and CEN.

European Working Party on Dental Therapeutics (EAZA).

The European Working Party on Dental Therapeutics was active (1963–1969) in promoting cooperation among the commissions on dental therapeutics of European Dental Organizations. In 1969 the work of EAZA was merged into the Working Group on Therapeutics of the Commission on Dental Materials, Instruments, Equipment and Therapeutics of the Federation Dentaire Internationale.

World Health Organization (WHO), 1211 Genève, Switzerland.

WHO interests in standardization center principally in the International Pharmacopoeia (Specifications for the Quality Control of Pharmaceutical Preparations).

National Organizations

There are several American (U.S.A.) governmental and nongovernmental agencies which are engaged in standardization work on dental items.

American Dental Association (ADA), 211 East Chicago Avenue, Chicago, Ill. 60611.

The American Dental Association, a dues-paying member of the American National Standards Institute (ANSI), has had a specification program for dental materials since 1930. This and the certification and acceptance programs for dental materials and devices are conducted under the auspices of the ADA Council on Dental Materials and Devices. The ADA serves as the administrative sponsor and pays for the cost of the Secretariat of AN Standards Committee MD 156 for Dental Materials and Devices. Specifications formulated by this AN Standards Committee are usually adopted both by the American Dental Association and the American National Standards Institute, but this pattern is not mandatory.

Lists of Certified Dental Materials and Devices, a program related to the specification activity, have been in operation for almost 5 decades. These lists are based upon certification by a manufacturer that his product complies with the pertinent specification and upon check testing done in the laboratories of the Association. The manufacturer must give evidence of quality control and agree to adhere to the advertising and exhibiting code of the Association. Check testing of products on the lists is a continuing process, and those products not complying are removed from the list.

An acceptance program applies to materials and devices for which evidence of safety and usefulness has been established by biological, laboratory and/or clinical evaluations and where standards and specifications are not available. Categories include acceptable, provisionally acceptable and unacceptable products.

Status reports on dental materials, devices and techniques to assist the dentist in evaluating their safety and efficacy are developed by the Council on the basis of extant knowledge.

A 300-page book, GUIDE TO DENTAL MATERIALS AND DEVICES, is prepared biannually.

The American Dental Association has maintained since 1930 an extensive program in dental therapeutics under the auspices of its Council on Dental Therapeutics. This Council's publication, annual ACCEPTED DENTAL THERAPEUTICS, an extensive monograph of 342 pages, is now in its 37th edition. It deals with drugs used in dental practice and includes a list of brands accepted by the Council on Dental Therapeutics of the American Dental Association. The Association maintains a Division of Chemistry housed in the Chicago offices of the Association as an investigative and research arm of the Council. The Council also has a grants-in-aid program for the development of desired information about products used in dental health service.

American National Standards Institute (ANSI), 1430 Broadway, New York, N.Y. 10018.

The American National Standards Institute, the U.S.A. member of ISO, is a federation of companies and of trade, technical, professional, consumer and labor organizations. There are about 185 organizational members and 880 company members as of June 1978. The ANSI dental standards are formed under the Committee Method for developing evidence of consensus for approval of American National Standards. The Council on Dental Materials and Devices of the American Dental Association serves as the Secretariat of American National Standards Committee MD 156 for Dental Materials and Devices.

American Society for Testing and Materials (ASTM), 1916 Race Street, Philadelphia, Pa. 19103.

The American Society for Testing and Materials is an international nonprofit society for the promotion of knowledge of the materials of engineering and the standardization of specifications and methods of testing. The worldwide membership of over 26,000 combines individual and organization members, several thousand being companies, institutions and agencies and shows the broad spectrum of its membership. Since 1898, the society has grown to a system of more than 130

technical committees composed of producers, consumers and general interest groups. The 1976 edition of ASTM Standards, containing over 32,000 pages and including over 5,000 ASTM Standards, reflects the vast important work of the society.

The ASTM has no dental materials committee but has dental representation on its Committee F-4 on Medical and Surgical Materials and Devices, F-19 on Orthotics, External Prosthetics and Mobility Aids, and F-8 on Protective Equipment for Sports. Committee F-4 has formulated over 40 specifications, test methods and recommended practices dealing with orthopedic, neurosurgical and cardiovascular materials and devices. Over 350 manufacturers, physicians, surgeons, bioengineers, biologists and governmental representatives are developing over 90 draft standards within eight F-4 subcommittes.

The Defense Medical Materiel Board. This Board, in the Department of Defense of the United States of America, is composed of personnel from the Army, the Navy and the Air Force. The three military dental services are represented by a senior dental officer whose term as a member of the board is rotated among the services. The board is the sole agency empowered to add items to, delete items from or modify items in the Federal Supply Catalog, Department of Defense, Medical Materiel. This catalog lists about 11,500 items, and about 1,000 of these are dental items. Procurement of these items is supported by either a Federal Specification, a Military Specification, or a Purchase Description. These specifications are prepared by the board on information obtained principally from the manufacturers of the items but supplemented with information available in the literature and extant specifications and regulations of various government agencies and professional and technical societies.

The Index of Federal Specifications and Standards, as established by the Federal Supply Service of the General Services Administration, references about 180 Federal Specifications of dental interest in the 1964 edition.

The Food and Drug Administration (FDA), Dept. of Health, Education and Welfare, has its administrative headquarters and major scientific facilities in the Washington, D.C. area. Additional laboratory and inspection facilities are located in 21 district offices throughout the United States.

The major responsibilities of the Food and Drug Administration are the enforcement of the Federal Food, Drug, and Cosmetic Act and the Radiation Control for Health and Safety Act and portions of the Public Health Service Act. The medical device amendments to the FD&C Act (May 1976) gave FDA regulatory authority over medical devices comparable to that exercised in the area of new drugs.

The Federal Food, Drug, and Cosmetic Act of 1938, as amended, prohibits the shipment in interstate commerce of adulterated or misbranded foods, drugs, devices and cosmetics. Drugs and devices are misbranded if their labeling is false or misleading in any particular, or if the labeling fails to bear adequate directions for use or adequate warnings or they are a danger to health when used, etc. The Act prohibits the introduction into interstate commerce of any new drug or medical device prior to approval of an application establishing their safety and effectiveness. Applications are required to establish the safety and effectiveness of a new drug or new medical device for use as recommended in the labeling. Antibiotic drugs are subject to testing and certification on a batch basis to assure their safety effectiveness. The premarketing clearance requirements for new drugs and antibiotics and devices apply to those used in dentistry as well as other areas.

Specifications and laboratory test procedures for antibiotic drugs, including dental preparations, are published as part of the regulations issued by FDA. In the case of new drugs, manufacturers are required to submit proposed specifications and laboratory test procedures and an application may not be approved until these are found to be adequate.

The Federal Food, Drug, and Cosmetic Act recognizes the specifications and test methods in the United States Pharmacopoeia, National Formulary, and Homeopathic Pharmacopoeia as official standards for drugs. Drugs that are not recognized as official drugs in the official compendia are regarded as adulterated if their identity, strength, purity or quality differs from that which they purport or are represented to possess. Since the Drug Amendments of 1962, drugs have also been regarded as adulterated if the methods, facilities or controls used for their manufacture, processing, packing or holding fail to conform with current good manufacturing practice to assure their safety and integrity. The Medical Device Amendments of 1976 provide similar requirements for devices. These provisions of the law also apply to drugs and devices used in dentistry.

The Medical Device Amendments of 1976 are designed to protect the public and health professionals from unsafe and ineffective devices and at the same time not to discourage innovation in medical and dental technology by unnecessary or overly burdensome restrictions. The new amendments make distinctions between those devices which present little risk to health and those which are intricate life sustaining and life

supporting or are of substantial importance in preventing impairment of human health.

The Medical Device Amendments of 1976 recognize the need for the widest range of scientific expertise to assist in the regulatory process. It prohibits the marketing of new devices until their safety and efficacy have been established. The FDA now has the authority to remove dangerous devices from the market expeditiously.

Medical devices are classified on the basis of the degree of regulation necessary to assure safety and effectiveness as follows: Class I, general controls; Class II, performance standards; Class III, premarket approval.

FDA can exempt a device, if it is intended solely for investigational use, and if the necessary protection of patients is instituted through an agency review committee where such exist. Most provisions of the Amendments relating to medical devices become effective upon enactment, although many such provisions do not become enforceable regulatory requirements until regulations promulgated by the FDA become effective. The first regulations to implement the new law are given in "Implementation of the Medical Device Amendments of 1976" Federal Register 41:22620-22621 (June 4, 1976).

The Food and Drug Administration has an active program involving inspection of drug and device manufacturing establishments and the collection and laboratory examination of drugs and devices on the market. To assure the integrity of the drug and device supply, the law makes provisions for seizure, injunction, and criminal prosecution to deal with drugs and devices in violation of the Act.

Dental Standards in Australia—Australian Organizations Involved in Standards for Dental Materials. Australian dental standards are formulated by the appropriate dental technical committee of the Standards Association of Australia, Standards House, 80–86 Arthur Street, North Sydney, N.S.W. 2060, in response to requests from any reasonable source, provided that an inquiry shows that the proposed standards are warranted. The technical committees are composed of representatives drawn from all major interests associated with the particular subjects for which standards are being prepared. These generally include users, purchasing bodies, manufacturers, suppliers, regulatory bodies, research and testing organizations.

The Australian Dental Standards Laboratory, 240 Langridge Street, Abbotsford, Victoria 3067, generally carries out the technical work for the preparation of dental and allied standards, because of the expertise and

testing facilities it possesses. The Laboratory was established in 1936 and became a function of the Australian Department of Health in 1947. Until 1973 it was known as the Commonwealth Bureau of Dental Standards.

The Australian Dental Association, 116 Pacific Highway, North Sydney, N.S.W. 2060, Standing Committee on Tariffs, Instruments, Materials and Equipment adopts the standards for use in connection with its program for accreditation of dental products, lists of which are published periodically. Samples are tested at the Australian Dental Standards Laboratory for compliance with the appropriate standard, for which service a nominal charge is made.

Australia is closely involved with ISO and FDI with the objective of developing International Standards.

British Standards Institution (BSI), 2 Park Street, London W1A, 2BS, United Kingdom.

The BSI represents the UK member Body of ISO and is the oldest among the National Standards Organizations tracing its origin back to the Engineering Standards Committee formed in 1901. BSI holds the Secretariat for ISO/TC106-Dentistry and that of the Organization for Standardization Technical Committee CEN/TC55-Dental Products. To date some 30 British Standards for dental items have been published, many of which are in several Parts. The formulation of these standards is carried out by various technical committees responsible to the BSI Dental Standards Committee with expertise being provided by representatives of the British Dental Association and other health professional societies, the British Dental Trade Association, various government departments including the Laboratory of the Government Chemist, various dental schools and universities and a number of individual co-opted experts. There is a comprehensive approvals program for dental materials currently being operated in the UK by the Department of Health with the Laboratory of the Government Chemist providing the specification testing facilities. This program applies to dental materials used in the National Health Service, and British Standards are the routine reference specifications.

Canadian Standards Association (CSA), 178 Rexdale Boulevard, Rexdale, Ontario M9W 1R3, Canada.

The CSA is a nonprofit, independent organization engaged in developing standards and certifying to standards. Its corporate mission is: "Services in Support of Voluntary Standardization."

Subsequent to the organization of the Health Care Technology Program in 1973, the Technical Committee on Dentistry was formed "to develop standards for procedures (other than clinical procedures), materials, devices and equipment used in the practice of dentistry with the object of assuring the safety and welfare of patients and dental personnel and the performance of products." The Committee also participates as the Canadian Advisory Committee for TC106-Dentistry of the International Organization for Standardization.

To date the Technical Committee has formed four subcommittees to survey and prepare standards for such matters as filling materials, prosthetic materials, terminology and instruments. Though, as yet, dental standards have not been published, the development of standards is progressing rapidly. It is expected that the standards prepared by these subcommittees will be based primarily upon relevant ISO and American standards with suitable revisions for Canadian applications, if necessary.

The Czechoslovakian Society for Standardization and Measuring (Úrad Pro Normalizaci a Merení) (CSN), Václavské Namesti 19, Praha-1-Nové Mesto, Czechoslovakia.

This organization has developed seven specifications since the first one was promulgated in 1955. One specification deals with terminology of tools, apparatus, and appliances for dentistry, one for instruments and five for materials. These standards are obligatory.

French Standards Association (Association Francaise de Normalisation) (AFNOR), Tour Europe, Cedex 7, 92080 Paris, La Defense, France.

The French Standards Association, founded in 1926, filled the gap left by the Permanent Standardization Commission (CPS). CPS instituted itself in 1918. AFNOR has always been a private, nonprofit organization which was recognized as a public service by a 1943 decree. Its membership consists of government authorities, scientific and technical societies, industrial and commercial associations, private firms and individuals. About 99 percent of AFNOR's 10,000 National Standards are voluntary. Twenty-eight deal with dentistry through the National Committee, Art Dentaire.

German Standards Institute (Deutsches Institut für Normung e.V. Normenausschusse Dental) (DIN), Westliche 56, 7530 Pforzheim, W. Germany, is the central body responsible for standardization in Germany. Since 1917 standardization is in progress in Germany and more than 15,000 standards exist. Membership in DIN is voluntary and not a pre-condition for participation in working groups. DIN is a nongovernmental institute with very little subsidy by the government.

The Normenausschuss Dental, with its secretariat at 7530 Pforzheim, Westliche 56, W. Germany, is responsible for standardization in the field of dentistry. DIN by Normenausschuss Dental is the official and only representative of Germany in international standardization bodies, particularly in ISO. Working results of about 15 national working groups of Normenausschuss Dental are laid down and published in about 70 DIN standards. These standards may be ordered through Beuth-Verlag, Burggrafenstrasse 4-10, 1000 Berlin 30, or any national standards institute.

Hungarian Standards Association (Magyar Szábvanyügyi Hivatal) (MSZH), U1101-UT-25, Budapest IX, Hungary.

This agency has formulated 32 specifications for dental instruments. A separate specification is given for each handheld instrument. Less than 20 percent of the standards are compulsory.

Indian Standards Institution (ISI), Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi, 110 002, India.

This institution, established in 1947, is sustained principally by subscribing members in different categories, and by a grant-in-aid from the Government of India. ISI has published over 9,000 standards since its inception. Most of these standards are used by governmental agencies at all levels, commercial organizations and other public and private undertakings.

Standards Institution of Israel (SII), University Street, Tel Aviv, Israel.

This institution has three specifications dealing with dentistry, dental casting gold alloy and tooth brushes.

Japanese Industrial Standards Committee (JISC), Agency of Industrial Science and Technology, Ministry of International Trade and Industry, 3-1, Kasumigaseki, Chiyoda-ku, Tokyo, Japan.

This committee in the government Agency of Industrial Science and Technology has 29 divisions, including one for the formulation of specifications for medical instruments and apparatus. This medical division has delegates from the health professions, manufacturers, government, officials and researchers. The actual work of preparing the specifications is carried on by a committee formed to work out a specification for a particular type of material or instrument. This committee's composition includes dentists, manufacturers and researchers. The recommendations of each committee go through channels until they reach the

Minister of Welfare who makes them official Japanese Industrial Standards (JIS). There are at present 30 kinds of dental materials and 32 items of dental apparatus for which JIS status has been granted.

Polish Committee of Standardization and Measures (Polski Komitet Normalizacji i Miar) (PKN), 00-139 Warszawa, ul. Elektoraina 2, Poland.

This committee gives the following information on standardization of dental items.

The series of standards in dentistry, worked up in Poland, contains national standards lettered PN and branch standards lettered BN. National standards relate to classification, nomenclature, marking, parameters and features of production quality having general and particularly valid significance. They are mandatory throughout the country. BN standards have the character of civil standards but they are mandatory in the narrower domain of application, and in the smaller range. They relate to the problems of standardization of definite products.

The standards related to dentistry are developed by Research-Development Centre of Medical Technics—"ORMED." The national standards are definitely established by Polish Committee of Standardization and Measures which runs the whole standardization work in Poland.

South African Bureau of Standards (SABS), Dr. Lategan Road, Groenkloof, Private Bag X191, Pretoria, Republic of South Africa.

SABS assumed the task of standardization at its founding in 1945 by an Act of Parliament. Its operating funds stem from a parliamentary grant, fees from testing, inspection and certification schemes and sales of publications.

For some of the products listed only government purchasing (CKS) specifications are available, while for others national standard (SABS) specifications are available. The latter are generally more comprehensive and in addition to normal use can form the basis of certification marking schemes.

Swedish Standards Institution (Standardiserings-kommissionen i Sverige) (SIS), Box 3295, S-103 66 STOCKHOLM, Tegnergatan 11, Sweden.

SIS does not for the time being publish any standards on dental materials but is channeling and coordinating the Swedish participation in ISO/TC106-Dentistry.

The Swedish Planning and Rationalization Institute of the Health and Social Services (Spri), Fack, S-102 50, Stockholm, Sweden, does publish specifications— Swedish hospital standards—for dental equipment, instruments and materials. Spri is closely associated with SIS and takes part actively in the work of ISO/TC106-Dentistry.

By agreement among the governments of Denmark, Finland, Norway and Sweden, the Scandinavian Institute of Dental Materials (NIOM) has been formed for testing, certification and research regarding dental materials and equipment to be used in the four countries. For this task ISO International Standards are used to the greatest possible extent.

Extant Specifications for Dental Materials

A listing of the current specifications for dental materials throughout the world shows the following:

| Organization | Number of Specifications |
|---|-----------------------------|
| Federation Deutaire Internationale (FDI) | Uses ISO Standards |
| International Organization for Standardization (ISO) | 24 |
| American Dental Association (ADA) | 65 |
| Dental Specifications of Various States of the U.S.A. | 10 |
| American National Standards Institute (ANSI) | 34 |
| Defense Medical Materiel Board (DMMB) (U.S.A.) | 334* |
| Standards Association of Australia (SAA) | 54 |
| British Standards Institution (BSI) | 30 |
| Canadian Standards Association (CSA) | 9 |
| Czechoslovakian Society for Standardization and Measuring (CSN) | 7 |
| French Standards Association (AFNOR) | 29 |
| German Standards Institute (DIN) | 66 |
| Hungarian Office of Standardization (MSZH) | 27 |
| Indian Standards Institution (ISI) | 135 |
| Standards Institution of Israel (SII) | 3 |
| Japanese Standards Association (JISC) | 63 |
| Polish Committee of Standardization and Measures (PKNIM) | 45 |
| South African Bureau of Standards (SABS) | 21 |
| Swedish Planning and Rationalization Institute (Spri) | 61 |

^{*}Many dental items such as paper and cotton products, etc. are not included.

Index to World Dental Specifications and Standards

Each national ISO Member Body serves, within its country, as the sole sales agent and information center for international specifications and for specifications of other national standardizing bodies, as well as for its own national specifications.

ISO INTERNATIONAL STANDARDS

| Title | ISO Number |
|--|-----------------|
| Alloy for dental amalgam | ISO 1559-1978 |
| Dental mercury | ISO 1560-1975 |
| Dental inlay casting wax | ISO 1561-1975 |
| Dental casting gold alloys | ISO 1562-1976 |
| Alginate impression material | ISO 1563-1978 |
| Agar impression material | ISO 1564-1976 |
| Dental silicate cement (hand mixed) | ISO 1565-1978 |
| Dental zinc phosphate cement | ISO 1566-1978 |
| Dental base resin | ISO 1567-1978 |
| Dental burs and cutters—Fitting dimensions | ISO 1797-1976 |
| Dental vocabulary—List 1: Basic terms Bilingual edition | ISO 1942/1-1977 |
| Dental vocabulary—List 2: Dental materials Bilingual edition | ISO 1942/2-1977 |
| Dental vocabulary—List 3: Dental instruments and equipment Bilingual edition | ISO 1942/3-1977 |
| Dental vocabulary—List 4: Terms associated with testing of dental materials, instruments and equipment Bilingual edition | ISO 1942/4-1976 |
| Dental burs and cutters—Nominal sizes and designation of working parts | ISO 2157-1972 |
| Dental zinc oxide/eugenol filling materials | ISO 3106-1974 |
| Dental zinc oxide-eugenol cementing materials | ISO 3107-1974 |
| Dentistry—Working space of the dentist—Definitions and principles | ISO 3246-1977 |
| Dentistry—Synthetic resin teeth | ISO 3336-1977 |
| Dental silicophosphate cement (hand-mixed) | ISO 3824-1977 |
| Capsulated dental silicate and silico-phosphate filling materials | ISO 3851-1977 |
| Tooth designation for dental purposes—Two-digit system | ISO 3950-1977 |
| Dental handpieces—Coupling dimensions | ISO 3964-1977 |
| Resin-based dental filling materials | ISO 4049-1978 |

LIST OF DRAFT INTERNATIONAL STANDARDS (DIS) AND DRAFT PROPOSALS (DPs) WHICH ARE CURRENTLY BEING PREPARED BY ISO/TC106-DENTISTRY

| Title | Number |
|---|------------|
| Revision of 1463—1973 Metallic and Oxide Coatings—Measurement of Coating Thickness—Microscopical Method | DP 1463 |
| Revision of 1562—1976 Dental Casting Gold Alloys | DP 1562 |
| Addendum 1 to 1942/1 | DAD 1942/1 |
| Addendum 2 to 1942/1 | DAD 1942/1 |
| Addendum 1 to 1942/2 | DAD 1942/2 |
| Dental Vocabulary—List 3: Dental Instruments and Equipment—Addendum 1 | DAD 1942/3 |
| Addendum 2 to 1942/3 | DAD 1942/3 |
| Addendum 1 to 1942/3—1977 Dental Vocabulary—List 3: Dental Instruments and Equipment | DAD 1942/3 |
| Addendum 1 to 1942/4 | DAD 1942/4 |
| Dental Root Canal Instruments—Part 1: Nominal Sizes, Dimensions and Colour Coding for Reamers and Files | DIS 3630/1 |
| Dental Root Canal Instruments—Part 2: Files and Reamers | DP 3630/2 |
| Dental Root Canal Instruments—Part 3: Barbed Broaches and Rasps | DP 3630/3 |
| Dental Root Canal Instruments—Part 4: Paste Carriers | DP 3630/4 |
| Dental Burs and Cutters—Dimensions of Working Parts and Overall Length, Requirements for Run-out (Eccentricity and Surface Roughness) | DIS 3823 |
| Dental Equipment—Items of Dental Equipment at the Working Place—Identification System | DIS 4073 |
| Dental Operating Chair—General Requirements | DIS 4083 |
| Dental Carboxylate Cement | DIS 4104 |
| Elastomeric Dental Impression Materials | DIS 4823 |
| Dentistry—Porcelain Teeth | DP 4824 |
| Cobalt-Chromium Denture Base Materials | DP 4825 |
| Dental Rotary Instruments—Number Coding System—Part 1: General Principles | DIS 6360/1 |
| Dental Rotary Instruments—Number Coding System—Part 2: Material of Working Part, and Coating or Binding | DIS 6360/2 |

| Dental Rotary Instruments—Number Coding System—Part 3: | DIS | 6360/3 |
|--|-----|--------|
| Type of Shank and Handle, and Overall Length | | |
| Dental Rotary Instruments—Number Coding System—Part 4: Shape and Design | DP | 6360/4 |
| Denture Base Metal Casting Alloys | DP | 6871 |
| Dental Porcelain Powders | DP | 6872 |
| Dental Gypsum Products | DP | 6873 |
| Dental Pit and Fissure Sealants | DP | 6874 |
| Dental Patient Chair—Specification | DP | 6875 |
| Dental Root Canal Sealers | DP | 6876 |
| Endodontic Core Materials | DP | 6877 |

Index to National Dental Specifications and Standards

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AMERICAN DENTAL ASSOCIATION (ADA) SPECIFICATIONS*

| Title | ADA Number |
|--|------------|
| Specifications | |
| Alloy for Dental Amalgam | 1 |
| Casting Investment for Dental Gold Alloy | 2 |
| Dental Impression Compound | 3 |
| Dental Inlay Casting Wax | 4 |
| Dental Casting Gold Alloy | 5 |
| Dental Mercury | 6 |
| Dental Wrought Gold Wire Alloy | 7 |
| Dental Zinc Phosphate Cement | 8 |
| Dental Silicate Cement | 9 |
| Dental Agar Impression Material | 11 |
| Denture Base Polymers | 12 |
| Denture Cold-Curing Repair Resin | 13 |
| Dental Base Metal Casting Alloys | 14 |
| Acrylic Resin Teeth | 15 |
| Dental Impression Paste—Zinc Oxide-Eugenol Type | 16 |
| Denture Base Temporary Relining Resin | 17 |
| Dental Alginate Impression Material | 18 |
| Elastomeric Dental Impression Material | 19 |
| Dental Duplicating Material | 20 |
| Dental Zinc Silico-Phosphate Cement | 21 |
| Intraoral Dental Radiographic Film | 22 |
| Dental Excavating Burs | 23 |
| Dental Base Plate Wax | 24 |
| Dental Gypsum Products | 25 |
| Dental X-Ray Equipment and Accessory Devices | 26 |
| Direct Filling Resins | 27 |
| Endodontic Files and Reamers | 28 |
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| Proposed—Dental Explorers | 29.1 |
| Zinc Oxide-Eugenol Type Restorative Materials | 30 |
| Exposure Time Designations for Timers of Dental X-Ray Machines | 31 |

| Orthodontic Wires Not Containing Precious Metals | 32 |
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| Standard Terminology and Definitions | 33 |
| Supplement | 33ε |
| Aspirating Syringes | 34 |
| Proposed: Handpieces Dental Diamond Rotary Cutting Instruments Dental Abrasive Powders Porcelain-Metal Systems Pit and Fissure Sealants Dental Implants | 35 36 37 38 39 40 |
| ANSI/ADA Document No. 41 for Recommended Standard Practices for Biological Evaluation Dental Materials | 41 |
| Proposed: Phosphate-Bonded Investments Mechanical Amalgamators Dental Electrosurgical Equipment Porcelain Teeth Chairs Units Ultraviolet Activator and Disclosing Lights Analgesia-Anesthesia Equipment Casting Machines Gas Furnaces | 42 43 44 45 46 47 48 49 50 |
| ANSI/ADA Uranium Content in Dental Porcelain and Porcelain Teeth | 52 |
| Proposed: Crown and Bridge Plastics Needles Dispensers of Alloy and Mercury for Dental Amalgam Dental Floss Endodontic Filling Materials Hedstrom Files, Rasps and Barbed Broaches Sterilizers Jet Injectors Zinc Polycarboxylate Cement Dental Abrasive Pastes Standards | 53 54 55 56 57 58 59 60 61 62 |
| Shapes, head dimensions and shank dimensions for Dental Diamond rotary instruments | |
| Recommended standard practices for clinical research protocol for dental materials and devices | |
| Dental terminology | |
| Recommendations | |
| For mercury surveys of dental offices | |
| In radiographic practices | |
| In mercury hygiene | |

^{*}These specifications, standards and recommendations are available from the American Dental Association, 211 East Chicago Avenue, Chicago, Ill. 60611, U.S.A.

DENTAL SPECIFICATIONS OF VARIOUS STATES OF THE U.S.A.

Some states in the U.S.A., namely, New York,* New Jersey,** and Pennsylvania*** have dental specifications as follows:

| State | Title | Number |
|-------|--|------------|
| NY | Automatic Dental Film Processor (X-Ray) (University) (1971) | 11001-0716 |
| NY | Panoramic Dental X-Ray System and Related Accessories (Hospital) | 11001-0559 |
| NY | Stationary Extra and Intra Oral Full Mouth Dental X-Ray System (Medical Center) (1968) | 11001-0865 |
| NY | Split Assembly Dental X-Ray Unit (Psychiatric Institute) (1971) | 11001-0867 |
| NY | Wall Mounted Dental X-Ray Unit (1968) | 11001-0886 |
| NY | Mobile Dental X-Ray Unit (1969) | 11001-0851 |
| NJ | Medical and Dental X-Ray Film (X-26) (1969) | 13 |
| NJ | Dentistry (1968), Specification for Laundry Service | 9932-02A |
| NJ | New Jersey College of Medicine and Dentistry (1968) (Catalogue) | 9932-02A |
| Pa | Dentrifice (Therapeutic) for Dental Hygiene (1971) USC Ps50 | D-25 |

^{*}Director of Purchasing, Division of Purchasing, Office of General Services, 119 Washington Avenue, Albany, N.Y. 11225

^{**}Division of Purchase and Property, Department of the Treasury, State House, Trenton, N.J. 08625

^{***}Secretary of Property and Supplies, Department of Property and Supplies, Room 602, North Office Building, Harrisburg, Pa. 17125

AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)

| Title | Number |
|--|--------------------------|
| Dental Materials, Specifications for: | |
| Alloy for Dental Amalgam (ADA Spec No. 1) (Agrees with ISO 1559) (redesignation of Z156.1-1972) | MD156.1-1972 |
| Casting Investment for Dental Gold Alloy (ADA Spec No. 2) with Addendum MD156.2a-1965 (R1975) (redesignation of Z156.2-1962 and Z156.2a-1965) | MD156.2-1962 (R1975) |
| Dental Impression Compound (ADA Spec No. 3) with Addendum MD156.3a-1965 (R1975) (redesignation of Z156.3-1962 and Z156.3a-1965) | MD156.3-1962 (R1975) |
| Dental Inlay Casting Wax (ADA Spec No. 4) (Agrees with ISO 1561) (revision and redesignation of Z156.4-1962) | MD156.4-1975 |
| Dental Casting Gold Alloy (ADA Spec No. 5) (redesignation of Z156.5-1972) | MD156.5-1972 |
| Dental Mercury (ADA Spec No. 6) (Agrees with ISO 1560) (redesignation of Z156.6-1962) | MD156.6-1962 (R1975) |
| Dental Wrought Gold Wire Alloy (ADA Spec No. 7) (Agrees with ISO 1562) with Addendum MD156.7a-1965 (R1975) (redesignation of Z156.7-1962 and Z156.7a-1965) | MD156.7-1962 (R1975) |
| Dental Zinc Phosphate Cement (ADA Spec No. 8) (redesignation of Z156.8-1972) | MD156.8-1972 |
| Dental Silicate Cement (ADA Spec No. 9) (Agrees with ISO 1565) (redesignation of Z156.9-1963) | MD156.9-1963 (R1975) |
| Dental Agar Impression Material (ADA Spec No. 11) (redesignation of Z156.11-1972) | MD156.11-1972 |
| Denture Base Polymers (ADA Spec No. 12) (Agrees with ISO 1567) (revision and redesignation of Z156.12-1965) (R1975) | MD156.12-1965 |
| Denture Cold Curing Repair Resin (ADA Spec No. 13) (redesignation of Z156.13-1962) | MD156.13-1962 (R1975) |
| Dental Chromium-Cobalt Casting Alloy (ADA Spec No. 14) with Addendum MD156.14a-1965 (R1975) (redesignation of Z156.14-1962 and MD156.14a-1965) | MD156.14-1962 (R1975) |
| Acrylic Resin Teeth (ADA Spec No. 15) with Addendum MD156.15a-1965 (R1975) (redesignation of MD156.15-1962 and Z156.15a-1965) | MD156.15-1962 (R1975) |
| Dental Impression Paste, Zinc Oxide-Eugenol Type (ADA Spec No. 16) with Addendum MD156.16a-1965 (R1975) (redesignation of of Z156.16-1962 and Z156.16a-1965) | MD156.16-1962 (R1975) |
| Denture Base Temporary Relining Resin (ADA Spec No. 17) with Addendum MD156.17a-1965 (R1975) (redesignation of Z156.17-1962 and Z156.17a-1965) | MD156.17-1962 (R1975) |
| Alginate Impression Material (ADA Spec No. 18) (redesignation of Z156.18-1972) | MD156.18-1972 |

| MD156.19-1972 |
|-----------------------|
| MD156.20-1972 |
| MD156.21-1972 |
| PH8.1 |
| MD156.23-1975 |
| MD156.24-1972 |
| MD156.25-1973 |
| MD156.26-1975 |
| MD156.27-1976 |
| MD156.28-1976 |
| MD156.29-1976 |
| MD156.30-1977 |
| MD156.31-1975 |
| MD156.32-1977 |
| MD156.33-1976 |
| |
| PH6.2-1970 (R1976) |
| PH6.1-1970 (R1976) |
| |

^{*}Proposed

Copies may be obtained from:
The American National Standards Institute,
1430 Broadway, New York, N.Y. 10018, U.S.A.

DENTAL FEDERAL AND MILITARY SPECIFICATIONS AND STANDARDS^{(1),(2)}

| FSC ⁽³⁾ | Title | Number | Date |
|--------------------|--|--------------|-----------|
| 6520 | Abrasive Paste, Dental, Validated Jul 74 | P-A-86A | 14 Aug 57 |
| 6520 | Abrasive Paste, Dental | P-A-0086B | 17 Nov 70 |
| 6520 | Abrasive, Dental, Powder | MIL-A-36826A | 15 Aug 78 |
| 6520 | Amalgamator, Electric, Dental, Single Speed | MIL-A-37711 | 02 Jan 77 |
| 6520 | Applicator Set, Pin Retention, Dental | MIL-A-36644 | 03 Mar 70 |
| 6520 | Arbor and Band Set, Dental Handpiece, Validated Sep 73 | GG-A-00671C | 23 Jan 67 |
| 6520 | Articulator, Dental | GG-A-684 | 22 May 47 |
| 6520 | Articulator, Dental | GG-A-00684A | 16 Oct 68 |
| 6520 | Articulator, Dental, Plain Line, Lingual Access Design | MIL-A-37819A | 18 Aug 78 |
| 6520 | Bag, Dental Prosthesis, Plastic Validated Sep 73 | MIL-B-36528 | 10 Feb 67 |
| 6520 | Band Set, Copper, Dental and Copper Strip Dental, Validated Jul 74 | RR-B-96B | 18 Jul 57 |
| 6520 | Band Set, Matrix, Dental, Strip, Matrix Dental, and Band, Matrix, Dental | GG-B-0095D | 07 Jun 72 |
| 6520 | Band Set, Matrix, Dental, Strip, Matrix Dental and Band, Matrix, Dental, Validated Oct 69 | GG-B-95C | 10 Oct 62 |
| 6520 | Band, Abrasive (Silicon-carbide), for Dental Lathes, Validated Jul 74 | GG-B-89B | 04 Mar 58 |
| 6520 | Band, Abrasive (Silicon-carbide), Validated Jul 74 | GG-B-0089C | 09 Mar 67 |
| 6520 | Band, Ligature, Dental, Rubber | ZZ-B-00117B | 12 Jan 71 |
| 6520 | Band, Ligature, Dental, Rubber, Validated May 72 | ZZ-B-117A | 04 Sep 58 |
| 6520 | Bands and Strip, Copper, Dental | RR-B-0096C | 13 May 68 |
| 6520 | Baseplate, Dental, Validated Jul 74 | GG-B-120A | 20 Sep 56 |
| 6520 | Baseplate, Dental | GG-B-00120B | 16 Apr 69 |
| 6520 | Basket, Cartridge, Dental Impression Material | MIL-B-36877 | 06 Jul 72 |
| 6520 | Bath, Water, Dental Impression Compound, Thermostatically Controlled | GG-B-00140C | 17 Sep 70 |
| 6520 | Bath, Water, Dental Impression Compound, Thermostatically Controlled | GG-B-140A | 16 Apr 57 |
| 6520 | Bath, Water, Dental Impression Material, Low Temperature | MIL-B-37295A | 17 Aug 78 |
| 6520 | Blade and Flame, Dental Laboratory Die Saw | MIL-B-36411 | 15 Mar 65 |
| | | | |

| 6520 | Blade and Frame, Dental Laboratory Saw | GG-B-00406B | 12 Aug 70 |
|------|--|----------------|-------------------|
| 6520 | Blades and Frame, Dental Laboratory Saw, Validated Jul 74 | GG-B-406A | 28 Jan 58 |
| 6520 | Block, Soldering, Dental | GG-B-00476D | 01 Nov 72 |
| 6520 | Block, Soldering, Dental, Validated Jul 74 | GG-B-476C | 12 Feb 58 |
| 6520 | Blowpipe Outfit, Acetylene | GG-B-511 | 31 Jul 52 |
| 6520 | Blowpipe, Soldering, Dental Laboratory, Validated May 66 | GG-B-501B | 20 Aug 58 |
| 6520 | Blowtorch, Alcohol | MIL-B-36777A | 31 Aug 78 |
| 6520 | Bowl, Plaster of Paris Mixing | ZZ-B-00616C | 09 Dec 69 |
| 6520 | Bowl, Plaster of Paris Mixing | ZZ-B-616D | 23 Aug 76 |
| 6520 | Brazing Alloy, Gold, Validated May 66 | QQ-B-653B | 23 Mar 60 |
| 6520 | Broach, Pulp Canal, Barbed, Dental | GG-B-00686D | 07 Jun 73 |
| 6520 | Broach, Root Canal, Dental, Validated Jul 74 | GG-B-686B | 13 Aug 57 |
| 6520 | Brush, Bristle, Dental Handpiece, Mandrel Mounted | GG-B-00735A | 15 May 74 |
| 6520 | Brush, Bristle, Dental Handpiece, Mandrel Mounted, Validated Jul 74 | GG-B-735 | 09 Aug 60 |
| 6520 | Brush, Denture, Cleaning | H-B-00185A | 13 Jul 70 |
| 6520 | Brush, Denture, Cleaning, Validated Jul 74 | H-B-185 | 01 Nov 60 |
| 6520 | Brush, Fiber, Rotary Wheel (for Dental Lathe) | GG-B-00750D | 06 Nov 69 |
| 6520 | Brush, Fiber, Rotary Wheel (for Dental Lathe), Validated Aug 69 | GG-B-750C | 30 Apr 62 |
| 6520 | Brush, Polishing, Dental Handpiece (Right Angle) | MIL-B-36170A | 24 Mar 70 |
| 6520 | Brush, Scratch, Dental, Validated Jul 74 | H-B-248A | 18 Dec 58 |
| 6520 | Brush, Scratch, Dental | H-B-00248B | 10 Aug 67 |
| 6520 | Bur, Dental, Validated Aug 64 | GG-B-821 | 14 May 48 |
| 6520 | Bur, Dental Surgery, Validated Jul 74 | MIL-B-36446A | 24 Sep 73 |
| 6520 | Bur, Dental Excavating, Tungsten Carbide | GG-B-00821E(1) | 12 Apr 76 |
| 6520 | Bur, Dental, Excavating, Endodontic | MIL-B-36829A | 25 Sep 78 |
| 6520 | Bur, Dental, Finishing | GG-B-001275 | 17 Oct 67 |
| 6520 | Bur, Dental, Finishing, Tungsten Carbide | MIL-B-37036 | 03 Apr 74 |
| 6520 | Bur, Dental, Operating, Endodontic | MIL-B-36827A | 25 Sep 78 |
| 6520 | Bur, Denture Trimming | MIL-B-36179A | 09 Sep 65 |
| 6520 | Bur, Denture Trimming | GG-B-823C(1) | 17 J un 75 |
| 6520 | Bur, Denture Trimming, Straight Handpiece, Tungsten Carbide | MIL-B-37811A | 26 Sep 78 |
| 6520 | Burner Outfit, Gas, Dental Laboratory | GG-B-00511A | 19 Aug 69 |

| 6520 | Burnisher, Dental | GG-B-001294 | 13 Feb 67 |
|------|--|--------------|-----------|
| 6520 | Cabinet, Tooth Assortment, Compartmented | GG-C-0048A | 12 Sep 67 |
| 6520 | Cabinets, Compartmented, Metal, Dental, for Porcelain Teeth, Validated Jun 64 | GG-C-48 | 27 Jul 50 |
| 6520 | Capsule and Pestle, Dental Amalgam | MIL-C-37360 | 12 Aug 76 |
| 6520 | Carrier, Amalgam (Dental) | U-C-125 | 15 May 54 |
| 6520 | Carrier, Amalgam (Dental) | U-C-00125B | 23 Apr 68 |
| 6520 | Carver, Dental (Amalgam and Wax) | GG-C-1265C | 01 Jul 76 |
| 6520 | Case, Dental Instruments, Sterilizing and Storage | MIL-C-36260A | 14 Feb 73 |
| 6520 | Casting, Machine, Dental Metals and Replacement Parts | GG-C-001321 | 13 Oct 67 |
| 6520 | Cement, Copper and Zinc Phosphates, Dental, Validated Mar 65 | U-C-198A | 23 Jan 57 |
| 6520 | Cement, Silicate and Zinc Phosphate, Dental | MIL-C-36814 | 09 Feb 72 |
| 6520 | Cement, Zinc Oxide and Eugenol, Dental (Crown and Bridge) | M1L-C-36548A | 21 Mar 77 |
| 6520 | Cement, Zinc Oxide and Eugenol, Dental (Intermediate Restorative Material) | M1L-C-36757A | 08 Sep 76 |
| 6520 | Cement, Zinc Oxide and Polyacrylic Acid, Dental | MIL-C-36871 | 07 Jun 72 |
| 6520 | Cement, Zinc Phosphate, Dental, Validated Jul 74 | U-C-211A | 13 Dec 56 |
| 6520 | Cement, Zinc Phosphate, Dental | U-C-00211D | 06 Sep 74 |
| 6520 | Chair, Rotary, Dental Prosthetic Laboratory | MIL-C-36173A | 11 Feb 69 |
| 6520 | Chisel, Dental, Bone, Surgical | MIL-C-37741A | 15 Sep 78 |
| 6520 | Chisel (Cutting Instruments), Dental, Carbon Steel | MIL-C-36804 | 09 Nov 71 |
| 6520 | Chisel (Cutting Instruments), Dental | GG-C-001433B | 12 Jul 76 |
| 6520 | Chisel, Denture Trimming | GG-C-00289A | 11 Sep 69 |
| 6520 | Chisel, Denture Trimming, Laboratory, Validated Jul 74 | GG-C-289 | 25 Oct 49 |
| 6520 | Clay, Modeling, 1/2 lb. | U-C-00451A | 28 Mar 72 |
| 6520 | Clay, Modeling, Dental, Validated Jul 74 | U-C-451 | 14 Jan 48 |
| 6520 | Cloth, Sqeeuze, Dental | DDD-C-00475B | 09 Jun 72 |
| 6520 | Coating Plastic, Denture Model | MIL-C-36584 | 10 Jul 69 |
| 6520 | Cone, Felt, Dental Grinding and Polishing Machine | GG-C-00576C | 26 Jun 73 |
| 6520 | Cones and Wheels, Felt, Dental Grinding and Polishing Machine, Validated Jul 74 | GG-C-576B | 18 Mar 57 |
| 6520 | Covers, Bracket Table, Dental, Paper | UU-C-611C | 23 Jun 76 |
| 6520 | Cup and Holder, Dental Waste, Validated Sep 73 | MIL-C-36498 | 22 Jul 66 |
| 6520 | Cup, Dental Amalgam | M1L-C-36843A | 08 Feb 77 |
| | | | |

| 6520 Curette, Alveolar (Molt) 6520 Curette, Alveolar (Molt) 6520 Curettes, Periodontal, Gracey 6520 Curettes, Periodontal, McCall 6520 Curing Unit, Denture 6520 Curing Unit, Denture, Two Stage | |
|---|---|
| 6520 Curettes, Periodontal, Gracey MIL-C-36491A 6520 Curettes, Periodontal, McCall MIL-C-36507B 6520 Curing Unit, Denture GG-C-860B | 26 Jan 76 27 Apr 76 20 Jun 78 03 Jul 69 04 Sep 58 |
| 6520 Curettes, Periodontal, McCall MIL-C-36507B 6520 Curing Unit, Denture GG-C-860B | 27 Apr 76 20 Jun 78 03 Jul 69 04 Sep 58 |
| 6520 Curing Unit, Denture GG-C-860B | 20 Jun 78 03 Jul 69 04 Sep 58 07 Nov 68 |
| | 03 Jul 69 04 Sep 58 07 Nov 68 |
| 6520 Curing Unit, Denture, Two Stage GG-C-00860A | 04 Sep 58 07 Nov 68 |
| | 07 Nov 68 |
| 6520 Dental Engine, Laboratory, Bench, Electric, GG-D-195A Validated May 66 | |
| 6520 Dental Engine, Laboratory, Bench, Electric GG-D-00195B | 16 Apr 75 |
| 8520 Dentifrice FFF-D-191D | |
| Denture Base Forming Kit, Fluid Resin Technique, WIL-D-36776 Validated Jul 78 | 16 Jul 71 |
| 6520 Disk, Plastic, Abrasive, Dental MIL-D-36256 | 26 Jun 76 |
| Disk Set, Abrasive, Dental Handpiece (Disk, Abrasive, Mandrel, Dental Handpiece) GG-D-00419D | 21 Oct 76 |
| Disk Set, Abrasive, Dental Handpiece (Paper, with Stand) GG-D-419D | 21 Oct 76 |
| Disk, Abrasive, Silicon Carbide, Dental, GG-D-00426B Validated May 76 | 17 Feb 69 |
| Disk, Abrasive, Silicon Carbide, Dental, Validated June 75 | 09 Jan 57 |
| Dispenser, Cotton Pellet, Dental, Validated Jun 75 GG-D-00444B | 19 Jan 68 |
| Dispenser, Cotton Pellet, Dental, Validated Jun 75 GG-D-444A | 19 Apr 57 |
| Dispenser, Dental Floss, Metal, Validated Sep 73 MIL-D-36242A | 20 Sep 66 |
| 6520 Dispenser, Mercury, Dental GG-D-455 | 13 Sep 56 |
| 6520 Dispenser, Strip, Dental, Validated Jun 75 GG-D-00441C | 30 Apr 69 |
| 6520 Dispenser, Strip, Dental, Validated Jun 75 GG-D-441B | 01 May 57 |
| 6520 Drill, Pulp Canal, Dental, Gates-Glidden, MIL-D-37775A Angle Handpiece | 19 Sep 78 |
| 6520 Drill, Pin Hole, Dental MIL-D-36786A | 14 Mar 74 |
| 6520 Elevator, Dental, Surgical GG-E-1161 | 26 Apr 67 |
| 6520 Excavator, Dental, Corrosion Resisting Steel GG-E-1230B | 13 Jul 76 |
| 6520 Excavator, Dental (Darby-Perry) GG-E-001334 | 04 May 67 |
| 6520 Excavator, Dental, Carbon Steel MIL-E-36803 | 09 Nov 71 |
| 6520 Explorer, Dental, Validated Jun 75 GG-E-916B | 26 Aug 57 |
| 6520 Explorer, Dental GG-E-00916E | 06 Apr 73 |
| File and Reamer Set, Pulp Canal, Dental, Validated Jul 74 GG-F-336C(1) | 31 Jan 61 |

| 6520 | File and Reamer, Pulp Canal, Dental Standardized | GG-F-00336G | 23 Jun 76 |
|------|--|--------------|-------------------|
| 6520 | File, Bone, Dental, Double-ended, Seldin No. 11, Validated Jul 78 | M1L-F-36733 | 06 Jan 71 |
| 6520 | File, Periodontal, Orban | MIL-F-36523A | 12 Oct 72 |
| 6520 | File, Pulp Canal, Dental, Hedstrom | M1L-F-36782 | 05 Aug 71 |
| 6520 | Flashlight, Patient, Examining, Disposable | M1L-F-36678B | 22 Mar 76 |
| 6520 | Flask, Denture, Crown and Bridge, Validated May 76 | M1L-F-36585 | 03 Sep 69 |
| 6520 | Flask, Denture, Upper and Lower, Ejector Type | M1L-F-36284A | 07 Aug 68 |
| 6520 | Floss and Tape, Dental, Waxed USER-GL 26 REV-EA | FFF-F-486B | 28 Oct 76 |
| 6520 | Floss, Waxed, Dental REV-EA | FFF-F-00486A | 15 Feb 67 |
| 6520 | Flux, Casting, Dental (Reducing) | O-F-501B | 25 Mar 58 |
| 6520 | Forceps, Casting, Removing, Dental | M1L-F-36571B | 10 Jan 77 |
| 6520 | Forceps, Dental Articulating Paper, Validated May 76 | MIL-F-36176A | 03 Oct 69 |
| 6520 | Forceps, Dressing, Dental, Validated Jun 75 | GG-F-599 | 02 May 68 |
| 6520 | Forceps, Dressing, Dental | GG-F-00599A | 05 Jan 70 |
| 6520 | Forceps, Rubber Dam Clamp, Dental | M1L-F-36458A | 17 Oct 72 |
| 6520 | Forceps, Tooth Extracting, Validated Jul 74 | GG-F-1240 | 13 Feb 68 |
| 6520 | Forceps, Tooth Extracting, Validated Jul 78 | GG-F-001240A | 23 Aug 72 |
| 6520 | Furnace, Dental Laboratory, Electric | W-F-7790 | 18 Nov 77 |
| 6520 | Gingival Retraction Cord | M1L-G-36509C | 04 Aug 78 |
| 6520 | Gold Alloy, Casting, Dental | QQ-G-00540B | 01 Feb 65 |
| 6520 | Gold Foil, Cylinder, Dental | QQ-G-00545B | 03 May 71 |
| 6520 | Gold, Casting, Dental | QQ-G-540A(1) | 11 J un 59 |
| 6520 | Gold, Foil, Cylinders (for dental fillings), Validated Jul 74 | QQ-G-545(1) | 30 Mar 51 |
| 6520 | Grinding and Polishing Machine, Dental Laboratory, Validated Jul 78 | 00-G-682 | 08 Aug 56 |
| 6520 | Grinding and Polishing Machine, Dental Laboratory, Bench Mounted, 115 Volt, 60 Cycle, AC | 00-G-00682A | 29 Sep 70 |
| 6520 | Grinding and Polishing Machine, Dental Laboratory, Bench Mounted, High Speed, 110 Volt, 60 Cycle, AC, Validated Jul 75 | MIL-G-36294A | 28 May 69 |
| 6520 | Grinding and Polishing Machine, Dental Laboratory, Floor Mounted, 110 Volt, 60 Cycle, AC, (Use in lieu of Fed Spec OO-G-684), Validated Jul 74 | 00-G-00684B | 15 Mar 67 |
| 6520 | Grinding and Polishing Machine, Dental Laboratory, Floor Mounted, 110 Volt, 60 Cycle, AC, Validated Jul 78 | 00-G-684 | 31 Jul 58 |

| 6520 | Guide, Occlusal Plane, Fox | MIL-G-36928 | 09 Dec 72 |
|------|---|----------------|-----------|
| 6520 | Guide, Sharpening, Dental Instrument, Validated Jul 78 | MIL-G-36651 | 12 Mar 70 |
| 6520 | Handpiece, Dental, Contra-angle Round Sleeve, Latch Type | MIL-H-36734A | 16 Jul 75 |
| 6520 | Handpiece, Dental, Contra-angle, with Friction Grip Chuck, Round Sleeve | MIL-H-36887(1) | 05 Apr 76 |
| 6520 | Handpiece, Dental Laboratory, Straight High Speed, Belt Driven, Validated Jul 78 | MIL-H-36794 | 03 Sep 71 |
| 6520 | Handpiece, Dental, Right Angle, Prophylaxis, Round Sleeve, Screw Stem | MIL-H-36809B | 03 Mar 77 |
| 6520 | Handpiece, Dental, Contra-angle, Round Sleeve, Latch Type | M1L-H-0036734B | 22 Dec 76 |
| 6520 | Handpiece, Dental, Straight, Round Nose, Belt Driven, Validated Jul 78 | MIL-H-36730 | 11 Dec 70 |
| 6520 | Headband, Mirror, Validated Jun 75 | GG-H-166B(1) | 26 Feb 59 |
| 6520 | Holder, Amalgam Capsule, Dental, Plastic, Validated Jul 78 | MIL-H-36817 | 08 Mar 72 |
| 6520 | Holder, Cotton Roll, Dental, Validated Jul 78 | MIL-H-36601 | 11 Sep 69 |
| 6520 | Holder, Dental Mixing Pad | MIL-H-37098 | 14 Apr 75 |
| 6520 | Holder, Napkin, Dental, Validated May 76 | GG-H-575B | 14 May 57 |
| 6520 | Holder, Napkin, Dental, Validated Jul 74 | GG-H-00575C | 24 Apr 67 |
| 6520 | Holder, Rubber Dam, Dental, U-shaped, and strap | MIL-H-36575A | 31 Oct 72 |
| 6520 | Impression Material (Modeling Compound) Dental | U-I-490B | 29 Jun 77 |
| 6520 | Impression Material, Dental Zinc Oxide-Eugenol Paste | U-I-00500A | 08 Mar 72 |
| 6520 | lmpression Material, Dental, Cartridge Form, Hydrocolloid, Agar Type, Validated Jul 78 | MIL-I-36878 | 11 Jul 72 |
| 6520 | Impression Material, Dental, Duplicating, Hydrocolloid, Agar Type, Validated Jul 78 | MIL-I-36838 | 11 Jul 72 |
| 6520 | Impression Material, Dental, Hydrocolloid, Agar Type, Validated Jul 78 | U-I-00496B | 16 Oct 67 |
| 6520 | Impression Material, Dental, Hydrocolloid, Alginate Type | U-1-00498B | 17 Aug 67 |
| 6520 | Impression Material, Dental, Paste, Validated Jun 75 | U-1-500 | 08 Nov 60 |
| 6520 | Impression Material, Dental, Rubberbase Paste | U-I-001159A | 13 Mar 75 |
| 6520 | Impression Material, Dental, Tissue Conditioner Type | MIL-1-36993 | 15 Sep 73 |
| 6520 | lmpression Material, Hydrocolloidal, Agar Type, Dental, Validated Jul 74 | U-1-496A | 10 Jun 53 |

| 6520 | Impression Material, Hydrocolloidal, Alginate Type, Dental | U-I-498C | 12 Jan 76 |
|------|---|--------------|-----------|
| 6520 | Impression Material (Modeling Compound) Dental | U-I-490B | 29 Jun 77 |
| 6520 | Investment, Dental, Casting, Gold Alloy, Validated Jun 75 | U-I-546B | 03 Oct 61 |
| 6520 | Investment, Dental, Casting, Gold Alloy, Validated Jul 78 | U-I-00546C | 09 Aug 71 |
| 6520 | Investment, Soldering, Dental, Validated Jun 75 | U-I-552A | 25 Apr 52 |
| 6520 | Investment, Soldering, Dental, Validated Jul 78 | U-I-00552B | 26 Oct 71 |
| 6520 | Knife, Margin Finishing, Dental, Baird Handle, Dental Instrument Point, Cone Socket, Validated May 76 | MIL-K-36669 | 15 Apr 70 |
| 6520 | Knife, Plaster, Dental, Validated Jun 75 | GG-K-00508C | 08 Jan 69 |
| 6520 | Knives, Dental, Craftman S. Compound, and Plaster | GG-K-508B | 27 Mar 57 |
| 6520 | Knives, Periodontal, Kirkland | MIL-K-36480 | 18 Apr 66 |
| 6520 | Knives, Periodontal, Orban | MIL-K-36486A | 03 Mar 69 |
| 6520 | Light Set, Surgical, Overhead, Electric Shadow-reducing, Demountable (Naval Shipboard Use) | M1L-L-2034C | 23 Jan 75 |
| 6520 | Lubricant, Silicate Cement, Dental, Validated Jul 78 | P-L-00790A | 15 Jan 71 |
| 6520 | Lubricant, Silicate Cement, Dental, Validated Jun 75 | P-L-790(1) | 06 Feb 57 |
| 6520 | Mallet, Oral Surgery | GG-M-105D | 18 Jul 77 |
| 6520 | Mallet, Oral Surgery, Validated Jul 74 | GG-M-00105C | 02 Oct 64 |
| 6520 | Mandrels, Dental Handpiece, Validated Jun 75 | GG-M-108A | 25 Sep 56 |
| 6520 | Mandrels, Dental Handpiece | GG-M-00108D | 04 Jun 73 |
| 6520 | Mat, Floor, Dental Chair, Rubber | ZZ-M-42 | 10 Apr 47 |
| 6520 | Matrix Set, Dental, Plastic, Cervical, Validated July 78 | MIL-M-36821 | 13 Mar 72 |
| 6520 | Medicine Glass | DD-M-00200B | 13 May 70 |
| 6520 | Mirror and Mirror Handle, Mouth Examining | GG-M-00431E | 07 Oct 76 |
| 6520 | Mirror and Mirror-light, Dental-REV-MB | MIL-M-36727B | 23 Sep 78 |
| 6520 | Mirror, Mouth Examining, REV-MI | GG-M-431E | 07 Oct 76 |
| 6520 | Mirror, Mouth Examining, Plastic, Plane Glass, Disposable | MIL-M-36552A | 12 Apr 76 |
| 6520 | Mixer, Dental Casting Investment (Mechanical), Validated Jun 75 | GG-M-00500A | 10 May 68 |
| 6520 | Mixer, Dental Casting Investment (Mechanical) Validated Jun 75 | GG-M-500 | 12 Mar 57 |
| 6520 | Mixing Pad, Parchment Paper, Dental | GG-M-00515A | 21 Dec 67 |

| 6520 | Mixing Pad, Parchment Paper, Dental | GG-M-515B | 28 May 76 |
|------|--|---------------|-------------------|
| 6520 | Mixing Slab, Dental, Validated Jun 75 | DD-M-440 | 24 Sep 56 |
| 6520 | Mixing Slab, Dental | DD-M-00440A | 02 Jul 71 |
| 6520 | Mouthpiece, Saliva Ejector, Dental, Plastic, Disposable | MIL-M-36231D | 13 Jul 78 |
| 6520 | Mouthpiece, Saliva Ejector, With Reflector Blades, Dental, Validated Sep 69 | MIL-M-36221 | 12 Jun 64 |
| 6520 | Pad, Dental Rubber Dam, Validated Jul 74 | MIL-P-36403B | 26 Jul 67 |
| 6520 | Paste, Peridontal Protective Surgical Soft Dressing | MIL-P-37920 | 31 Aug 78 |
| 6520 | Pin, Tooth Die | MIL-P-36556A | 10 Jul 76 |
| 6520 | Plaster, Dental Impression and Modeling | SS-P-446D | 27 May 75 |
| 6520 | Plastic Filling Instruments and Contour- Instrument, Dental | GG-P-001278A | 02 Jan 70 |
| 6520 | Plastic Strip, Dental Matrix | L-P-525A | 10 Feb 58 |
| 6520 | Plastic Strip, Dental Matrix, Validated Jul 74 | L-P-00525B | 30 Nov 66 |
| 6520 | Plastic Strip, Dental Surface Protection Mouthguard | MIL-P-36895 | 08 Nov 72 |
| 6520 | Plastic Strip, Denture Trial Pack, Validated Jul 78 | MIL-P-36464 | 29 Dec 65 |
| 6520 | Platinum Foil (Dental), Validated Jul 74 | QQ-P-00428C | 28 Feb 67 |
| 6520 | Platinum Foil (Dental), Validated Jul 78 | QQ-P-428B(1) | 09 Apr 57 |
| 6520 | Plier, Dental No. 114, Johnson Design, Validated Jul 78 | MIL-P-36892 * | 24 Aug 72 |
| 6520 | Pliers, Dental, Amalgam Reinforcement Pin, Validated Jul 78 | MIL-P-36855 | 14 Jun 72 |
| 6520 | Pliers, Dental, Contouring and Crimping No. 137 | MIL-P-37361 | 04 Feb 74 |
| 6520 | Pliers, Dental, Holding and Placing | MIL-P-37083 | 09 Apr 75 |
| 6520 | Pliers, Dental, Steiglitz, 5 3/16 inches, Validated Jul 78 | MIL-P-36712 | 24 Sep 70 |
| 6520 | Plugger, Amalgam, Dental, Markley, Validated Jul 78 | MIL-P-36577 | 17 J ul 69 |
| 6520 | Plugger, Plastic Filling, Dental, Glick | MIL-P-36959 | 22 Mar 73 |
| 6520 | Plugger, Pulp Canal | GG-P-00481D | 13 Apr 73 |
| 6520 | Plugger Set, Plastic Filling, Dental | MIL-F-37717A | 28 Sep 78 |
| 6520 | Point Assortment, Pulp Canal (Paper, Absorbent), Validated Jun 75 | GG-P-581B | 21 Apr 58 |
| 6520 | Point Assortment, Pulp Canal, Standardized, Silver | GG-P-1127A | 24 Jun 75 |
| 6520 | Points, Pulp Canal, Dental, Paper, Validated Jul 74 | GG-P-00581D | 18 Oct 73 |
| 6520 | Press, Flask, Dental | GG-P-00636B | 15 Feb 73 |
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| 6520 | Press, Flask, Dental, Validated Jun 75 | GG-P-636 | 09 Oct 52 |
|------|---|--------------|-----------|
| 6520 | Preventive Dentistry Kit, Patient | GG-P-001428A | 09 Apr 75 |
| 6520 | Preventive Dentistry Paste, Patient | MIL-P-36671A | 14 Apr 72 |
| 6520 | Probes, Periodontal | MIL-P-36477A | 19 Feb 76 |
| 6520 | Probes, Periodontal | MIL-P-37928 | 27 Oct 78 |
| 6520 | Protector, Denture, Model Plastic | MIL-P-37500 | 26 Apr 78 |
| 6520 | Pulp Protector, Dental, Validated Sep 73 | U-P-001250 | 01 Nov 66 |
| 6520 | Pulp Protector, Dental, Calcium Hydroxide Paste | MIL-P-37088 | 25 Mar 75 |
| 6520 | Pulp Protector, Dental, Zinc Oxide and Eugenol | MIL-P-36705 | 19 Aug 70 |
| 6520 | Pump, Filler (Aspirators) and Couplings, Validated Jul 74 | GG-P-821A | 09 Jul 52 |
| 6520 | Punch, Dental, Rubber Dam | GG-P-850 | 25 Aug 60 |
| 6520 | Punch, Dental, Rubber Dam | GG-P-00850A | 13 Nov 68 |
| 6520 | Remover, Dental Crown, Simplex | GG-R-001638 | 09 Apr 70 |
| 6520 | Resin, Acrylic, Dental | U-R-00179A | 20 Feb 67 |
| 6520 | Resin, Acrylic, Dental | U-R-179 | 15 Sep 54 |
| 6520 | Resin, Acrylic, Dental, Fibered Denture Base Material | MIL-R-37770A | 16 Sep 78 |
| 6520 | Resin, Acrylic, Dental, Impression Tray Material | MIL-R-36433B | 18 Apr 72 |
| 6520 | Retainer, Matrix, Dental | GG-R-1472A | 16 Jun 75 |
| 6520 | Retractor, Tongue and Cheek—University of Minnesota | MIL-R-37942 | |
| 6520 | Rongeurs, Dental | GG-R-001549 | 21 Nov 68 |
| 6520 | Rubber Dam, Dental | ZZ-R-00690A | 19 Jun 68 |
| 6520 | Rubber Dam, Dental, Validated Jul 74 | ZZ-R-690 | 20 Aug 58 |
| 6520 | Scaler, Dental, Morse | MIL-S-36186B | 16 Sep 76 |
| 6520 | Scaler, Dental, Single Ended | GG-S-001634 | 30 Jan 70 |
| 6520 | Scissors, Collar and Crown | GG-S-001616 | 01 Sep 70 |
| 6520 | Scissors, Oral Surgical | MIL-S-36456A | 18 Feb 76 |
| 6520 | Sealing Compound, Pulp Canal, Dental | U-S-00156C | 17 Apr 73 |
| 6520 | Separator, Teeth, Dental, Elliott, Curved Jaw | GG-S-00208A | 25 Mar 69 |
| 6520 | Separator, Teeth, Dental, Elliott, Curved Jaw, Validated May 72 | GG-S-208 | 20 Sep 60 |
| 6520 | Silver Alloy Pellet, Dental | MIL-S-37708 | 28 Dec 76 |
| 6523 | Smocks, Dental Operating and Medical Assistant | DDD-S-496E | 02 Oct 67 |
| 6520 | Soldering Frame and Tripod, Laboratory Apparatus, Dental, Validated Jul 74 | MIL-S-36469A | 26 Aug 66 |
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| 6520 | Spatula, Dental and Carver, Dental (Wax) | GG-S-598C | 06 Apr 76 |
|------|--|----------------|-------------------|
| 6520 | Spatula, Dental and Carver, Dental (Wax) | GG-S-00598B | 15 Aug 67 |
| 6520 | Spatula, Dental, Cement | GG-S-00590A | 12 Aug 69 |
| 6520 | Spatula, Dental, Cement | GG-S-590B | 21 Oct 76 |
| 6520 | Spatula, Dental, No. 313 | MIL-S-36793 | 09 Sep 71 |
| 6520 | Spatula, Dental, Plastic | MIL-S-36697 | 22 Jun 70 |
| 6520 | Splint Set, Arch Wire, Dental, Validated Jul 74 | GG-S-00627B(1) | 08 Jul 66 |
| 6520 | Splint, Jaw, Fracture, Arch Wire and Accessories (Dental) | GG-S-627A(1) | 13 Dec 56 |
| 6520 | Spreader, Gutta-percha, Dental, No. 3 | MIL-S-36377A | 08 Feb 77 |
| 6520 | Stone, Artificial, Dental | U-S-746A | 11 Oct 77 |
| 6520 | Stone, Artificial, Dental | U-S-00746C(1) | 12 Jun 70 |
| 6520 | Stool, Dental Operating Chair, Mobile | MIL-S-36574 | 24 Jan 69 |
| 6520 | Stopping, Temporary, Dental | MIL-S-36396 | 24 Feb 65 |
| 6520 | Strip Assortment and Disks, Aluminum Oxide Abrasive, Safe-sided, Metal-backed, Dental | GG-S-00783C | 13 Mar 70 |
| 6520 | Strip, Abrasive, Dental | GG-S-770 | 26 Aug 76 |
| 6520 | Strip, Abrasive, Dental | MIL-S-36948 | 22 Feb 73 |
| 6520 | Strip, Abrasive, Dental (Metal, Safe-sided) and Strip Assortment, Abrasive, Dental (Metal, Safe-sided) | GG-S-783B(1) | 16 Jul 58 |
| 6520 | Suction Apparatus, Dental | GG-S-00271 | 03 Aug 67 |
| 6520 | Surveyor, Clasp, Dental | GG-S-805B | 18 Nov 77 |
| 6520 | Surveyor, Clasp, Dental, Validated Jul 74 | GG-S-00805A | 08 Feb 67 |
| 6520 | Syringe, Air and Water, Dental | GG-S-00915A | 04 Sep 70 |
| 6520 | Syringe, Air, Dental, Validated Jul 74 | GG-S-915 | 30 Dec 59 |
| 6520 | Syringe, Dental Impression Material and Replacement Parts | MIL-S-36894A | 07 J ul 78 |
| 6520 | Template, Dental | MIL-T-36631 | 09 Mar 70 |
| 6520 | Tin Foil (for Dental Use), Validated Jul 74 | QQ-T-276 | 18 Jul 51 |
| 8530 | Toothbrushes (for Adults and Children) | H-F-560A | 15 Sep 72 |
| 6520 | Tooth Die Pin Placement Kit | MIL-T-36820 | 12 Apr 72 |
| 6520 | Tracer, Gothic Arch, Dental, Validated May 72 | MIL-T-36476 | 30 Mar 66 |
| 6520 | Tray, Alloy Accessory, Dental Plastic | MIL-T-36729 | 09 Dec 70 |
| 6520 | Tray, Impression, Dental, Validated Jul 74 | GG-T-626 | 07 Mar 55 |
| 6520 | Tray, Impression, Dental | GG-T-00626A | 27 Apr 72 |
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| 6520 | Tray, Insert, Dental Instrument and Supplies Cabinet, Plastic | MIL-T-36754A | 12 Jan 77 |
|------|---|--------------|-------------------|
| 6520 | Trimmer, Gingival Margin, Black | GG-T-1368B | 21 Sep 76 |
| 6520 | Vibrator, Dental Molding, 115 Volt, 60 Hertz AC | M1L-V-36372B | 29 Jun 77 |
| 6520 | Wax, Base-plate, Dental, Validated Jul 74 | U-W-135B | 15 Ja n 76 |
| 6520 | Wax, Baseplate, Dental | U-W-00135A | 26 Mar 70 |
| 6520 | Wax, Boxing, Dental, Validated Jul 74 | U-W-138 | 12 May 47 |
| 6520 | Wax, Casting, Dental, Validated Jul 74 | U-W-140 | 16 Mar 53 |
| 6520 | Wax, Dental (Casting, Inlay) | U-W-00141B | 19 Sep 67 |
| 6520 | Wax, Dental (Casting, Inlay) | U-W-141A(1) | 04 Apr 57 |
| 6520 | Wax, Dental Utility | U-W-00156A | 18 Apr 69 |
| 6520 | Wax, Dental (Boxing), Validated Jul 74 | U-W-00138A | 24 Jan 67 |
| 6520 | Wax, Dental, Casting, Validated Jul 74 | U-W-00140A | 14 Jun 67 |
| 6520 | Wax, Dental, Sticky, Validated Jul 74 REV-OS | U-W-00149(1) | 13 Apr 67 |
| 6520 | Wax, Sticky, Dental, Validated Jul 74 | U-W-149 | 23 Nov 48 |
| 6520 | Wax, Utility, Dental, Validated Jul 74 | U-W-156 | 17 Aug 48 |
| 6520 | Wedge Set, Dental, Matrix, Wood and Holder, Matrix Wedge, Contra-angle | MIL-W-36421B | 04 Mar 77 |
| 6520 | Wheel Abrasive, Aluminum Oxide | M1L-W-37584 | 21 Oct 76 |
| 6520 | Wheel Set, Abrasive, Aluminum Oxide, Mandrel-mounted, Dental | M1L-W-2129A | 15 Aug 78 |
| 6520 | Wheel Set, Abrasive, Rubber Points | M1L-W-37583 | 29 Jun 77 |
| 6520 | Wheel, Abrasive (Silicon carbide, Mounted, Dental) | GG-W-239B | 13 May 76 |
| 6520 | Wheel, Abrasive, Impregnated Rubber, Pumice | GG-W-00253A | 22 Jan 73 |
| 6520 | Wheel, Abrasive, Silicon Carbide | GG-W-239B | 13 May 76 |
| 6520 | Wheel, Abrasive, Silicon Carbide, Dental Model Trimming | MIL-W-37013 | 01 Apr 74 |
| 6520 | Wheel, Buffing, Chamois, Dental, Validated May 76 | KK-W-266A | 08 Sep 61 |
| 6520 | Wheel, Buffing, Cloth, Dental, Validated Jun 75 | GG-W-259A | 22 Jul 59 |
| 6520 | Wheel, Buffing, Cloth, Dental | GG-W-00259B | 26 Apr 72 |
| 6520 | Wheel, Lathe, Silicon carbide, Dental | GG-W-258 | 09 Oct 52 |
| 6520 | Wire, Platinum Alloy | MIL-W-16193B | 23 Sep 77 |
| 6520 | Wire, Snare (Spring Steel, Medical), Validated Jun 75 | GG-W-331 | 02 Nov 51 |
| 6520 | Work Box, Dental Laboratory | MIL-W-36453B | 16 Sep 76 |
| 6525 | Hanger, X-ray Film, Processing, Dental | MIL-H-36203A | 17 Sep 73 |

| Mount, Radiographic Film, Dental | G-M-00656C | 21 May 70 |
|---|--|--|
| Mount, Radiographic Film, Dental, Validated Jun 66 | G-M-656A | 12 Aug 58 |
| Safe, Dental X-Ray Film, Protective | AA-S-75 | 29 Apr 59 |
| Viewer Dental Radiographic Film, AC-DC | GG-V-350 | 09 Aug 60 |
| X-Ray Apparatus, Dental, Wall Mounted, 15 Ma 90 kVp 100-130 Volt, 50-60 Hz. AC | MIL-X-36386A | 06 Sep 73 |
| | Mount, Radiographic Film, Dental, Validated Jun 66 Safe, Dental X-Ray Film, Protective Viewer Dental Radiographic Film, AC-DC X-Ray Apparatus, Dental, Wall Mounted, 15 Ma | Mount, Radiographic Film, Dental, Validated Jun 66 Safe, Dental X-Ray Film, Protective AA-S-75 Viewer Dental Radiographic Film, AC-DC X-Ray Apparatus, Dental, Wall Mounted, 15 Ma MIL-X-36386A |

(1) Federal Specifications may be purchased from:
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⁽²⁾ Military (MIL) Documents may be obtained from:

The Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, Pa. 19120

⁽³⁾ FSC (Federal Supply Catalog)

STANDARDS ASSOCIATION OF AUSTRALIA (SAA)

| Title | SAA Number |
|--|------------|
| Dental Rubber Dam | 1022-1971 |
| Toothbrushes | 1032-1971 |
| Acrylic Denture Base Resin | 1043-1971 |
| Dental Chisels, Excavators, Probes and Scalers | 1086-1971 |
| Dimensions of Shanks and Chuck Fittings for Dental Rotary Instruments | 1093-1972 |
| Dental Duplicating Material | 1097-1972 |
| Intra-Oral Dental X-ray Films (amended 1976) | 1139-1971 |
| Cold Processing Resins for Denture Repairs | 1183-1977 |
| Elastomeric Dental Impression Materials | 1185-1972 |
| Dental Zinc Phosphate Cement | 1186-1972 |
| Orthodontic Latex Elastic Bands | 1240-1973 |
| Dental Shellac Baseplates | 1241-1973 |
| Orthodontic Band Cements | 1253-1973 |
| Dental Gutta-Percha Points | 1258-1977 |
| Dental Single-Use Cartridge Hypodermic Needles (Sterile) | 1264-1972 |
| Dental Alginate Impression Material (amended 1974) | 1282-1972 |
| Dental Rubber Dam Punch | 1283-1974 |
| Dental Excavating Burs: Part l Basic Requirements including Design and Dimensions | 1373-1977 |
| Dental Stainless Steel Root Canal Files and Reamers | 1411-1976 |
| Dental Operating Luminaires (Lights) for Oral Illumination | 1437-1976 |
| Dental Modelling Waxes | 1453-1973 |
| Dental Silicate and Silicophosphate Cements (amended 1977) | 1454-1973 |
| Dental Mercury | 1581-1973 |
| Dental Inlay Casting Waxes | 1582-1973 |
| Dental Sticky Wax | 1583-1973 |
| Dental Hypodermic Needles (Reusable) | 1592-1974 |
| Dental Artificial Stone | 1616-1974 |
| Dental Casting Golds | 1620-1976 |
| Dental Silver Solder | 1622-1976 |
| Dental Gold Solder | 1623-1976 |
| Dental Wrought Gold Alloys | 1625-1976 |
| Acrylic Teeth | 1626-1974 |

| Dental Impression Plaster | 1651-1974 |
|---|-------------|
| Dental Laboratory Plaster | 1652-1974 |
| Dental Modelling Compounds | 1917-1976 |
| Dental Agar Impression Material | 1920-1976 |
| Dental Die Stone | 1959-1976 |
| Dental Impression Paste | 1963-1977 |
| Orthodontic Wires (Resilient) | 1964-1977 |
| Dental Zinc Oxide/Eugenol Restorative Materials | 2109-1978 |
| Alloy for Dental Amalgam | 2110-1977 |
| Dental Polycarboxylate Materials | 2194-1978 |
| Dental and Mobile Medical X-ray Machines | 3201.5-1977 |
| Under Revision: | |
| Anaesthetics for Dental Injection | T19 -1961 |
| Dental Casting Investment | T22 ·1963 |
| Cobalt Chromium Casting Alloy | T28 -1964 |

BRITISH STANDARDS INSTITUTION (BSI)

| Title | Number | Published or Revised |
|--|--------|------------------------------------|
| Acrylic Resin Denture Base Polymer | BS2487 | 1969 |
| Sizes of Film for Dental Radiography | 2585 | 1975 |
| Specification for Dental Amalgam Alloy (Silver-Tin) | 2938 | 1961 |
| Dental Chisels Excavators Probes and Sealers | 2965 | 1970 |
| Hypodermic Dental Needles | 2983 | 1958 |
| Specification for Dental Zinc Phosphate Cement | 3364 | 1970** |
| Specification for Dental Silicate Cement and Dental Silico-Phosphate Cement Part 1—Silicate Cements Part 2—Silico-Phosphate Cement Part 3—Capsulated Cements | 3365 | 1961 1969** 1971** 1972** |
| Specification for Dental Base Metal Casting Alloys Part 1—Denture Base Alloys Part 2—Inlay, Crown and Bridge Alloys | 3366 | 1976 1976 |
| Specification for Dental Gold Solders | 3384 | 1961* |
| Specification for Dental Impression Compound | 3886 | 1965 |
| Specification for Orthodontic Wire and Tape and Dental Ligature Wire Made of Stainless Steel | 3507 | 1976 |
| Specification for Dental Inlay Casting Wax | 3508 | 1962 |
| Specification for Dental Wrought Precious Metal Alloy Wire | 3520 | 1962 |
| Specification for Acrylic Resin Teeth | 3990 | 1966** |
| Specification for Doyen's Mouth Gag | 3991 | 1966 |
| Specification for Dental Rotary Instruments Part 1—Dimensions of shanks and chuck fittings Part 2—Shapes and sizes of heads of dental burs | 4178 | 1967 1972 |
| Specification for Dimensions of the Transmission Coupling (Slip-Joint) to Dental Handpieces | 4222 | 1967 |
| Specification for Dental Mercury | 4227 | 1967 |
| Dental Elastic Impression Materials Part 1—Elastomeric Impression Material Part 2—Alginate Impression Material | 4269 | 1968 1968** |
| Dental Zinc Oxide-Eugenol Impression Materials | 4284 | 1968 |
| Dental Casting Gold 'Alloy | 4425 | 1969 |
| Glossary of Terms Relating to Dentistry | 4492 | 1970* |
| Dental Impression Plaster | 4598 | 1970* |
| Mouth Mirrors and Mouth Mirror Handles | 4681 | 1971 |

| Dental Laboratory Plaster | 4722 | 1971* |
|---|------|----------------------|
| Dental Extracting Forceps (Performance Requirements) | 4750 | 1971 |
| Dental Artificial Stone | 4796 | 1972* |
| Toothpastes | 5136 | 1974* |
| Dental Casting Investments Part 1—Gypsum Bonded Dental Casting Investments Part 2—Phosphate Bonded Dental Casting Investments Part 3—Ethyl Silicate Bonded Dental Casting Investments | 5189 | 1975 1975 1975 |
| Resin-Based Filling Materials | 5199 | 1975 |
| Popular Patterns of Dental Extracting Forceps | 5211 | 1975 |

Specification for Dental Porcelain for Jacket Crowns—about to be published. *Under revision

^{**}ISO Standard being adopted

CANADIAN STANDARDS ASSOCIATION (CSA)

| Title | Number | Published or Revised |
|---|--------------------|-------------------------|
| Dental Terminology and Definitions/Art Dentaire—Terminologie et définitions | CAN3-Z349.1-79 | 1979 |
| Dental Burs and Cutters—Fitting Dimensions (Adopted ISO 1797-1976, with editorial modification) | CAN3-Z349.2M79 | 1979 |
| Dental Inlay Casting Wax (Adopted ISO 1561-1975, with editorial modification) | CAN3-Z349.4-M80 | At press |
| Dental Casting Gold Alloys (Adopted ISO 1562-1979, with modification) | CAN3-Z349.5-M80 | At press |
| Tooth Designation for Dental Purposes—Two-Digit System (Adopted ISO 3950-1977, with editorial modification) | CAN3-Z349.9-M80 | At press |
| Related Standard | ds | |
| Construction and Test of X-Ray Equipment | C22.2 No. 114-1961 | 1751 |
| Electromedical Equipment | C22.2 No. 125-1979 | 1979 |
| Continuous Flow Anaesthetic Apparatus (Anaesthetic Machines) for Medical Use | pZ168.3-1978 | 1978 |
| Non-Flammable Medical Gas Piping Systems | Z305.1-1975 | 1975 |
| Standards in Prepar | ration | |
| Dental Mercury | Z349.3 | 1980 |
| Alginate Dental Impression Material | Z349.6 | 1980 |
| Agar Impression Material | Z349.7 | 1980 |
| Synthetic Resin Teeth | Z349.8 | 1980 |

CZECHOSLOVAKIAN SOCIETY FOR STANDARDIZATION AND MEASURING (CSN)

| Title | CSN Numbe |
|--|-----------|
| Terms of tools, apparatus and appliances for dental surgeons | 84 0006 |
| Connection of dental drills with handles | 85 7350 |
| Dental zinc phosphate cements | 66 5220 |
| Dental silicate cements | 66 5221 |
| Heat-cured acrylic resin for dental use | 66 5222 |
| Self-curing acrylic resin for dental use | 66 5223 |
| Casting investment for dental chrome alloy | 66 5224 |

FRENCH STANDARDS ASSOCIATION (AFNOR)

| Title | Number |
|---|--------------|
| Vocabulary of dentistry—Basic terms | NF S 91-001* |
| Vocabulary of dentistry—Terms relating to dental products | NF S 91-002* |
| Vocabulary of dentistry—Terms relating to dental instruments and equipment | NF S 91-003* |
| Vocabulary of dentistry—Terms relating to tests for dental products, instruments and equipment | NF S 91-004* |
| Vocabulary of dentistry—Equivalence of English and French terms | NF S 91-010* |
| Method of tooth designation | NF S 91-011 |
| The study of the working space of the dentist | NF S 91-012 |
| Anthropometric characteristics concerning the working space of the dentist | NF S 91-013 |
| Dental burs—interchangeability dimensions | NF S 91-101 |
| Dental burs and cutters—Nominal sizes and designations of working parts | NF S 91-102 |
| Reamers and files for root canals for use in dentistry—Part 1: Nominal dimensions, designation and colour code | NF S 91-103 |
| Coupling dimensions between handpieces and electric motors | NF S 91-104 |
| Dental rotary instruments, number coding system—Part 1: General Principles | NF S 91-105* |
| Dental rotary instruments, number coding system—Part 2: Material of working part and coating or binding | NF S 91-106* |
| Dental rotary instruments, number coding system—Part 3: Type of shank and handle and overall length | NF S 91-107* |
| Alloy for dental amalgam | S 91-201* |
| Dental mercury | NF S 91-202 |
| Dental inlay casting wax | NF S 91-203 |
| Dental casting gold alloy | NF S 91-204 |
| Alginate impression material | S 91-205* |
| Agar impression material | NF S 91-206 |
| Dental silicate cement | S 91-207* |
| Dental zinc phosphate cement | S 91-208* |
| Denture base polymer | S 91-209* |
| Dental zinc silicophosphate cement (hand mixing) | S 91-210 |
| Dental zinc oxide/eugenol filling materials | S 91-211 |
| Dental zinc oxide/eugenol cementing materials | S 91-212 |
| Synthetic resin teeth | NF S 91-213* |

| Silicate and silicophosphate based dental filling materials in capsules | NF S 91-214* |
|---|--------------|
| Resin-based dental filling materials | NF S 91-215 |
| Carboxylate cements | NF S 91-216 |

^{*}Actually in revision

GERMAN STANDARDS INSTITUTE (DIN)

| Title | DIN Number |
|---|-----------------|
| Dental materials; silicate cement; requirements, testing | 13 902 |
| Dental materials; zinc phosphate cements; requirements, testing | 13 903 |
| Dental materials; alloy for amalgam requirements, testing | 13 904 |
| Dental materials; mercury; requirements, testing | 13 905 |
| Dental materials; casting gold alloy; requirements, testing | 13 906 |
| Dental materials; denture base polymer; requirements, testing | 13 907 |
| Dentistry; designation of teeth | 13 910 |
| Dental materials; gypsum; requirements, testing | 13 911 |
| Dental materials; cobalt-chrome-casting alloy; requirements, testing | 13 912 |
| Dental materials; impression materials; requirements, testing | 13 913 |
| Dentistry; synthetic resin teeth; requirements, testing | 13 914 |
| Dental materials; silico-phosphate cements; requirements, testing | 13 916 |
| Dental instruments; toothbrushes, definitions, dimensions, requirements | 13 917 |
| Dental materials; capsulated silicate- and silico-phosphate cement; requirements, testing | 13 918 |
| Dental terminology; basic terms | 13 920 B1. 1 |
| Dental terminology; dental materials | 13 920 B1. 2 |
| Dental terminology; terms for dental instruments | 13 920 B1. 3 |
| Dental terminology; testing of dental materials, instruments and equipment | 13 920 B1. 4 |
| Dentistry; porcelain teeth, requirements, testing | 13 921 |
| Dental materials; resin-based filling materials; requirements, testing | 13 922 |
| Dental equipment; identification of dental equipment at the working place | 13 923 |
| Dental materials; zinc oxide/eugenol cementing materials, filling materials; requirements, testing | 13 924 B1. 1 |
| Dental materials; zinc oxide/eugenol cementing materials for use in "permanent" cementation of dental restorations; requirements, testing | 13 924 B1. 2 |
| Dental instruments; coupling dimensions for handpiece-motors | 13 940 |
| Dental instruments; burs and cutters; fitting dimensions | 13 950 B1. 1 |

| Dental instruments; burs and cutters; nominal sizes and designation | 13 950 B1. 2 |
|---|------------------|
| Dental instruments; excavating burs, round | 13 951 B1. 1 |
| Dental instruments; excavating burs, inverted cone | 13 951 B1. 2 |
| Dental instruments; excavating burs, wheel | 13 951 B1. 3 |
| Dental rotary instruments; excavating burs, pear head | 13 951 B1. 4 |
| Dental instruments; fissure burs, cylinder square | 13 952 B1. 1 |
| Dental instruments; fissure burs, cone square | 13 952 B1. 2 |
| Dental instruments; finishing burs and burnishers, round | 13 953 B1. 1 |
| Dental instruments; finishing burs and burnishers, oval | 13 953 B1. 2 |
| Dental instruments; finishing burs and burnishers, bud | 13 953 B1. 3 |
| Dental instruments; finishings burs and burnishers, pear . | 13 953 B1. 4 |
| Dental instruments; finishing burs and burnishers, flame | 13 953 B1. 5 |
| Dental instruments; root canal reamers, type K | 13 960 |
| Dental instruments; root canal files, type K | 13 961 |
| Dental instruments; root canal files, type H (Hedstroem-files) | 13 962 |
| Dental instruments; root canal filler | 13 963 |
| Dental instruments; rasps | 13 964 |
| Dentistry; root canal filling points | 13 965 |
| Dental instruments; barbed broaches | 13 966 |
| Dental instruments; root canal instruments; terms and designations | 13 967 Teil 1 |
| Dental instruments; root canal instruments; sizes and color-code | 13 967 Teil 2 |
| Dental instruments; root canal instruments; measuring | 13 967 Teil 3 |
| Dental instruments; explorers | 13 975 |
| Dental instruments; carving instruments; type Hollenback | 13 976 |
| Dental instruments; filling instruments, type Heidemann | 13 977 |
| Dental instruments; filling instruments | 13 978 |

| Dental instruments; cement spatulas | 13 979 |
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| Dental instruments; scalers type McCall | 13 980 |
| Dental instruments; scalers type Darby-Perry | 13 981 |
| Dental instruments; scalers type Jaquette | 13 982 |
| Dental instruments; scalers with interchangeable points, handle | 13 983 Teil 1 |
| Dental instruments; scalers with interchangeable points, points type Morse | 13 983 Teil 2 |
| Dental instruments; excavating forceps | 13 984 |
| Dental instruments; elevator type Bein | 13 985 |
| Dental instruments; elevator type Flohr | 13 986 |
| Dental instruments; elevator type Winter | 13 987 |
| Dental—Trays | 13 999 B1. 1 |
| Dental instruments; dental forceps, type London College | 58 268 |
| Dental instruments; dental forceps, type Merian | 58 269 |
| Dental instruments; dental scissors | 58 283 |
| Dental instruments; dental scissors, crown | 58 284 |
| Materials, finish and testing of medical instruments; explorers, filling and carving instruments | 58 298 |
| Materials, finish and testing of medical instruments; scalers | 58 298 Teil 16 |
| Materials, finish and testing of medical instruments; extracting forceps | 58 298 Teil 17 |
| Materials, finish and testing of medical instruments; elevator, dental | 58 298 Teil 18 |
| Lighting of dental operatories and laboratories; recommendations | 67 505 |

HUNGARIAN OFFICE OF STANDARDIZATION (MSZH)

| Title | MSZ Numbe |
|---|-----------|
| Surgical instruments | |
| Tooth forceps, for upper incisor | 4272-51 |
| Tooth forceps, for upper small molar | 4273-51 |
| Tooth forceps, for lower small molar | 4274-51 |
| Tooth forceps, for upper large molar, right | 4275-51 |
| Tooth forceps, for upper large molar, left | 4276-51 |
| Root forceps, for lower root, narrow | 4277-51 |
| Root forceps, for upper root | 4278-51 |
| Volkmann's scaler | 4288-51 |
| Bruns' scaler | 4289-51 |
| Straight elevator, Lecluse type | 10490-52 |
| Curved root elevator, Winter type | 10491-52 |
| Dentist's crown forming | |
| Pliers, round nose type | 14671-55 |
| Pliers, long flat type | 14674-55 |
| Surgical instruments | |
| Root elevator, Vajna type | 14680-53 |
| Balogh's scaler | 14683-53 |
| Handle for dentist's mirror | 14684-51 |
| Root elevator, Barry type | 14681-53 |
| Dentist's mirror | 14685-53 |
| Tweezers for root plugging | 14686-53 |
| Tweezers | 14687-53 |
| Explorer | 14688-53 |
| Scaler | 14689-53 |
| Excavator, double ended | 14690-53 |
| Plastic fillers | 14691-53 |
| Dentist's retractor, Balogh type | 14692-53 |
| Cement spatula | 14694-53 |
| Lip retractor | 14695-53 |

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INDIAN STANDARDS INSTITUTION (ISI)

| Title | Number |
|---|-----------|
| Acrylic resin teeth | 8022-1976 |
| Alginate dental impression material | 6036-1970 |
| Articulators, dental | 5185-1969 |
| Bands, matrix, dental, No. 1 and 2 | 7467-1974 |
| Baseplate, dental | 8020-1976 |
| Burnisher, dental, No. BRN 1/2 | 5005-1968 |
| Carriers, amalgam, dental, No. 1 and 2 | 5576-1970 |
| Carvers, dental, No. CAR 1/2, 3/4 and 5/6 | 5017-1968 |
| Chair, dental | 6116-1971 |
| Chisel, osseous, dental | 7676-1975 |
| Chisels, dental | 3889-1967 |
| Clamp, flask, dental | 5217-1969 |
| Copper phosphate-zinc phosphate dental cement | 6043-1970 |
| Cutter, distal arch wire, dental | 6822-1972 |
| Dental artificial stone | 8019-1976 |
| Dental casting gold alloys | 4799-1968 |
| Dental casting investment for gold alloys | 7425-1974 |
| Dental cobalt chromium casting alloys | 7225-1974 |
| Dental gold alloy wire | 3578-1966 |
| Dental gold foil | 3610-1966 |
| Dental gold solders | 3571-1966 |
| Dental impression compound | 6038-1970 |
| Dental impression plaster | 6556-1972 |
| Dental inlay casting wax | 6888-1973 |
| Dental laboratory plaster | 6555-1972 |
| Dental mercury | 4705-1968 |
| Dental modelling wax | 7966-1976 |
| Dental silicate cement | 6884-1973 |
| Dental porcelain | 8571-1977 |
| Dental sticky wax | 8021-1975 |
| Dental white gold alloys | 5954-1970 |
| Denture base polymer | 6887-1973 |
| Dimensions for dental cable arm | 6182-1971 |

| Dimensions for dental section arm | 6183-1971 |
|---|-----------|
| Dimensions for transmission coupling (slip-joint) to dental handpieces | 5830-1970 |
| Elevators, dental, No. 1, 2 and 3 | 4975-1968 |
| Enamel, hatchet, dental No. EH 1/2 | 4689-1968 |
| Engine, dental electric | 5941-1970 |
| Excavators, dental, No. EX 1/2, 3/4, 5/6, 7/8, 9/10, 11/12 and 13/14 | 4715-1968 |
| Exolevers, apical, dental, No. 1, 2 and 3 | 7677-1975 |
| Fitting dimensions for dental burs and cutters | 6462-1972 |
| Flasks, dental | 5227-1969 |
| Foot-operated dental engine | 5655-1970 |
| Forceps, extraction, dental, lower incisors, cuspids and bicuspids | 6858-1972 |
| Forceps, extraction, dental, lower incisors, cuspids and bicuspids, left | 6826-1972 |
| Forceps, extraction, dental, lower incisors and canines, children | 8045-1976 |
| Forceps, extraction, dental, lower molars | 6823-1972 |
| Forceps, extraction, dental, lower molar, children | 8044-1976 |
| Forceps, extraction, dental, lower molar, Hawk's bill, No. 1 | 4977-1968 |
| Forceps, extraction, dental, lower wisdom tooth | 6824-1972 |
| Forceps, extraction, dental, upper anteriors, No. 1 and 2 | 4976-1968 |
| Forceps, extraction, dental, upper cuspids and bicuspids | 6825-1972 |
| Forceps, extraction, dental, upper incisors and canines, children | 8046-1976 |
| Forceps, extraction, dental, upper molars, children | 8047-1976 |
| Forceps, extraction, dental, upper molars, left | 6827-1972 |
| Forceps, extraction, dental, upper molars, right | 6828-1972 |
| Forceps, extraction, dental, upper root, medium beak | 6867-1972 |
| Forceps, extraction, dental, upper root, narrow beak | 6856-1972 |
| Forceps, extraction, dental, upper root, wide beak | 6859-1972 |
| Forceps, extraction, dental, upper wisdom tooth | 6866-1972 |
| Forceps, Rongeur, dental | 8207-1976 |
| Forceps, rubber dam clamp and cotton roll clamp, dental | 6402-1971 |
| Frame, rubber dam, dental | 5965-1970 |
| General requirements for control unit for air turbine, dental | 6846-1972 |
| General requirements for cutting type dental instruments | 3887-1966 |
| General requirements for forceps, extraction, dental | 6868-1972 |

| Gingival margin trimmers, dental, No. GMT 1/2, 3/4, 5/6 and 7/8 | 5178-1969 |
|--|--|
| Glossary of terms relating to dentistry Part I: Dental equipment Part II: Dental instruments and accessories Part III: Dental materials | 7348-1974 7348-1975 7348-1975 |
| Holder, cotton wool, dental | 6292-1971 |
| Holder, wire and broach, dental | 5997-1970 |
| Hot plate, wax levelling, dental | 3875-1966 |
| Instruments, plastic filling, dental: Part I: Designation numbers 1, 3, 4, 5 and 6 Part II: Designation numbers 12, 20, 21, 46, 47, 153 and 183 | 3890-1967 3890-1967 |
| Knife, plaster, dental | 3876-1967 |
| Knives, gingivectomy, dental | 7833-1975 |
| Mandrels, dental, No. 1, 2 and 3 | 5582-1970 |
| Method for chemical analysis of silver-tin dental and amalgam alloy | 6889-1973 |
| Method for chemical analysis of dental, gold alloys Part I: Determination of gold, silver, copper, palladium and platinum Part II: Determination of nickel and zinc | 6890-1973 (Part I) 6890-1975 (Part II) |
| Mouth mirror and mouth mirror handle, dental | 6020-1970 |
| Needles, hypodermic, dental | 5180-1969 |
| Nippers, cutting, dental | 7476-1974 |
| Occlusal plane guide, dental | 5763-1970 |
| Pedestal cuspidor | 5645-1970 |
| Plaster shears, dental | 3878-1967 |
| Pliers, angle ribbon arch with groove, dental | 7781-1975 |
| Pliers, angle wire bending, dental | |
| | 6829-1972 |
| Pliers, anterior band forming, double beak, dental | 6829-1972 8528-1977 |
| Pliers, anterior band forming, double beak, dental Pliers, arrowheaded clasp forming, dental | |
| | 8528-1977 |
| Pliers, arrowheaded clasp forming, dental | 8528-1977 7139-1973 |
| Pliers, arrowheaded clasp forming, dental Pliers, band forming, dental Pliers, band forming, dental Peak's pattern upper right and | 8528-1977 7139-1973 5540-1970 |
| Pliers, arrowheaded clasp forming, dental Pliers, band forming, dental Pliers, band forming, dental Peak's pattern upper right and lower left, and upper left and lower right | 8528-1977 7139-1973 5540-1970 7141-1973 |
| Pliers, arrowheaded clasp forming, dental Pliers, band forming, dental Pliers, band forming, dental Peak's pattern upper right and lower left, and upper left and lower right Pliers, band removing, anterior, dental | 8528-1977 7139-1973 5540-1970 7141-1973 7339-1974 |
| Pliers, arrowheaded clasp forming, dental Pliers, band forming, dental Pliers, band forming, dental Peak's pattern upper right and lower left, and upper left and lower right Pliers, band removing, anterior, dental Pliers, band removing, posterior, dental | 8528-1977 7139-1973 5540-1970 7141-1973 7339-1974 7338-1974 |

| Pliers, collar, dental | 7474-1974 |
|---|-----------|
| Pliers, cone socket, dental | 4314-1967 |
| Pliers, crown and lighting, dental | 5795-1970 |
| Pliers, ligature forming, dental | 7780-1975 |
| Pliers, loop bending, dental | 6870-1972 |
| Pliers, parrot beak, dental, band stretching and contouring | 8287-1976 |
| Pliers, pin and ligature cutting, dental | 7340-1974 |
| Pliers, pin-roughening and bending, dental | 5794-1970 |
| Pliers, plate, dental | 4313-1967 |
| Pliers, posterior band forming, double beak, dental | 8528-1977 |
| Pliers, snipe nose, dental | 4316-1967 |
| Pliers, spring forming, dental | 7333-1974 |
| Pliers, stretching and contouring, dental | 4319-1967 |
| Pliers, tie back, Nance type, dental | 7336-1974 |
| Pliers, workroom, dental | 5828-1970 |
| Pluggers, root canal, dental, No. PLG 1, 2 and 3 | 5179-1969 |
| Press, flask, dental | 5181-1969 |
| Probes, dental, No. PR 1, 2, 3, 4, 6, 6/7 and 8/9 | 4716-1968 |
| Punch, rubber dam, dental | 5879-1970 |
| Pusher, band, dental, Mershon's pattern | 8284-1976 |
| Receiver, waste, dental | 6282-1971 |
| Reflector and cheek retractor, dental | 5958-1970 |
| Retainers, matrix, dental, No. 1 and 2 | 6815-1972 |
| Scalers, dental, No. SC 1/2, 3/4 and 5/6 | 4714-1968 |
| Scissors, crown, dental, straight and curved on flat | 5212-1969 |
| Scissors, dental, No. 1, straight and curved on flat | 5211-1969 |
| Separator, double-bow, dental | 6857-1972 |
| Silver-tin dental amalgam alloy | 4704-1968 |
| Spatula, dental | 3888-1967 |
| Spatula, plaster, dental, curved and straight | 4679-1968 |
| Spatula, plastics, clear and colourless, dental | 5541-1970 |
| Spatula, wax, dental, No. 1 | 3879-1967 |
| Spatula, wax, dental, No. 2 | 4680-1968 |
| Spoons, cutting, dental, No. 1/2, 3/4 and 5/6 | 5004-1968 |
| Stool, operating, dental | 8346-1977 |
| | |

| Surveyor, cast, dental | 7853-1975 |
|---|-----------|
| Syringe, air and water, dental | 6814-1972 |
| Syringe, hypodermic, cartridge, dental, pivot breech cap type | 5584-1970 |
| Syringe, hypodermic, dental for interchangeable needles | 6525-1972 |
| Syringe, water, self-filling, dental | 6811-1972 |
| Trays, instrument-cabinet, dental | 7066-1973 |
| Tweezers, dental, No. 1, 2 and 3 | 6404-1971 |
| Tweezers, extraction, dental | 8527-1977 |
| Tweezers, soldering | 8283-1976 |
| Unit, dental | 5023-1969 |
| Wax, knife, dental | 3877-1967 |
| Zinc oxide-eugenol dental cement | 6039-1970 |
| Zinc oxide-eugenol dental impression paste | 6038-1970 |
| Zinc phosphate dental cement | 6035-1970 |
| Guide for the use of dental materials | 8850-1978 |
| Autopolymerizing (acrylic) resins for dental use | 8864-1978 |
| Tooth designation for dental purposes (two-digit system) | 8815-1978 |
| | |

STANDARDS INSTITUTION OF ISRAEL (SII)

| Title | Number |
|---------------------------------|--------|
| Toothbrushes made of plastomers | 863 |
| Dental casting gold alloy | 1066 |
| Alloy for dental amalgam | 1402/3 |

JAPANESE STANDARDS ASSOCIATION (JISC)

| Title | Number |
|--|-------------|
| Wrist and Slip-Joint K. for Electric Dental Engine | T 5105-1962 |
| Belts for Electric Dental Engine | T 5106-1976 |
| Stand for Electric Dental Engine | T 5107-1976 |
| Bracket Arm for Electric Dental Engine | T 5108-1976 |
| Electric Dental Engines | T 5109-1971 |
| Dental Bars | T 5201-1976 |
| Pulp Canal Reamers | T 5202-1979 |
| Mandrel for Dental Use | T 5204-1960 |
| Dental Pulp Canal Cleansers | T 5205-1976 |
| Dental Broaches | T 5206-1978 |
| Pulp Canal Reamers for Angle Hand-pieces | T 5207-1979 |
| Peeso's Root Reamers for Dental Use | T 5208-1979 |
| Dental Carborundum Wheels | T 5209-1979 |
| Dental Carborundum Points | T 5210-1979 |
| Dental Pincettes | T 5401-1961 |
| Dental Explorers | T 5402-1979 |
| Dental Chisel | T 5403-1979 |
| Dental Spoon Excavator | T 5404-1979 |
| Dental Plastic | T 5405-1979 |
| Dental Scalers | T 5406-1979 |
| Dental Elevators | T 5407-1978 |
| Dental Bone Files | T 5408-1970 |
| Dental Broach-Holders | T 5409-1978 |
| Dental Forceps | T 5410-1970 |
| Dental Crown Scissors | T 5411-1970 |
| Dental Operating Knives | T 5412-1970 |
| Dental Curettes | T 5413-1970 |
| Dental Wax Spatula | T 5414-1970 |
| Gingival Applicator | T 5415-1970 |
| Dimension for Dental Hand-Piece | T 5901-1976 |
| Dental Spittoon | T 5902-1979 |
| Dental Mirror and its Holders | T 5903-1958 |
| Nickel-Chromium Alloy Wires for Dental Use | T 6101-1976 |

| Nickel-Chromium Alloy Plates for Dental Use | | |
|--|--|--------------|
| Cobalt-Chromium Alloy Wires for Dental Use T 6104-1976 Dental Wrought Gold-Silver-Palladium Alloy T 6105-1974 Dental Casting Gold-Silver-Palladium Alloy T 6106-1974 Gold-Silver-Palladium Alloy Solders for Dental Use T 6107-1974 Dental Silver Casting Alloy T 6108-1968 Dental Amalgam Alloy T 6109-1979 Dental Fusible Alloy T 6110-1965 Dental Silver Solders T 6111-1968 Dental Mercuries T 6112-1968 Dental Gasting 14 K Gold Alloy T 6113-1976 Plus Metals for Dental Casting 14 K Gold Alloy T 6114-1976 Dental Casting Cobalt Chromium Alloy T 6115-1979 Acrylic Denture Base T 6501-1976 Dental Paraffin Wax T 6502-1976 Dental Inlay Casting Wax T 6503-1979 Dental Impression Compound T 6504-1979 Alginate Impression Material T 6505-1979 Resin Teeth T 6506-1976 Temporary Stoppings for Dental Use T 6507-1976 Dental Base Plates T 6507-1979 Dental Base Plates T 6509-1979 Porcelain Teeth for Plate Denture | Nickel-Chromium Alloy Plates for Dental Use | T 6102-1976 |
| Dental Wrought Gold-Silver-Palladium Alloy T 6105-1974 Dental Casting Gold-Silver-Palladium Alloy T 6106-1974 Gold-Silver-Palladium Alloy Solders for Dental Use T 6107-1974 Dental Silver Casting Alloy T 6108-1968 Dental Amalgam Alloy T 6109-1979 Dental Fusible Alloy T 6110-1965 Dental Silver Solders T 6111-1968 Dental Mercuries T 6112-1968 Dental Silver Solders T 6112-1968 Dental Casting 14 K Gold Alloy T 6113-1976 Plus Metals for Dental Casting 14 K Gold Alloy T 6114-1976 Dental Casting Cobalt Chromium Alloy T 6151-1976 Aerylic Denture Base T 6501-1976 Dental Paraffin Wax T 6502-1976 Dental Impression Compound T 6504-1979 Alginate Impression Material T 6505-1979 Resin Teeth T 6506-1976 Temporary Stoppings for Dental Use T 6507-1976 Dental Heat Curing Acrylic Resin for Crown T 6509-1979 Dental Base Plates T 6501-1979 Porcelain Teeth for Plate Denture T 6501-1979 Dental Casting Investment | Stainless Steel Wires for Dental Use | Т 6103-1976 |
| Dental Casting Gold-Silver-Palladium Alloy T 6106-1974 Gold-Silver-Palladium Alloy Solders for Dental Use T 6107-1974 Dental Silver Casting Alloy T 6108-1968 Dental Amalgam Alloy T 6109-1979 Dental Fusible Alloy T 6110-1965 Dental Silver Solders T 6111-1968 Dental Mercuries T 6112-1968 Dental Casting 14 K Gold Alloy T 6113-1976 Plus Metals for Dental Casting 14 K Gold Alloy T 6114-1976 Dental Casting Cobalt Chromium Alloy T 6105-1979 Acrylic Denture Base T 6501-1976 Dental Paraffin Wax T 6502-1976 Dental Inlay Casting Wax T 6503-1979 Dental Impression Compound T 6506-1976 Alginate Impression Material T 6506-1976 Temporary Stoppings for Dental Use T 6507-1976 Dental Heat Curing Acrylic Resin for Crown T 6509-1979 Dental Base Plates T 6510-1979 Porcelain Teeth for Plate Denture T 6510-1979 Dental Casting Investment T 6602-1979 Dental Casting Cement T 6602-1979 Dental Calcined Gypsum <td< td=""><td>Cobalt-Chromium Alloy Wires for Dental Use</td><td>T 6104-1976</td></td<> | Cobalt-Chromium Alloy Wires for Dental Use | T 6104-1976 |
| Gold-Silver-Palladium Alloy Solders for Dental Use T 6107-1974 Dental Silver Casting Alloy T 6108-1968 Dental Amalgam Alloy T 6109-1979 Dental Fusible Alloy T 6110-1965 Dental Fusible Alloy T 6111-1968 Dental Silver Solders T 6112-1968 Dental Mercuries T 6112-1968 Dental Casting 14 K Gold Alloy T 6113-1976 Plus Metals for Dental Casting 14 K Gold Alloy T 6114-1976 Dental Casting Cobalt Chromium Alloy T 6115-1979 Acrylic Denture Base T 6501-1976 Dental Paraffin Wax T 6502-1976 Dental Inlay Casting Wax T 6503-1979 Dental Impression Compound T 6504-1979 Alginate Impression Material T 6505-1979 Resin Teeth T 6506-1976 Temporary Stoppings for Dental Use T 6506-1976 Dental Heat Curing Acrylic Resin for Crown T 6508-1979 Dental Self-Curing Acrylic Resin for Filling T 650-1979 Porcelain Teeth for Plate Denture T 6511-1976 Portical Casting Investment T 6601-1979 Dental Silicate Cement T 66 | Dental Wrought Gold-Silver-Palladium Alloy | T 6105-1974 |
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^{*}English version is available

POLISH COMMITTEE OF STANDARDIZATION AND MEASURES (PKN)

| Title | Number | |
|---|------------------|--|
| Dental instruments. Tooth extracting forceps; General requirements | PN-76/Z-56102 | |
| | PN-53/Z-56109 | |
| Dental instruments. Plaster spoon. | PN-75/Z-56507 | |
| Dental instruments. Borers; Specifications. Dental instruments. Shanks for angled and straight handpieces. | PN-73/Z-56599 | |
| | FI4-13/ Z-30399 | |
| Medical instruments. Handpieces angled and straight. Technical requirements and tests. | PN-73/Z-56600 | |
| Dental grinder with bipolar single-phase induction motor. General requirements and tests. | BN-75/5919-10 | |
| Dental instruments. Tooth extracting forceps. | BN-74/5921-02 | |
| Dental instruments. Root elevators. Technical requirements | | |
| and tests. | PN-75/Z-56143 | |
| Dental instruments. Elevators for lower roots, blunt. | BN-75/5922-02 | |
| Dental instruments. Root elevators type Bein. | BN-75/5922-03 | |
| Dental instruments. Bone chisels. General requirements and tests. | BN-76/5922-04 | |
| Medical instruments. Dental forceps | BN-74/5923-02 | |
| Dental instruments. Pluggers, excavators, explorers. General requirements and tests. | BN-71/5923-05 | |
| Dental instruments. One-sided pluggers, curved. | BN-71/5923-06 | |
| Dental instruments. Two-sided pluggers, curved. | BN-77/5923-07 | |
| Dental instruments. Canal pluggers, straight. | BN-71/5923-08 | |
| Dental instruments. Excavators. | BN-71/5923-09 | |
| Dental instruments. Explorers. | BN-77/5923-10 | |
| Dental instruments. Spoons and scalers. Requirements and tests. | BN-77/5923-11.01 | |
| Medical instruments. Spoons. Dimensions. | BN-78/5923-11.02 | |
| Medical instruments. Scalers, sickle shape. Dimensions. | BN-77/5923-11.03 | |
| Medical instruments. Scalers-cleavers. Dimensions. | BN-77/5923-11.04 | |
| Medical instruments. Scalers, hook shape. Dimensions. | BN-77/5923-11.05 | |
| Dental instruments. Two-sided spatula shape instruments for teeth filling. | BN-74/5923-12 | |
| Dental instruments. Borers. Dimensions. | BN-76/5924-01 | |
| Instruments and dental equipment. Borer, straight handpiece, contra angle handpiece, cable arm, motor, drilling | | |
| machine: joining dimensions. | BN-76/5925-01 | |
| Dental instruments. Pliers. General requirements and tests. | BN-68/5926-01 | |

| Dental instruments. Flat nose pliers. | BN-74/5926-02 |
|---|---------------|
| Dental instruments. Round nose pliers. | BN-74/5926-03 |
| Dental instruments. Sling, clasp pliers type McKellops. | BN-68/5926-04 |
| Dental instruments. Wire bending pliers type Aderer. | BN-68/5926-05 |
| Dental instruments. Contouring pliers. | BN-74/5926-06 |
| Dental instruments. Pin roughening, cutting and bending pliers, ordinary. | BN-68/5926-07 |
| Dental instruments. Cutting wire pliers, frontal. | BN-68/5926-08 |
| Dental instruments. Crown stretching pliers. | BN-74/5926-09 |
| Dental instruments. Universal, prosthodontic pliers, pointed. | BN-68/5926-10 |
| Dental instruments. Clasp bending pliers. | BN-74/5926-11 |
| Dental instruments. Clasp and arch bending pliers type Waldsachs. | BN-68/5926-12 |
| Dental instruments. Crown forming pliers type Tryfus. | BN-68/5926-13 |
| Dental instruments. Prosthodontic contouring pliers type Triplex. | BN-68/5926-14 |
| Dental instruments. Plaster spatula. | BN-74/5926-15 |
| Dental instruments. Ring forming pliers type How. | BN-74/5926-16 |
| Dental instruments. Wax knife | BN-75/5926-17 |
| Dental instruments. Plaster knife. | BN-74/5926-18 |
| Dental equipment. Expansion screws. | BN-76/5928-01 |

SOUTH AFRICAN BUREAU OF STANDARDS (SABS)

| Title | Number | |
|---|------------------|--|
| Oxygen for medical use | CKS 40-1966 | |
| Nitrous oxide for medical use | CKS 41-1966 | |
| Oxygen and carbon dioxide mixtures for medical use | CKS 66-1967 | |
| Plaster of Paris for dental use | CKS 72-1967 | |
| Hydrocolloidal impression materials | CKS 87-1967 | |
| Dental mercury (metric units) | CKS 321-1972 | |
| Dental inlay casting wax | CKS 395-1973 | |
| Production of injections for dental use: | | |
| The production of lignocaine and noradrenalin injection for dental use | SABS 143-1971 | |
| The production of lignocaine and adrenalin and noradrenalin for dental use | SABS 659-1973 | |
| Local anaesthetics for dental use (see also SABS 955/961-1969) | SABS 817/818-197 | |
| The production of lignocaine hydrochloride injection for dental use (metric units) | 817 | |
| Propoxycaine hydrochloride (metric units) | 818 | |
| Local anaesthetics for dental use (metric units) (see also SABS 817/818-1973). | SABS 955/961-196 | |
| The production of lignocaine and adrenalin injection for dental use (metric units) | 955 | |
| Leyonordefrin (metric units) | 956 | |
| Mepivacaine hydrochloride (metric units) | 957 | |
| The production of mepivacaine hydrochloride and levonordefrin injection for dental use (metric units) | 958 | |
| The production of procaine (2% m/v) and adrenalin injection for dental use (1:80 000) (metric units) | 959 | |
| The production of propoxycaine hydrochloride injection (metric units) | 960 | |
| The production of propoxycaine and procaine hydrochloride and levonordefrin injection for dental use (metric units) | 961 | |
| Production of single use hypodermic needles (sterile packed) for dental cartridge syringes | 1188-1978 | |
| Production of mepivacaine hydrochloride injections for dental use | 1271-1979 | |
| Dental casting gold alloy ' | 1259-1979 | |

SWEDISH STANDARDS INSTITUTION (SIS)

| Title | Number | | |
|---|------------------------------------|--|--|
| Lighting in dental operatories | Spri 551 01 | | |
| Dental operation chair/General requirements | Spri 551 02 (ISO/DIS 4083) | | |
| Dental instrument trays | Spri 553 51 | | |
| Fitting dimensions for burs and cutters used in dentistry | Spri 554 01 | | |
| Dental burs and cutters—Nominal sizes and designation of working parts | Spri 554 02 | | |
| Dental burs and cutters—Dimensions of working parts and overall length, requirements for run-out (eccentricity) and surface roughness | Spri 554 03 (ISO/DIS 3823) | | |
| Dental handpieces—Coupling dimensions | Spri 554 31 (ISO/DIS 3964) | | |
| Dental root canal reamers and files, Part 1: Nominal sizes, dimensions and colour coding | Spri 558 01 (ISO/DIS 3630/1) | | |
| Mercury for dental use | Spri 562 01 | | |
| Dental zinc oxide/eugenol filling materials | Spri 562 31 (ISO/DIS 3106-1974) | | |
| Dental zinc oxide/eugenol cementing materials | Spri 562 41 (ISO/DIS 3107-1974) | | |
| Dental zinc phosphate cement | Spri 562 42 (ISO/DIS 1566) | | |
| Dental silicate cement (hand-mixed) | Spri 563 43 (ISO/1565-1978) | | |
| Dental carboxylate cement | Spri 562-45 | | |
| Dental inlay casting wax | Spri 564 21 (ISO/R-1561-1970) | | |
| Denture base resin | Spri 564 61 (ISO/1567-1978) | | |
| Synthetic resin teeth | Spri 564 51 (ISO/DIS 3336) | | |
| Alginate dental impression material | Spri 564 71 (ISO/DIS 1563) | | |
| Tooth designation for dental purposes—Two-digit system | Spri 569 01 (ISO/DIS 3950) | | |

Copies of above Standards may be obtained from a National member of ISO or from Spri (The Swedish Planning and Rationalization Institute o Health and Social Services) Fack, S-102 50 Stockholm, Sweden.

References

- Paffenbarger, G. C. and Kumpula, M., Composition, Work and Interrelation of International Organizations Engaged in the Standardization of Dental Materials and Therapeutic Agents. Internat Dent J 15:571, December 1965.
- 2. Souder, W. H., Measurements and Application of Certain Physical Properties of Amalgam. J. Dent Res 7:173, June 1927.
- Souder, Wilmer H. and Peters, Chauncey, G., An Investigation of the Physical Properties of Dental Materials. Dent Cosmos 62:305, March 1920.
- 4. Taylor, N. O., Specification for Dental Amalgam Alloys: Report to the Scientific Foundation and Research Commission of the American Dental Association. J Am Dent Assn 17:112 January 1930.



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