



List by Subjects

1993 ANNUAL BOOK OF ASTM STANDARDS, VOLUME 13.01

STANDARDS RELATING TO MEDICAL AND SURGICAL MATERIALS AND DEVICES; ANESTHETIC AND RESPIRATORY EQUIPMENT; EMERGENCY MEDICAL SERVICES

A complete Subject Index begins on p. 853

Since the standards in this book are arranged in alphanumeric sequence, no page numbers are given in this list.

The standards listed in italics are related documents included for information only and do not appear in this volume.

ANESTHETIC AND RESPIRATORY EQUIPMENT

Specifications for:

- F 1463 - 93 Alarm Signals In Medical Equipment Used in Anesthesia and Respiratory Equipment
- F 1205 - 88 (1993)^{e1} Anesthesia Breathing Tubes
- F 1204 - 88 (1993)^{e1} Anesthesia Reservoir Bags
- F 1218 - 89 Bronchoscopes (Rigid)
- F 1456 - 92 Capnometers
- F 1054 - 87 Conical Fittings of 15 mm and 22 mm Sizes
- F 984 - 86 (1992) Cutaneous Gas Monitoring Devices for Oxygen and Carbon Dioxide
- F 896 - 90 Flexible FiberOptic Bronchoscopes
- F 960 - 86 Medical and Surgical Suction and Drainage Systems
- F 1208 - 89 Minimum Performance and Safety Requirements for Anesthesia Breathing Systems
- F 1161 - 88 Minimum Performance and Safety Requirements for Components and Systems of Anesthesia Gas Machines
- F 1452 - 92 Minimum Performance and Safety Requirements for Components and Systems of Anesthetic Gas Monitors
- F 920 - 93 Minimum Performance and Safety Requirements for Resuscitators Intended for Use with Humans
- F 1462 - 93 Oxygen Analyzers
- F 1464 - 93 Oxygen Concentrators for Domiciliary Use
- F 927 - 86 Pediatric Tracheostomy Tubes
- F 1415 - 92 Pulse Oximeters
- F 954 - 91 Respiratory Home Care
- F 1195 - 88 Rigid Laryngoscopes for Tracheal Intubation—Hook-on Fittings for Fiberilluminated Blades and Handles
- §F 965 - 85^{e1} Rigid Laryngoscopes for Tracheal Intubation—Hook-on Fittings for Laryngoscope Handles and Blades with Lamps
- F 1243 - 89 Tracheal Tube Connectors
- F 1242 - 89 Tracheal Tubes, Cuffed and Uncuffed
- F 1101 - 90 Ventilators Intended for Use During Anesthesia
- F 1100 - 90 Ventilators Intended for Use in Critical Care
- D 4774 - 88 *User Applied Drug Labels in Anesthesiology (see Vol 15.09)*

EMERGENCY MEDICAL SERVICES

Specification for:

- F 1274 - 91 Fixed Wing Advanced Life Support Transport Units
- F 1187 - 91 Fixed Wing Basic Life Support Transport Units
- F 1283 - 91 Fixed Wing Specialized Medical Transport Units
- F 1230 - 89 Minimum Performance Requirements for Emergency Medical Service (EMS) Ground Vehicles
- F 1118 - 91 National Air Medical Transport Units Resources Catalog
- F 1124 - 91 Rotary Wing Advanced Life Support Transport Units
- F 1119 - 91 Rotary Wing Basic Life Support Transport Units
- F 1146 - 91 Rotary Wing Specialized Medical Transport Units

Practices for:

- F 1258 - 90 Emergency Medical Dispatch
- F 1255 - 90 Performance of Prehospital Automated Defibrillation
- F 1254 - 90 Performance of Prehospital Manual Defibrillation

§ Approved for use by agencies of the Department of Defense and, if indicated on the standard, replaces corresponding federal or military document. Consult the DoD Index of Specifications and Standards for the specific year of issue which has been adopted by the Department of Defense.

LIST BY SUBJECTS

Practices for:

- F 1149 - 88 Qualifications, Responsibilities, and Authority of Individuals and Institutions Providing Medical Direction of Emergency Medical Services
- F 1031 - 86 (1990) Training the Emergency Medical Technician (Basic)

Guides for:

- F 1286 - 90 Development and Operation of Level 1 Pediatric Trauma Facilities
- F 1220 - 89 Emergency Medical Services System (EMSS) Telecommunications
- F 1268 - 90 Establishing and Operating a Public Information, Education, and Relations Program for Emergency Medical Service Systems
- F 1229 - 89 Establishing the Qualifications, Education, and Training of EMS, Air-Medical Patient Care Providers
- F 1221 - 89 Interagency Information Exchange
- F 1339 - 92 Organization and Operation of Emergency Medical Services Systems
- F 1381 - 92 Planning and Developing 9-1-1 Enhanced Telephone System
- F 1288 - 90 Planning for and Response to a Multiple Casualty Incident
- F 1224 - 89 Providing System Evaluation for Emergency Medical Services
- F 1287 - 90 Scope of Performance of First Responders Who Provide Emergency Medical Care
- F 1257 - 90 Selection and Practice of the Emergency Medical Services Instructor for Advanced Life Support/Emergency Medical Technician (ALS/EMT) Training Programs
- F 1256 - 90 Selection and Practice of the Emergency Medical Services Instructor for Basic Life Support/Emergency Medical Technician (BLS/EMT) Training Programs
- F 1086 - 87 Structures and Responsibilities of Emergency Medical Services Systems Organizations
- F 1329 - 91 Training the Emergency Medical Technician (Basic) In Basic Anatomy and Physiology
- F 1418 - 92 Training the Emergency Medical Technician (Basic) In Roles and Responsibilities
- F 1421 - 92 Training the Emergency Medical Technician (Basic) to Manage Obstetrical Emergencies
- F 1419 - 92 Training the Emergency Medical Technician (Basic) to Manage Shock
- F 1285 - 90 Training the Emergency Medical Technician (Basic) to Perform Patient Examination Techniques
- F 1420 - 92 Training the Emergency Medical Technician (Basic) to Perform Patient Management Techniques
- F 1219 - 89 Training the Emergency Medical Technician (Basic) to Perform Patient Primary Assessment
- F 1253 - 90 Training the Emergency Medical Technician (Basic) to Perform Patient Secondary Assessment
- F 1328 - 90 Training the Emergency Medical Technician (Basic) to Prepare Patients for Medical Transportation

Terminology Relating to:

- F 1177 - 93a Emergency Medical Services

MEDICAL AND SURGICAL MATERIALS AND DEVICES

Specifications for:

- F 451 - 86 Acrylic Bone Cements
- F 1357 - 91 Articulating Total Wrist Implants
- F 1088 - 87 (1992)^{e1} Beta-Tricalcium Phosphate for Surgical Implantation
- F 564 - 85 (1991) Bone Staples
- F 347 - 71 (1987) Cannulated Hex-Head Bolts (McLaughlin Type) Made from Cobalt-Chromium Alloy (Discontinued 1993†)
- F 346 - 71 (1987)^{e1} Cannulated Hex-Head Bolts (Thornton Type) Made from Cobalt-Chromium Alloy (Discontinued 1993†)
- F 75 - 92 Cast Cobalt-Chromium-Molybdenum Alloy for Surgical Implant Applications
- F 1185 - 88 Ceramic Hydroxylapatite for Surgical Implants, Composition of
- F 339 - 71 (1993) Cloverleaf Intramedullary Pins
- F 1377 - 92 Cobalt-Chromium-Molybdenum Powder for Coating or Orthopedic Implants
- F 961 - 92 Cobalt-Nickel-Chromium-Molybdenum Alloy Forgings for Surgical Implant Applications
- F 1054 - 87^{e1} Conical Fittings of 15 and 22-mm Sizes
- §F 543 - 92 Cortical Bone Screws
- F 345 - 71 (1987) Counterbored Hex-Head Bolts (McLaughlin Type) Made from Stainless Steel (Discontinued 1993†)
- F 344 - 71 (1987) Counterbored Hex-Head Bolts (Thornton Type) Made from Stainless Steel (Discontinued 1993†)
- F 343 - 71 (1987)^{e1} Counterlocking Screws (McLaughlin Type) (Discontinued 1993†)
- §F 342 - 71 (1987)^{e1} Counterlocking Screws (Thornton Type) (Discontinued 1993†)
- F 982 - 86 (1993)^{e1} Disclosure of Characteristics of Surgically Implanted Clamps for Carotid Occlusion
- F 366 - 82 (1992) Fixation Pins and Wires
- §F 1026 - 86 (1992) General Workmanship and Performance Measurements of Hemostatic Forceps
- F 349 - 71 (1987) Hex-Head Bolts (McLaughlin Type) Made from Cobalt-Chromium Alloy (Discontinued 1993†)
- F 348 - 71 (1987) Hex-Head Bolts (Thornton Type) Made from Cobalt-Chromium Alloy (Discontinued 1993†)
- F 351 - 71 (1987) Hex-Head Bolts (McLaughlin Type) and Lock Washers Made from Stainless Steel (Discontinued 1993†)
- F 350 - 71 (1987) Hex-Head Bolts (Thornton Type) and Lock Washers Made from Stainless Steel (Discontinued 1993†)
- F 603 - 83 High-Purity Dense Aluminum Oxide for Surgical Implant Application
- F 367 - 81 (1991) Holes and Slots for Inch Cortical Bone Screws
- F 367M - 82 (1991) Holes and Slots with Spherical Contour for Metric Cortical Bone Screws
- F 453 - 76 (1986) Hooked Intramedullary Pins
- F 703 - 81 (1986) Implantable Breast Prostheses
- F 641 - 86 Implantable Epoxy Electronic Encapsulants
- F 754 - 88 Implantable Polytetrafluoroethylene (PTFE) Polymer Fabricated in Sheet, Tube, and Rod Shapes

LIST BY SUBJECTS

Specifications for:

F	1079 - 87	Inserted and Noninserted Surgical Scissors
F	454 - 76 (1986)	Intramedullary Pins
F	352 - 71 (1987)	Lock Washers Made from Stainless Steel (Discontinued 1993†)
F	116 - 85 (1991)	Medical Screwdriver Bits
§F	786 - 82 (1991)	Metallic Bone Plates
F	787 - 82 (1991)	Metallic Nail-Plate Appliances
F	340 - 71 (1993)	Pilot-Type Medical Countersinks
F	997 - 86 (1993) ^{€1}	Polycarbonate Resin for Medical Applications
F	639 - 93	Polyethylene Plastics for Medical Applications
F	702 - 93	Polysulfone Resin for Medical Applications
F	452 - 76 (1986)	Preformed Cranioplasty Plates
F	622 - 79 (1993) ^{€1}	Preformed Cranioplasty Plates That Can be Altered
F	1109 - 87	Porous Composites of Polytetrafluoroethylene and Carbon for Surgical Implant Applications
F	370 - 73 (1991) ^{€1}	Proximal Femoral Prosthesis
F	755 - 87 (1993)	Selection of Porous Polyethylene for Use in Surgical Implants
F	500 - 77	Self-Curing Acrylic Resins Used in Neurosurgery (Discontinued 1993†)
F	881 - 84	Silicone Gel and Silicone Solid (Nonporous) Facial Implants
F	1441 - 92	Soft Tissue Expander Devices
F	455 - 78 (1986)	Solid Cross-Section Intramedullary Nails
F	1378 - 92	Shoulder Prosthesis
§F	138 - 86	Stainless Steel Bar and Wire for Surgical Implants (Special Quality)
§F	899 - 84	Stainless Steel Billet, Bar, and Wire for Surgical Instruments
F	666 - 80	Stainless Steel Flexible Wire for Surgical Fixation for Bone (Discontinued 1993†)
F	642 - 79 (1984)	Stainless Steel Flexible Wire for Surgical Fixations for Soft Tissue
F	745 - 81 (1988) ^{€1}	Stainless Steel for Cast and Solution-Annealed Surgical Implant Applications
F	621 - 92	Stainless Steel Forgings for Surgical Implants
§F	139 - 92	Stainless Steel Sheet and Strip for Surgical Implants (Special Quality)
F	1350 - 91	Stainless Steel Surgical Fixation Wire
F	1325 - 91	Suture Needle Holders-General Workmanship Requirements and Corresponding Test Methods
F	799 - 87	Thermomechanically Processed Cobalt-Chromium-Molybdenum Alloy for Surgical Implants
F	1108 - 92	Ti6Al4V Alloy Castings for Surgical Implants
F	620 - 92	Titanium 6Al-4V ELI Alloy Forgings for Surgical Implants
F	1028 - 86 (1992)	Tri-Fin Nails
F	648 - 84	Ultra-High-Molecular-Weight Polyethylene Powder and Fabricated Form for Surgical Implants
F	560 - 92	Unalloyed Tantalum for Surgical Implant Applications
F	67 - 89	Unalloyed Titanium for Surgical Implant Applications
F	1341 - 92	Unalloyed Titanium Wire for Surgical Implant Applications
F	644 - 79 (1984)	Wrought Cobalt-Chromium Alloy Flexible Wire for Surgical Fixations for Bone (Discontinued 1993†)
F	643 - 79 (1984)	Wrought Cobalt-Chromium Alloy Flexible Wire for Surgical Fixations for Soft Tissue (Discontinued 1993†)
F	1091 - 91	Wrought Cobalt-Chromium Alloy Surgical Fixation Wire
F	1058 - 91	Wrought Cobalt-Chromium-Nickel-Molybdenum-Iron Alloy for Surgical Implant Applications
F	90 - 92	Wrought Cobalt-Chromium-Tungsten-Nickel Alloy for Surgical Implant Applications
F	562 - 92	Wrought Cobalt-Nickel-Chromium-Molybdenum Alloy for Surgical Implant Applications
F	688 - 88	Wrought Cobalt-Nickel-Chromium-Molybdenum Alloy Plate, Sheet, and Foil for Surgical Implants
F	563 - 88	Wrought Cobalt-Nickel-Chromium-Molybdenum-Tungsten-Iron Alloy for Surgical Implant Applications
F	1314 - 90	Wrought Nitrogen Strengthened, High Manganese, High Chromium Stainless Steel Bar and Wire For Surgical Implants
F	1295 - 92	Wrought Titanium-6 Aluminum-7 Niobium Alloy for Surgical Implant Applications
F	136 - 92 ^{€1}	Wrought Titanium 6Al-4V ELI Alloy for Surgical Implant Applications
F	1472 - 93	Wrought Titanium Ti-6Al-4V Alloy for Surgical Implant Applications
D	4775 - 88	<i>Identification and Configuration of Prefilled Syringes and Delivery Systems for Drugs (Excluding Pharmacy Bulk Packages) (see Vol 15.09)</i>
D	4267 - 89	<i>Labels for Small-Volume (Less Than 100 mL) Parenteral Drug Containers (see Vol 15.09)</i>
D	3578 - 77 (1988)	<i>Rubber Examination Gloves (see Vol 09.02)</i>
D	4774 - 88	<i>User Applied Drug Labels in Anesthesiology (see Vol 15.09)</i>

Performance Specifications for:

F	1266 - 89	Cerebral Stereotactic Instruments
F	882 - 84 (1991)	Cryosurgical Medical Instruments
§F	623 - 89	Foley Catheter

Test Methods for:

F	895 - 84 (1991)	Agar Diffusion Cell Culture Screening for Cytotoxicity
F	1089 - 87	Corrosion of Surgical Instruments
F	117 - 79 (1985)	Driving Torque of Self-Tapping Medical Bone Screws
F	897 - 84 (1993) ^{€1}	Measuring Fretting Corrosion of Osteosynthesis Plates and Screws
F	746 - 87 ^{€1}	Pitting or Crevice Corrosion of Metallic Surgical Implant Materials

LIST BY SUBJECTS

Test Methods for:

- F 640 - 79 (1987)^{€1} Radiopacity of Plastics for Medical Use
- F 1044 - 87 Shear Testing of Porous Metal Coatings
- F 382 - 86 Static Bending Properties of Metallic Bone Plates
- F 1147 - 88 Tension Testing of Porous Metal Coatings
- F 1223 - 89 Total Knee Replacement Constraint, Determination of

Practices for:

- F 561 - 87 Analysis of Retrieved Metallic Orthopaedic Implants
- F 981 - 92 (1993)^{€1} Assessment of Compatibility of Biomaterials (Nonporous) for Surgical Implants with Respect to Effect of Materials on Muscle and Bone
- F 756 - 93 Assessment of the Hemolytic Properties of Materials
- F 1027 - 86 (1991) Assessment of Tissue and Cell Compatibility of Orofacial Prosthetic Materials and Devices
- F 700 - 93 Care and Handling of Intracranial Aneurysm Clips and Instruments
- F 565 - 85 Care and Handling of Orthopedic Implants and Instruments
- F 701 - 81 (1993) Care and Handling of Neurosurgical Implants and Instruments
- F 1440 - 92 Cyclic Fatigue Testing of Metallic Stemmed Hiparthroplasty Femoral Components Without Torsion
- F 813 - 83 (1992)^{€1} Direct Contact Cell Culture Evaluation of Materials for Medical Devices
- F 647 - 85 Evaluating and Specifying Implantable Shunt Assemblies for Neurosurgical Application
- F 749 - 87 (1992)^{€1} Evaluating Material Extracts by Intracutaneous Injection in the Rabbit
- F 750 - 87 (1992)^{€1} Evaluating Material Extracts by Systemic Injection in the Mouse
- F 619 - 79 (1991) Extraction of Medical Plastics
- F 601 - 92 Fluorescent Penetrant Inspection of Metallic Surgical Implants
- F 983 - 86 (1991) Permanent Marking of Orthopaedic Implant Components
- F 629 - 86 (1992) Radiography of Cast Metallic Surgical Implants
- F 732 - 82 (1991) Reciprocating Pin-on-Flat Evaluation of Friction and Wear Properties of Polymeric Materials for Use in Total Joint Prostheses
- F 748 - 91^{€1} Selecting Generic Biological Test Methods for Materials and Devices
- F 763 - 87 (1993)^{€1} Short-Term Screening of Implant Materials
- F 383 - 73 (1989) Static Bend and Torsion Testing of Intramedullary Rods
- F 384 - 73 (1986) Static Bend Testing of Nail Plates
- F 1408 - 92 Subcutaneous Screening Test for Implant Materials
- F 86 - 84 (1991) Surface Preparation and Marking of Metallic Surgical Implants
- F 719 - 81 (1992) Testing Biomaterials in Rabbits for Primary Skin Irritation
- F 720 - 81 (1992) Testing Guinea Pigs for Contact Allergens: Guinea Pig Maximization Test

Classifications for:

- F 604 - 87 Silicone Elastomers Used in Medical Applications
- F 665 - 80 (1993)^{€1} Vinyl Chloride Plastics Used in Biomedical Application

Guides for:

- F 624 - 93 Evaluation of Thermoplastic Polyurethane Solids and Solutions for Biomedical Applications
- F 1264 - 89 Mechanical Performance Considerations for Intramedullary Fixation Devices
- F 1439 - 92 Performance of Lifetime Bioassay for the Tumorigenic Potential of Implant Materials
- F 898 - 85 Permanent Marking of Orthopedic Implant Components (Discontinued 1993†)
- F 988 - 86 Specifying Carbon-Fiber Randomly Reinforced Ultra-High-Molecular Weight Polyethylene for Medical Devices

Terminology Relating to:

- F 1251 - 89 Polymeric Biomaterials in Medical and Surgical Devices

Definitions of Terms Relating to:

- F 921 - 85 (1991) Hemostatic Forceps
- F 1078 - 87^{€1} Surgical Scissors—Inserted and Non-Inserted Blades

Criteria for:

- F 602 - 87 (1993)^{€1} Implantable Thermoset Epoxy Plastics

Reference Chart for:

- F 544 - 92 Pictorial Bone Screw Classification

SEARCH AND RESCUE

Specification for:

- F 1382 - 92 Search and Rescue Computer Software Information

Guide for:

- F 1422 - 92 Using the Incident Command System Framework In Managing Civilian Search and Rescue Operations

LIST BY SUBJECTS

THERMOMETERS

Specifications for:

- §E 667 - 86 *Clinical Thermometers (Maximum Self-Registering, Mercury-in-Glass) (see Vol 14.03)*
E 1104 - 86 *Clinical Thermometers, Probe Covers, and Sheaths (see Vol 14.03)*
E 1061 - 85 *Direct Reading Liquid Crystal Forehead Thermometers (see Vol 14.03)*
E 1112 - 86 *Electronic Thermometers for Intermittent Determination of Patient Temperature (see Vol 14.03)*
E 825 - 87 *Phase-Change-Type Disposable Fever Thermometer for Intermittent Determination of Human Temperature (see Vol 14.03)*
E 879 - 82 *Thermistor Sensors for Clinical Laboratory Temperature Measurement (see Vol 14.03)*

METRIC PRACTICE

Practice for:

- §E 380 - 92 *Use of the International System of Units (SI) (Excerpts) (see Related Material section)*