Summary of the most commonly used test methods

Part 1 - Spinal fixation devices

- Internal fixators (screw-rod-systems, transverse connectors, hooks, etc.)
- Anterior spinal plates

ASTM F1717
Standard Test Methods for Spinal Implant Constructs in a Vertebrectomy Model

Scope
Static and dynamic fatigue testing of spinal fixation devices in a vertebrectomy model

Spinal region
lumbar, thoracic, cervical

ASTM F2706

Scope
Static and dynamic fatigue testing of spinal fixation devices in a vertebrectomy model

Spinal region
occipital-cervical-thoracic

ASTM F1798
Standard Guide for Evaluating the Static and Fatigue Properties of Interconnection Mechanisms and Subassemblies Used in Spinal Arthrodesis Implants

Scope
Static and dynamic fatigue testing of subassemblies of spinal fixation devices

Spinal region
lumbar, thoracic, cervical

ASTM F2193
Standard Specifications and Test Methods for Components Used in the Surgical Fixation of the Spinal Skeletal System

Scope
Static and dynamic fatigue testing of single components of spinal fixation devices

Spinal region
lumbar, thoracic, cervical

ASTM F543
Standard Specification and Test Methods for Metallic Medical Bone Screws

Scope
Static testing of bone screws

Spinal region
lumbar, thoracic, cervical

For further information also regarding additional test methods not covered by this summary please contact:
SpineServ GmbH & Co. KG, Soefflinger Strasse 100, 89077 Ulm, Germany
Phone: +49 (0)731 175 6788
mail@spineserv.de
www.spineserv.de