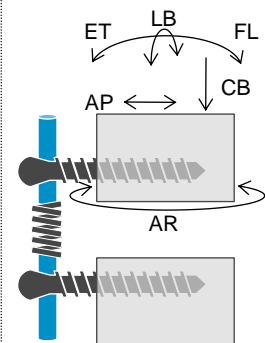


Summary of the most commonly used test methods

Part 4 - Extradiscal motion preserving implants

- Interspinous implants, dynamic fixators etc.
- Facet arthroplasty devices



- Static compression bending (S-CB)
- Dynamic compression bending (D-CB)
- Dynamic flexion (D-FL)
- Dynamic extension (D-ET)
- Dynamic lateral bending (D-LB)
- Dynamic axial rotation (D-AR)
- Dynamic anterior-posterior shear (D-AP)
- Others
- Dynamic wear (D-WE), including any of the above-mentioned loading planes

ASTM F2624

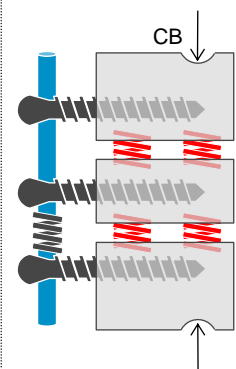
Standard Test Method for Static, Dynamic, and Wear Assessment of Extra-Discal Single Level Spinal Constructs

Scope

Static and dynamic properties of single level spinal constructs

Spinal region

lumbar, thoracic, cervical



- Dynamic compression bending (D-CB)

ISO 12189

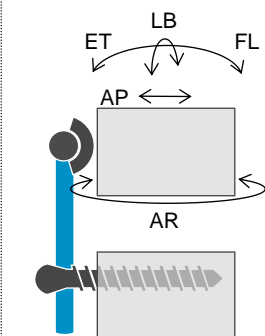
Implants for surgery -- Mechanical testing of implantable spinal devices -- Fatigue test method for spinal implant assemblies using an anterior support

Scope

Fatigue testing of motion preserving implants

Spinal region

lumbar, thoracic, cervical



- Static flexion (S-FL)
- Dynamic flexion (D-FL)
- Static extension (S-ET)
- Dynamic extension (D-ET)
- Dynamic lateral bending (D-LB)
- Dynamic axial rotation (D-AR)
- Dynamic anterior-posterior shear (D-AP)
- Others

ASTM F2790

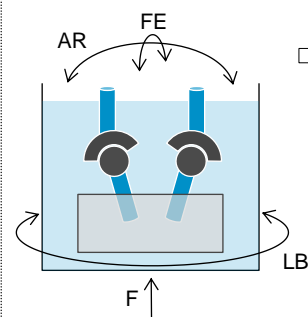
Standard Practice for Static and Dynamic Characterization of Motion Preserving Lumbar Total Facet Prostheses

Scope

Static and dynamic testing of lumbar total facet prostheses

Spinal region

lumbar



- Dynamic wear (D-WE), including
 - Axial load (F)
 - Flexion extension (FE)
 - Lateral bending (LB)
 - Axial rotation (AR)

ASTM F2694

Standard Practice for Functional and Wear Evaluation of Motion-Preserving Lumbar Total Facet Prostheses

Scope

Functional, kinematic and wear testing of motion-preserving total facet prostheses

Spinal region

lumbar

For further information also regarding additional test methods not covered by this summary please contact:

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