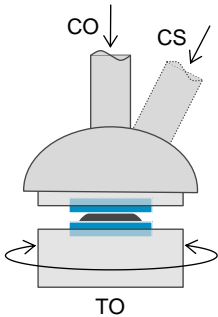


# Summary of the most commonly used test methods

## Part 3 - Artificial intervertebral discs



- Static compression (S-CO)
- Dynamic compression (D-CO)
- Static compression shear (S-CS)
- Dynamic compression shear (D-CS)
- Static torsion (S-TO)
- Dynamic torsion (D-TO)

### ASTM F2346

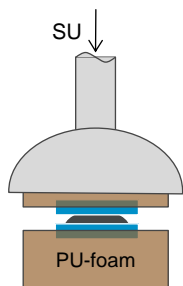
Standard Test Methods for Static and Dynamic Characterization of Spinal Artificial Discs

*Scope*

Static and dynamic testing of artificial intervertebral discs

*Spinal region*

lumbar, thoracic, cervical



- Static subsidence (S-SU)

### ASTM F2267

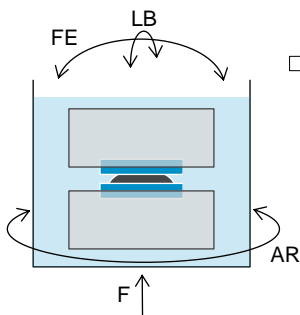
Standard Test Method for Measuring Load Induced Subsidence of Intervertebral Body Fusion Device Under Static Axial Compression

*Scope*

Axial compressive subsidence testing of non-biologic intervertebral body fusion devices, spinal implants designed to promote arthrodesis

*Spinal region*

lumbar, thoracic, cervical



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

### ISO 18192-1 etc.

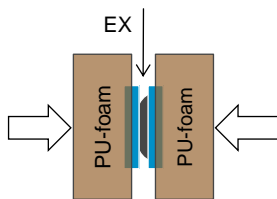
Implants for surgery -- Wear of total intervertebral spinal disc prostheses -- Part 1: Loading and displacement parameters for wear testing and corresponding environmental conditions for test

*Scope*

Dynamic wear testing of artificial discs

*Spinal region*

lumbar, thoracic, cervical



- Static expulsion (S-EX)

### S-01

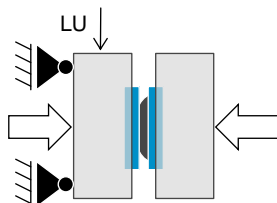
Static expulsion test with intervertebral implants

*Scope*

Static expulsion testing of intervertebral body implants

*Spinal region*

lumbar, thoracic, cervical



- Static luxation (S-LU)

### S-02

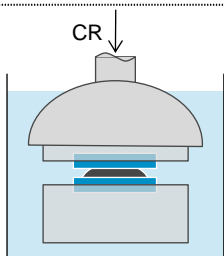
Static luxation test with intervertebral implants

*Scope*

Static luxation testing of intervertebral body implants

*Spinal region*

lumbar, thoracic, cervical



- Dynamic creep (D-CR)

### S-03

Creep test with intervertebral implants

*Scope*

Creep testing of intervertebral body implants

*Spinal region*

lumbar, thoracic, cervical

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

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