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AMENDMENT 1
2020-01

Implants for surgery — Wear of total knee-joint prostheses —

Part 3: Loading and displacement parameters for wear-testing machines with displacement control and corresponding environmental conditions for test

AMENDMENT 1

Implants chirurgicaux — Usure des prothèses totales de l'articulation du genou —

Partie 3: Paramètres de charge et de déplacement pour machines d'essai d'usure avec contrôle de déplacement et conditions environnementales correspondantes d'essai

AMENDEMENT 1

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This document was prepared by Technical Committee ISO/TC 150, *Implants for surgery*, Subcommittee SC 4, *Bone and joint replacements*.

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Implants for surgery — Wear of total knee-joint prostheses —

Part 3:
Loading and displacement parameters for wear-testing machines with displacement control and corresponding environmental conditions for test

AMENDMENT 1

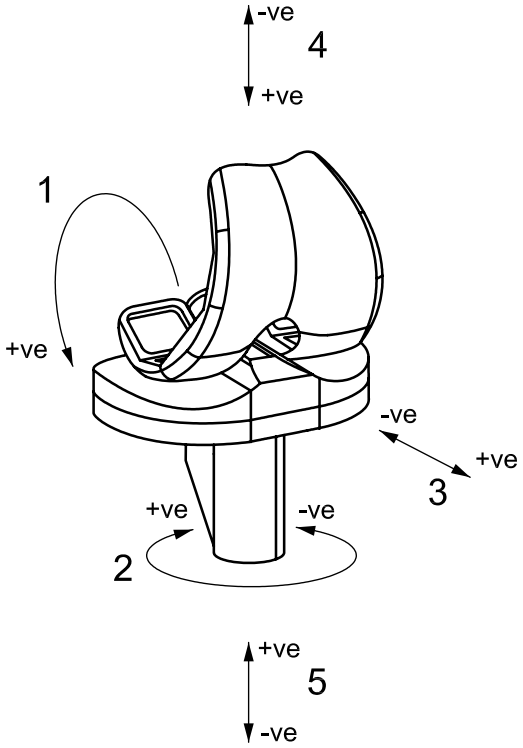
Clause 3

Replace the term and the definition 3.3 with the following:

3.3
axial force
force applied to either the tibial component or the femoral component of the knee-joint prosthesis in a direction perpendicular to the transverse plane

Note 1 to entry When applied to the tibial component, the axial force is considered positive when it acts in an inferior-to-superior direction (See Figures 1 and 2); when applied to the femoral component, the axial force is considered positive when it acts in a superior-to-inferior direction.

Replace Figure 1 and key with the following:



Key

1 flexion (of femoral component)
2 tibial rotation
3 AP displacement by the tibial component
4 polarity of axial force when applied to the femoral component
5 polarity of axial force when applied to the tibial component

Figure 1 — Sign convention for the forces and motions, shown for a left total knee replacement system

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