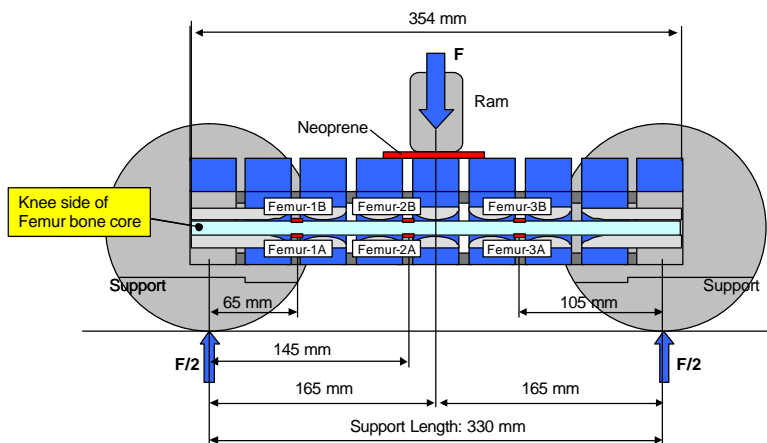


Flex-GT(SN01)

Flexible Pedestrian Legform Impactor Type GT (FLEX-GT) Evaluation Test Results



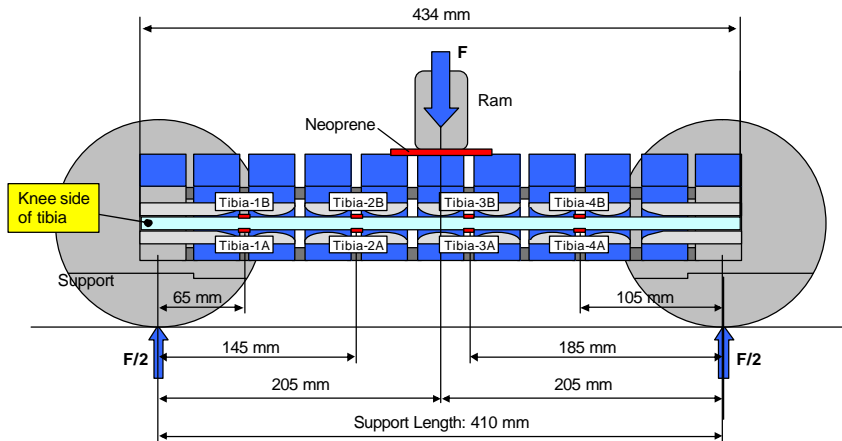
Flex-GT: Repeatability and Reproducibility Evaluation Test - Femur, Test setup -



Moment: Femur-1 (Nm) = $F/2 \times 0.065$
 Moment: Femur-2 (Nm) = $F/2 \times 0.145$
 Moment: Femur-3 (Nm) = $F/2 \times 0.105$

quasi static 3 point bending test

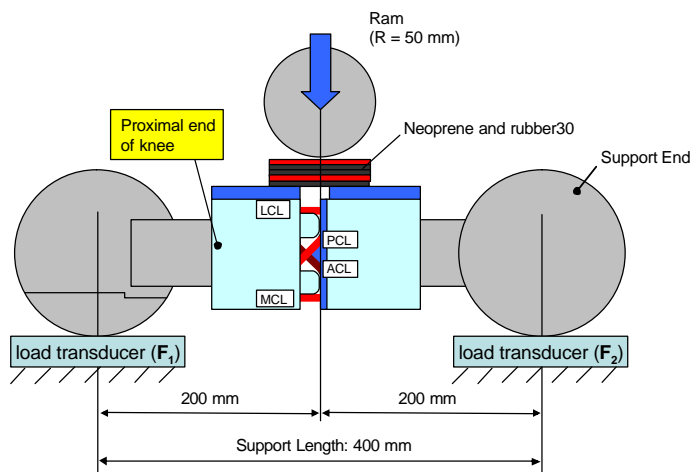
Flex-GT: Repeatability and Reproducibility Evaluation Test - Tibia, Test setup -



Moment: Tibia-1 (Nm) = $F/2 \times 0.065$
 Moment: Tibia-2 (Nm) = $F/2 \times 0.145$
 Moment: Tibia-3 (Nm) = $F/2 \times 0.185$
 Moment: Tibia-4 (Nm) = $F/2 \times 0.105$

quasi static 3 point bending test

Flex-GT: Repeatability and Reproducibility Evaluation Test - Knee, Test setup -

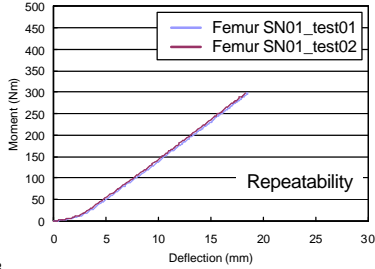


Moment: Knee joint surface (Nm) = $F_1 \times 0.2$

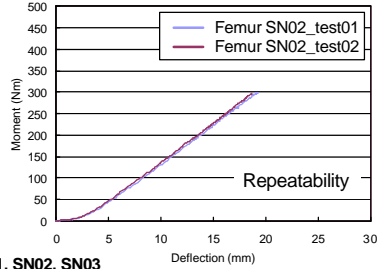
quasi static 3 point bending test

Flex-GT: Repeatability and Reproducibility Evaluation Test - Femur, Test results -

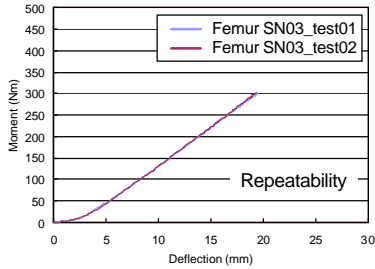
SN01



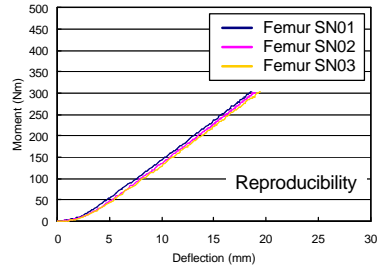
SN02



SN03

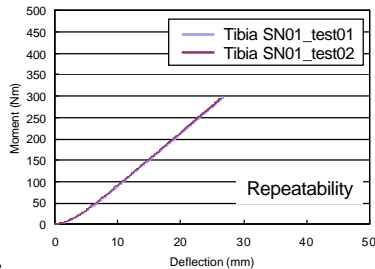


SN01, SN02, SN03

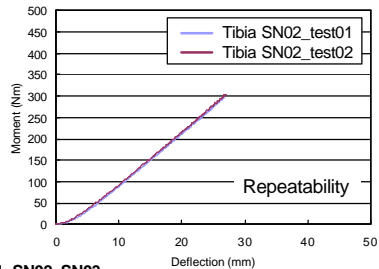


Flex-GT: Repeatability and Reproducibility Evaluation Test - Tibia, Test results -

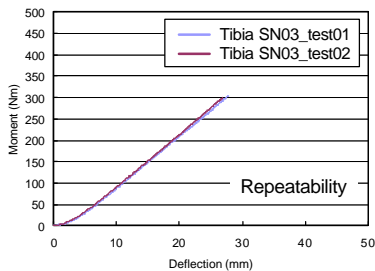
SN01



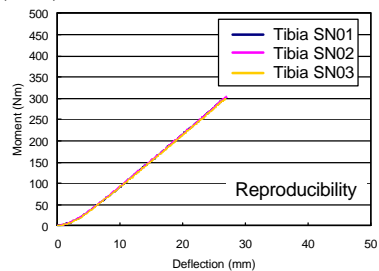
SN02



SN03

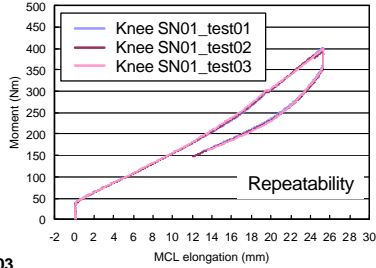


SN01, SN02, SN03

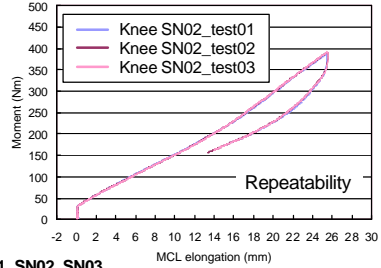


Flex-GT: Repeatability and Reproducibility Evaluation Test - Knee, Test results -

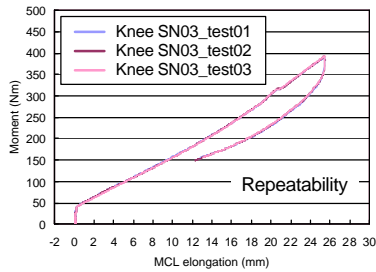
SN01



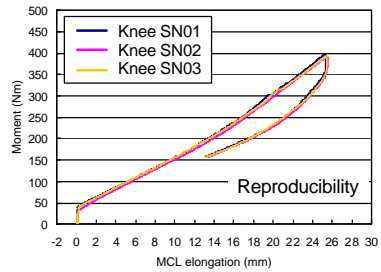
SN02



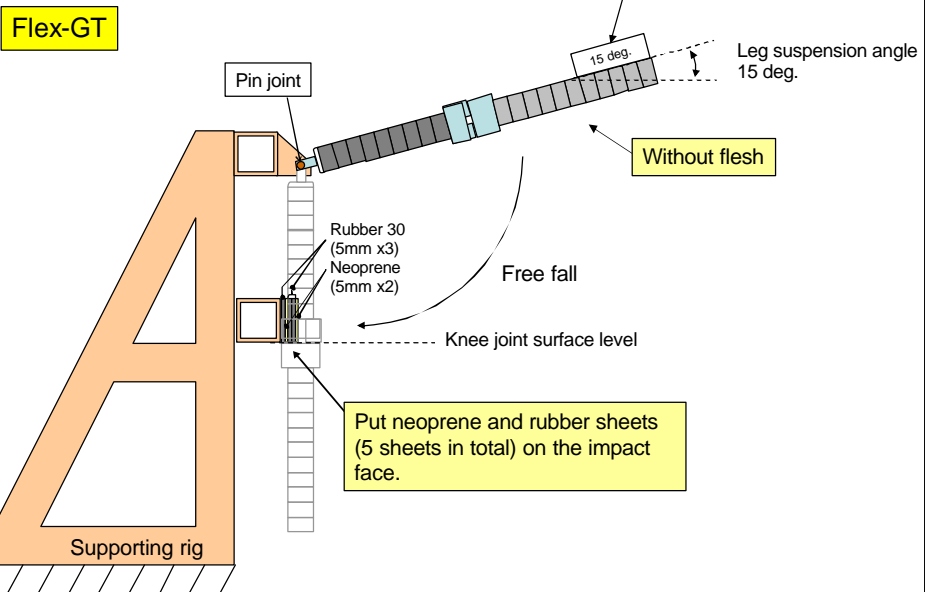
SN03



SN01, SN02, SN03



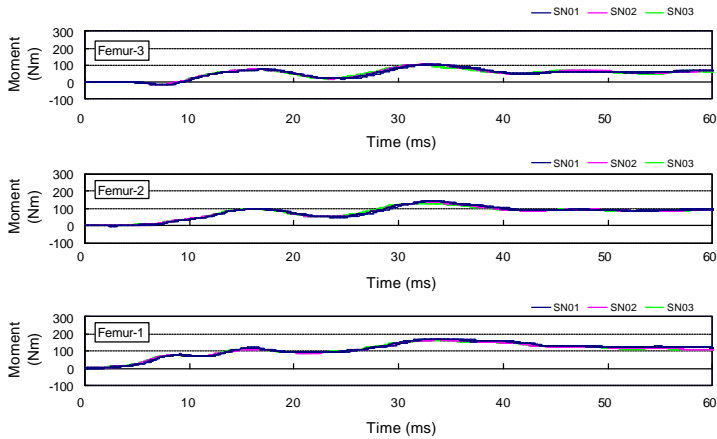
Flex-GT: Repeatability and Reproducibility Evaluation Test - Assembly Test, Test setup -



Flex-GT: Repeatability and Reproducibility Evaluation Test - Assembly Test, Test results -

Flex-GT (Femur)

Three test results for each impactor (SN01, SN02, SN03)

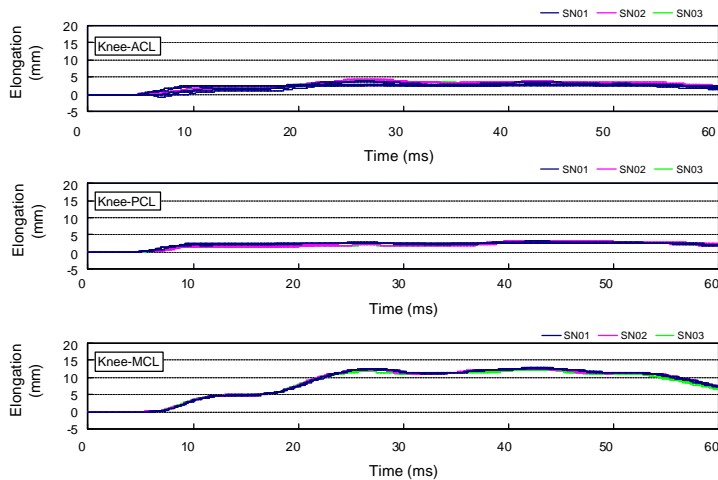


Femur output: does not use injury assessment (just check tool reliability)

Flex-GT: Repeatability and Reproducibility Evaluation Test - Assembly Test, Test results -

Flex-GT (Knee)

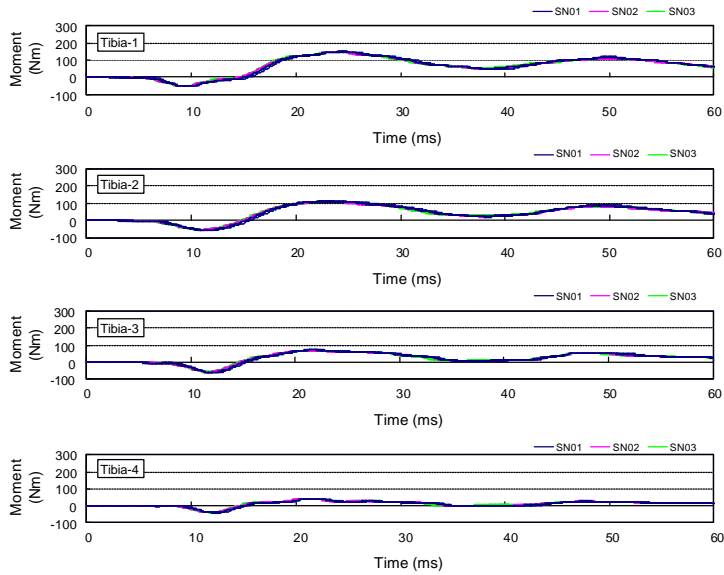
Three test results for each impactor (SN01, SN02, SN03)



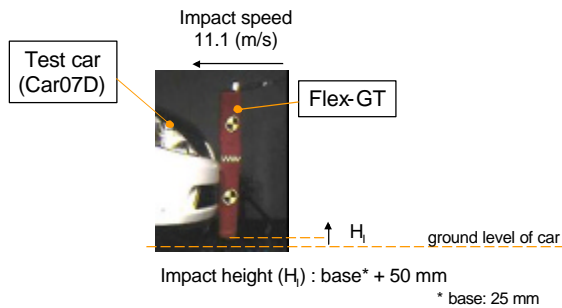
Flex-GT: Repeatability and Reproducibility Evaluation Test - Assembly Test, Test results -

Flex-GT (Tibia)

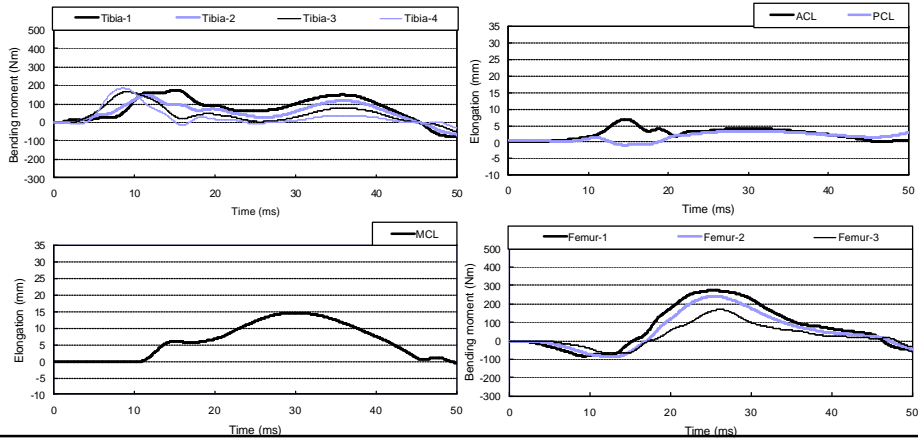
Three test results for each impactor (SN01, SN02, SN03)



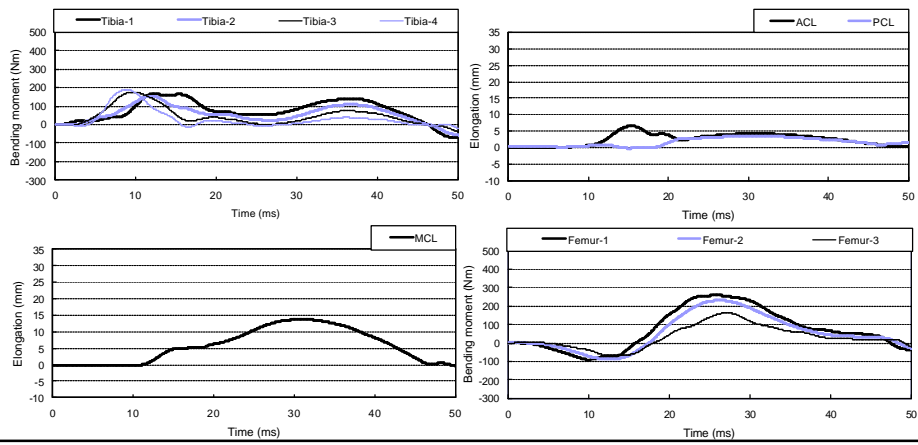
Flex-GT: Reproducibility Evaluation Test - Car Test, Test setup -



Car07D, Center \ddot{U} Flex-GT (SN01), $H_f = \text{base} + 50 \text{ mm}$



Car07D, Center \ddot{U} Flex-GT (SN02), $H_f = \text{base} + 50 \text{ mm}$



Car07D, Center \ddot{U} Flex-GT (SN01, SN02), $H_1 = \text{base} + 50 \text{ mm}$

Flex-GT(SN01)

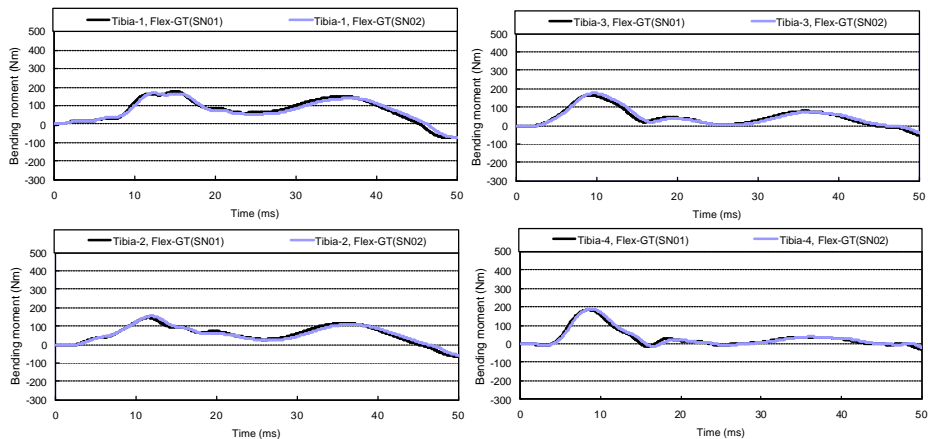


Flex-GT(SN02)



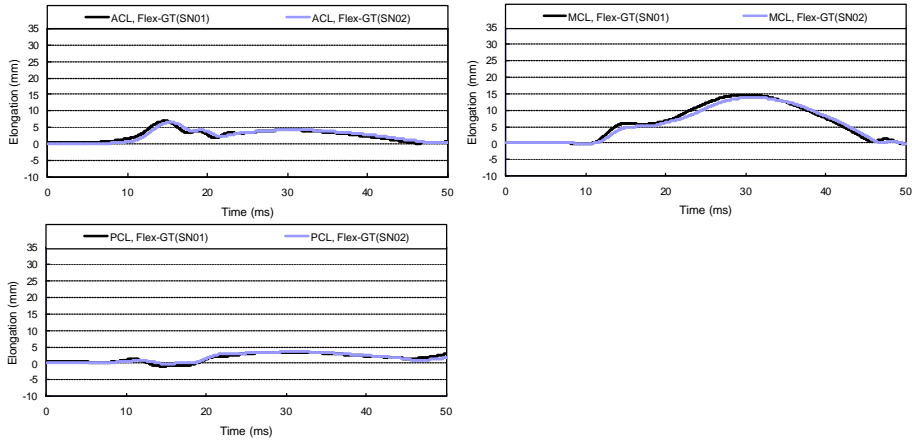
Car07D, Center \ddot{U} Flex-GT (SN01, SN02), $H_1 = \text{base} + 50 \text{ mm}$

Tibia output (Tibia-1, Tibia-2, Tibia-3, Tibia-4)



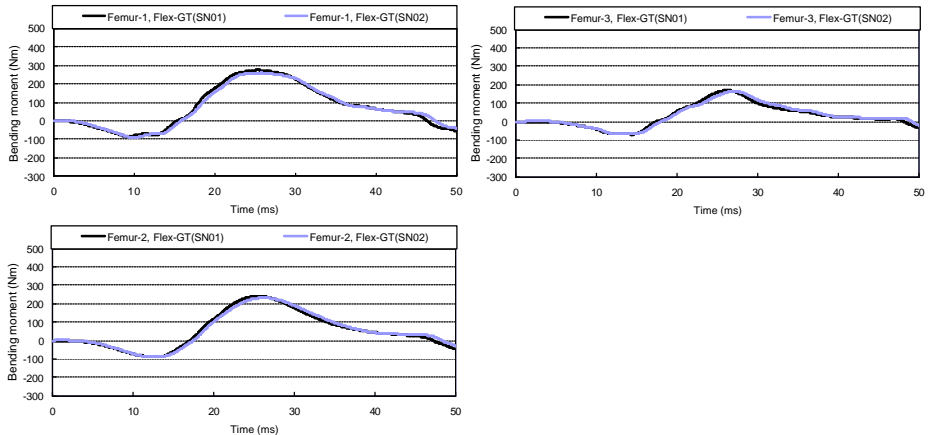
Car07D, Center \ddot{U} Flex-GT (SN01, SN02), H_f = base + 50 mm

Knee output (Knee-ACL, Knee-PCL, Knee-MCL)



Car07D, Center \ddot{U} Flex-GT (SN01, SN02), H_f = base + 50 mm

Femur output (Femur-1, Femur-2, Femur-3)



Car07D, Center \ddot{U} Flex-GT (SN01, SN02), H_1 = base + 50 mm

