



ISO/TS 13499 - RED C : 2011(E)

Impactors

Pedestrian legform impactor

Proposal 06.04.2011

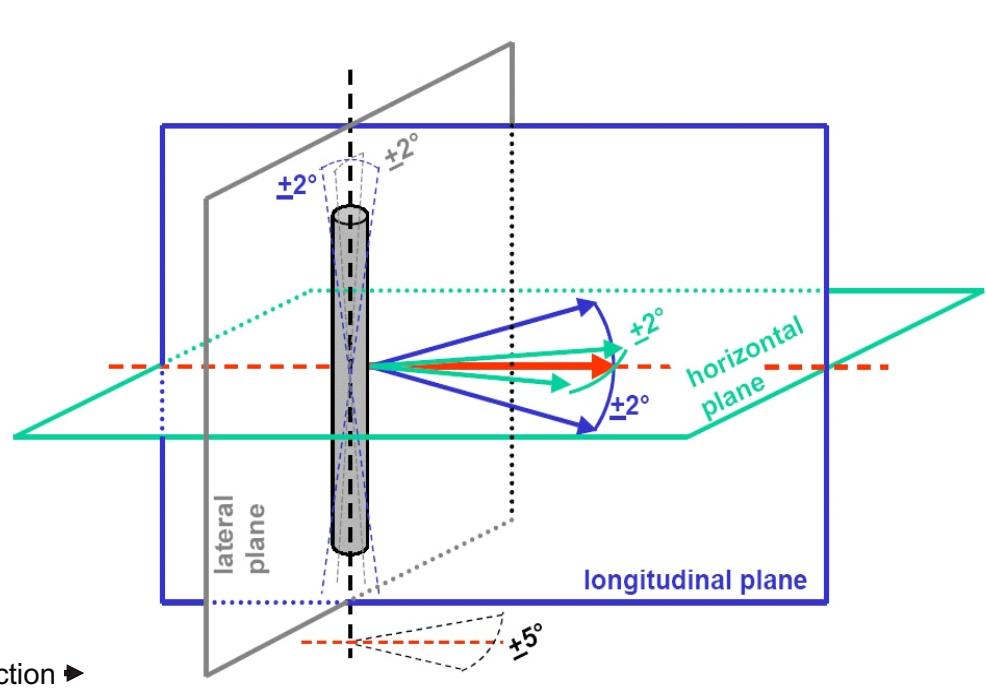
Y X

Z

D 0 FEMR 00 00 PL AN Y

D 0 TIBI UP 00 PL AN Y

D 0 TIBI UP 00 PL AC X



D 0 TIBI UP 00 PL AC X ?  
D 0 TIBI UP 00 PL AN Y ?  
D 0 FEMR 00 00 PL AN Y ?  
D 0 KNEE 00 00 PL AN Y ?  
D 0 KNEE 00 00 PL DS X ?

Tibia acceleration  
Bending angle tibia  
Bending angle femur  
Bending angle effective  
Shear displacement

transducer  
transducer  
transducer  
calculation  
calculation

D 0 FEMR 00 OR PL DS X V  
D 0 FEMR 00 OR PL DS Y V  
D 0 FEMR 00 OR PL DS Z V  
D 0 FEMR 00 OR PL AN X V  
D 0 FEMR 00 OR PL AN Y V  
D 0 FEMR 00 OR PL AN Z V

Position X  
Position Y  
Position Z  
Orientation in lateral plane YZ  
Orientation in longitudinal plane XZ  
Orientation in horizontal plane XY

filmanalysis  
filmanalysis  
filmanalysis  
filmanalysis  
filmanalysis  
filmanalysis

D 0 TIBI UP 00 PL DS X ?  
D 0 FEMR 00 00 PL VE X ?  
D 0 FEMR 00 00 PL VD X ?  
D 0 FEMR 00 00 PL VA X ?

Indentation at hit point  
Impact velocity - direct measurement  
Impact velocity - differ. from displ.  
Impact velocity - integr. from accel.

calculation  
transducer  
calculation  
calculation