

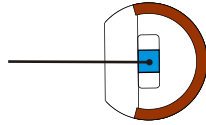


# ISO/TS 13499 - RED C : 2011(E)

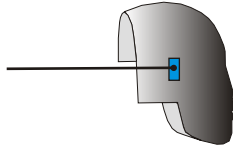
## Impactors

Headforms and  
Upper legform impactor

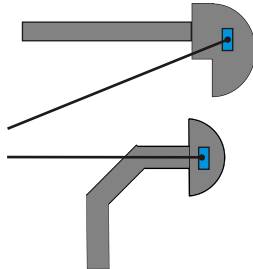
D 0 HEAD 00 00 P? AC ?



D 0 HEAD 00 00 FH ?? ?



D 0 HEAD 00 00 HE ?? ?



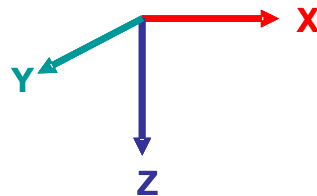
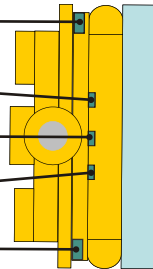
D 0 FEMR UP 00 PU FO X

D 0 FEMR UP 00 PU MO Y

D 0 FEMR MI 00 PU MO Y

D 0 FEMR LO 00 PU MO Y

D 0 FEMR LO 00 PU FO X



D 0 FEMR UP 00 PU FO X ?	Upper shear force	transducer
D 0 FEMR LO 00 PU FO X ?	Lower shear force	transducer
D 0 FEMR UP 00 PU MO Y ?	Upper bending moment	transducer
D 0 FEMR MI 00 PU MO Y ?	Middle bending moment	transducer
D 0 FEMR LO 00 PU MO Y ?	Lower bending moment	transducer

D 0 HEAD 00 00 FH AC X ?	Free Motion Headform acceleration X	transducer
D 0 HEAD 00 00 FH AC Y ?	Free Motion Headform acceleration Y	transducer
D 0 HEAD 00 00 FH AC Z ?	Free Motion Headform acceleration Z	transducer

D 0 HEAD 00 00 HE AC X ?	Headform acceleration X	transducer
D 0 HEAD 00 00 HE AC Y ?	Headform acceleration Y	transducer
D 0 HEAD 00 00 HE AC Z ?	Headform acceleration Z	transducer

D 0 HEAD 00 00 P? AC X ?	Headimpactor acceleration X	transducer
D 0 HEAD 00 00 P? AC Y ?	Headimpactor acceleration Y	transducer
D 0 HEAD 00 00 P? AC Z ?	Headimpactor acceleration Z	transducer

D 0 HEAD 00 OR ?? DS X V	Position X	filmanalysis
D 0 HEAD 00 OR ?? DS Y V	Position Y	filmanalysis
D 0 HEAD 00 OR ?? DS Z V	Position Z	filmanalysis
D 0 HEAD 00 OR ?? AN X V	Rotation around X axis	filmanalysis
D 0 HEAD 00 OR ?? AN Y V	Rotation around Y axis	filmanalysis
D 0 HEAD 00 OR ?? AN Z V	Rotation around Z axis	filmanalysis