No. of Specimens and Screws

1. 16 Feet ( 8 matched pairs)
2. 3 Bones per foot (48 bones total)
3. 3 Screws per bone ( 9 screws per foot, 146 screw total)

Stages of loading:

1. Fixation (this is the time point of CT scan)
2. 50% BW
3. 50% BW + 200 N
4. 50% BW + 400 N
5. 50% BW + 600 N
6. ....
7. 50% BW + 2600 N (or prior to failure or stoppage)

Input for each screw at each stage is one 3D coordinate (x,y,z)