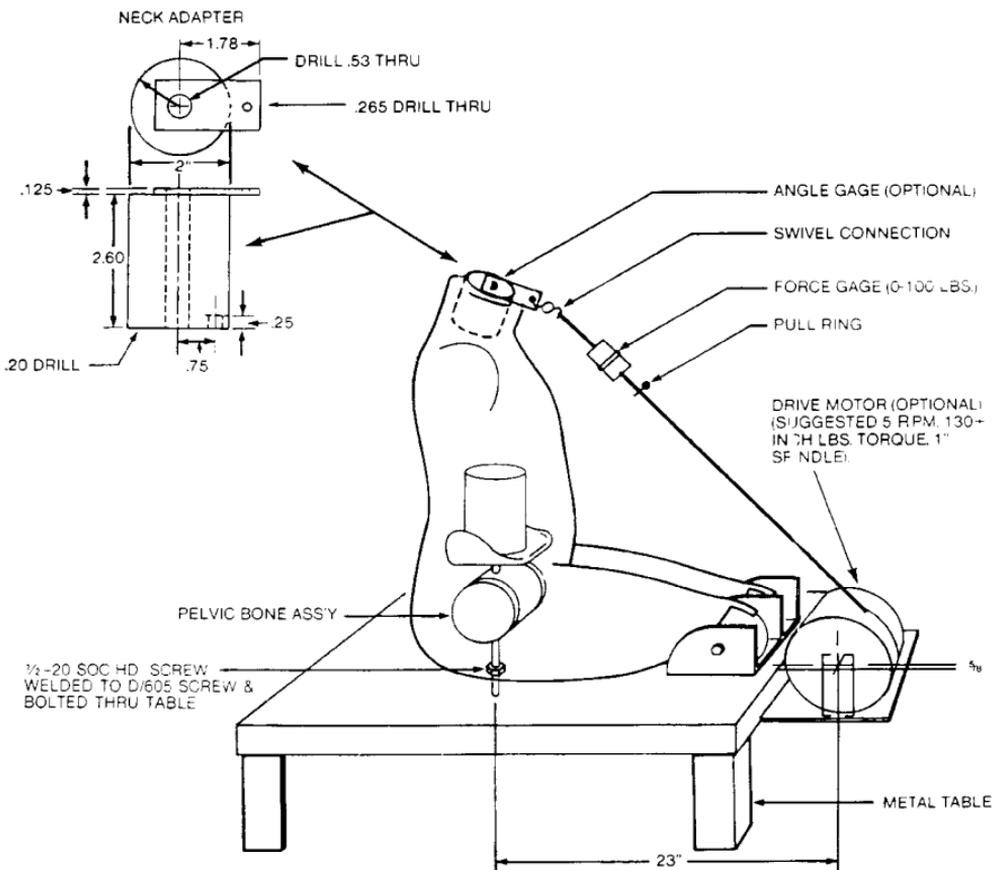


FIGURE 42
LUMBAR SPINE FLEXION TEST SET-UP



NOTES: 1. DUMMY IMPACT SENSORS NOT USED IN THIS TEST MAY BE REPLACED BY EQUIVALENT DEAD WEIGHTS.

2. NO EXTERNAL SUPPORTS ARE REQUIRED ON THE DUMMY TO MEET SET-UP SPECIFICATIONS.

3. THE MIDSAGITTAL PLANE OF THE DUMMY IS VERTICAL WITHIN ± 1 DEG.

4. THE DUMMY IN THE SEATED POSITION IS FIRMLY AFFIXED TO THE TEST BENCH AT THE PELVIC BONE AND AT THE KNEES.

5. THE PULL-FLEXION FORCE, APPLIED THROUGH A RIGID NECK ADAPTOR WHICH IS MOUNTED ON TOP OF THE THORACIC STERNUM ASSEMBLY (C/601), IS ALIGNED WITH THE MIDSAGITTAL PLANE OF THE DUMMY WITHIN ± 1 DEG.

6. THE SWIVEL FOR THE FORCE MEASURING SENSOR MUST NOT BIND OR BOTTOM OUT THROUGH THE ENTIRE LOADING CYCLE.