

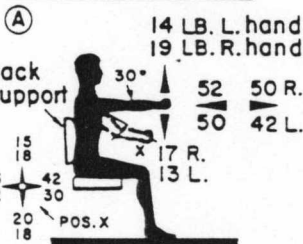
HUMAN STRENGTH

(for short durations)

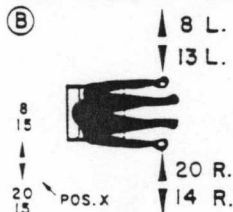
strength correction factors:

- x 0.9 left hand and arm
- x 0.84 hand-age 60
- x 0.5 arm & leg-age 60
- x 0.72 women

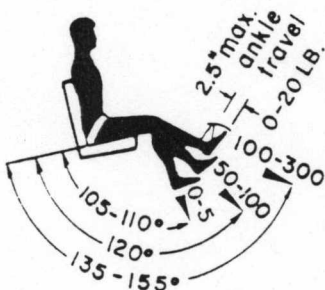
ARM FORCES SITTING



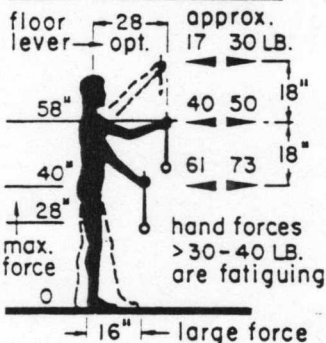
ARM FORCES SITTING



LEG FORCES SITTING



ARM FORCES STANDING



LIFTING FORCES

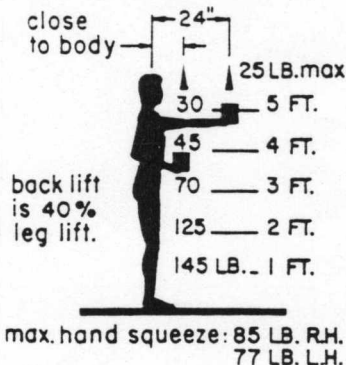


FIGURE 4.4

Average human strength for different tasks. (From H. Dreyfuss, *The Measure of Man: Human Factors in Design*, Whitney Library of Design, New York, 1967.)