

**FIGURE P7-21**

Problem 7-51 From P. H. Hill and W. P. Rule. (1960). *Mechanisms: Analysis and Design*

- †7-51 Figure P7-21 shows a drag link mechanism with dimensions. Write the necessary equations and solve them to calculate the angular acceleration of link 4 for an input of  $\omega_2 = 1$  rad/sec. Comment on uses for this mechanism.

† These problems are suited to solution using *Mathcad*, *Matlab*, or *TKSolver* equation solver programs.