

0.24 m

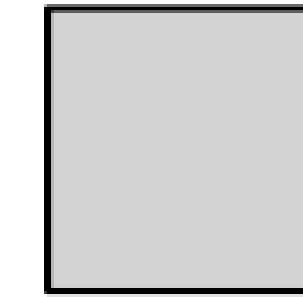
The diagram illustrates a mechanical system. A horizontal green bar extends from the top right. A vertical black bar, labeled "Bar 1", is attached to this green bar at its top end, point B. The bottom end of Bar 1 is connected to a circular black frame at point A. Point A is shown as a hinged joint, indicated by a curved arrow and the letter A. The frame is supported by a ground surface represented by diagonal hatching. Two orange arrows indicate forces or velocities: arrow 1 points vertically upwards along Bar 1, and arrow 2 points horizontally to the left from point B. The angular velocity of the frame is given as $\Omega_3 = 0.6 \text{ rad/s}$.

Misaligned joint

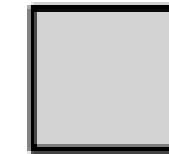
C
Bar 3

Bar cross sections

Bar 1 and 2



Bar 3



1

16 mm