

[Home](#) > A cam with 40 mm minimum diameter rotates in clockwise.....

A cam with 40 mm minimum diameter rotates in clockwise.....

Question:

A cam with 40 mm minimum diameter rotates in clockwise at uniform speed and has to give the following motion to a roller follower 15 mm diameter :

- (i) Follower to complete outward stroke of 40 mm during 120° of cam rotation with uniform velocity.**
- (ii) Follower to dwell for 60° of cam rotation.**
- (iii) Follower will return to its initial position during 120° of cam rotation with uniform acceleration and retardation.**
- (iv) Follower will dwell for remaining 60° of cam rotation.**

Draw the profile of cam, if the axis of follower passes through the axis of cam.

Answer:

