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Circular and Rotational Motion - AP Physics 1

Answer: $v_i = 5.03 \text{ m/s}$ and hang time = 1.03 s (except for in sports commercials) See solution below. A bullet leaves a rifle with a muzzle velocity of 521 m/s . While accelerating through the barrel of the rifle, the bullet moves a distance of 0.840 m .
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Rotational motion of a rigid body around a fixed axis is a special case of rotational motion. During rotational motion there is also a possibility of axis changing its orientation. We can not explain the concepts of wobbling or precession by using fixed axis hypothesis for rotational motion. Here in this article about rotational motion I am assuming that you are comfortable in describing motion in physics.

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This is the turning effect of the force and the motion of the body is called the Rotational motion. Rotational Motion. Rotational motion is an integral part of mechanics and the questions asked from this chapter are most difficult. So before starting to solve questions from this chapter, you should have a good hold on

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