20-P-FA-AF-005.

A:

E. M Cylindrical Components : Beginner

Q: The arm is rotating along the described path with an angular velocity of o = A rad/s and o = 0 rad/s =. Determine magnitude of the force exerted on the M kg ball when 0 = theta?

r= 0 = theta dr/d0 = 1 +> Fo = Mao = F + N(05 (4) +TFT = Mar = Nsin (4) tun + = 7/d1/d0 = 0/1 4 = tan- (0) $G = \Theta$, $G = \Theta - \Theta$, $G = \Theta^2 + \Theta - \Theta$ G = theta, G = A, $G = \Theta$ $a_{r} = \ddot{r} - r\dot{\theta}^{2} = \dot{\theta}^{2} - r\dot{\theta}^{2} = \dot{\theta}^{2}(1-r)$ Q0 = r0 + 2r0 = 2002 Mar F = Mag - Ncos (4) N= sin (4)