

SNS COLLEGE OF TECHNOLOGY

(An Autonomous Institution) COIMBATORE-641 035, TAMIL NADU



Applying $\leq M_A = 0$ PXOB = WXBA

BC is very small OB = radiu of wheel > r.

 $b = \frac{Pr}{M}$

b -> Horizontal distance of pt of revisionce measured from centre of wheel known as "Co-efficient of Rolling resultance".

Roose >> Rolling resistance:

(P) A wheel of weight 1000 N and dia 600 mm is require to move on a horizontal surface. If the co-efficient of rolling revistance is to 15 mm. Calculate the force! required to roll the wheel without shipping.

Giren W= 1000N b=15mm

r= 600 = 300 mm

b = Pr

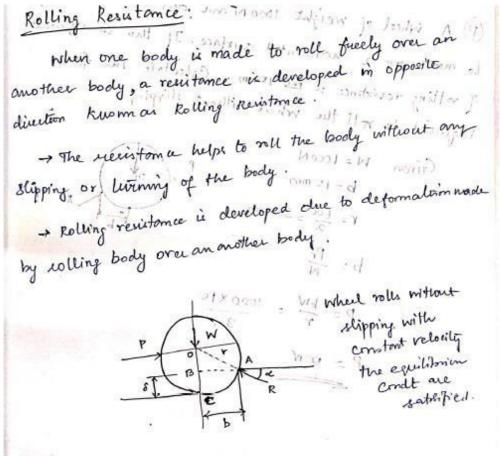
P= + = 1000×15

P = 90N



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