



$$\mu F = P$$

$F = \text{CLAMPING FORCE}$

$$\therefore P \times r = T$$

NOW IN YOUR CASE YOU NEED $2P \times r = T$

WHERE $T = \text{TORQUE REQ TO START ROTATION}$

YOUR BIGGEST PROBLEM WILL BE DETERMINING μ .

IF I WERE YOU I WOULD GET μ
BY TESTING.