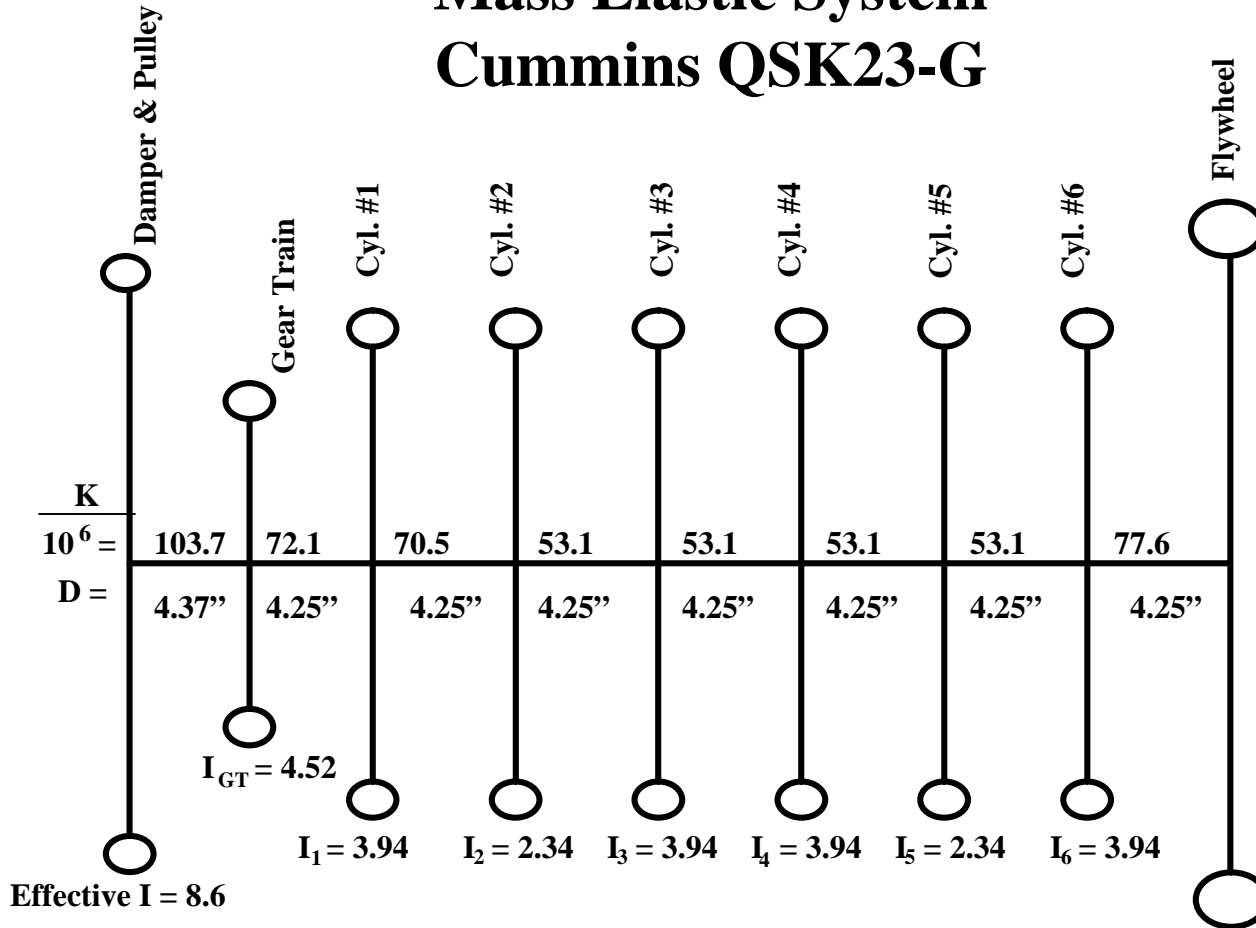


Mass Elastic System Cummins QSK23-G



Effective Inertia = Housing + Pulley + 1/2 Floating
Housing Inertia = 4.0
Floating Inertia = 7.9
Pulley Inertia = 0.6
Structural damping = 0.10
Viscous damping = 3000

SAE : FW : $I_{FW} = 68.5$
 Includes FW+rear gear train + crank flange

I = Mass Moment of Inertia (in-lb-sec²)
K = Stiffness (in-lb/radian)
D = Minimum Shaft Diameter (inches)