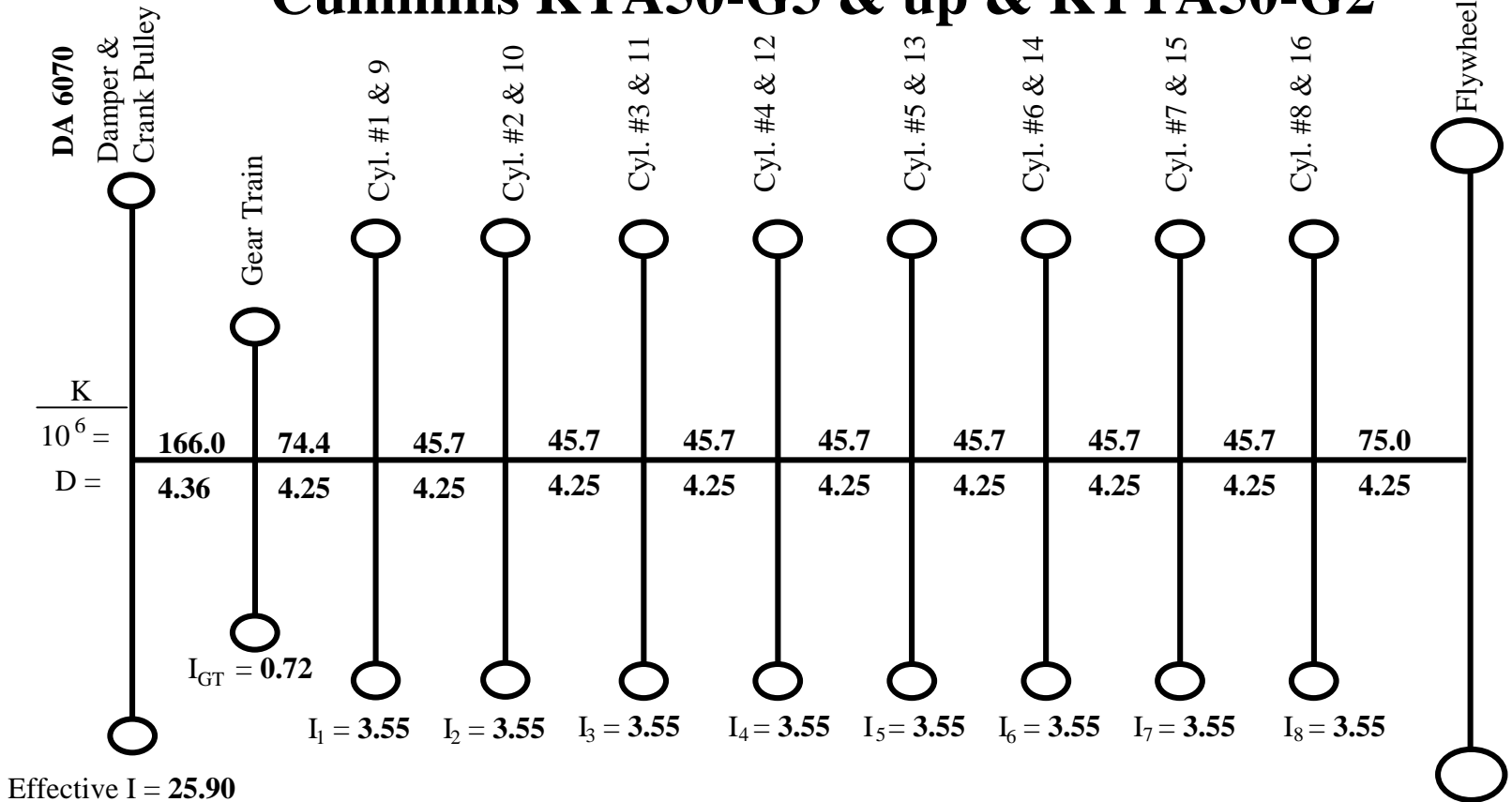


# Mass Elastic System

## Cummins KTA50-G3 & up & KTTA50-G2



Effective Inertia = Housing + Pulley + 1/2 Floating  
 Housing Inertia = **14.73**  
 Floating Inertia = **18.86**  
 Pulley Inertia = **1.71**  
 Structural damping = **0.10**  
 Viscous damping = **15,000**

I = Mass Moment of Inertia (in-lb-sec<sup>2</sup>)  
 K = Stiffness (in-lb/radian)  
 D = Minimum Shaft Diameter (inches)

SAE 0 : FW 6009:  $I_{FW} = 57.2$   
 SAE 00: FW 6017:  $I_{FW} = 148.5$