



Rod Load, Inertia

Inertia rod load is the force derived from the acceleration and deceleration of the mass of the reciprocating components; piston and rod assembly and crosshead assembly. The inertia rod load is a direct function of the amount of reciprocating mass and the square of the rotating speed. Inertia rod load always reverses.

Inertia rod load is important for calculating crosshead pin reversal. Ariel calculates inertia rod load solely for the purposes of calculating crosshead pin reversal.