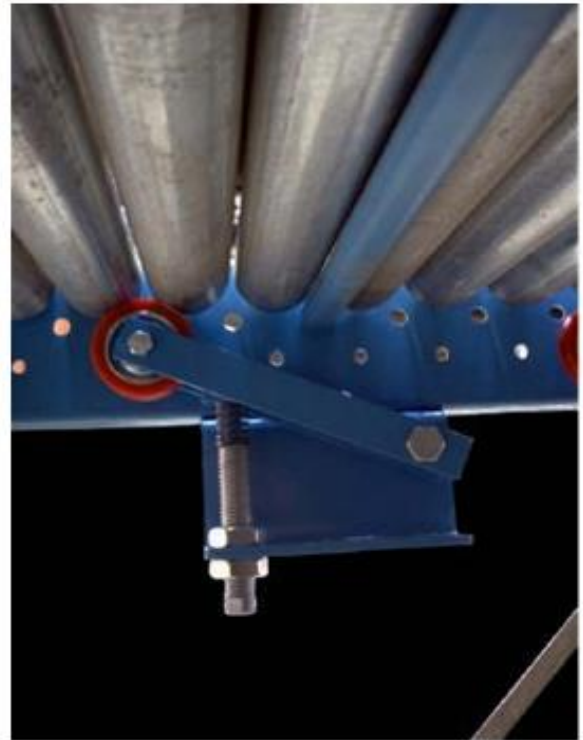


Rollerslo...[®]

A Roller Retarder For Roller Conveyors

Rollerslo[®] Helps Slow Or Control The Flow of Objects On Roller Conveyors

The purpose of Rollerslo[®] is to control the Flow of objects moving on roller conveyors. Rollerslo[®] utilizes the elastomer hysteresis effect of Palletflo[®] wheels to limit the speed of these objects moving on the rollers. The Rollerslo[®] wheel system is placed between two rollers on a roller conveyor allowing the elastomer hysteresis effect of the Palletflo[®] wheel to control both rollers. As the object



rolls over the two Rollerslo's[®], the Palletflo[®] wheel starts to turn, the hysteresis effect absorbs the energy of the turning rollers and reduces its speed. The elastomer hysteresis effect of the Palletflo[®] wheel acts as a brake and slows the flow of the object moving down the conveyor.

Rollerslo[®] roller retarder works by adjustable Wheel pressure. The Palletflo[®] wheel is the weight, or pressure responsive. The increasing pressure on the tire provides a greater deformation of the tire and causes more kinetic energy to be given up as heat. Conversion of kinetic energy into thermal energy "the hysteresis effect" allows each wheel to act as a retarder to brake and stabilize the forward speed of the load on the roller conveyor.