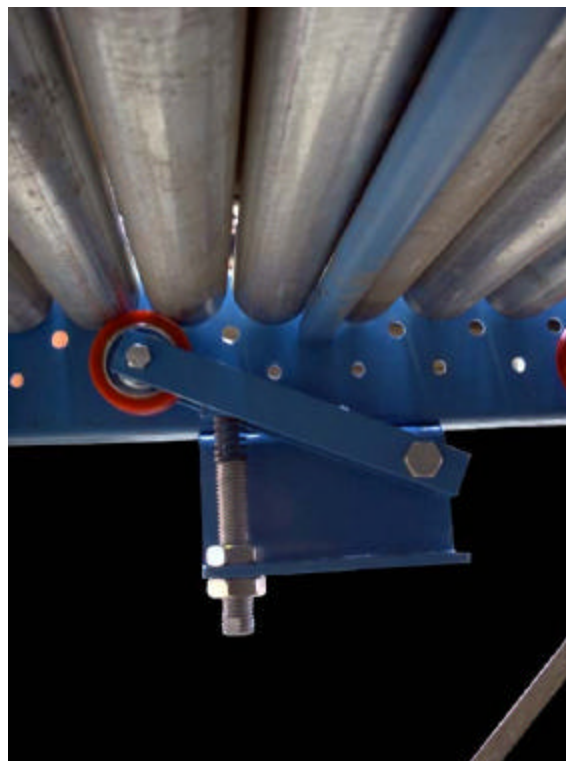


Rollerslo...®

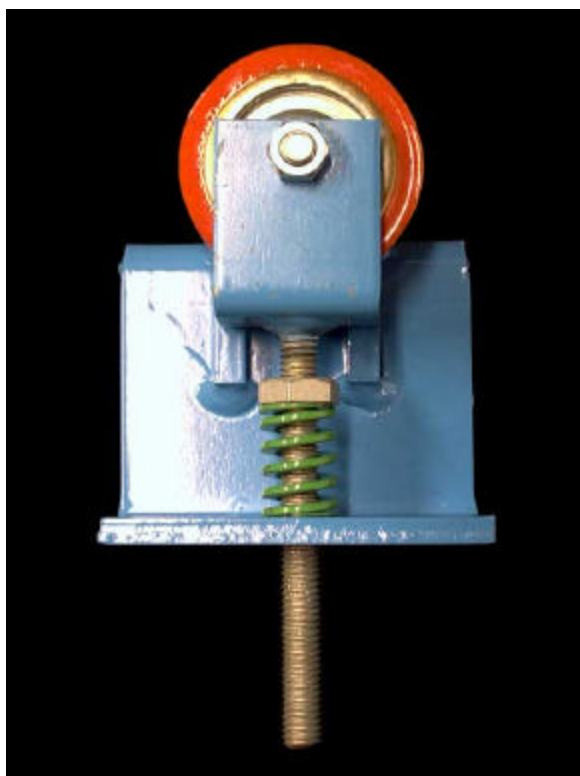
A Roller Retarder For Roller Conveyors

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 on the roller conveyor flows over the first roller the Rollerslo's® Palletflo® wheel starts to turn. This turning causes the second roller to turn in



Rollerslo Model: RXC141



Rollerslo Model: HGB154

the opposite direction of the first. When the object flows over the second roller it forces the roller to stop and turn back in the opposite direction against the Rollerslo® wheel. The elastomer hysteresis effect of the Rollerslo® 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 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. The 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.



KORNYLAK

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