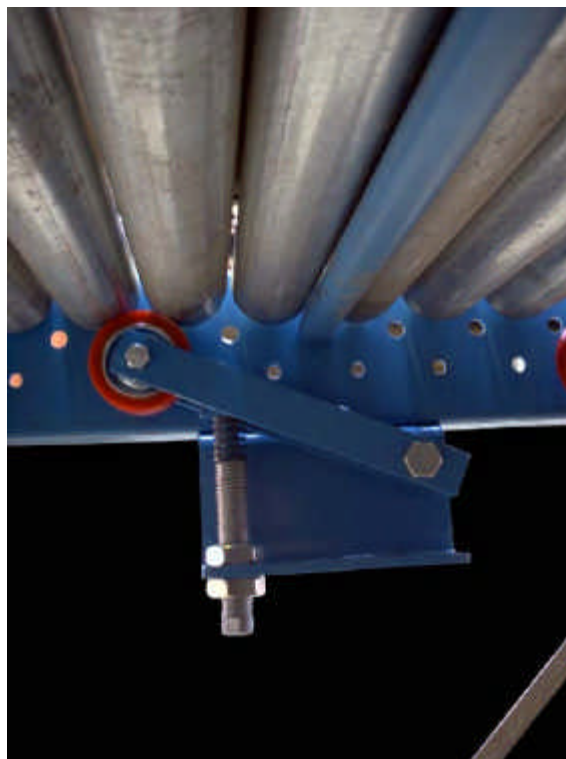


Rollerslo...®

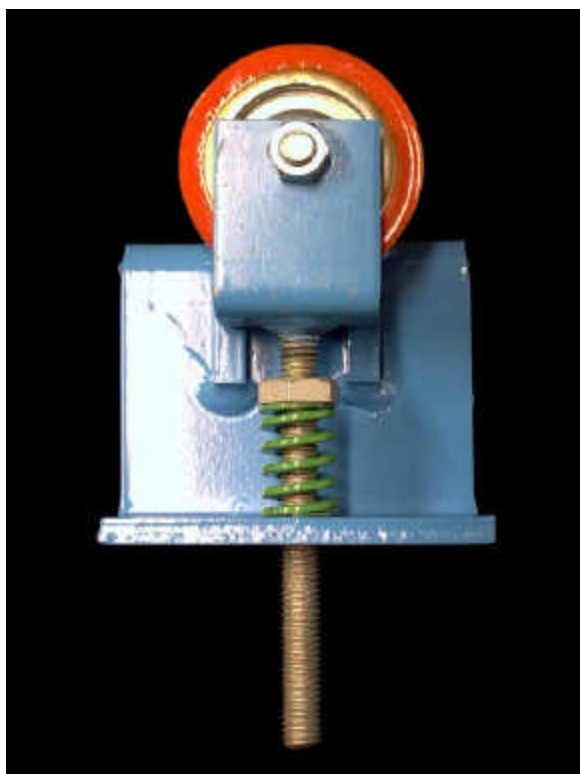
A Roller Retarder For Roller Conveyors

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.

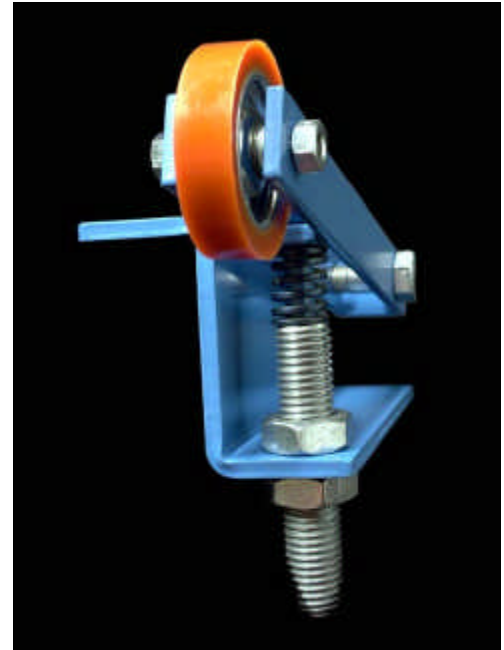
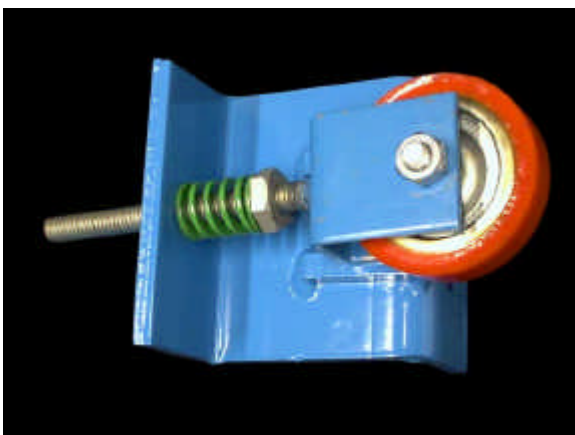
Rollerslo® roller retarder works by adjustable wheel pressure. The Palletflo® wheel is weight, or pressure responsive. The increasing pressure on the tire provides a greater deformation of the tire and causes more kinetic energy to be given up as heat. The conversion of kinetic energy into thermal energy, 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.

Rollerslo...®

There are two Rollerslos® the HGB154 and the RXC141. Both of the Rollerslos® bolt onto the bottom part of the roller conveyor rail. The HGB154 has 2 inches of adjustable height and the RXC141 has 3 inches of adjustable height. Both of the Rollerslos® have spring tensioning for greater accuracy and constant pressure. There are two different wheels available with each Rollerslo®, the standard ambient temperature wheel and the cool room wheel.



The Rollerslo® HGB154 is designed as an inexpensive way to control the flow of objects on a roller conveyor. You would use several HGB154 Rollerslos® along the length of the conveyor to control the object's speed.



The Rollerslo® RXC141 is designed as a heavy-duty version with a more accurate adjustment and higher spring tension. The higher spring tension gives the RXC141 the ability to act as a brake as well as a flow controller. Several RXC141's would be used along the length of the roller conveyor to control the speed of the object.

