

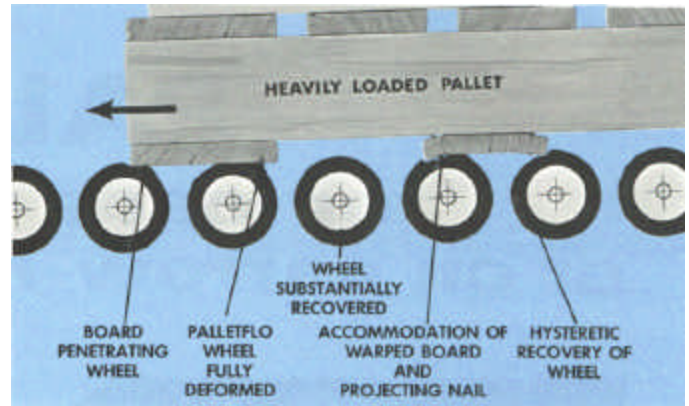
HYSTERESIS - A TESTED PRINCIPLE

Kornylak's Hysteresis Palletflo system overcomes the four major problems of gravity conveying, accumulation and storage of palletized loads:

1. The drawing at right shows how hysteresis works with all pallet surfaces, even wood pallets with bottom slats crosswise and with surface irregularities.
2. Hysteresis Palletflo eliminates uncontrolled speed buildup. It needs no retarders, brakes, pacing devices or mechanisms.
3. As indicated in the chart below, Hysteresis Palletflo adeptly handles the wide range of load variations from empty pallet to a heavy load of 14,000 lbs.
4. In a Hysteresis Palletflo system, the load will start up on its own gravity power after prolonged storage, eliminating the usual hang up problems in this area.

Extensive test have verified the performance of Hysteresis Palletflo. Kornylak maintains facilities at its Hamilton, Ohio plant for testing your load on your pallet in a Hysteresis Palletflo system. Ask for details.

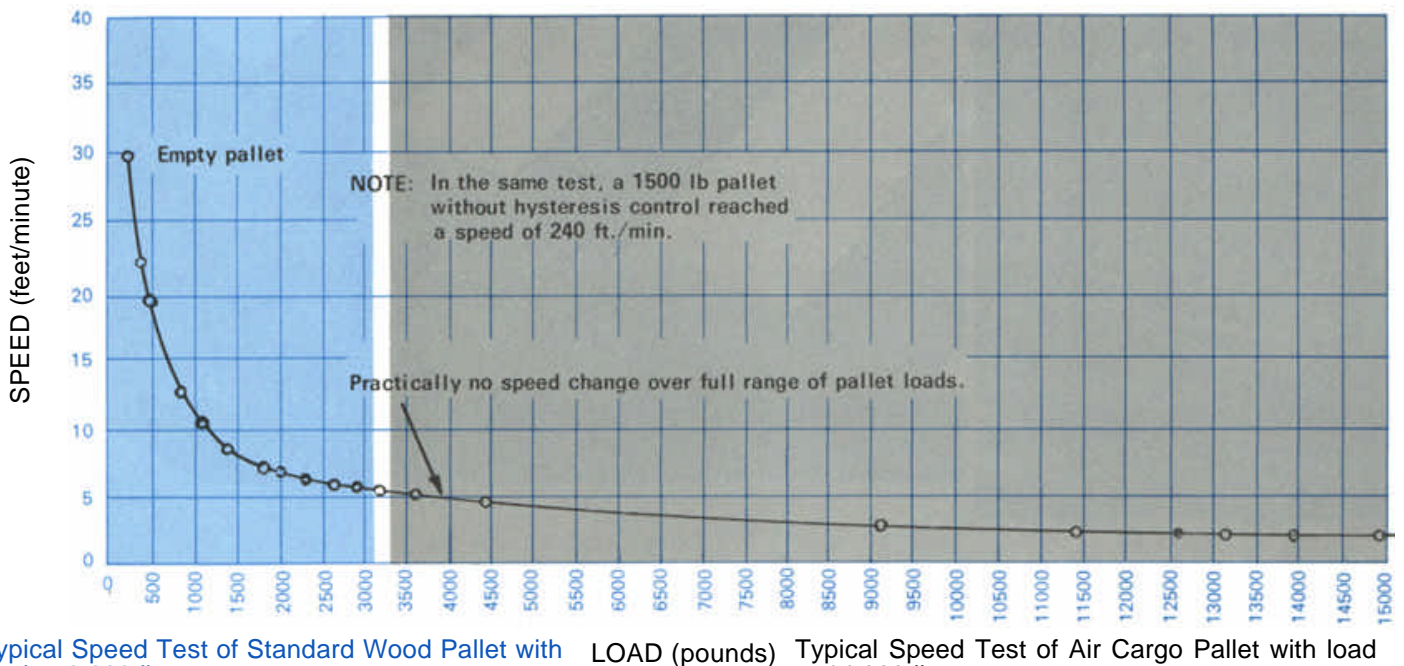
TESTS PROVE CONTROLLED SPEED REGARDLESS OF LOAD



Palletflo wheels deform to accommodate any standard pallet. Hysteresis in each controls pallet speed.

MAXIMUM ALLOWABLE LOAD							
PER INDIVIDUAL ENTRY, INTERMEDIATE OR DISCHARGE RAIL BASED ON 100# LIMIT PER WHEEL AND SUPPORTS ON 5'-0" CENTERS							
NET BOTTOM BOARD WIDTH*	WHEEL SPACING (Models RP-204, RP-205, RP-206)						
	1-1 2"	2-1 2"	3"	3-3 4"	4-1 2"	5"	6"
10"	600#	400#	300#				
15"	1000#	600#	500#	400#			
20"	1300#	800#	600#	500#	400#		
25"	1600#	1000#	800#	600#	500#	450#	400#
30"	2000#	1200#	1000#	800#	600#	550#	500#
35"	2300#	1400#	1100#	900#	700#	650#	550#
40"	2600#	1600#	1300#	1000#	800#	750#	600#
45"	3000#	1800#	1500#	1200#	1000#	900#	700#
48"	3200#	1900#	1600#	1250#	1150#	950#	800#

* The sum of the widths of all of the bottom deck boards of a pallet.



Typical Speed Test of Standard Wood Pallet with load to 3,000 lbs.

LOAD (pounds)

Typical Speed Test of Air Cargo Pallet with load to 14,000 lbs.

This portion charts tests run to determine effect of load on pallet speeds using 40" X 48" reversible slatted wood pallet; bottom boards crosswise on conveyor; running in 40" direction; on two standard RP210-2.5 Hysteresis rails; with rail slope of 7/16" per foot.

This portion charts test run to determine effect of load on pallet speed using an 48" X 125" Brooks and Perkins air cargo pallet; running in 125" direction; on four standard RP210-2.5 rails (two hysteresis and two non-Hysteresis); with rail slope of 7/16" per foot.