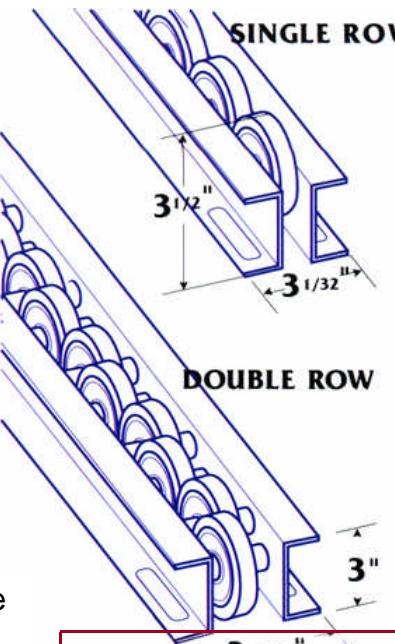


# Rail Weights

**Standard** For total load of up to 4100 lbs. on two rails with a 5" span

**Heavy** For loads up to 6200 lbs.



## Wheels

**General Warehousing** Temperature range of 60° to 90° F.

**Cold Room** Temperature range of 28° to 50° F.

**Pushline** A low hysteresis wheel. Not subject to temperature variations

Two single row rails usually suffice for most common wood pallets. Double row rails are used for pallets whose cross-wise bottom boards are not wide enough (less than 4 1/2"). The 1 1/2" spacing is sometimes needed to keep wheel loading within the design recommendations of 80lbs. / wheel. This is often the case when the pallet boards are few and narrow. A simplified formula for determining maximum wheel spacing

Sum Bottom Board Widths	Wheel Spacing					
	1-1/2"	2-1/2"	3"	3-3/4"	4-1/2"	5"
10"	960lb	640lb	480lb			
15"	1600lb	960lb	800lb			
20"	2080lb	1280lb	1040lb			
25"	2560lb	1600lb	1280lb	1040lb	880lb	800lb
30"	3200lb	1920lb	1600lb	12080lb	1040lb	960lb
35"	3680lb	2240lb	1840lb	1440lb	1200lb	1120lb
40"	4160lb	2560lb	2080lb	1680lb	1360lb	1280lb
45"	4800lb	2880lb	2400lb	1920lb	1600lb	1440lb
48"	5120lb	3040lb	2560lb	2000lb	1680lb	1520lb

in a two rail system is:

**Total board width x 160  
Spacing (inches)= Load (lbs.)**

Spacing should not exceed \*3" without testing. Three rail

Systems which are sometimes used for sagging pallets or to reduce wheel loading require special consideration and it is best to consult the factory. For total assurance, Kornylak offers to test your pallet and load at its facility without charge.

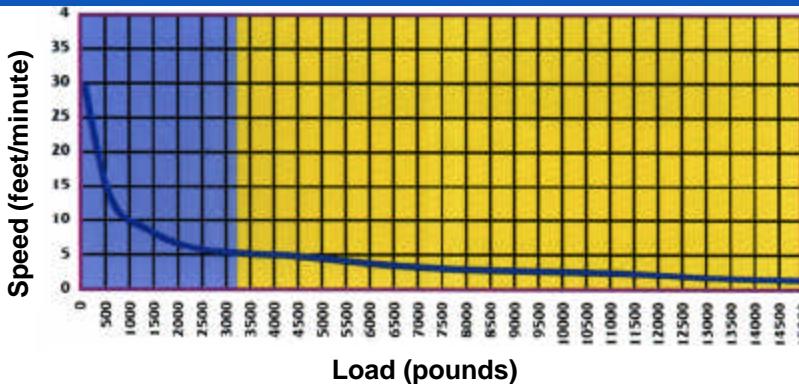
### Typical Speed Test Of Standard Wood Pallets With Loads To 3,000 lbs.

This portion charts tests run to determine effect of load on pallet speed using a 48" x 40" reversible slatted wooden pallet with 32" of bottom board in direction of flow; bottom boards crosswise on conveyor; running in 40" direction; on two standard RPB-3046-1-1/2 Load Rails with 7/16" slope per foot.

### Typical Speed Test Of Air Cargo Pallet With Loads To 14,000 lbs.

This portion charts tests run to determine effect of load on pallet speed using an 88" x 125" Brooks and Perkins air cargo pallet with solid bottom; running in 125" direction; on four standard RPB-3050-2-1/2 Load rails with 7/16" slope per foot.

### Tests Demonstrate Safe, Controlled Speed, Gentle Stop, With Any Load



Both test run at 65° F.

\*Cannot exceed 3" w/c on bottom boards that are 1 x 4 - ie. 1/2" x 3-1/2"

When planning large or unusual systems many have found it helpful and reassuring to first see their pallet and load tested. These tests duplicate the special conditions involved and provide data for the system designers.

Tests have proven Palletflo's capability at extreme temperatures, with very heavy loads, with unusual pallets, with loose and unstable loads, with mixes of various loads and with "hand with care" items such as computers, pianos and glass tubing.

You are invited to request such tests, free of charge and scheduled for your convenience at Kornylak. If unable to witness the test a report will be furnished. If required, a video tape can be provided.