



## MAPAL SLIP-SHEETS FOR PALLETLESS HANDLING SYSTEMS

In today's market, there are a few options available for the transportation industry:

The wooden pallet, the plastic pallet and the slip-sheet.



The most dominant product is the wooden pallet, which is required to be treated and be disinfection certified



Plastic pallets are offered in an array of designs and specifications, yet they are very expensive.



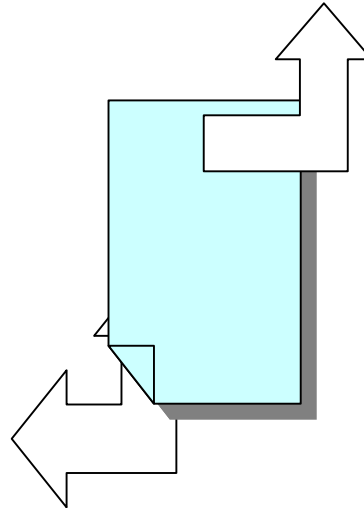
Of all the available options, working with the slip-sheet system is the best option available today, for more than one reason.

The Slip-sheet is a multilayered polymer sheet used as a substitute for wooden and plastic pallets in the transportation of goods.

The multilayer slip-sheet made by MAPAL creates a difference in the coefficient of friction on both sides:

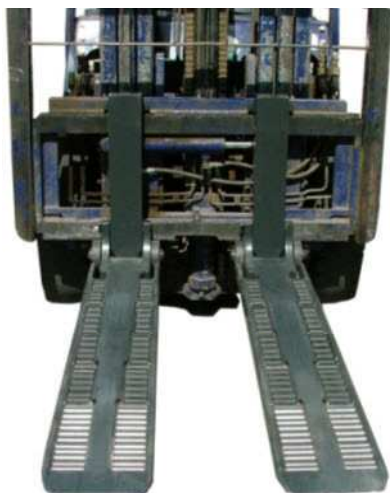
**One side offers extra friction, to prevent slipping**

**The other side offers extra sliding for effective loading and unloading.**



## **THE PUSH-PULL & ROLLER-FORK SYSTEM**

The Push-Pull & Roller-fork systems consist of a fork lift accessory and slip-sheets. Every forklift manufacturer has their own push-pull and roller-fork unit especially designed to fit their machinery.



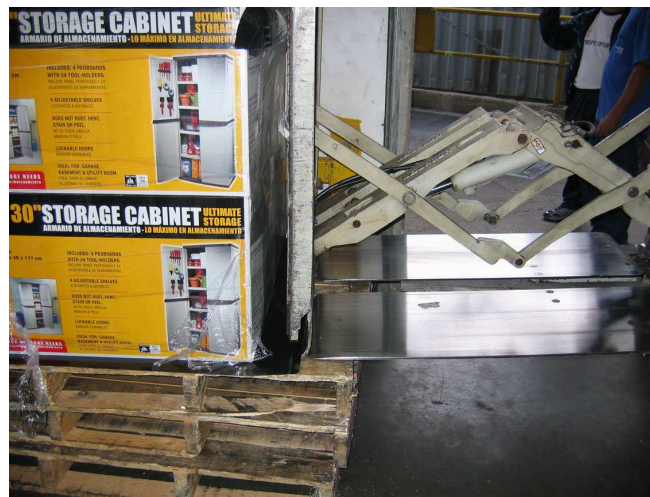
**The Roller-Fork System**



**The Push-Pull System**

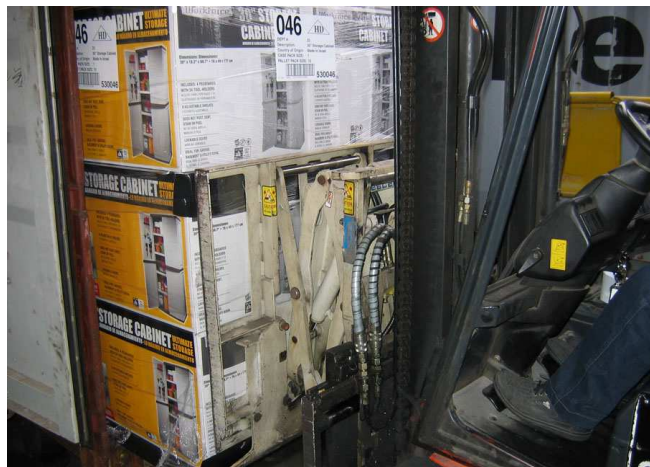
# HOW THE PUSH-PULL SYSTEM WORKS WITH THE SLIP-SHEET SYSTEM

The cartons rest on a slip-sheet and both rest on a pallet.



1

The Push –pull unit grabs on to the slip-sheet and pulls it onto the forklift together with the goods



2

The Forklift transports the goods and positions them in the container



3

The Push-Pull unit pushes the boxes off the forklift and into the container.  
The Slip-Sheet is then released

## HOW THE ROLLER-FORK SYSTEM WORKS WITH THE SLIP-SHEET SYSTEM



1

The Roller-Fork slides under the Slip-Sheet with the goods on it



2

The Roller-Fork unit lifts the goods from the floor and transports them to the container



3

The Roller-Fork is lowered and the goods together with the Slip-Sheet roll off the forklift

## ADVANTAGES OF THE SLIP SHEET SYSTEM



- **98% Less empty stacking space in containers & warehouses**
- **Less return transport**
- **Less administration**
- **Less handling**
- **10% more available shipping space**
- **Lower purchasing costs**
- **Longer shelf life**
- **Better hygiene (no need for pallet disinfection)**
- **Stronger and more resilient material**
- **Ecologically sound**
- **Environmentally friendly ( recyclable)**
- **Weather resistant**
- **The lowest price per unit (compared to it's counterparts)**

## DISADVANTAGES OF THE SLIP SHEET SYSTEM

Both, the sending and receiving factories must have the necessary equipment for Loading & unloading:



Either the Push- Pull Accessory



Or the Roller-Fork Accessory

**WE WILL BE HAPPY TO ASSIST WITH ALL THE  
RELEVANT INFORMATION**



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