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Loading Instructions

for

Ideal-Schwab Paternoster
Models: TPL - 2 HD & TPL – S

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Introduction

The Following Instructions are not the full instructions - they cover loading only. See Operating Instructions for more detail on how to operate machine.

Remember to treat vinyl flooring as follows:

- VERY CAREFULLY AND SLOWLY DOES IT.
- TEST LIFT BEFORE YOU ATTEMPT TO PHYSICALLY LIFT IT.
- STORE AND TRANSPORT ROLLS ON FLAT CLEAN SURFACES

(Beware of protruding nails, small rocks, sharp edges and narrow planks/beams)

Remember, when lifting or moving flooring rolls:

- a. Rolls of vinyl flooring are heavy, awkward and slippery.
- b. If two persons are working together, one gives clear commands.
- c. Lift weight correctly with bent knees and a straight/vertical back.
- d. To manually lift a lying roll off the floor onto a trolley:
 - Do not have a bad, injured or weak back or a like precondition.
 - If the roll is 3m or more in length, only lift one end of the roll at a time.
 - First test the weight of the roll for your strength and grip.
 - If you believe you can lift it, get a good grip, pull your stomach in, straighten your back to vertical, lift with your knees, and drop it immediately if it is too heavy to complete the lift.
 - Don't try to stop or catch a falling roll.
 - If loading a roll onto the trolleys from the floor, lift one end of the roll as described above and have an assistant place the trolley either mid way for a 2m roll or a trolley at each end of a 3m or 4 m roll.

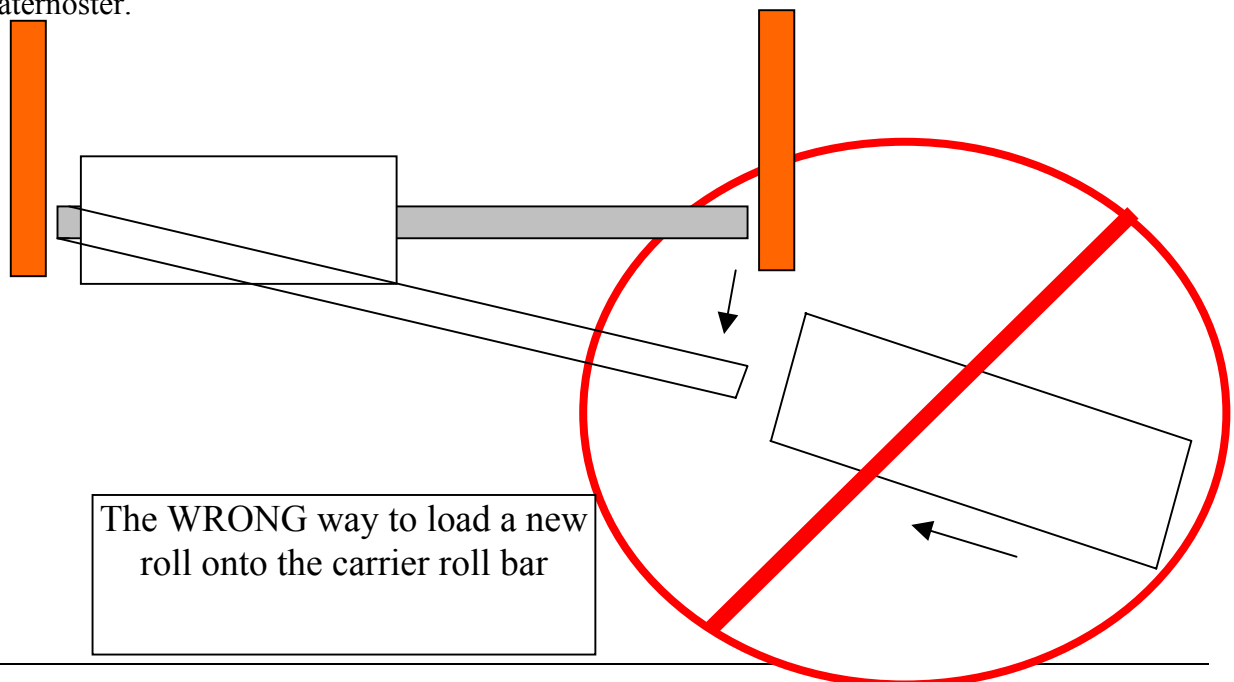


AVOID INCORRECT ROLL LOADING

Do not disconnect only one end of the roll carrier pipe from the left or right carrier pin set into the load chains.

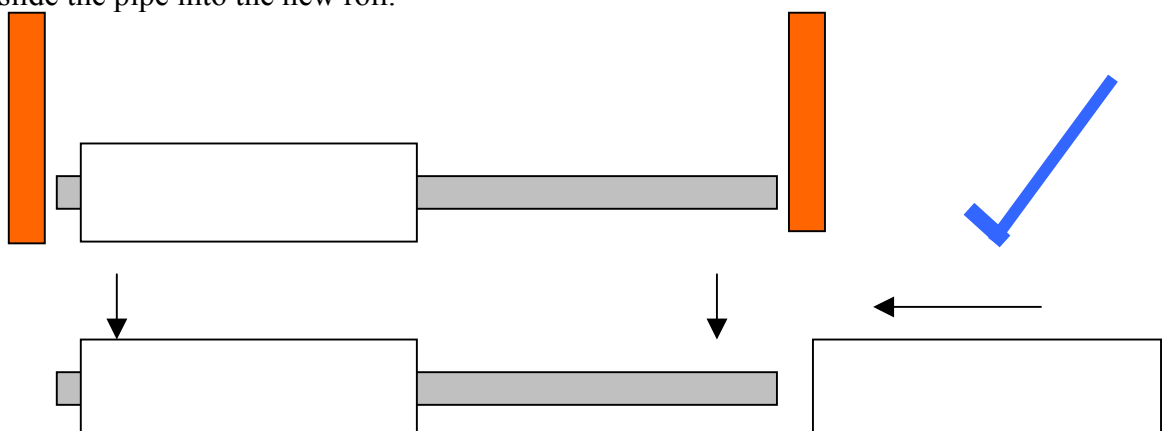
By wrongly disconnecting only one end and bringing the carrier pipe out from the paternoster, you create a powerful lever that can damage the machine.

The carrier pipe spigot at the still connected end can twist and deform / open-up the carrier pin cup so possibly enabling the spigot to come out of the carrier pin cup and the carrier bar to fall from the paternoster.



The Correct Way To Load A New Roll

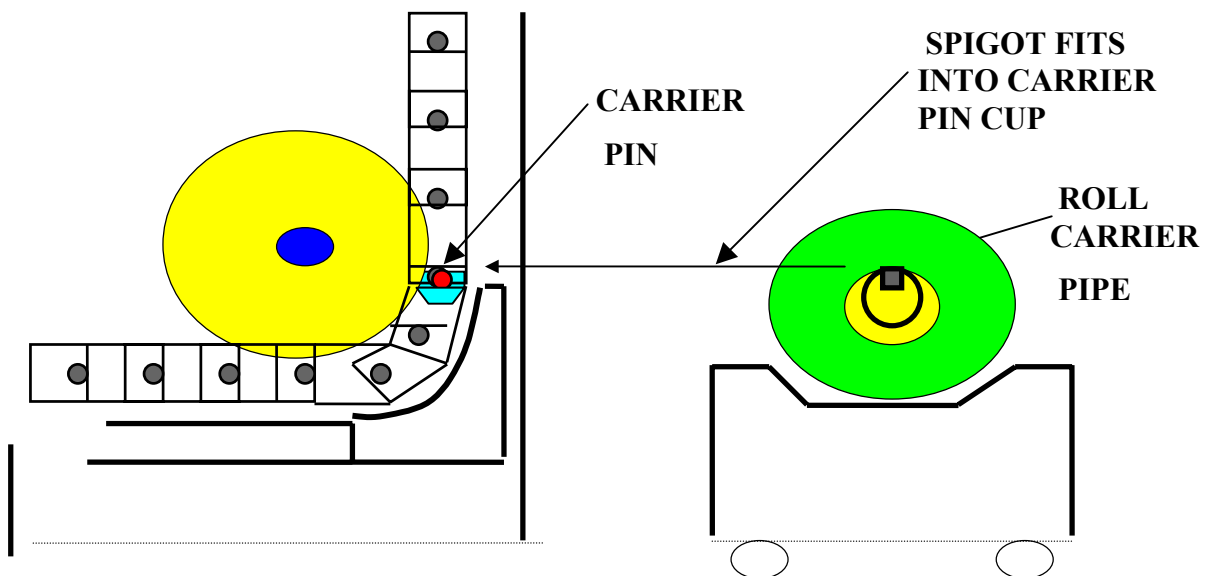
Bring the whole roll and carrier pipe straight out from the paternoster and slide the roll onto the pipe or slide the pipe into the new roll.





Loading Rolls

- Requires 1 - 2 people for a short period of time to load the rolls.
- One staff member must be the designated operator and give clear audible commands to assist staff before they activate the Paternoster.
- Lift off the cutting bar and place it gently on the ground to one side of the Paternoster away from the area required by the trolleys / roll.
- Load the roll of vinyl flooring onto two trolleys, one at either end of the roll.
- Place a black carrier beam through the core of the roll so that an equal amount of pipe comes out each side of the core.
- Ensure the leading edge flap of the roll is facing outwards from the machine.
- Position the trolleys / loaded roll in front of the machine.
- Operate the machine and bring the selected carrier pin position around so that it is at the same height as the black carrier bar spigot placed through the roll core.
- Turn off the machine and stand away from the operating buttons. Place the carrier bar spigots into the carrier pin clips ensuring the safety clip has “clicked” into place and the carrier bar cannot be removed.



- Turn the machine on, and operate the machine to **lift** the rolls off the trolleys. (**Ensure you lift the roll, not drive it down onto the trolleys**).
- Lift the loaded roll up approx 1m and ensure that it rides horizontally in the machine. Unload the roll and adjust a carrier pin on one load chain if the roll is not positioned horizontally. All rolls must run horizontally, do not operate the machine otherwise.

Remove the trolleys away from the front of the machine and store them where they cannot roll back into the machine.



Even Loading - Weight Distribution

It is important to have the weight of rolls evenly distributed around the load chains.

To ensure this may require the daily movement of rolls so as to reposition them. A tell tale sign of uneven loading is the motor noise being audibly louder / a deeper pitch as it lifts a section of stock and then goes quiet when that section is going down.

When loading the rolls initially follow this sequence:

1. Load a roll into every 4th carrier position
2. Go forward 2 positions and load into every 4th carrier position.
3. Go forward 1 position and load into every 4th carrier position.
4. Spread the load of the balance of stock.

*4	*1	*4
*2		*2
*3		*3
*1		*1
*4		*4
*2		*2
*3		*3
*1		*1
*4	*2	*3

Note: When unloading the machine it is important to follow a similar sequence so as to keep the weight evenly spread around the chain.

Do not allow the machine to be more than 15 - 20 % out of balance otherwise the overload switch may be activated.

Do not load the rolls so you have any of the following occur:

- All the rolls of the same width in the same section
- All full rolls in a section
- All part rolls in a section
- All rolls of similar weight in same section

It is important to evenly spread the rolls so the weight is evenly dispersed around the load chain.

To unload rolls, reverse the loading procedures.



The roll carrier bars are rated to take the following maximums:

250 kg Roll weight, 65cm roll diameter,

Roll width: total of 4 m (eg 2 x 2m) for the 4m machine or 2m for the 2m machine

Paternoster - Roll Spacing:

The machine can be operated with a variety of roll diameters (sheet vinyl or carpet products), but it is important to maintain a sufficient gap between each roll placement so as to ensure the clear rotation of the rolls during operation.

The following minimum gaps between rolls should be followed:

Rolls 20cm - 55cm diameter require 10cm gap

Rolls 60cm diameter require 15cm gap

Rolls 65cm diameter require 20cm gap

In putting wide width carpet flooring rolls on the paternoster, it is necessary to increase the spacing between the rolls. Normally a carpet roll uses 1.5 vinyl flooring spaces.

Vinyl Flooring Rolls:

1.2mm - 1.4mm thick x 40 lm have a diameter of approx. 30 - 35cm when new.

The spacing between the vinyl flooring rolls is normally 3 link holes - so a roll carrier bar is placed every 4th link hole.

3mm - 3.5mm thick x 30 lm have a bigger diameter approx. 35 - 40cm when new.

The spacing between the vinyl flooring rolls is normally 4 link holes - so a roll carrier bar is placed every 5th link hole.

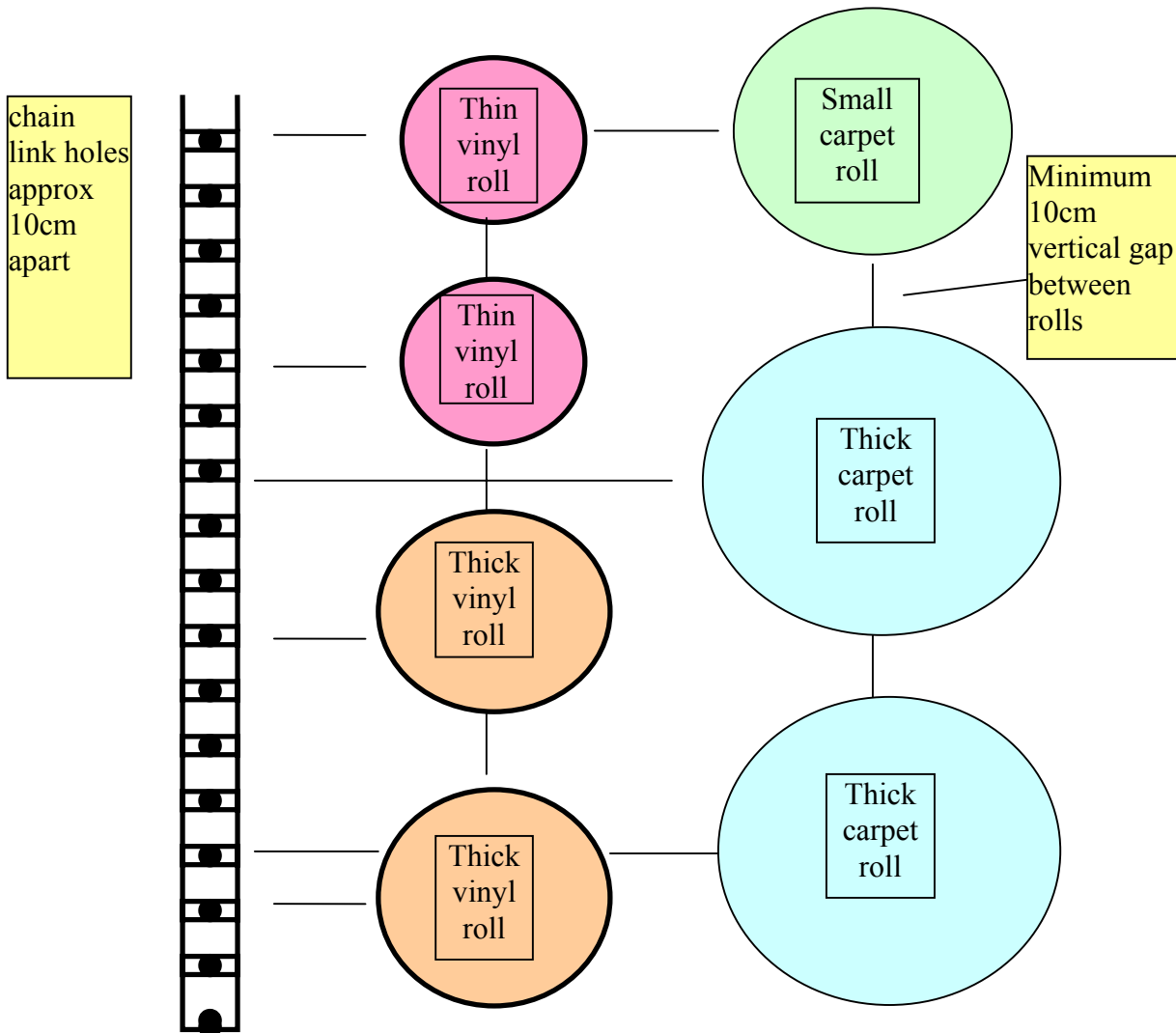
Carpet Flooring Rolls with vinyl flooring rolls:

Carpet flooring rolls with a material thickness of approx 4 - 5mm have a diameter of approx 40 - 45cm when new.

The spacing between these rolls is normally 5 link holes - so a roll carrier bar is placed every 6th link hole.

Carpet flooring rolls with a material thickness of approx 6 - 9mm have a diameter of approx 50 - 60cm when new.

The spacing between these rolls is normally 6 link holes - so a roll carrier bar is placed every 7th link hole.



Contacts

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