



CONVEYOR BELTS 3.5 & 4.4 & 5.4 METRE MACE INDUSTRIES - SHIFTA SAFETY INSTRUCTIONS

APPROPRIATE SAFETY EQUIPMENT



NEVER USE WHEN UNDER THE INFLUENCE OF ALCOHOL OR DRUGS, OR IN ANY CIRCUMSTANCES WHICH COULD LEAD TO DANGER.

NEVER ALLOW CHILDREN TO OPERATE THIS MACHINE. ALWAYS KEEP ANIMALS AND CHILDREN OUT OF THE AREA IN WHICH THIS MACHINE IS BEING USED. ALWAYS WEAR THE APPROPRIATE SAFETY EQUIPMENT: HARD HAT, SAFETY BOOTS, GLOVES, FACE MASK, EAR DEFENDERS AND SUITABLE CLOTHING.

ONLY PEOPLE FULLY TRAINED IN THE SAFE OPERATION OF THIS MACHINE SHOULD BE ALLOWED TO OPERATE THIS EQUIPMENT. ALWAYS MAKE SURE YOU HAVE READ AND FULLY UNDERSTOOD THIS LEAFLET BEFORE OPERATING THIS MACHINE.

Description: 110 Volt 3 phase motor - Lightweight portable aluminium construction with reinforced steel sides - Rubber ridged belt - 4.4 Metre length AND 3.5 Metre lengths available - Heavy duty hopper as standard Mace Industries, manufacturer of the unique Bumpa loading machine are pleased to introduce the SHIFTA range of portable conveyors for rubble, aggregate, soils etc: Lightweight aluminium construction, easily maneuvered by 1 man, 2 speed motor, deep ridged chevron belt, large hopper for bulk loading. Any load, any distance, up to 45 degrees incline.

Purpose and use: The shifta conveyor has been designed to transport solid (non liquid - non dangerous) material such as stone, sand, gravel, rubble and soil. The material being moved must be loaded responsibly and with skill by the operator, so that no damage is caused by overflowing material from the conveyors. A maximum of 4 conveyors can be linked per 5kva transformer by way of a 110v 16amp system. A large hopper is fitted on the feeding side of the conveyor and any subsequent hoppers used in series (chained) have small receiving hoppers as standard. Each conveyor is supported by its own legs which have wheels fitted as standard, these wheels allow easy movement of the conveyor by one person. Raising the end of the conveyor is achieved by the provided trestles to enable chaining of various conveyors:

Area of application: The shifta conveyors are designed to be used outdoor and indoors on building sites, cellars home diy projects, garden and landscape use, The conveyors are able to work in damp humid environments:

Deployment options:

The conveyor belts are separate from each other and can be deployed in series.

They must be deployed in a way that ensures they cannot shift.

The conveyor belt cannot be supported by the small hopper.

In the longitudinal direction they can be placed at any angle to the previous conveyor belt.

The conveyor belt must always be filled via the large hopper, i.e. items must never be filled directly onto the belt.

The conveyor belt must always be level in the width direction. This is to prevent the belt from slanting.

The rubber belt must be able to run unimpeded on the underside of the conveyor belt without touching the ground or any other obstacle.

Filling between rubber conveyor belt spaces must be absolutely avoided.

The conveyor belts cannot be placed on top of each other.

The conveyor belt sits on the ground on the filling side.
At the output side, the conveyor belt sits on a trestle chair.
The conveyor belt is positioned in such a way that the output of the material ends up in the small hopper.
The gradient depends on the type of the materials being transported and their weight.

Important - please read all of the information stickers on the machine carefully

Entry into use: each conveyor belt is supplied with a power cable that enables the user to connect the device to the 110v mains network



110v 16amp connection is made here by way of the supplied electricity- a standard 110v trailing socket is used

Starting the machine: The conveyors have two speeds and two directions Running speed slow 20 metres/min - - Running speed fast 28 metres/min speed changes are indicated by a turtle or a hare symbols on the control panel, press the switch once to change the speed of the unit to fast or press again for slow. depending on what type of material is used will determine how fast your conveyor is required to operate depending on material spillage.



The directions are indicated by the arrows on the control panel which is situated on the side of the unit. once power is supplied to the unit the middle button (stop switch) will be solid red, if a problem has occurred this button will flash red which indicates a reset is required, the reset is achieved by pressing the centre red button once, the directions are changed once pressed, so REVERSE to the left and FORWARD to the right. if you need to change direction during an operation, turn the unit off by pressing the middle red button before changing direction of the conveyor, (if the machine is not stopped before the direction is changed - damage will occur to the motor)

Note - if the conveyor belts do not start when the button is pressed - contact Mace Industries



Emergency stop systems: In the event of an emergency the unit can be stopped by way of pressing the red stop buttons sited on both sides of the machine.

In the event of an emergency stop being activated the unit will stop dead.

To reset the red stop buttons turn to the right and the mushroom button will pop out and the stop system is now reset.

To restart the conveyors you must follow the procedure as detailed above



Wheel locks: Ensure the wheel locks are on before using the conveyors, this will prevent the units from moving if used on a slope.

This can be achieved by using the lever in a downward action, which clamps the brake cup onto the tyre.

To remove the wheel locks simply pull up the lever.

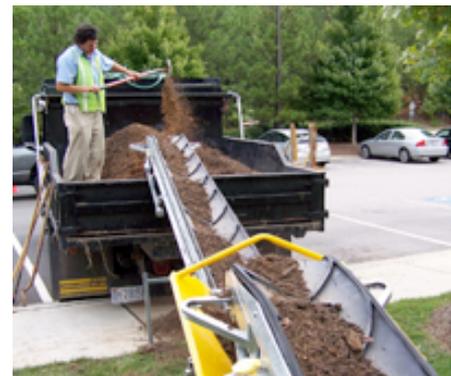


Fitting the hoppers:
Align the hopper slots on both sides so they line up with the domed pins, then push home until the slot is filled. see image on the right which shows the correct fitting. Extension to hoppers simply sit on top of the fixed hopper.



Chaining:

Chaining can be conducted when moving material over large areas of ground, such as from cellars or across trenches or obstacles this is undertaken by linking the power leads and utilising the trestle chairs as provided and is detailed in the pictures below...



Safety instructions: To ensure safe, correct use of the machine, you must read this text thoroughly in advance.

Do not allow the conveyor belt to be used by minors or unauthorised persons.

Keep other people at a distance and never leave the conveyor belt unsupervised.

Children or anyone else can never 'hitch a ride' on the conveyor belt in any circumstance.

Only use the conveyor belt for materials that are not harmful or dangerous.

Never transport materials that could adversely affect or damage the conveyor belt.

Load the material on the conveyor belt in a way that ensures nothing can fall off over the side.

Start the conveyor belt unloaded to prevent the safety devices from switching off the power.

The conveyor belts can be set up behind each other. Connecting leads are used for coupling. Ensure that these cannot be damaged or dragged along. During set-up prevent electrical parts from being able to slip underwater. Connect a maximum of 3 conveyor belts electrically on a 5kva power supply. Use extension leads (minimum 2.5 mm²) with an earth and always roll them out in full.

The conveyor belts can only be deployed at an angle in the longitudinal direction. In the width direction they must always be level to prevent the belt from slanting. The gradient is limited by the type of material being transported and its weight. The conveyor belts can also be deployed in a falling line.

Always ensure that the power supply is equipped with a differential switch and an earth leak switch. The conveyor belt is activated by using the green start buttons. The red button halts the belt on the conveyor belt whose red button is pressed as well as the following conveyor belts. After the electricity is switched off, the machine is to be rinsed with a water hose and thoroughly cleaned.

Cleaning brush fitted to all conveyors as standard- This reduces build of of spoil



Stand to fit the base feed area of the machine will allow the unit to work on angles of 50 degrees



Greedy Hopper extensions are available to enable large loads to be moved



Trestle chair supplied with all conveyors to allow chaining

