

# PowerAttack

® Made in Germany

## **OPERATING MANUAL** **FOR PowerAttack MTC 30 CC**

(MTC 30 CC = **M**aximum **T**owing **C**apacity **30** Tons/**C**ordless-**C**ompact)  
Please read these instructions before you start work  
with PowerAttack

## **TABLE OF CONTENTS**

<b>CHAPTER</b>	<b>PAGE</b>
01 General	2
02 Work Principle	2 - 3
03 Scope of Delivery	4 - 6
04 Operating PowerAttack	7 - 9

## 01 GENERAL

Thank you for your purchase of PowerAttack.

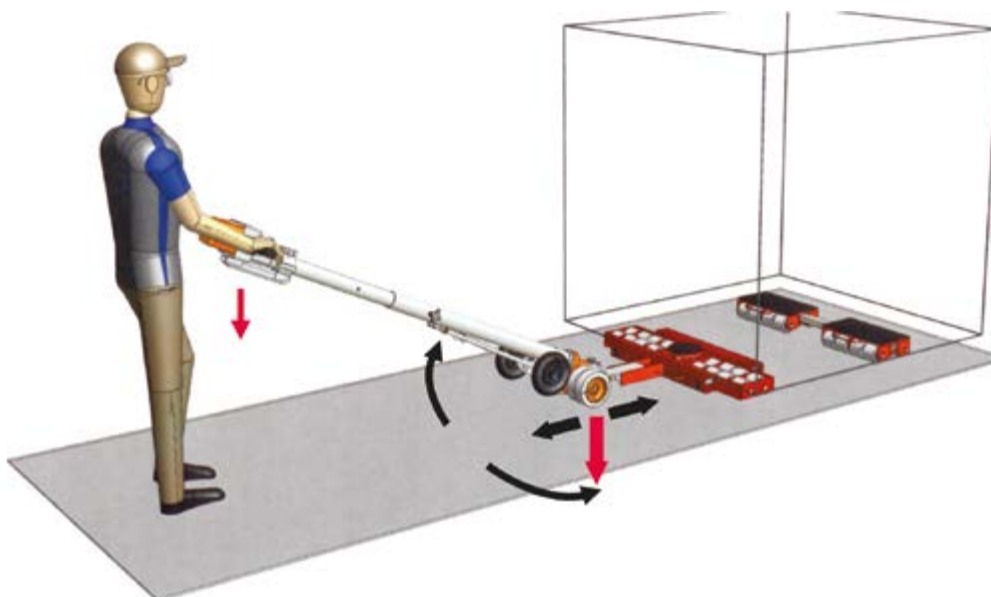
This machine has undergone rigorous in-the-field testing by professional riggers for more than 3 years. It is intended to be used instead of a forklift-truck to push and pull loads on unpowered skates up to 25 metric tons/55.000 lbs on even, flat industrial floors such as concrete, asphalt (tarmac) or industrial floor pavement.

## 02 WORK PRINCIPLE

The work principle of PowerAttack is „**Leverage**“ and „**Traction or Grip**“.

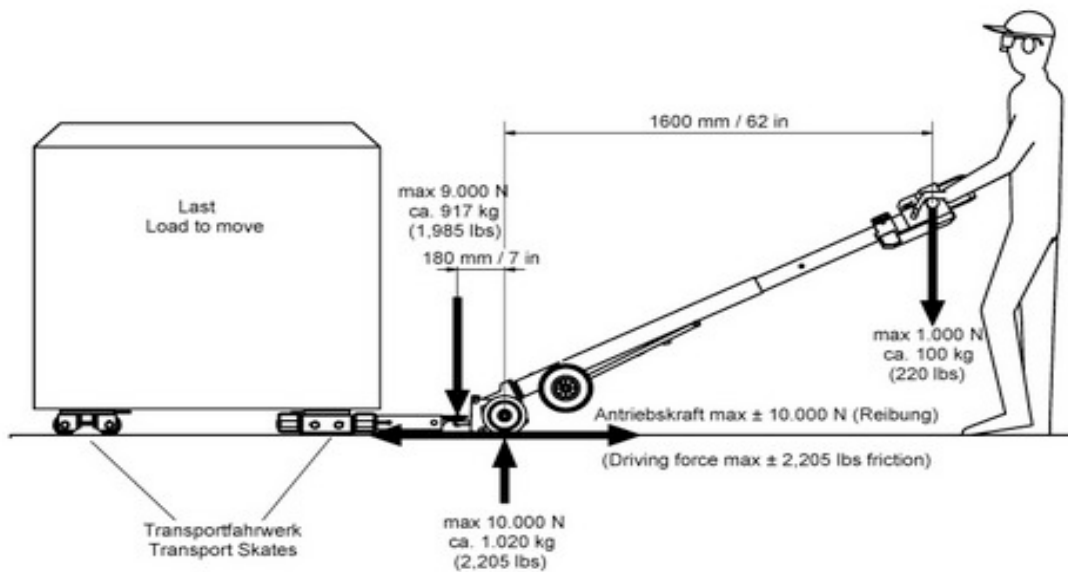
A downward force on the control-lever is magnified by leverage to push the drive wheels on the floor and simultaneously propel them forward or backwards to move the load on the skates. The floor should be flat, even, and free of dust and debris to allow good traction of the drive wheels. Sometimes, it can be helpful to clean the drive wheels with a damp cloth or brake cleaner to wash off grease or oil and to improve traction.

The graphic chart below shows the work principle.



Please consider and respect maximum forces on the control lever as well as on the Docking-Head.

### PowerAttack Work Principle



#### **WARNING:**

Before working with PowerAttack, please make sure that only professional and trained, skilled people operate this equipment.



#### **WARNING:**

Before moving loads make sure to have sufficient space around you and the machine and that there are no workers between the machine and any obstacles (wall, other machine, column or others).



#### **WARNING:**

Make sure that the load you want to move on skates is secured before and after movement by hardwood wedges to prevent from uncontrolled rolling.



#### **WARNING:**

PowerAttack is designed to move loads on level, even floors.  
 You are never to use PowerAttack on slopes or grades.

## 03 SCOPE OF DELIVERY

POS	NO	TITLE	VERSION
01	1	PowerAttack	MTC 30 CC
02	1	2-wheel aux trolley, folding with magnets	
03	1	Height adjustable docking head	
04	2	Adaptors to connect to steerable skate	
05	2	Batt Pack with 1 ea. Charge-unit	

---

### POS 01: PowerAttack MTC 30 CC in Transport position

---




---

### POS 02: Aux Trolley

PowerAttack is delivered with a 2 wheel aux trolley to have easy rolling and handling to site. It is connected without screws and bolts and connects and holds via magnets. See detail shots below.

---



Aux trolley in position



Inserting aux trolley



Folding aux trolley

**POS 03: Docking Head/Load Toe**

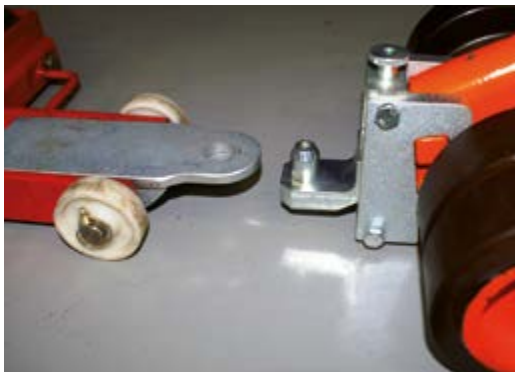
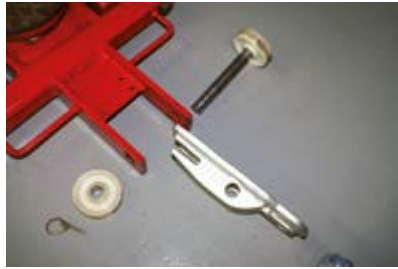
The Docking head is attached to the 4 eyes and can be height-adjusted by spindle to allow proper working height and to adapt to different skates.



**POS 04: Adaptor to connect to steerable skate**

See the 5 pics below to illustrate how to connect with the adaptor to the steerable skate. The tow bar has to be removed first!

After connecting the adaptor to the skate, the aux trolley can be folded and turned under the tube where it is held magnetically.



Bolt and adaptor  
 Steerable skate, adaptor and PowerAttack



PowerAttack connected to steerable skate

**Additional Adaptor – see pics below!**

An additional angle adaptor is provided to help push loads when height of machine is higher than reachable by d' standard adaptor. To apply, unscrew the bolt and fix the angle with the screw provided. Then the bolt can also be fixed again – see photos!



**Please note:**

Put the steerable skate in the centre of weight to have best load induction to the skate and subsequently to the adaptor and PowerAttack.

PowerAttack with folded aux trolley moves a 15 to machine on transport skates.



**POS 05 + 06: Battery Pack with charge-unit**



## 04 OPERATING PowerAttack

To operate PowerAttack MTC 30 CC it is equipped with a tiller unit, similar to that of an electric pallet jack.

At the bottom you find the lock to insert the **key** for ON-OFF function, the operation is done by the orange colour rocker switch for forward- backward movement.

To operate PowerAttack MTC 30 CC it is equipped with a tiller unit, similar to that of an electric pallet jack.

At the bottom you find the lock to insert the key for ON-OFF function, the operation is done by the orange colour rocker switch for forward- backward movement.

If rocker switch is moved upwards, it means "Forward", if it is turned downwards, it means "Backwards". The more you turn, the more speed you generate.

The "Forward" or "Backward" Motion can be interrupted with the **red Emergency button**.

When moving backwards and hitting „Emergency“ means „Stop“ and automatically moves about 30 cm/10 inches forward again.



Tiller unit with orange colour rocker switch and (centre) red Emergency Button.

### NOTE:

Always turn-off key when not working to avoid stand-by battery consumption.  
And as safety precaution.



**WARNING:**

When operating, always make sure that no persons are within the working radius of the unit and load.

Depending on the weight you want to move you have to apply a downward force on the tiller unit to control traction/grip. If the downward force is not sufficient, you can extend the lever 2 times by 25 cm/10 inches. To do so, the lateral screw is to open, extend to desired position - watch the marks -



**WARNING:**

Always make sure to telescope to marked position on tube. Then fasten screw and turn tight! See pictures below!



Marks for telescoping



Screw for extension/ telescoping

**Instructions on how to use the BatteryPacks:**

The 2 BatteryPacks are labelled **AkkuPack 1** and **AkkuPack 2**.

We recommend to have one unit in the PowerAttack the other unit is stand-by or in the charge-unit.

To insert the BattPack you have to extend the tube to have sufficient length and then insert the battery by watching the leads.

Same procedure applies when changing the battery. Just extend the tube, take the battery out and insert the charged unit.



To charge the battery, just insert in the charge-unit.

The charge-unit has 110-240 Volts automatic adjustment to different voltages and can be charged in any country.



Charge-unit with separate battery



Inserted battery in charge-unit

---

## GENERAL INFORMATION FOR THE BATTERY AND CHARGE-UNIT

---

The BatteryPacks are made of Lithium-Polymer and do not have the so-called „Memory-Effect“.

The BatteryPacks have an integrated circuit to protect and supervise

- + each cell
- + to protect against low voltage
- + to protect against high voltage
- + to protect against short-cuts
- + to protect and balance each cell towards the others

The charge-unit is based on VDE O100 and generates a max. charge voltage of 29 Volts.

During charging- the LED shines RED, when charging is complete, the LED shows GREEN.

**Please work carefully and respect the safety instructions below!**



**WARNING:**

Before operating, make sure that the locker screw at the tube is fastened.



**WARNING:**

Always respect general rules of caution and safety!

---

**COMMENTS AND HINTS FOR IMPROVEMENT ARE ALWAYS WELCOME AND SHOULD BE SENT TO:**

---

sales@spacepac.com.au  
phone 1300 763 444



**Authorised signatory**

---

**Date**

**GB: EU Declaration of Conformity**

The undersigned hereby declare that the powered industrial push/pull device described below in detail complies with the European Directives 2006/42/EC (Machinery Directive) including amendments as well as the legislative decree to incorporate the directives in national law. The signatories are in each case individually authorized to compile the technical documents.