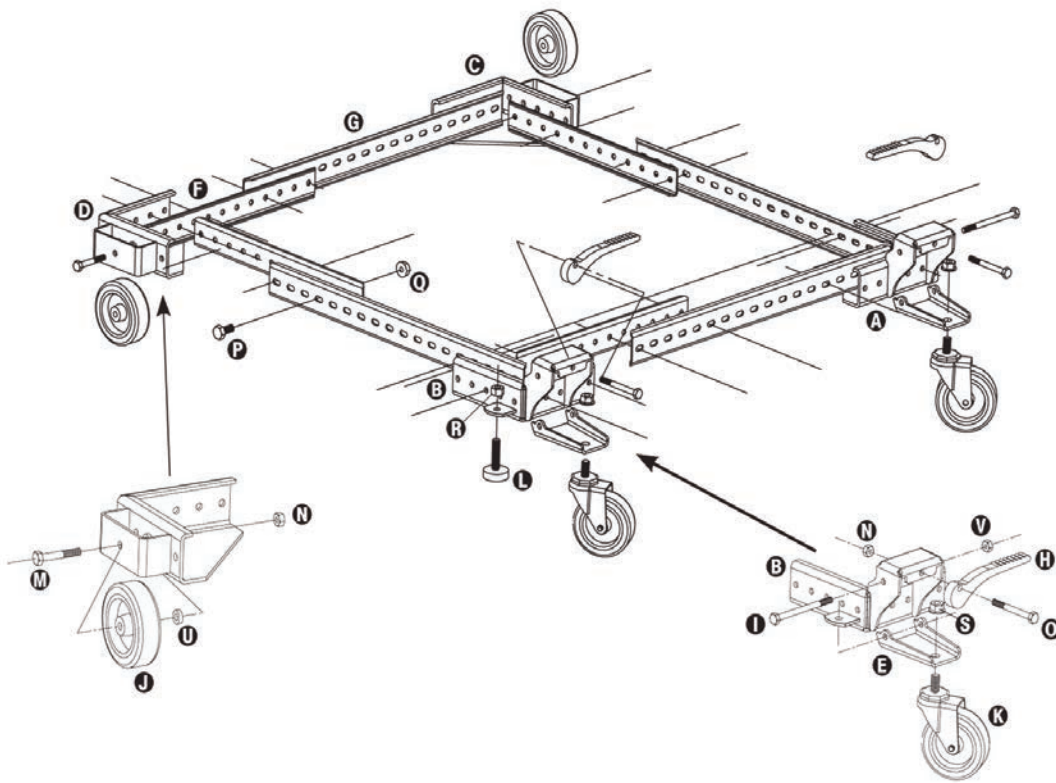


Charnwood

Woodworking machinery at its best!

UNIVERSAL WHEEL BASE ASSEMBLY INSTRUCTIONS

MODEL: W520



Parts List

No.	Description	Quantity
A	Corner Bracket (front right)	1
B	Corner Bracket (front left)	1
C	Corner Bracket (back right)	1
D	Corner Bracket (back left)	1
E	Swivel Plate	2
F	Side Rail 300mm	4
G	Side Rail 450mm	4
H	Foot Lever	2
I	Bolt 80mm long	2
J	Wheel 75mm diameter	2
K	Caster	2
L	Rubber Foot	2
M	Bolt 45mm long	2
N	Self Lock Nut	4
O	Bolt 55mm long	2
P	Bolt 20mm long	24
Q	Flanged Nut	24
R	Locking Nut	2
S	Flanged Nut	2
U	Nylon Wheel Bush	2
V	Self Lock Nut	2

Specification

Minimum Square Size	300mm x 300mm
Maximum Square Size	900mm x 900mm
Maximum Rectangle Size	500mm x 1300mm
Maximum Weight Loading	220Kg

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Safety Instructions

- i) Place the base on a level surface and adjust the rubber feet to level the base before mounting your machine. This will keep the machine from rocking while testing it for stability.
- ii) Test for stability in both the raised (portable mode) and the lowered (stationary mode) positions. Exercise caution when testing the stability of top heavy machines such as Pillar Drills and Morticers.
- iii) Unplug any electric machine before moving or repositioning the machine.
- iv) Always test your set-up for stability and safety after repositioning.
- v) Care should be taken when planning the orientation of the machine onto the Universal Wheel Base. When the machine is raised, the steering end will be lifted 30mm higher and therefore the machine will be tilted at an angle. When positioning a machine take advantage of the centre of gravity and position so that it will remain stable while on the casters. The heaviest end of a machine should be at the fixed wheel end.
- vi) Never use the machine while it is in the raised (portable mode) position. Always lower the machine before operating.
- vii) When repositioning the machine, always push on the base and not the machine itself.
- viii) Do not exceed the maximum weight load of 220Kg.

Assembly Instructions

Tools Required 10mm, 11mm & 14mm Socket, 16mm Spanner and Tape Measure.

- 1) Unpack and identify all the components and hardware. Make sure there are no missing parts and that there is no shipping damage.
Note: Read the Instructions thoroughly before proceeding.

- 2) Carefully measure the footprint of the machine you are going to mount and add about 20mm to the dimension for clearance. (The base is adjustable in 25mm increments)

- 3) Carefully review the assembly examples shown opposite to help you determine the most suitable orientation for the front corner brackets. As these are examples only you can determine what best suits your particular machines requirements for stability.

- 4) Select and arrange the corners and side rails as necessary to assemble the base to your machines footprint.

- 5) Assemble the fixed wheels.

From the outside of the Corner bracket (C&D), insert a 45mm long bolt (M) through the bracket, through the Wheel (J), through the white Nylon Wheel Bush (U) and secure with a Self Locking Nut (N).

- 6) Assemble the castors.

Screw in the Rubber Foot (L) and use the Locking Nut (R) to set and lock the height. The end of the rubber foot should project the same amount below the corner bracket as the fixed wheel.

Attach the Swivel Plate (E) to the Corner Bracket (A&B) using a 80mm long bolt (I) and secure with a Self Locking Nut (V).

Attach the Caster (K) to the Swivel Plate and secure with Flanged Nut (S).
Attach the Foot Lever (H) using a 55mm long bolt (O) and secure with a Self Lock Nut (N).
Ensure that the foot levers point towards each other whilst in the standing position to avoid a trip hazard.

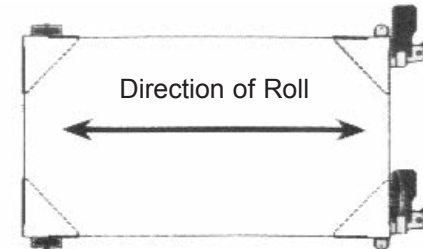
- 7) Assemble the Side Rails.

The side rails can be assemble in a number of different ways depending on the shape of the footprint of your machine. There are eight Side Rails and they can be assemble with just one on each side or two on each side for roughly square footprints.
For rectangular footprints they can be assembled one on each end and either two or three along each side. Whichever configuration you choose use two securing bolts in each end of each rail. Use 20mm long bolt (P) and secure with Flanged Nut (Q)

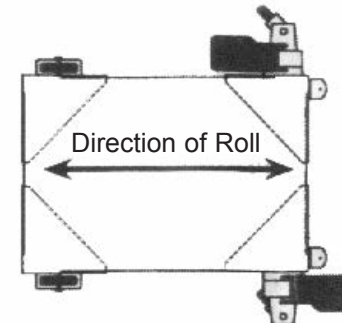
- 8) Lift you machine onto the wheel base. Get somebody to help you if the machine is heavy.

Assembly Examples

Your machine will be stable when down on the floor and when both foot levers are pressed allowing repositioning. However the stability must be considered when raising or lowering the machine as when only one foot lever is up and one foot lever is down the machine will be temporarily unstable due to one corner being raised higher than the other.



A long narrow base, such as a Lathe, will benefit from this arrangement with both foot levers on one end.



A short narrow base, such as a Morticer or Bandsaw, will benefit from this arrangement. The casters are in a wider position which reduces the amount of tilt during raising and lowering of the foot levers.