FRAMEX®

Multi-tasking WORKFRAME™ WF1100

Operating Instructions

Please read these assembly and operating instructions carefully before use.

Contents

This booklet has been prepared to assist you in the assembly and use of your **FrameX WF1100.** It is strongly recommended that you read and familiarise yourself with the assembly instructions as it is important that the unit is assembled correctly to ensure your safety and ease of use. It will also save you time.
Once read, this booklet should be kept in a safe place for future reference.

In line with our policy of continuous product improvement, we reserve the right to modify the design and specification of this product without prior notice.

Introduction

Thankyou for purchasing **FrameX 1100**.
Its rugged simplicity will give you years of trouble free use.

FrameX is a portable workframe and has been designed to be a multi-tasking tool that can be used to support and clamp all sizes of material and perform many types of job.

FrameX lets you work with all sizes of material without the need for a conventional worktop as all the support and clamping required is built in. Its patented, award winning flexibility makes it a revolutionary addition to your tool collection.

Providing two unique working positions with a choice of four working heights, **FrameX** enables you to work unhindered as never before in any of the three dimensions.

- Fully portable and folds flat in seconds to only 15.5cm.
- Weighs 13kgs.(15kgs with Clamping Boards)
- Fits into most cars for transportation.
- Adjustable in height, width and depth.
- 2 Unique working positions - 'Tip Up or Over'.
- 4 Working height options.
- 2 Built in SpeedClamps. (12cm jaws)
- 2 Built in Sash clamps. (55cm jaws)
- 2 Clamping Boards.
- Supports and clamps even the largest materials.
- 4 Adjustable feet with soft contact pads.

FrameX can be used for dozens of applications. Here are just a few of the more popular ones.....

- A full size permanent **or** temporary workbench or jobsite table for woodworking, engineering and all DIY projects.
- A machine and power tool stand.
- As a pair of trestles or sawhorses.
- A 'spot board' for plastering and building projects.
- A paint station for painting, decorating and as wall paper pasting table.
- A rugged temporary table for all outdoor events, parties, childrens activities and hobbies etc.

Assembly

There is a small amount of self assembly before you can start to use your **FrameX**.

Unpack the box and you will find:-

2 Speedclamp assemblies
2 Adjustable T Brace assemblies
2 Bottom Leg assemblies (labeled A and B)
2 Top Leg assemblies (labeled A and B)
2 Clamping Boards

And a bag containing:-

2 'C' Shaped Sliding Collars with Lobe Knobs
2 M10 Domed, Socket Head Axis bolts, nuts and steel washers
2 Large Nylon washers
2 M8 Domed, Socket Head bolts, nuts and washers
4 M6 Domed, Socket Head bolts, nuts and washers
2 Thrust Blocks
2 Special M8 Socket Head Screws (for Thrust Block fitting)
Allen key and combination spanner

Start by laying all the components out in front of you.

STEP 1. Refer to Fig.1

Select Top and Bottom '**A'** Leg assemblies and fit together at their axis points.
Note: Labels are positioned at these points to help you. Fit **A** to **A**.

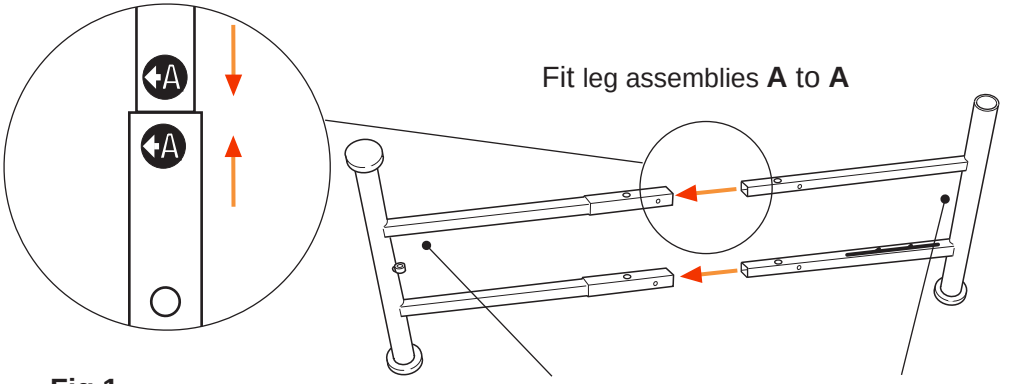
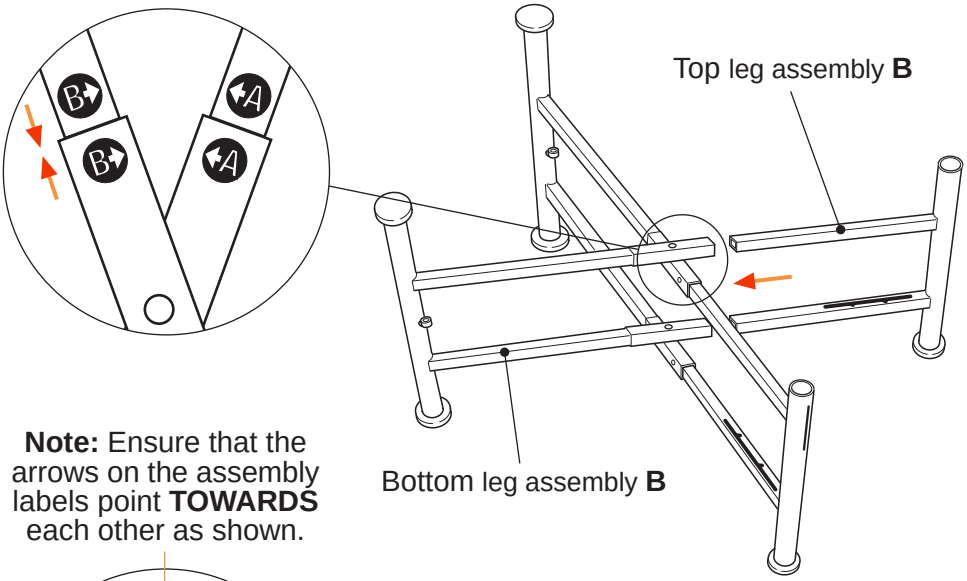


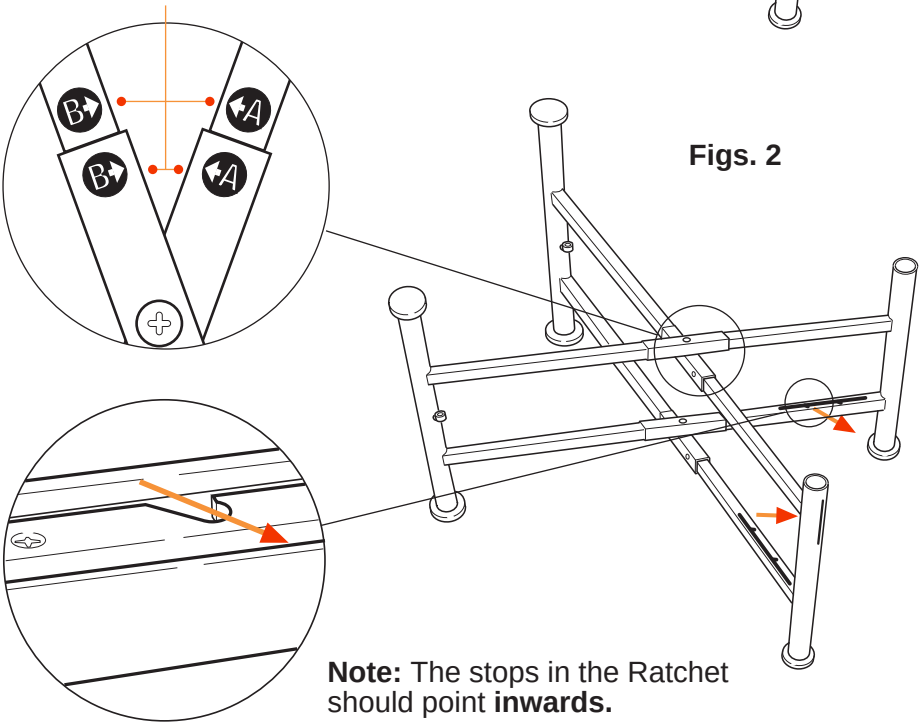
Fig.1

STEP 2. Refer to Figs.2

Now fit leg assemblies **B** to **B THROUGH** and **ABOVE** leg assemblies A-A at their axis points as shown.



Note: Ensure that the arrows on the assembly labels point **TOWARDS** each other as shown.



Figs. 2

Note: The stops in the Ratchet should point **inwards.**

STEP 3. Refer to Fig.3

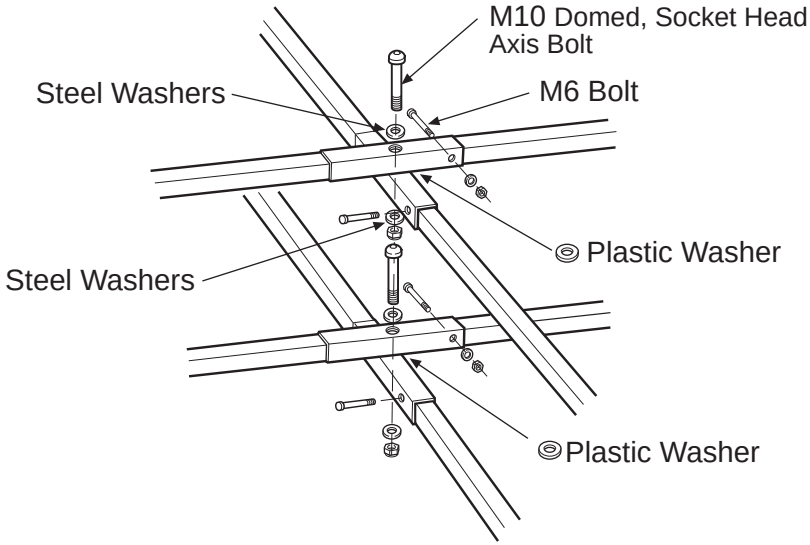


Fig. 3

Fit an M10 Domed Socket Head Axis axis bolt with a steel washer through the top join with one of the plastic washers between the two A and B Leg assemblies and repeat for the bottom join.
Loosely fit the M10 nuts and washers.

Fit the four M6 bolts then tighten both the axis bolts and nuts.
Note: Do not over tighten the axis bolts.

STEP 4. Refer to Fig.4

Select a 'T' shaped Brace assembly and position the top of the 'T' end of the Brace at an angle between the two Ratchets fitted to the square tubes on the Leg assembly.
Turn the Brace so that the 'T' end of the Brace becomes vertical and that both studs at the end now locate within the slots in the Ratchets.
(It does not matter where along the length of the Ratchet at this point.)

Pull the T Brace up or down the Ratchet until you can position its eyebolt alongside and **ABOVE** its corresponding eyebolt on the opposite leg assembly.
Fit an M8 Domed Socket Head bolt followed by a washer and nut through both eye bolts.
Repeat the procedure for the other T-Brace.
Note: Do not over tighten.

The Eyebolts in each T Brace have been set at their optimum position at the factory. Do not screw these in. (Refer to page 25 for any adjustment).

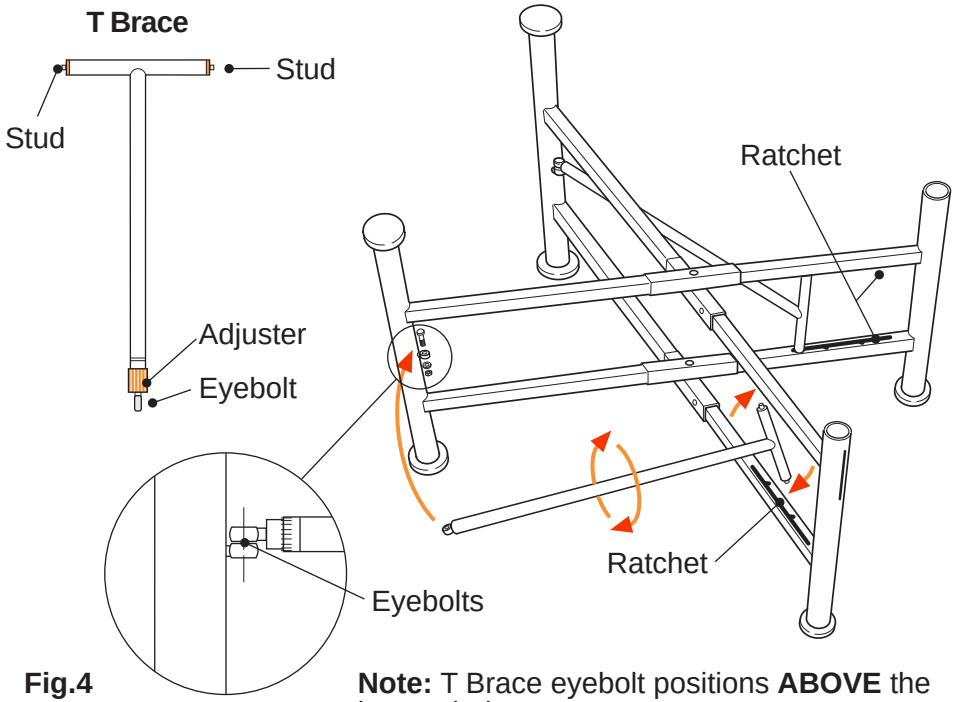


Fig.4

Note: T Brace eyebolt positions **ABOVE** the leg eyebolt.

STEP 5. Refer to Fig.5

Fit the sliding Collars onto the short legs before fitting the Speedclamp assemblies.

Note: If you forget, you can also do this by winding out the adjustable feet to their maximum travel and fitting the Collars from the other end of the legs.

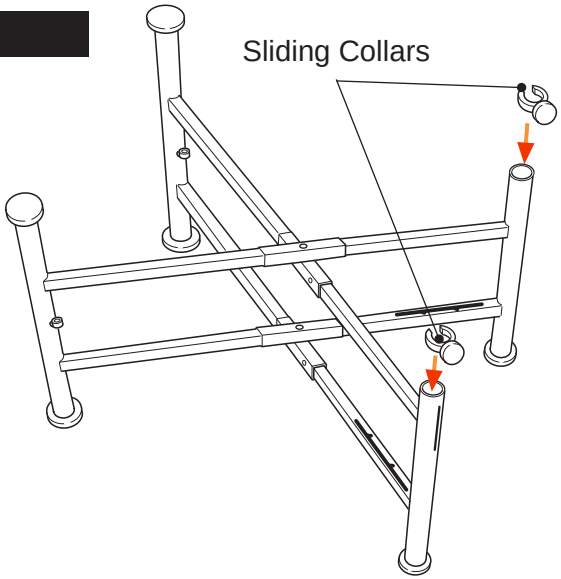
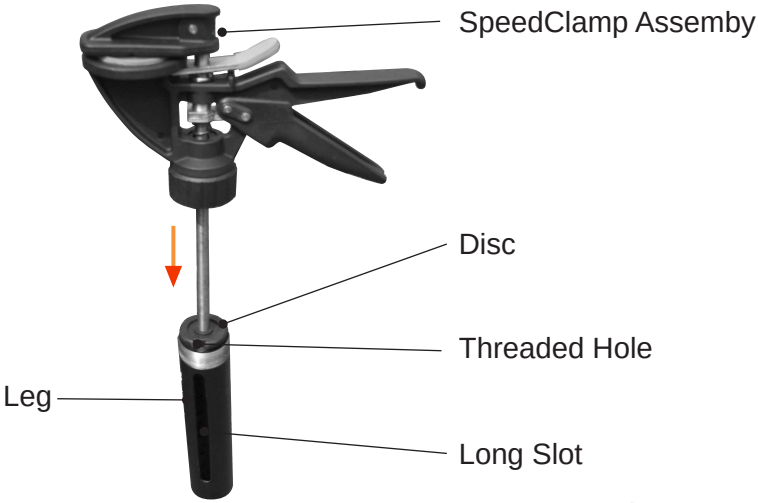


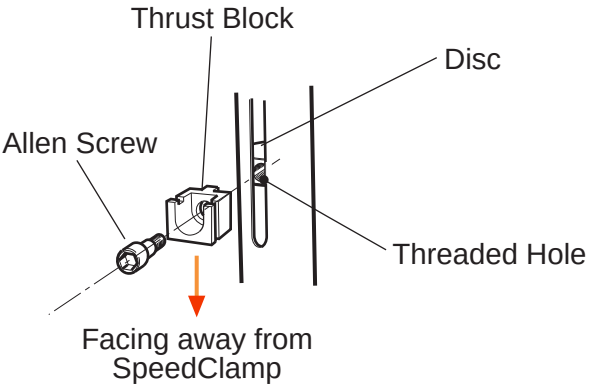
Fig.5

STEP 6. Fitting the SpeedClamps

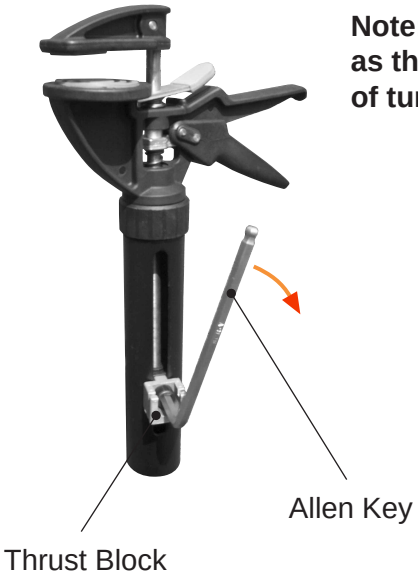
Select a Speedclamp assembly and insert the end with the disc squarely into the open end of the leg.



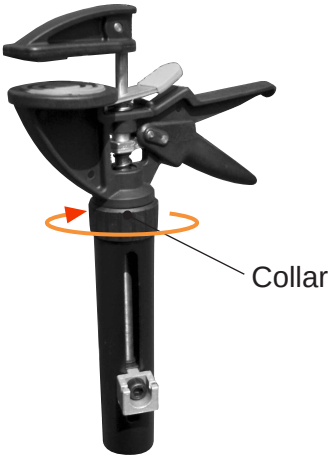
Ensure the threaded hole in the disc is in line with the long slot in the leg.



Push the Speedclamp down into the leg a short distance until it is possible to fit the Thrust Block with its M10 Allen screw through the long slot in the leg. **Note:** The flat face of the Thrust Block is to be fitted with its flat face pointing **AWAY** from the Speedclamp.

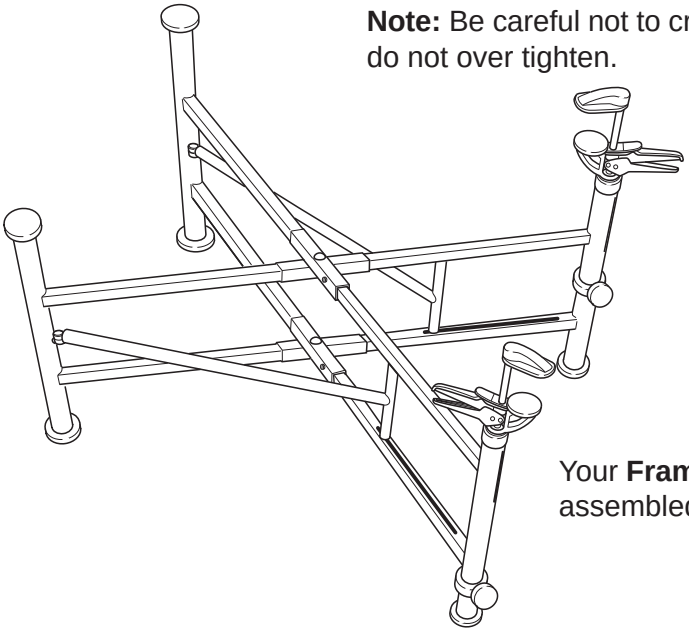


Note: Do not over tighten the Allen screw as the Thrust Block needs a small amount of turning movement.



Finally push the Speedclamp assembly down into the leg tube until it stops and carefully locate and turn the Collar onto the threads on the leg and turn in a clockwise direction until hand tight.

Note: Be careful not to cross the threads and do not over tighten.

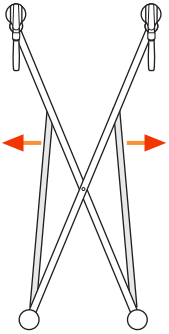


Your **FrameX** is now fully assembled and ready for use.

Using your FrameX

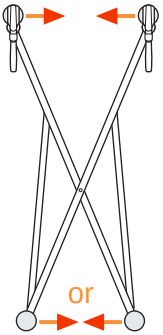
Adjusting the size in the Heavy Duty Position.

To open from the stored position or to adjust to a larger width, simply pull the two T Braces **outward** until the desired width is achieved.

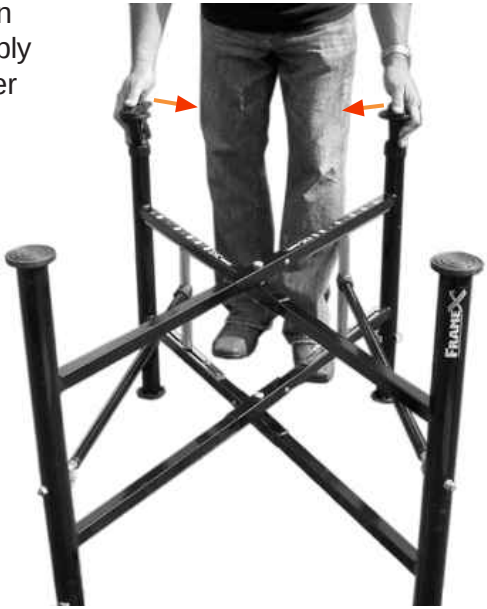


To deploy and increase the width.

To fold away to the stored position or to adjust to a smaller width, simply grasp the tops of two legs at either end and push together.



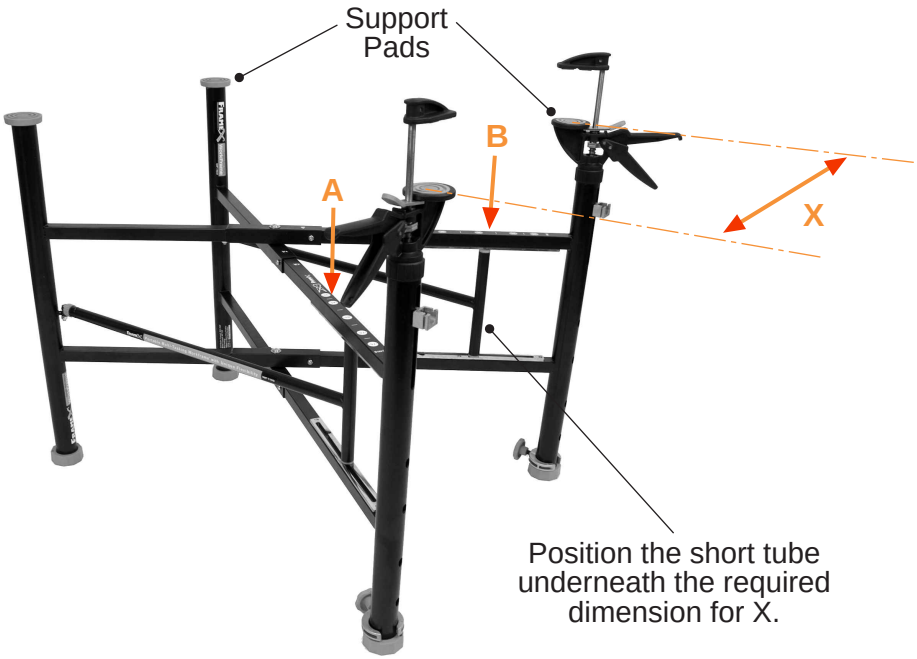
To fold away or adjust to a smaller width.



The Size Scales.

FrameX has been designed to help you manage and work with even the largest materials and workpiece sizes.
The four soft faced pads provide the support while two of these provide the clamping if required in the SpeedClamps.

Most standard board sizes can be accommodated even doors.
To help you to quickly and accurately adjust **FrameX** to the required size to support and clamp a particular material size, a pair of measurement scales are provided at **A** and **B** in centimetres and in inches.



Maximum material width at **X** = 78cms - 30 inches

Adjusting the distance apart of the legs will provide you with a quick reference to what the dimension is at **X** in centimetres at **A** and in inches at **B**.
So for example if you wanted to load a 60cm wide board into your **FrameX**, adjust the width of the legs until the shorter tube on the T Brace is pointing underneath the 60cm mark on the scale.

Using your FrameX

Loading a workpiece in the Heavy Duty Position

Once you have determined the width of the material you wish to work on and adjusted the width of your **FrameX** to accommodate it, rotate both Speedclamp support pads so that they face each other.
Note: The length of the material must be at least 1 metre long to be able to be supported in all four places in this position.
For shorter or narrower workpieces use the light duty position.

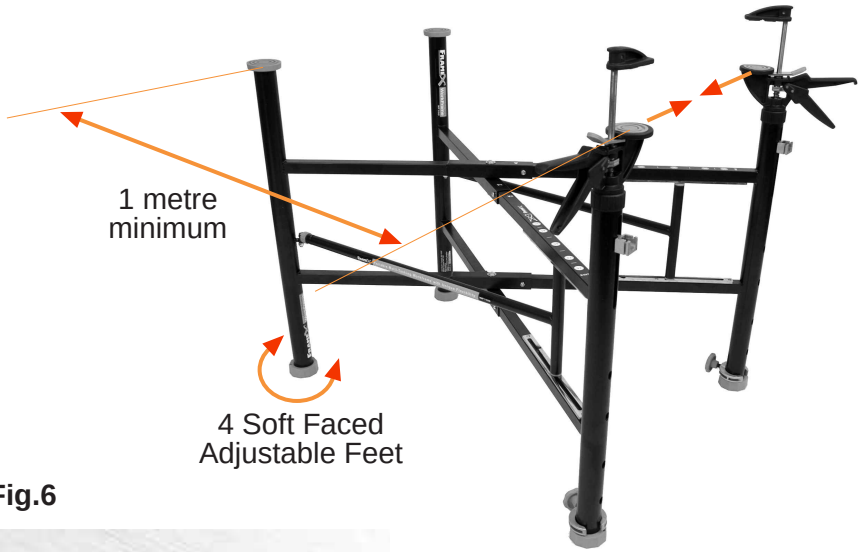


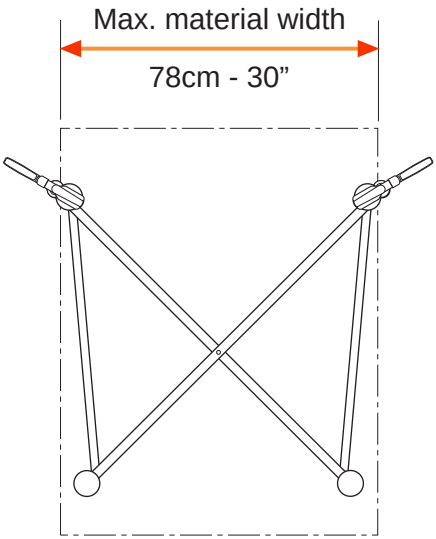
Fig.6

The Top Clamp

Rotate both Top Clamps out of the way, see Fig 6**,** then load the material evenly onto all four support pads.

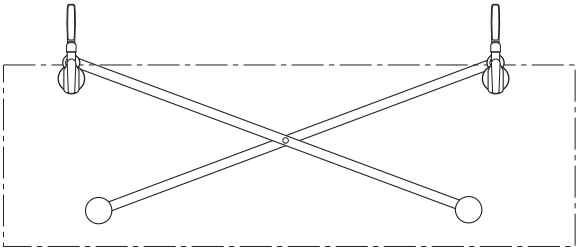
Note: Your **FrameX** can safely accommodate suitably rigid material lengths of up to 2 metres.
For longer material lengths please visit our website to view our other models and accessories.

Once the material is loaded into place, rotate the Top Clamps back over the material. Push each Top Clamp down onto the material and squeeze the SpeedClamp triggers to clamp the material in place.



If you use your **FrameX** exclusively in the Heavy Duty position you may consider removing the two T Braces assemblies which will allow you to clamp the workpiece along its length as shown.

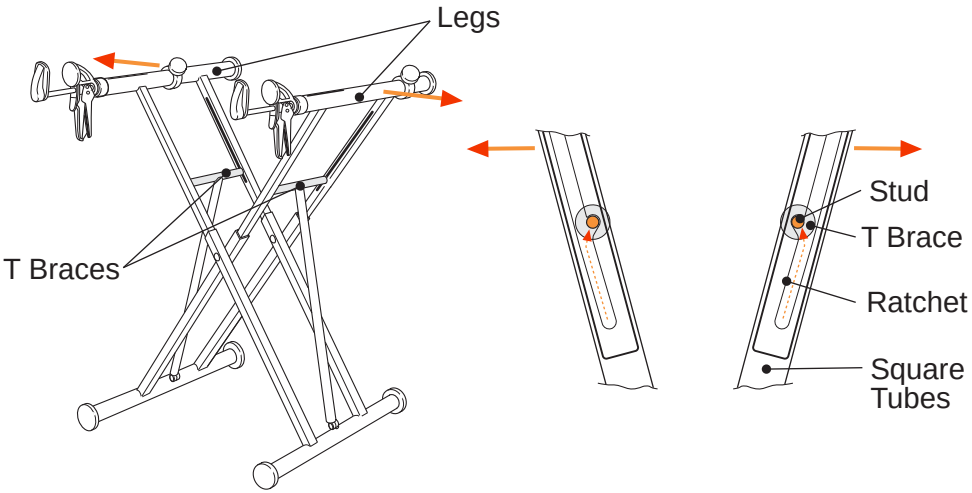
Note: You will have to refit the T Braces if you wish to use your **FrameX** in the Light Duty Position.



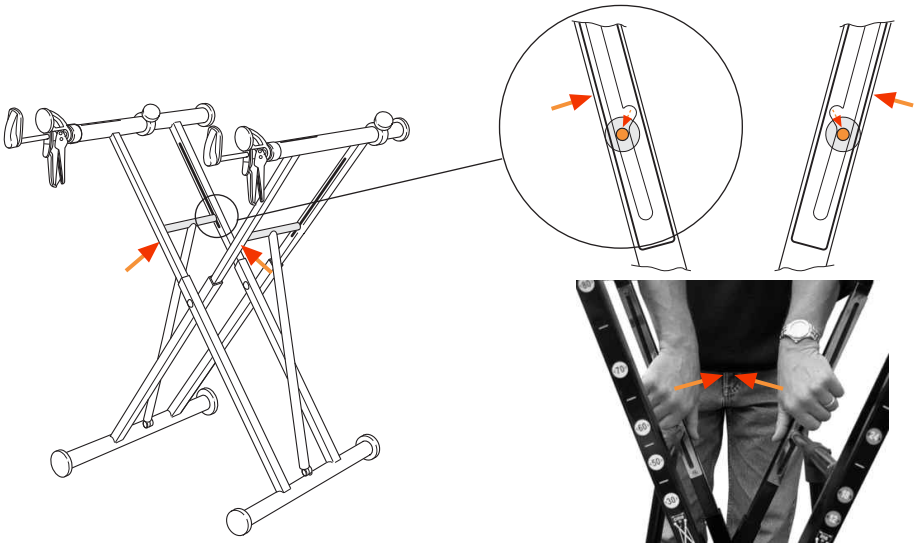
For your added convenience all four feet are height adjustable to eliminate uneven ground surfaces and feature soft contact pads to prevent slipping and marking of delicate floor surfaces. Simply rotate each foot in or out if necessary to enable full ground contact. For a very uneven ground surface, move and/or rotate the whole **FrameX** to find the optimum level surface.

Using your FrameX

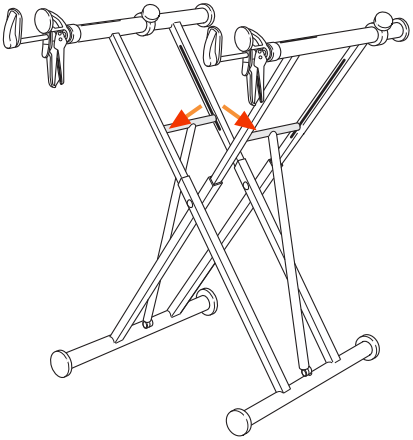
Adjusting the height in the Light Duty position.
From the stored position simply move the legs apart until the first stop (height position1) is reached. This is the first of the three height options.

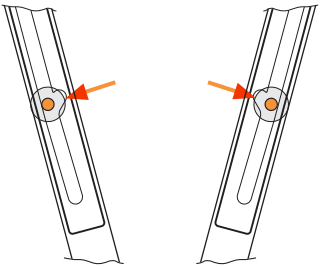


To lower to the next height (Position 2), you will need to remove the pre load safety feature built into your **FrameX**.
Place your fingers on the underside of the square tubes at the end of the T Brace nearest you and push together slightly (as if you were closing it up again) which will dis-engage the studs in their stops on the Ratchet.

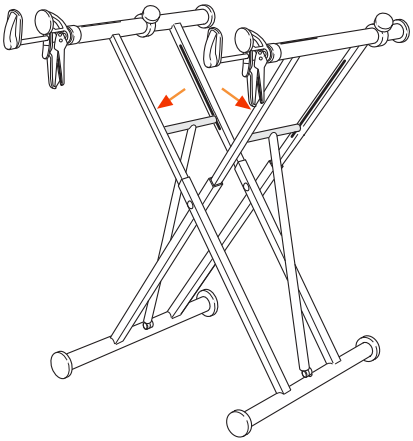


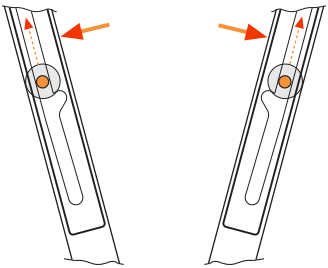
Now use your thumbs to push the tops of the T Braces **outwards**.

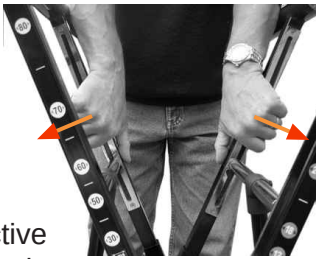




Maintain thumb pressure and push the legs apart using the palms of your hands until the stop is cleared allowing your **FrameX** to lower itself to the next stop (height position 2).
Repeat for height position 3.



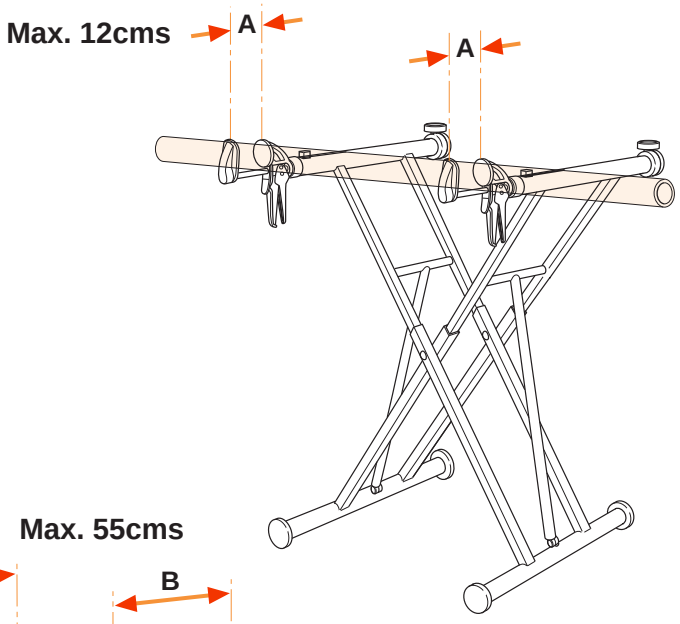


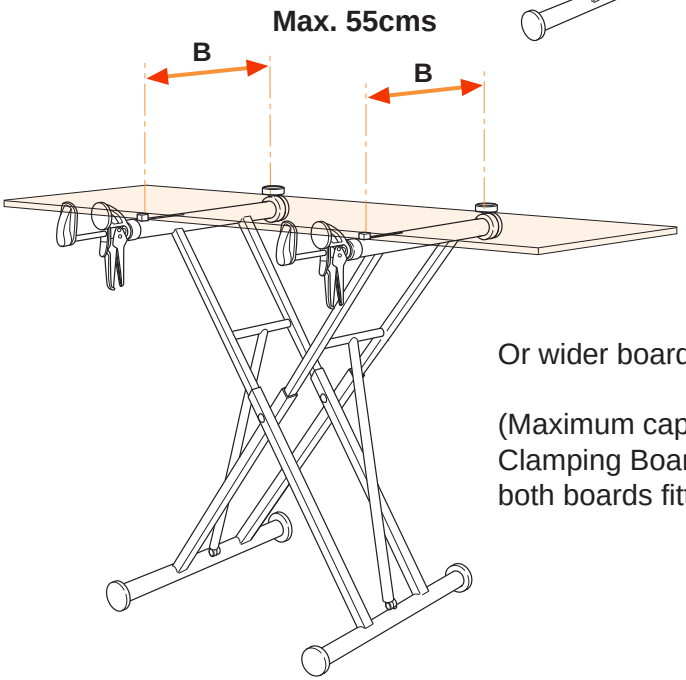


Note: The SpeedClamp legs are horizontal supports for the workpiece and their respective distance apart from each other increases as the selected height becomes lower.

Using your FrameX

You can support and clamp materials ie: mouldings, sections, piping etc in two places that will fit in the SpeedClamps at **A**.
(maximum capacity 12cm)



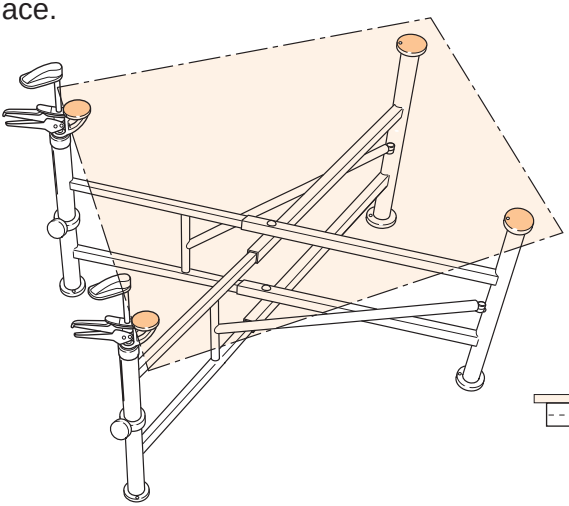


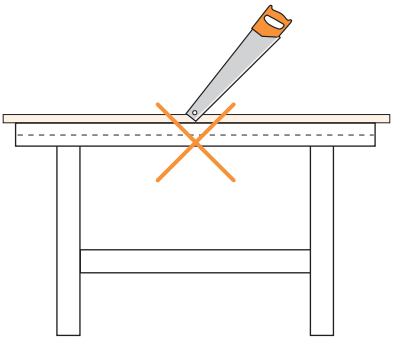
Or wider boards at **B**.

(Maximum capacity 55cm without the Clamping Boards fitted or 30cm with both boards fitted.)

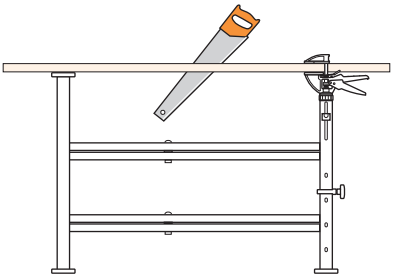
As a Full Size Workbench

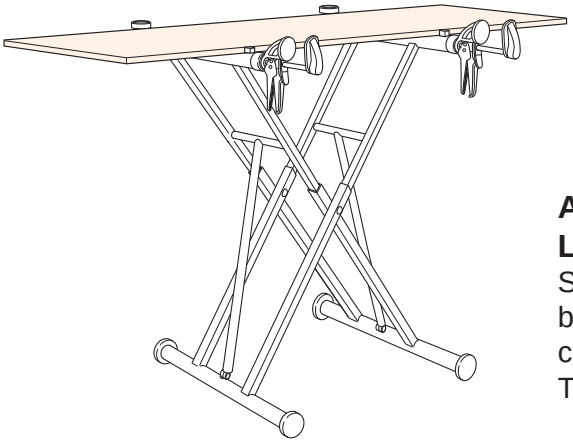
Your **FrameX** provides you with the option of fitting your own worksurface to make a temporary or permanent full size workbench, jobsite table or machine tool stand. Select and fit a suitably sized board and clamp into place.





A conventional workbench surface becomes an obstacle to most cutting tools, **FrameX's** unique spaceframe design allows you to use any cutting tool unhindered anywhere on the workpiece.





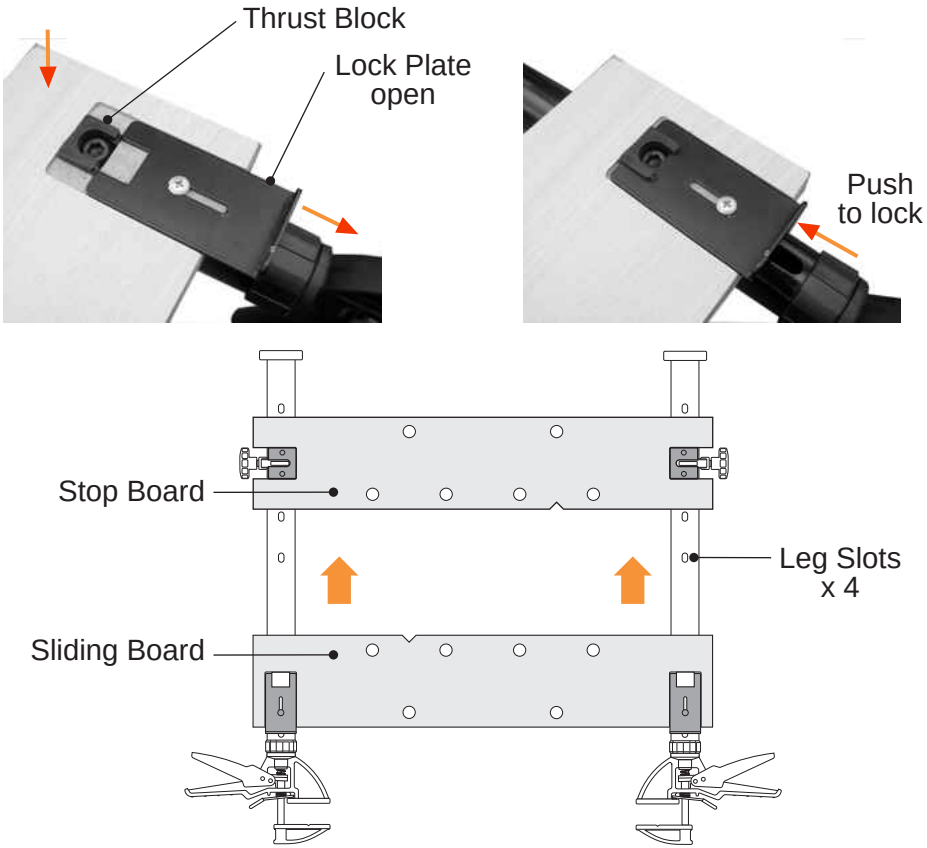
As a temporary Light Duty Workbench.

Select and fit a suitably sized board up to 55cm in width and clamp into place between the Thrust Blocks and Sliding Collars.

Fitting the Clamping Boards

Your **FrameX** is supplied with a pair of Clamping Boards.
These are used to grip and clamp smaller and thinner material sections and mouldings etc.
Select the 'Light Duty' position and adjust the height to the middle stop or Position 2.
Note: You cannot use the Clamping Boards in any of the other two positions.
To fit the Sliding Board firstly ensure the Lock Plates are not covering the square holes in the board, pull them away from the holes if necessary.
Lower the Sliding Board onto the square shaped Thrust Blocks through the square holes in the board and close the Lock Plates fully.
If the Sliding Boards do not drop neatly onto the Thrust Blocks refer to page 25 for advice on adjustment.

Fitting the Sliding Board



Fitting the Stop Board

To fit the Stop Board choose one of the four small slot positions on each leg that will provide a gap between the two Clamping Boards slightly wider than the workpiece or material to be clamped.
Slide each Sliding Collar down the leg to the chosen slot position ensuring that the Lobe Knobs are not in the way when you lower the board onto the collars.

Lower the Stop Board onto each Sliding Collar and rotate the Collars upwards so that the Lobe Knobs engage in the slots on each Stop Board and also above the chosen slot position in each leg. See Fig.19.
Tighten the Lobe Knob to positively locate the board into the slot in the leg.

Note: There is no need to overtighten the Lobe Knobs once engaged in their slots.

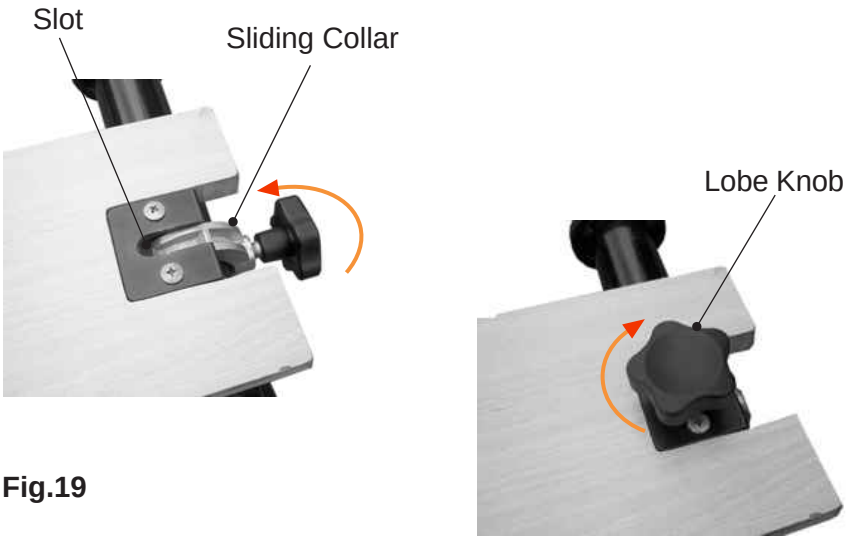


Fig.19

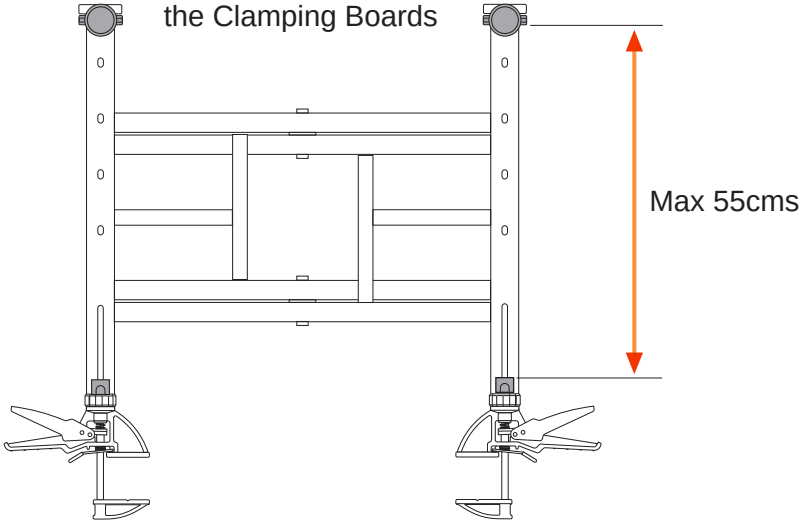
Place the material to be clamped between the two boards and push the Top Clamps on the SpeedClamp until they stop against the workpiece or squeeze each SpeedClamp trigger to fully grip the workpiece.

Using your FrameX

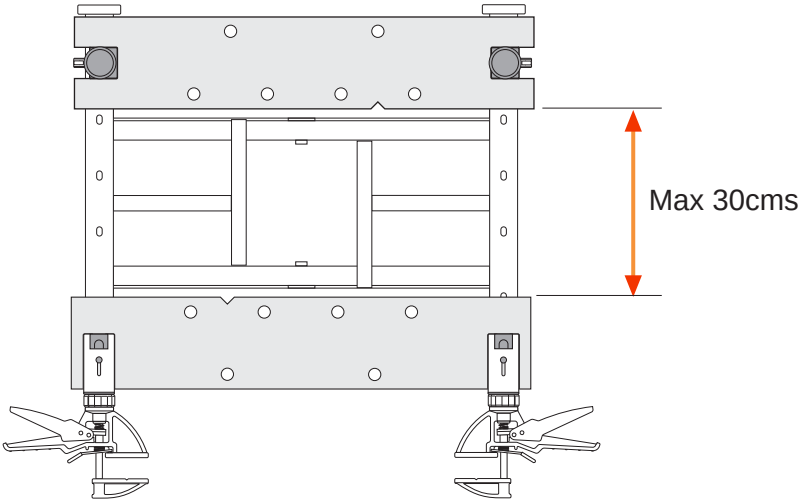
Clamping Boards

Removal of the clamping boards will increase the clamping capacity. Clamping can still be achieved between the Sliding Collar and the Thrust Block for thin material thicknesses.

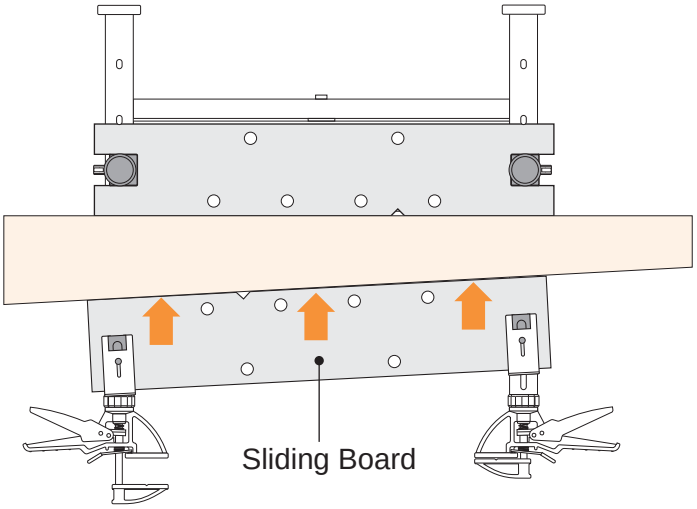
Without the Clamping Boards



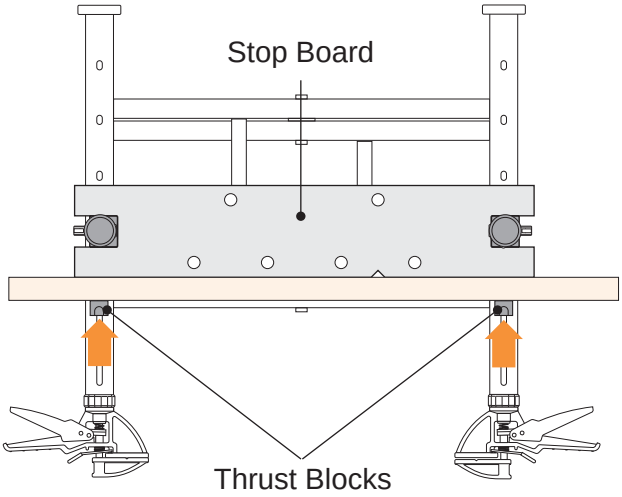
With the Clamping Boards



For your added convenience the Sliding Board attachment has been designed to also clamp irregular shaped materials.



You can use either board on its own if the job requires it.
The example below shows just the Stop Board being used with the Thrust Blocks.



Using your FrameX

The SpeedClamp

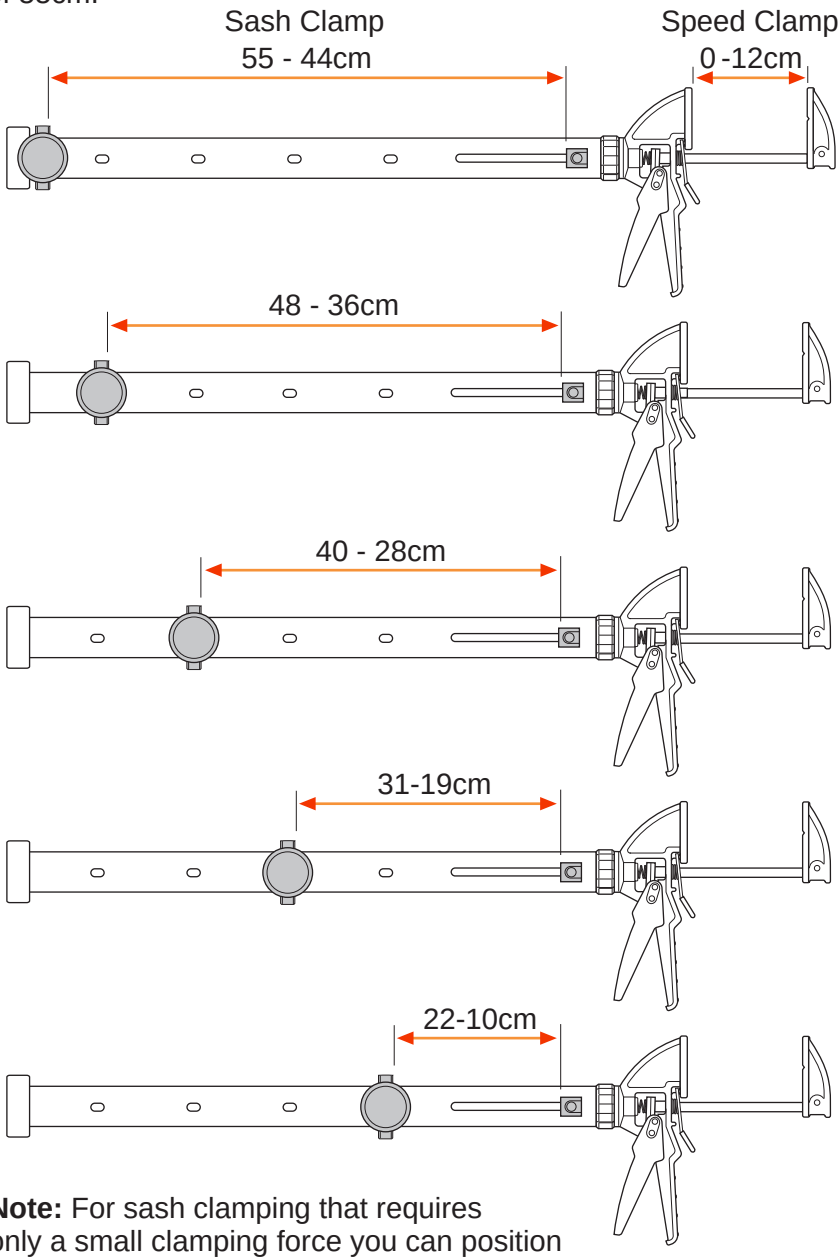
The built in SpeedClamps provide you with a pair of ‘G’ style clamps and a pair of ‘Sash’ style clamps combined.

For your convenience the Top Clamp and Support Pad revolve independently through 360º of each other and the leg they are fitted to, allowing you full control over the workpiece to be clamped.

To open the jaws on the SpeedClamp, hold the handle (not the trigger) with your fingers and then depress the Clutch with your thumb and pull out the Top Clamp with your other hand, rotating it out of the way if necessary.
Once you have loaded the workpiece, push down on the Top Clamp to close the jaws (you do not need to depress the clutch). Now move your fingers to the Trigger and apply a couple of squeezes to tighten the jaws.

To release the workpiece depress the Clutch and pull the Top Clamp up. Rotate the Top Clamp if necessary to ease the removal of the workpiece.

Your **FrameX** also provides you with a pair of combination Sash Clamps. Remove the Clamping Boards and position the sliding collar in any of the four small leg slots to suit material size up to a maximum capacity of 55cm.



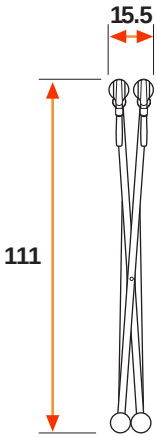
Note: For sash clamping that requires only a small clamping force you can position the Sliding Collars anywhere along the length of the leg.

Technical Specifications

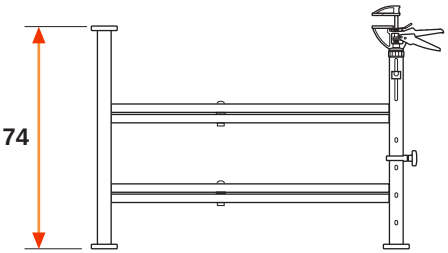
Model: **WF1100**

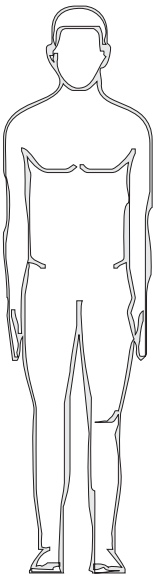
Weight: **13kgs. (**15kgs with Clamping Boards fitted)

Stored Position



Heavy Duty Position

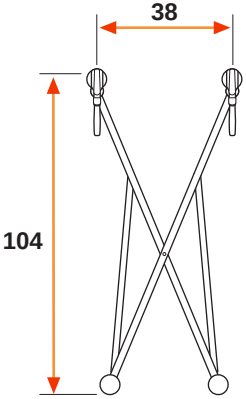




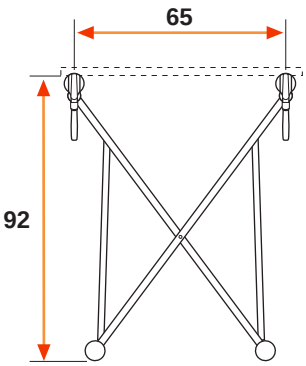
Note: In the stored position **FrameX** can be transported behind the drivers and front passenger seat of most cars.

Light Duty Positions

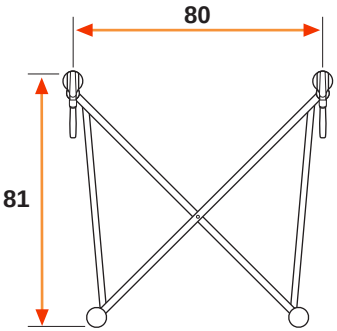
Position 1



Position 2
(Clamping Boards)



Position 3



Dimensions shown in centimetres

Important Safety Tips

- Never exceed a material weight of 150 kgs in the Heavy Duty position.
- Never exceed a material weight of 100 kgs in any of the Light Duty positions.
- Never exceed a material weight of 30 kgs on the Clamping Boards.
- Only use your FrameX on a firm level surface.
- Do not hang objects from the Speedclamps.
- Do not use your FrameX as a ladder or a platform to stand upon.
- Always ensure that all four studs on the T-Braces engage fully in their stops in the ratchets when using FrameX in any of the three Light Duty heights.
- Do not use your FrameX if any parts in the ratchets or T-Braces are broken or any of the welds have failed.
- Periodically check the tightness of all fasteners.

Care and Maintenance

FrameX has been designed to be maintenance free, however periodic checks and removal of dust and debris collected in the Speedclamps and Ratchets will maintain the efficiency of your **FrameX**.
Periodically apply one or two drops of light oil within the SpeedClamps as shown below.
If spare parts and accessories are required please contact your distributor.