Dear Superjaws Owner,

Thank you for your purchase of Triton Superjaws. We believe this very useful product will serve you well for many years, and become one of your most frequently used tools.

We strongly suggest that you read through this Owner’s Manual before using Superjaws. The product is ready to use, and simple to operate, but the manual has a number of recommendations concerning its use which will ensure trouble-free life, and result in better workmanship. There are also important instructions regarding the locking and releasing of the jaws.

Our philosophy at Triton Manufacturing and Design is to produce innovative products which are manufactured to high standards and which represent good value for money. If for any reason you are dissatisfied with the performance or design of Superjaws, please contact us. We welcome your comments and suggestions in our endeavour to make the very best products we can for you, our customer.

George Lewin
Managing Director.
SETTING UP

1. Place Superjaws on the ground, upside down. Fully open the three leg assemblies.

2. Unclip and pull out the two front Leg Spreaders and place the protruding stub on one Spreader into the end of the other. Pull up until they are in line.

3. Push the Joiner across until it hits the stop.

4. Unfold the Rear Cross Bar assembly and place the end of the tube in the socket. Pull up to lock.

WARNING: Keep hands clear of hinge.

5. Unfold the foot pedal until the locking bar "clicks" home.

6. Turn Superjaws right way up and it is ready to use.

FOLDING

Folding is basically the reverse procedure. Note that the foot pedal is unlocked by pulling up the lock bar before folding.
OPERATING AS A VICE

CLAMPING
1. Place workpiece against the front jaw.
2. Pull the sliding jaw up to the workpiece.
3. Pull out the lock-release plate.
4. Push down the foot pedal until sufficient clamping force has been applied.
For extra force, you may stand on the foot pedal (maximum 80kg) but do not jump on it, as you could damage the unit.

RELEASEING CLAMPED OBJECTS
1. Place your foot into the foot pedal stirrup and apply light pressure.
2. Use either your hand or your knee to push in the lock-release plate. If you have clamped the object very tightly, you may have to strike the plate to release.

WARNING!
It is possible to unlock the jaws by pushing in the lock-release plate without applying pressure to the foot pedal.
If doing so, ensure your leg is well clear of the foot pedal's arc of travel.

CLAMPING ON ONE SIDE OF THE JAW
On occasions, large or awkward workpieces can only be clamped on one side of the jaws.
Always fit a spacer (the same thickness as your workpiece) to the other side of the jaws, to prevent the moving jaw from skewing.

RECOMMENDED OPERATING POSITIONS

When working along the line of the jaws, place your foot on the foot plate to prevent Superjaws from moving.
The rear crossbar can be stood on to stabilize Superjaws when working from behind.
Stand on the front crossbar to stabilize Superjaws when working close to the jaws.
CLAMPING LARGE OBJECTS (400-900mm)

To clamp workpieces greater than 400mm, reverse the Sliding Jaw.
Make sure the Lock Release Plate is fully in, and the Pedal fully up.
The Sliding Jaw can then be slid off, reversed, and then slid back onto the Main Body.

Note that for workpieces in the range of 400-485mm, a packing piece as shown is required.

WARNING!
Whenever clamping objects with the Sliding Jaw reversed, ensure the workpiece sits down onto the Sliding Jaw, and is parallel to it.
Avoid clamping workpieces at the top of the jaws (with a gap between the workpiece and the Sliding Jaw) as excessive pedal pressure could damage the unit.

When clamping large or heavy materials, provide outboard support (such as a Triton Roller Support Stand) to prevent Superjaws from tipping over.
USING AS AN ANVIL

The front jaw is sufficiently robust to be used as an anvil for sheet and strip metal work.

For thicker materials we recommend the use of optional accessory Cast Engineer's Jaws.

WARNING!
Do not use the rear jaw as an anvil. You could damage it.

CLAMPING SHEET MATERIALS ON EDGE

It is possible to clamp sheet materials on edge. Use a spacer (A), minimum thickness 45mm, to ensure sheet material clears the legs and foot pedal.

Additionally, use a small offcut or scrap of sheet material (B), the same thickness as your main material, to ensure the jaw does not skew when clamping pressure is applied.

USING AS A PRESS

When the lock-release plate is fully in, Superjaws can be used as a press.

With each full stroke of the foot pedal, the rear jaw will advance about 25mm.

You may need to retard the moving jaw by hand after each foot pedal stroke, to prevent it sliding backwards on the pedal up-stroke.
RIPPING A PLANK
When ripping a plank, stop your cut before reaching the jaws.
Remove the workpiece and re-clamp with sufficient amount of the cut beyond the jaws, so that you can drop in your saw to recommence your cut.
Before clamping, insert a spacer slightly thicker than your saw cut, at the jaw area as shown, to keep the cut open.

CLAMPING SQUARE TUBING
It is easier to hacksaw square tubing or similar on the diagonal.
Use the V-grooves in the urethane jaws to securely hold your material.

SHARPENING CHAINSAWS
Superjaws makes an ideal clamp to hold your chainsaw whilst sharpening the teeth.
Simply use two wooden blocks, either side of the bar, to ensure the clamping jaws are clear of the chain, which can then be rotated as each tooth is filed.

MAINTENANCE
- The Pawl Carrier Pivot Pin (IW) opposite), may require an occasional spray with lubricant if it doesn’t pivot smoothly.
- DO NOT lubricate the Lock Shaft (R) at the front of Superjaws. Keep it, and the hole in the Lock Pawl (F), clean and dry.
- From time to time check that the folding legs are kept firm, but still free to pivot, by adjusting the tension on the Nyloc nuts.
**EXPLODED VIEW AND PARTS LISTING**

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WARRANTY
This product is warranted to be free from factory faults in workmanship or materials for a period of twelve months from date of purchase.
This Warranty does not extend to damage as a result of accident or abuse.
Please note that due to our company policy of continuous product improvements, specifications may change without notice.

FOR INFORMATION OR SERVICE PLEASE CONTACT:

VICTORIA
Triton Manufacturing and Design Co Pty Ltd
14 - 18 Mills Street, Cheltenham. 3192
Telephone: (03) 584 6977
Facsimile: (03) 584 5510

NEW SOUTH WALES
Triton Manufacturing and Design Co Pty Ltd
Unit 1, 3 Kaleski Street, Woorebank, 2170
Telephone: (02) 822 4111
Facsimile: (02) 822 4155

QUEENSLAND
Trevor Warnock Sales
10 Edmonstone Road, Bowen Hills. 4006
Telephone: (07) 252 7828
Facsimile: (07) 252 1432

SOUTH AUSTRALIA
William C. Kenny & Son Pty Ltd
132 Fiferick Street, Westall. 5007
Telephone: (08) 340 2833
Facsimile: (08) 340 2878

WESTERN AUSTRALIA
Crombie's Australia
139 Welshpool Road, Welshpool. 6106
Telephone: (09) 350 5588
Facsimile: (09) 450 9710

TASMANIA
Argus Agencies
51 Glen Dhu Street, Launceston. 7250
Telephone: (063) 44 7277
Facsimile: (063) 43 1709

Argus Agencies
90 Central Avenue, Moonah. 7009
Telephone: (022) 73 0633
Facsimile: (022) 72 2224

OPTIONAL ACCESSORIES
The Urethane jaw facings supplied with your Superjaws are quickly detachable, and we recommend their removal for metal work such as welding or grinding.
For heavy duty metal work, we suggest purchase of the optional —

CAST ENGINEER'S JAWS

These bolt-on jaws are manufactured from an extremely strong ductile cast iron, and are specially shaped to increase grip when clamping pipe or round sections up to 50mm in diameter. As well, they have an integral anvil for hammering or bending of heavy metal sections.

LOG AND POLE GRIPPING JAWS
Also available are jaws suitable for gripping logs or poles.

These jaws also bolt on to the standard steel jaws and are formed from steel plate, zinc plated for corrosion resistance.
Logs or poles up to 250mm in diameter are gripped firmly for chain sawing, drilling, rebating etc.