



Established 1930  
Distributors of new & used workshop Equipment

S534

SG-516      1250 X 1.6mm

TREADLE GUILLOTINE

INSTRUCTION & PARTS MANUAL

31-1-12

5534

Q<sub>11</sub> Series.

Foot Power Shearer.

Model Q<sub>11</sub>-1.6 x 1250.

## OPERATION MANUAL.

Machine No: SG-416

Serial No: 1110022

Machine Date: 2011.10

ZHY- - -

## Operation Manual

Foot Power Shearer

Total P5

No. P 2

### 1 User Manual.

The foot power shearer is of all welded steel construction adopting a simple operating system, which is very easy to maintain.

They are widely used in the motor, electrical, hardware and building industries.

The machine consists of a up and down shelf side plate and a foot operated control system. Which when a operated, drives the upper blade unit by the connecting steel rod, making the upper blade slide in the grooved channel.

To remove the finished work, you remove your foot from the foot control and the upper blade returns to its highest point. Before its next operation.

#### Shape Tolerance Adjustment.

Ensure that the foot operated control is pressed down to open the upper blade into the holding position.

Loosen the holding pressure nut which is located beside the groove plate.

Adjustment of the upper blade back and forward movement should be in conjunction with the measurement of the blades tolerance, to ensure that the blade is parallel. If the shape is not straight you can readjust the upper rail to give the correct shape using the material thickness tolerance rules. (Plate 500Mpa)mm

Material Thickness: 0.5

1

Tolerance: 0.025~0.035 0.05~0.06 0.06~0.07

1. The machine should not be operated by untrained personnel.
2. Material above the specified material thickness should not be used.

|                                                                                                                                                                                                                                          |                    |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|
| Operation Manual                                                                                                                                                                                                                         | Foot Power Shearer |        |
|                                                                                                                                                                                                                                          | Total P5           | No. P3 |
| <p>3. The operating should be aware that the placing of limbs or tools into the shearing blade area can cause serious damage or injury.</p> <p>4. THE COMPANY RESERVES THE RIGHT TO MODIFY AND UPDATE THEIR MACHINES WITHOUT NOTICE.</p> |                    |        |

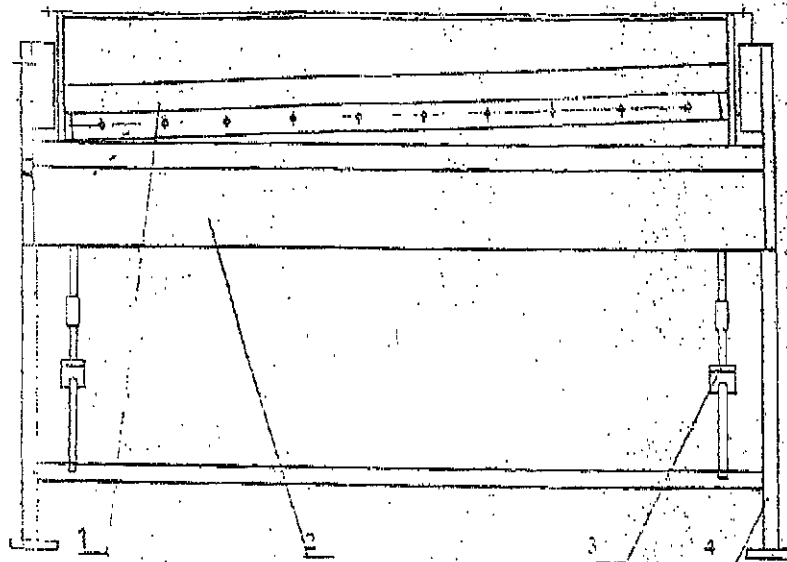
# Operation Manual

Foot Power Shearer

Total P5

No. P4

## 2 Machine Construction



1. Upper Blade Frame 2. Down Blade Frame 3. Operate Control 4. Side Plate

Q11 Series Foot Power Cutting Diagram

## 3 Main Specifications.

| Item           | Model        | Q11-16x1300          |
|----------------|--------------|----------------------|
| Thickness (mm) | Carbon steel | 0.5 ~ 1.6            |
|                | Stainless    | 0.5                  |
| Length (mm)    |              | <del>1300</del> 1250 |
| Angle          |              | 1.30°                |
| Dimension (mm) | L            | <del>1600</del>      |
|                | W            | <del>1200</del>      |
|                | H            | <del>1100</del>      |
| Weight (kg)    |              | <del>240</del>       |

# Operation Manual

Foot Power Shearer

Total P5

No. P5

## 4 Lubrication and Maintenance.

- The moving parts of the machine should be oiled and greased daily.
- The shearing blade should be cleaned and oiled.
- All waste material should be removed from the cutting surfaces.

| No. | Part                   | Lubrication     | Period (Day) |
|-----|------------------------|-----------------|--------------|
| 1   | Slip-Plate             | Grease          | 7            |
| 2   | Pin                    | N32 Machine Oil | 30           |
| 3   | Rotating Shaft Bearing | Grease          | 90           |

## 5 Spare Parts List.

| N<br>o | Name        | Drawing<br>No. | Material | Parts Quantity |
|--------|-------------|----------------|----------|----------------|
| 1      | Upper Blade | 0001           | T8       | 1              |
| 2      | Down Blade  | 0002           | T8       | 1              |

## 6 Installation Details.

- it is recommended that the machine be bolted into position before operation.
- All moving parts should be greased o oiled.
- The upper lower shearing blades should be checked for the correct operating tolerance see page 6.

# **WARNING**

## **General Machinery Safety Instructions**

---

Machinery House  
requires you to read this entire Manual before using this machine.

- 1. Read the entire Manual before starting machinery.** Machinery may cause serious injury if not correctly used.
- 2. Always use correct hearing protection when operating machinery.** Machinery noise may cause permanent hearing damage.
- 3. Machinery must never be used when tired, or under the influence of drugs or alcohol.** When running machinery you must be alert at all times.
- 4. Wear correct Clothing.** At all times remove all loose clothing, necklaces, rings, jewelry, etc. Long hair must be contained in a hair net. Non-slip protective footwear must be worn.
- 5. Always wear correct respirators around fumes or dust when operating machinery.** Machinery fumes & dust can cause serious respiratory illness. Dust extractors must be used where applicable.
- 6. Always wear correct safety glasses.** When machining you must use the correct eye protection to prevent injuring your eyes.
- 7. Keep work clean and make sure you have good lighting.** Cluttered and dark shadows may cause accidents.
- 8. Personnel must be properly trained or well supervised when operating machinery.** Make sure you have clear and safe understanding of the machine you are operating.
- 9. Keep children and visitors away.** Make sure children and visitors are at a safe distance for you work area.
- 10. Keep your workshop childproof.** Use padlocks, Turn off master power switches and remove start switch keys.
- 11. Never leave machine unattended.** Turn power off and wait till machine has come to a complete stop before leaving the machine unattended.
- 12. Make a safe working environment.** Do not use machine in a damp, wet area, or where flammable or noxious fumes may exist.
- 13. Disconnect main power before service machine.** Make sure power switch is in the off position before re-connecting.
- 14. Use correct amperage extension cords.** Undersized extension cords overheat and lose power. Replace extension cords if they become damaged.
- 15. Keep machine well maintained.** Keep blades sharp and clean for best and safest performance. Follow instructions when lubricating and changing accessories.
- 16. Keep machine well guarded.** Make sure guards on machine are in place and are all working correctly.
- 17. Do not overreach.** Keep proper footing and balance at all times.
- 18. Secure workpiece.** Use clamps or a vice to hold the workpiece where practical. Keeping the workpiece secure will free up your hand to operate the machine and will protect hand from injury.
- 19. Check machine over before operating.** Check machine for damaged parts, loose bolts, Keys and wrenches left on machine and any other conditions that may effect the machines operation. Repair and replace damaged parts.
- 20. Use recommended accessories.** Refer to instruction manual or ask correct service officer when using accessories. The use of improper accessories may cause the risk of injury.
- 21. Do not force machinery.** Work at the speed and capacity at which the machine or accessory was designed.
- 22. Use correct lifting practice.** Always use the correct lifting methods when using machinery. Incorrect lifting methods can cause serious injury.
- 23. Lock mobile bases.** Make sure any mobile bases are locked before using machine.
- 24. Allergic reactions.** Certain metal shavings and cutting fluids may cause an allergic reaction in people and animals, especially when cutting as the fumes can be inhaled. Make sure you know what type of metal and cutting fluid you will be exposed to and how to avoid contamination.
- 25. Call for help.** If at any time you experience difficulties, stop the machine and call you nearest branch service department for help.



# WARNING

## Manual Guillotine Safety Instructions

---

Machinery House  
requires you to read this entire Manual before using this machine.

- 1. Maintenance.** Make sure all moving parts are locked down before any inspection, adjustment or maintenance is carried out. Place a block of timber between the blades to save blades from shearing hands or fingers.
- 2. Guillotine Condition.** Guillotine must be maintained for a proper working condition. Never operate a Guillotine that has damaged or worn parts. Scheduled routine maintenance should be performed on a scheduled basis.
- 3. Blade Condition.** Never operate a Guillotine with a damaged or badly worn blades. Replace if required.
- 4. Hand Hazard.** Keep hands and fingers clear from moving parts. Serious injury can occur if hand or finger tips come between blades.
- 5. Personal Protection.** Gloves are recommended when handling the workpieces.
- 6. Authorized and trained personnel.** The machine must be operated by authorized and trained personnel. The shear is designed to be operated by a single user. Using the machine with more than one operator is forbidden, except for certain maintenance situations.
- 7. Work area hazards.** Keep the area around the Guillotine clean from oil, tools, objects & chips. Pay attention to other persons in the area and know what is going on around the area to ensure unintended accidents.
- 8. Guards.** Do not operate Guillotine without the correct guards in place. Necessary guards protect you from injuries by the shear blades.
- 9. Material.** Material must NOT be hardened ceramic or glass-originated, non flat metals (at origin) e.g. rods, bars, tubes & pipes.
- 10. Blade gap adjustment.** Do NOT operate the machine without proper blade gap adjustment according to sheet thickness.
- 11. Warning Labels.** Take note of any warning labels on the machine and do not remove them.
- 12. Backgauge Area.** Do not access the backgauge area, while the machine is working.
- 13. Squaring arm.** Do not use side squaring arm and front support arms for intermediate storage of workpieces.
- 14. Operation.** During the shearing process, the workpiece may slide or move unexpectedly. Therefore, the material must be handled carefully.
- 15. Level machine.** Level the machine on a flat concrete surface by using a spirit level.
- 16. Hearing protection and hazards.** Always wear hearing protection as noise generated from machine and workpiece can cause permanent hearing loss over time.
- 17. Call for help.** If at any time you experience difficulties, stop the machine and call your nearest branch service department for help.



# PLANT SAFETY PROGRAM

## NEW MACHINERY HAZARD IDENTIFICATION, ASSESSMENT & CONTROL

### Manual Guillotine

Developed in Co-operation Between A.W.I.S.A and Australia Chamber of Manufactures  
This program is based upon the Australian Worksafe Standard for Plant(NOHSC:1010-1994)

| Item No.                                                                      | Hazard Identification         | Hazard Assessment | Risk Control Strategies<br>(Recommended for Purchase / Buyer / User)                                                                                      |
|-------------------------------------------------------------------------------|-------------------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| B                                                                             | CRUSHING                      | LOW               | Secure & support work material on table.                                                                                                                  |
| C                                                                             | CUTTING, STABBING, PUNCTURING | MEDIUM            | Wear gloves to prevent cuts from sharp material offcuts.                                                                                                  |
| D                                                                             | SHEARING                      | MEDIUM            | Hands should be kept clear of moving parts and blades.<br>Ensure front blade guard is fitted securely.<br>Do not adjust or clean machine while operating. |
| F                                                                             | STRIKING                      | MEDIUM            | Wear safety glasses.<br>Stand clear of falling offcuts.<br>Ensure material hold downs are correctly adjusted.<br>Ensure guards are secured properly.      |
| O                                                                             | OTHER HAZARDS, NOISE.         | LOW               | Wear hearing protection as required.                                                                                                                      |
| Plant Safety Program to be read in conjunction with manufactures instructions |                               |                   |                                                                                                                                                           |



[www.machineryhouse.com.au](http://www.machineryhouse.com.au)



[www.machineryhouse.co.nz](http://www.machineryhouse.co.nz)

Authorised and signed by:  
Safety officer:

Manager:

  
.....  
  
.....

Revised Date: Aug-08