

## Plant Information

**Plant Description:** Tamping Rammer  
**Model No:** MT Series Rammers  
**Issue Date:** 15/02/02 **Issue:** A  
**Noise Level** 107 dB(A)

**Company:** Flextool (Aust.) Pty Ltd  
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**Note:** This document contains general information only & should not be relied upon as a substitute for the relevant Flextool operating instructions, which the user should seek before operating, changing accessories, or performing maintenance on Flextool power equipment.

## Personal Protective Equipment

### Mandatory:



Hearing Protection

### Recommended:



Foot Protection

## Hazard Evaluation And Control ( • Refer to Mikasa operating instructions)

Hazard Description	Plant & / or Situation	Risk Level	Risk Control
<b>A - ENTANGLEMENT</b> 1 Can anyone's hair, clothing, gloves necktie, jewellery, cleaning brushes, rags, or other materials become entangled with moving parts of the plant, or materials in motion?	Entanglement with tamping foot	Medium/Low E3	<ul style="list-style-type: none"> <li>Do not wear loose clothing that can become entangled in operating machinery.</li> </ul>
<b>B - CRUSHING-</b> 1. Can anyone be crushed due to:			
d. The plant tipping or rolling over?	In use on an incline	Medium/Low E3	<ul style="list-style-type: none"> <li>Secure the equipment after it is in its operating position so it does not tip over, roll, slide or fall.</li> <li>Always pay attention to foothold and work in easy position that allows to keep your machine in good balance.</li> </ul>
f. Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	Crushing between tamping foot & fixed object or drawing in between fixed & moving parts during maintenance.	Medium/Low E3	<ul style="list-style-type: none"> <li>Keep hands and feet clear of moving parts. Do not stick hands or fingers in the equipment when operating.</li> <li>Do not operate equipment without guards in place.</li> <li>Disconnect spark plug wire while performing maintenance or repair on the equipment or engine.</li> <li>Always replace safety devices removed during service or repair before operating.</li> </ul>
<b>F. STRIKING-</b> 1. Can anyone be struck by moving objects due to :			
a. Uncontrolled or unexpected movement of the plant?	Plant moving while unattended	Low D1	<ul style="list-style-type: none"> <li>Secure the equipment after it is in its operating position so it does not tip over, roll, slide or fall.</li> </ul>

**Likelihood:** A-Almost Certain 90%, B-Likely 70%, C-Possible 50%, D-Unlikely 30%, E-Rare 10%. (AS4360) **Consequences:** 1-Insignificant, 2-Minor, 3-Moderate, 4-Major, 5-Catastrophic. (AS4360)

Hazard Description	Plant & / or Situation	Risk Level	Risk Control
<b>I. EXPLOSION</b> 1. Can anyone be injured by explosion of gases, vapours, liquids, dusts or other substances, triggered by the operation of the plant or by material handled by the plant?	Petrol vapour	Medium/Low E4	<ul style="list-style-type: none"> <li>• Never add fuel to tank while the engine is running. Stop engine and allow it to cool. Avoid spilling fuel.</li> <li>• Make sure fuel lines and fittings are tight and in good condition.</li> <li>• Do not smoke while refueling the engine.</li> <li>• Do not refuel near open flame, wipe up spilled fuel.</li> <li>• Store gasoline in approved container and location.</li> <li>• Do not operate near flammable substances.</li> </ul>
<b>J. SLIPPING, TRIPPING &amp; FALLING-</b> 1. Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to:			
a. Uneven or slippery work surfaces?	Slip/Trip/Fall	Medium/Low C1	<ul style="list-style-type: none"> <li>• Always pay attention to foothold and work in easy position that allows to keep your machine in good balance.</li> </ul>
c. Obstacles being placed in the vicinity of the plant, other factors not mentioned?	Slip/Trip/Fall	Medium/Low C1	<ul style="list-style-type: none"> <li>• When starting or during operation, make sure to protect safety for personnel or against any obstacle around.</li> </ul>
d. Unprotected holes, penetrations or gaps?	Slip/Trip/Fall	Medium/Low C1	<ul style="list-style-type: none"> <li>• Always pay attention to foothold and work in easy position that allows to keep your machine in good balance.</li> <li>• When starting or during operation, make sure to protect safety for personnel or against any obstacle around.</li> </ul>
<b>L. SUFFOCATION</b> 1. Can anyone be suffocated due to lack of oxygen, or atmospheric contamination?	Motor exhaust fumes	High/Medium D5	Warning label on unit <ul style="list-style-type: none"> <li>• Never operate in an enclosed building or area where exhaust gasses can accumulate.</li> <li>• Do not breath exhaust fumes when working in the area of the engine. (Exhaust gasses are odorless and deadly poison).</li> <li>• Never operate in a pit or sump without making provisions for exhausting the gasses.</li> </ul>
<b>M. HIGH TEMPERATURE OR FIRE</b> 1. Can anyone come into contact with objects at high temperature?	Motor muffler	Medium/Low E1	<ul style="list-style-type: none"> <li>• Be careful not to touch muffler as it becomes hot in operation.</li> <li>• Exhaust system parts get very hot and stay hot for sometime after shutting the engine off - do not touch</li> </ul>
b. Toxic gases or vapours?	Motor exhaust fumes	High/Medium D5	Warning label on unit <ul style="list-style-type: none"> <li>• Never operate in an enclosed building or area where exhaust gasses can accumulate.</li> <li>• Do not breath exhaust fumes when working in the area of the engine. (Exhaust gasses are odorless and deadly poison).</li> <li>• Never operate in a pit or sump without making provisions for exhausting the gasses.</li> </ul>
c. Fumes?	Motor exhaust fumes	High/Medium D5	Warning label on unit <ul style="list-style-type: none"> <li>• Never operate in an enclosed building or area where exhaust gasses can accumulate.</li> <li>• Do not breath exhaust fumes when working in the area of the engine. (Exhaust gasses are odorless and deadly poison).</li> <li>• Never operate in a pit or sump without making provisions for exhausting the gasses.</li> </ul>



# Product Safety Assessment Sheet

Hazard Description	Plant & / or Situation	Risk Level	Risk Control
e. Noise?	Tamping plate and motor operation	High B4	• Hearing protection sticker fitted to unit.
f. Vibration?	Tamping plate and motor operation	Medium/Low D2	Anti vibration mounts fitted to plant
h. Other factors not mentioned?	Fire, petrol vapour	Medium D3	<ul style="list-style-type: none"><li>• Never add fuel to tank while the engine is running. Stop engine and allow it to cool. Avoid spilling fuel.</li><li>• Make sure fuel lines and fittings are tight and in good condition.</li><li>• Do not smoke while refueling the engine.</li><li>• Do not refuel near open flame, wipe up spilled fuel.</li><li>• Store gasoline in approved container and location.</li><li>• Do not operate near flammable substances.</li></ul>

## Function And Control (Refer to Mikasa operating instructions)

Lower the fuel cock lever to let fuel flow. To start, switch must be in the ON position.  
With carburetor choke closed, set throttle lever to OFF position. In cold weather choke should be fully closed, while in summer or if engine is warm use half open or full open.  
In case engine fails to start use half open choke lever to avoid excessive fuel intake.  
Grip the recoil starter handle and pull it a little to feel a slight resistance. Then pull it powerfully from there.  
If engine has started, return choke lever slowly to full open position. Be sure to warm-up prior to full throttle operation.  
To start the rammer tamping action, move the throttle lever quickly from close to full open position. Do not move the throttle lever slowly as this may cause damage to the clutch or spring.  
To STOP the machine move the throttle lever to the off position or turn the ON/OFF switch to the OFF position.