Small Rebar Bender Operation Procedure

Viking Reinforcing Ltd. – Fabrication Yard Operational Procedure
Applicable to Small Rebar Bending Equipment – Parksville, British Columbia

Document Control

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Equipment	Manual / Small Hydraulic Rebar Bender
Standard	ISO 45001:2018 Clause 8.1 – Operational Control
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1. Purpose

This procedure establishes the safe operating requirements for small rebar bending equipment used in Viking Reinforcing fabrication yard operations. These machines are commonly used for bending smaller diameter reinforcing steel bars required for structural reinforcement fabrication.

2. Scope

This procedure applies to all Viking Reinforcing employees authorized to operate manual or small hydraulic rebar bending machines located within the Parksville fabrication yard.

3. Equipment Description

Small rebar benders are compact machines used to bend reinforcing steel bars to specified angles. These machines may be manual lever-type benders or small hydraulic units used for quick fabrication of stirrups, hooks, and smaller bar shapes.

4. Responsibilities

Director of Maintenance – Sean Vetra
• Ensures equipment is properly maintained and safe to operate.

Chief Safety Officer – Dan Ansell
• Ensures hazard controls and procedures are followed.

Yard Foreman – Matt Warawa
• Supervises operators and ensures safe work practices.

Operators
• Operate equipment safely and report hazards or defects.

5. Training and Competency Requirements

Operators must:
• Receive training on safe operation of the bending equipment
• Understand bending limitations and machine controls
• Be trained in pinch point hazard awareness
• Understand Lockout/Tagout procedures for servicing equipment
Training must be documented using FORM-OHS-11 – Worker Training Record.

6. Required Personal Protective Equipment

Operators and nearby workers must wear:
• Hard hat
• Safety glasses with side shields
• Cut-resistant gloves
• High-visibility vest
• CSA-approved safety boots

7. Hazards Associated with Operation

Potential hazards include:
• Pinch points between bending arm and pins
• Rebar kickback
• Sharp steel edges
• Manual handling strain injuries
• Slips or trips due to loose rebar or debris.

8. Pre-Use Inspection

Operators must inspect the equipment prior to use including:
• Bending pins and rollers
• Lever arms or hydraulic mechanisms
• Structural integrity of the machine
• Stability and mounting of equipment
• Work area hazards
Inspection results must be recorded using FORM-OHS-12 – Equipment Pre-Use Inspection Form.

9. Safe Operating Procedure

1. Conduct pre-use inspection.
2. Ensure machine is stable and properly positioned.
3. Select appropriate bending pins and configuration.
4. Position rebar securely against the bending pins.
5. Maintain safe hand positioning away from moving parts.
6. Apply controlled force using the lever or hydraulic control.
7. Complete the bending cycle fully.
8. Remove bent rebar carefully and place in designated storage area.

10. Prohibited Actions

Operators must not:

- Place hands within the bending zone during operation
- Modify or remove machine guards
- Operate damaged equipment
- Allow untrained personnel to operate the machine.

11. Emergency Procedures

In the event of injury or equipment malfunction:

1. Stop work immediately.
2. Notify the supervisor.
3. Provide first aid if necessary.
4. Report the incident using FORM-OHS-02 – Incident Report Form.

12. Maintenance and Servicing

Maintenance must be performed by qualified personnel only. Equipment must be isolated using SOP-OHS-17 – Lockout / Tagout Procedure before performing repairs or servicing.

13. Records and Documentation

FORM-OHS-12 – Equipment Pre-Use Inspection
FORM-OHS-11 – Worker Training Record
FORM-OHS-02 – Incident Report Form
LOG-OHS-05 – Equipment Maintenance Log
REGISTER-OHS-02 – Corrective Action Register

14. Continuous Improvement

Inspection findings, maintenance results, and worker feedback will be reviewed to improve safety practices related to small rebar bending equipment.