



SOP-FAB-03 – Schnell BarWiser 22 Rebar Bender Operation

Schnell BarWiser 22 Rebar Bender Operation Procedure

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

Document Control

Document Number	SOP-FAB-03
Equipment	Schnell BarWiser 22 Rebar Bender
Standards	ISO 45001:2018 Operational Control
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1. Purpose

This procedure establishes safe operating requirements for the Schnell BarWiser 22 Rebar Bender used in Viking Reinforcing fabrication yard operations. The objective is to ensure reinforcing steel bending operations are performed safely while maintaining compliance with ISO 45001 safety management requirements and WorkSafeBC occupational safety regulations.

2. Scope

This procedure applies to all Viking Reinforcing employees authorized to operate or maintain the Schnell BarWiser 22 rebar bending machine located at the Parksville fabrication yard.

3. Equipment Description

The Schnell BarWiser 22 is a programmable rebar bending machine designed to bend reinforcing steel bars to specified angles and shapes used in construction. The machine uses hydraulic and mechanical systems to rotate a bending plate and forming pins to shape reinforcing steel.



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4. Responsibilities

Director of Maintenance – Sean Vetra

- Responsible for mechanical integrity and equipment maintenance.

Chief Safety Officer – Dan Ansell

- Ensures safe work practices and hazard controls are implemented.

Yard Foreman – Matt Warawa

- Supervises operators and ensures proper training and compliance.

Operators

- Operate equipment according to this procedure and report hazards or defects.

5. Training and Competency Requirements

Operators must:

- Receive documented training on the Schnell BarWiser 22
- Understand machine controls and programming functions
- Be trained in hazard recognition and pinch-point awareness
- Be trained in Lockout/Tagout procedures for maintenance

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
- Hearing protection where required.

7. Hazards Associated with Rebar Bending

Primary hazards include:

- Pinch points between bending plate and forming pins
- Rebar kickback during bending
- Flying metal fragments
- Sharp rebar edges
- Manual handling injuries
- Noise exposure.



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8. Pre-Use Inspection

Operators must inspect the machine prior to use including:

- Hydraulic hoses and fittings
- Bending plate condition
- Forming pins and rollers
- Machine guards and shields
- Emergency stop function
- Control panel operation

Inspection results must be documented using FORM-OHS-12 – Equipment Pre-Use Inspection Form.

9. Safe Operating Procedure

1. Complete pre-use inspection.
2. Ensure guards and safety barriers are in place.
3. Program or select the correct bending angle.
4. Position rebar securely against the forming pins.
5. Keep hands clear of the bending plate.
6. Activate the bending cycle using the control pedal or control panel.
7. Allow the bending plate to complete the cycle before removing the bar.
8. Place finished rebar in designated storage or bundling areas.

10. Prohibited Actions

Operators must not:

- Reach into the bending area during operation
- Override machine safety guards
- Operate the machine if defects are present
- Allow untrained personnel to operate the machine.

11. Emergency Procedures

In the event of equipment malfunction or injury:

1. Activate the emergency stop button immediately.
2. Notify the supervisor.
3. Provide first aid if required.
4. Report the incident using FORM-OHS-02 – Incident Report Form.

12. Maintenance and Servicing

Maintenance must only be performed by qualified personnel. The machine must be isolated and locked out according to SOP-OHS-17 – Lockout / Tagout Procedure before servicing or replacing components.



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13. Records and Documentation

FORM-OHS-12 – Equipment Pre-Use Inspection

FORM-OHS-02 – Incident Report

LOG-OHS-05 – Equipment Maintenance Log

REGISTER-OHS-02 – Corrective Action Register

14. Continuous Improvement

Inspection results, maintenance findings, and worker feedback will be reviewed to improve bending operations and reduce hazards associated with rebar fabrication.