

Electric Mining Shovels

Bucyrus is committed to improving environmental and safety performance through minimizing air and water emissions and reducing waste. We will control and eliminate, where possible, any source of hazards, hazardous materials and emissions involved in manufacturing and support processes.



we make the **earth** move.

World Headquarters

1100 Milwaukee Avenue
South Milwaukee, Wisconsin
53172-0500, USA

Phone: 414.768.4000
Fax: 414.768.4474

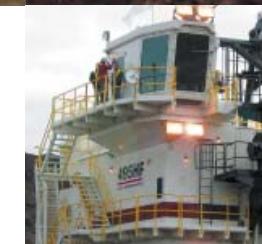
www.bucyrus.com

Subsidiaries and Operations

BUCYRUS Africa
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CONTEL™
MINSERCO

495

High Performance Series



we make the **earth** move.



495 High Performance Series



Dual Output Planetary Hoist (HoistBoss®)



Reduced maintenance as compared to single pinion designs.

70" (177.8 cm) drum for extended rope life.

Rope Crowd (deck-mounted)

60" (152.4 cm) crowd drum with hardened and ground gearing. Automated crowd rope take-up system.

Tubular Handle

Forged one-piece construction with 3" (7.62 cm) wall and cast one-piece saddle block.

SuperCab

Ergonomically designed for operator's efficiency and visibility.

Optimized Stress-Relieved Boom Structure

67' (20.4 m) boom

High Efficiency Dippers

Crawler Frame

Straddle-mounted rollers & Upper Slides

Lower Works

A field-proven design founded on the 351/595 series.

AC-IGBT (phase module)

Roller Circle

Third rail design for ease of maintenance.

Dual Output Planetary Swing (SwingBoss®)

A proven 495 series design.

Revolving Frame

60" (152.4 cm) deep for overall rigidity and extended life.

495HR

HIGH PERFORMANCE

Hard Rock lower works design.

495HF

HIGH PERFORMANCE

High Flotation lower works design for applications where low ground bearing pressure is required.

- 110 ton (100 tonne) capacity. (Available payloads up to 120 ton.)
- 3-pass load - 320 to 360 ton (290 to 326 tonne) haul trucks.
- 4-pass load - 400 ton (363 tonne) haul trucks.
- Ease of maintenance.
- Exceptional reliability.
- Rapid shovel positioning.
- Optimum swing speed and cycle time.
- Largest drums in the industry for increased rope life.
- Tubular handle provides reduced handle stress associated with torsional loads.
- Patented automated crowd rope take-up system reduces maintenance preparation and downtime while enhancing maintenance safety.
- Deck-mounted rope crowd removes crowd weight from boom for improved swing time and easier maintenance.
- Optimized front-end geometry for maximum payload, productivity and dumping height.
- Bucyrus designs dippers with optimized geometry for easier bank penetration and reduced drag. The *FastFil* design (as shown) incorporates slanted rear corners to eliminate voids for 100% or more fill factors.
- Increased bail pull.
- AC - IGBT electrics are fuseless. Regenerates to line. No UPS (uninterrupted power supply) required.
- Simplified motor maintenance. No brush or commutator maintenance. No flashover. Lower rewind cost.