

AGI Bucket Elevator

Engineered to maximize your uptime

AGI's new Bucket Elevator is engineered to deliver the consistent, reliable performance demanded in modern grain-handling operations. Every detail supports steady material flow, dependable operation, and long-term reliability.

From maintenance access to component layout, every design decision was made to work efficiently, reducing downtime and keeping operations moving whether you are running 5,000 bushels per hour or scaling up to 120,000. Shaped directly by customer input, it reflects the day-to-day needs of the people who run, maintain, and service the equipment.

Built around one priority, maximizing uptime, this bucket elevator features easier access to critical service points for faster, safer maintenance. Improvements across major wear areas and routine adjustments come straight from customer feedback, delivering reliable performance with fewer interruptions.

Bucket Elevator Head

Designed for Maintenance Access

That customer-driven approach carries through to the bucket elevator head. Built around how the equipment is operated and serviced, the head features multiple inspection doors and strategically placed inspection points that provide safe, practical access to critical components. The result is faster inspections, simpler adjustments, and reduced maintenance time and downtime.

- Multiple Maintenance & Inspection Access Points
- 1

Oversized Maintenance Access
- 2

Discharge Inspection Door
- 3

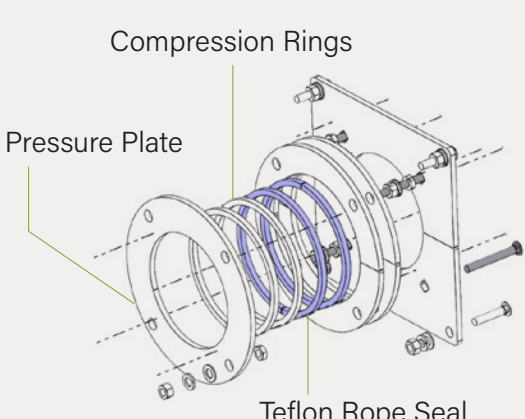
Pulley Hub Service Opening
- 4

Lagging Inspection Door
- 5

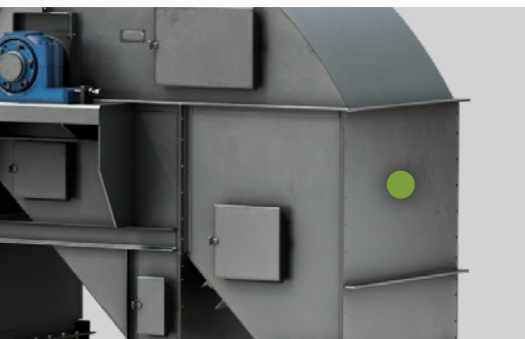
Downleg Inspection Door
- 6

Upleg Inspection Door

Hinged Rear Cap
Built-in hinges allow the rear cap to open without crane removal, reducing setup time and service complexity. Controlled, supported motion lets the cap open and rest securely, eliminating kite-ing during maintenance and improving safety while reducing labor and downtime.



RINO Shaft Seal
Outperforms UHMW with dust-tight, abrasion-resistant sealing that better protects bearings and drives while reducing maintenance.



Removable Front Head and Discharge Section
Fully removable front head panel and discharge section allow service from outside the elevator, delivering direct access to high-wear areas for faster liner or tile replacement and eliminating confined space entry.

Easily replaceable **Bucket Catcher Rods** allow fast, safer change-out with minimal disassembly

Bucket Elevator Trunking

Full-width inspection doors provide clear visibility and easy access to internal components, giving crews the space to work efficiently. Heavy-duty, self-supporting trunking maintains structural integrity even when access panels are removed.



Three Removable Panels
9-ft inspection section with three bolted, full-width panels that can be removed individually or together for inspection and maintenance.

Removable Inlet Plate provides direct outside access for liner and component service, eliminating major teardown and reducing downtime.

Customizable Inspection Doors
Engineered to fit your needs, with tailored sizing and placement that deliver optimal access and visibility.

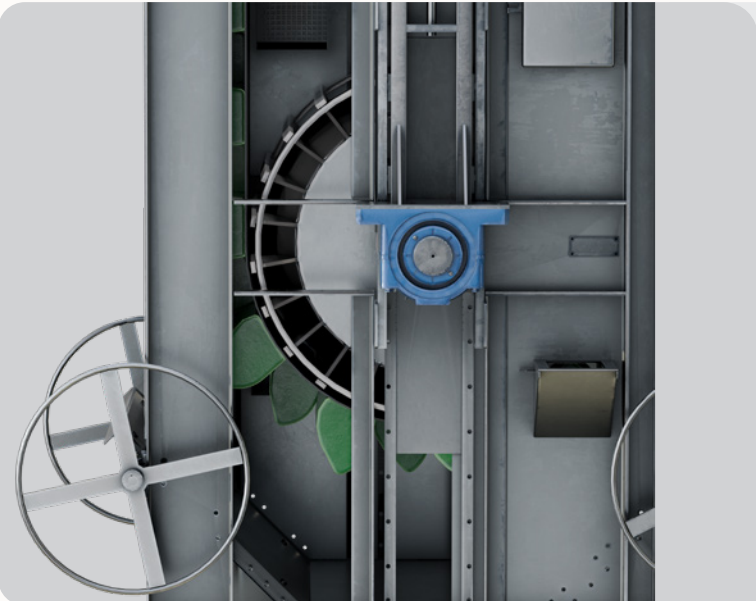
External Throat Plate Adjustment allows fast, accurate adjustments to be made from outside the elevator, improving safety, reducing confined space entry, and simplifying routine maintenance.



Extra-Wide 9-Foot Access (Optional)
The double-door, 9-foot opening provides unobstructed access with outward-swinging, semi-trailer-style doors that stay clear of the work area and require no heavy lifting. When paired with backside inspection panels, it enables full front-and back-side belt access for earlier issue detection and safer maintenance.

Durable, Maintenance-Friendly Boot Design

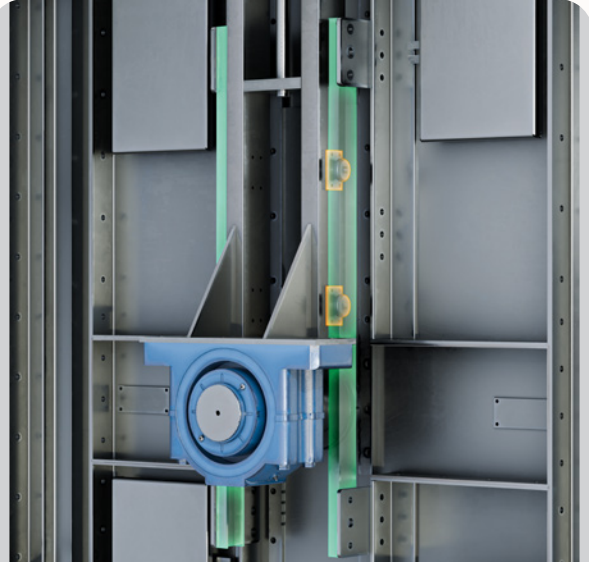
The elevator boot is designed to support stable operation and straightforward maintenance from the ground up.



Removable Side Panels Non-load-bearing panels come off safely for direct access to the boot and pulley. Faster replacements and inspections shorten both planned and unplanned servicing.

Screw Takeover
Engaged on demand with the gravity take-up system, the full load screw takeover ensures precise belt tension and tracking, and doubles a built-in service position for controlled inspection and adjustment.

Outward Hinged Shovel Pocket design allows safe, in-process access with a hands-free hinged lid and built-in OSHA-compliant guarding



Guided Gravity Take-Up (Optional)
Mast bearings guide smooth vertical movement in matched channels, allowing the take-up to move freely and maintain consistent belt tension while improving belt tracking.

Specifications

Capacity	5,000 – 120,000 BPH
Pulley Size	24", 30", 36", 42", 48", 60"
Discharge Height	Up to 250+ Feet
Bucket Projection	5", 6", 7", 8", 10", 12"
Lining Options	EMBU, AR Steel, Ceramic Tile (epoxy, weld-in, vacuum bonded)
Boot Housing	Minimum 7 ga
Head Housing	Minimum 10 ga
Leg Casing	Minimum 14 ga
Take-up Style	Acme Screw Manual Take-up or Gravity Take-up (with Acme Screw Take-Over)
Pulley Type	Herringbone, Wing, Spiral-Wrapped, Drum
Seal Types	RINO Seals, UHMW
Belt Clearance	Increased clearance by design; configurable to meet customer specs or preset based on market segment
Finishes	Powder Coat, Marine Powder Coat, Stainless Steel, Hot Dipped Galvanized, Pre-Galvanized
Explosion Panels	NFPA 61 compliant and NFPA 68 by customer request