

HAYES & STOLZ

INDUSTRIAL MANUFACTURING CO.



**Bucket
Elevators**



hayes-stolz.com

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BUCKET ELEVATORS

The rugged design and heavy-duty construction of Hayes & Stolz Bucket Elevators ensure reliable performance for the most demanding elevating requirements.

With a wide selection of standard and optional features including bucket styles, multi-row bucket designs, construction materials, take-up configurations, casing designs, belt and pulley/chain and sprocket combinations, Hayes & Stolz can deliver solutions for handling a wide variety of products of varying particle sizes and bulk densities.

Hayes & Stolz offers elevator sizes with capacities up to 75,000 cubic feet per hour. We have produced custom elevators to over 300 feet discharge height, and up to 600 HP drives.

Standard elevators are manufactured with painted **carbon steel**, **galvanized** or **stainless steel** construction materials.

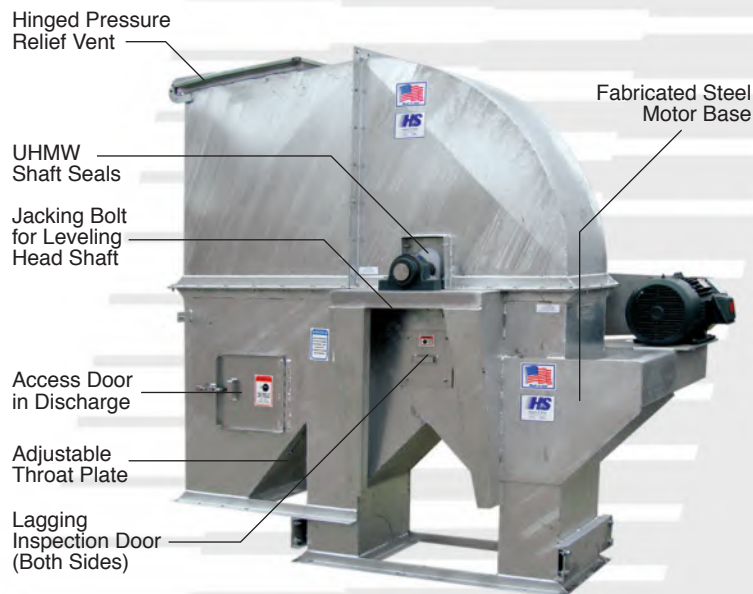
Contact a qualified Hayes & Stolz Sales Engineer today to provide you with the most cost effective solution to your material elevating needs.



HEAD SECTIONS

Hayes & Stolz Bucket Elevator Head Sections and Caps are designed to provide efficient discharge as established by the specific products' material characteristics, the proper elevator bucket style and elevator operating speed.

- An adjustable throat plate is provided to further ensure proper discharge.
- The standard lagged, crowned-face head pulley is mounted with outboard pillow block bearings and jacking bolts located under each bearing for leveling the pulley at installation.
- UHMW shaft seals provide for weather and dust-tight operation.
- Inspection and access doors are furnished in the discharge throat and pulley lagging maintenance areas.
- The cap is a split design for easier handling during maintenance operations.

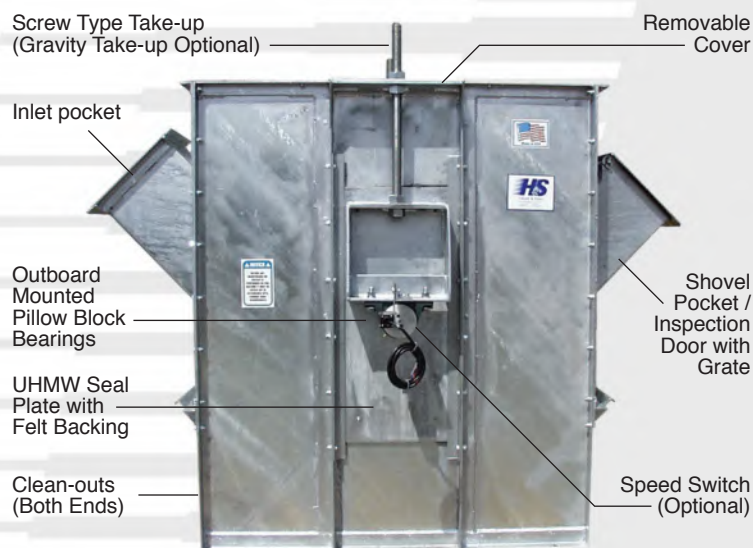


Head Section

STANDARD BOOT SECTIONS

Standard Hayes & Stolz Bucket Elevator boot sections include a crowned face boot pulley mounted with outboard pillowblock bearings and external screw-type manual take-ups.

- The inlet pocket, mounted on the "up" side of the elevator, is the same width as the elevator bucket size.
- The boot includes two clean-out doors, an inspection door/shovel pocket with safety grate, and boot shaft seals with UHMW and felt for dust control.



Boot Section

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71-A BOOT SECTIONS

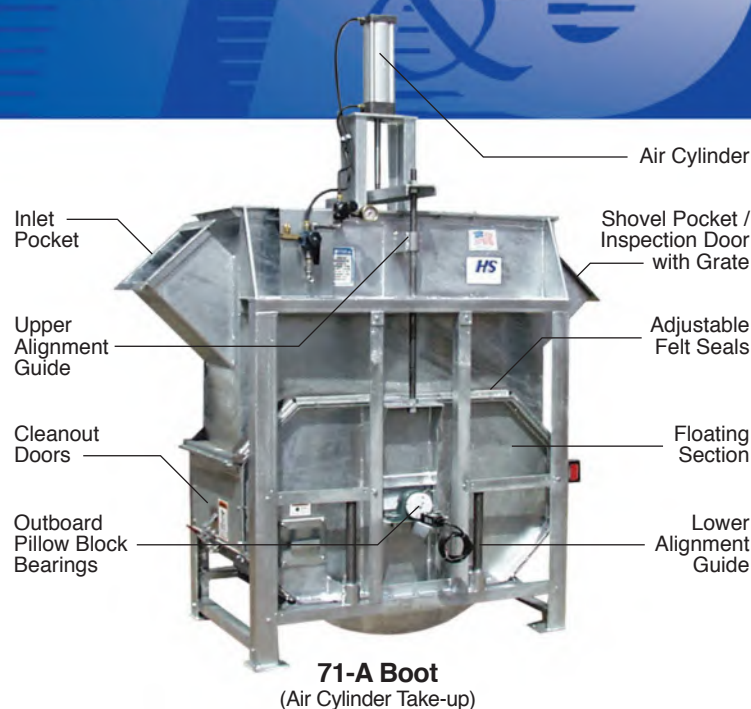
The Hayes & Stolz 71-A 'Tension Minder' Boot Section is designed for applications requiring a self-cleaning boot.

- The 71-A boot features a contoured floating bottom section with adjustable felt seals and a wing type boot pulley mounted with outboard pillowblock bearings.
- The design allows for nominal 1/4" bucket clearance at all times.
- Constant belt tension is set and maintained by a pneumatic air cylinder and a pressure regulator pushing the floating bottom section downward. Manual screw take-ups or weight box take-ups are available.
- Positive alignment is maintained by upper and lower telescoping alignment guides.
- The inlet pocket, mounted on the "up" side of the elevator, is the same width as the elevator bucket size.
- The boot includes two clean-out doors, an inspection door/shovel pocket with safety grate, and UHMW boot shaft seals.

CASING SECTIONS

Casing Sections for Hayes & Stolz Bucket Elevators are furnished standard as double-trunk, unitized casings in 10 ft. lengths.

- Optional Box Casings are available.
- Shorter casing sections are furnished to achieve the desired discharge height.
- Each elevator assembly includes one 7 ft. long inspection casing with 5 ft. long removable panels on front and back for bucket access.
- Casing sections are jig built with flanges parallel and square which is essential for proper field assembly.



**Standard Unitized
Double-Trunk Casing**



Optional Box Casing

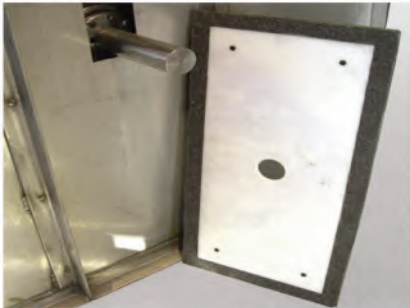


STANDARD ACCESSORIES AND OPTIONS

Hayes & Stolz Bucket Elevators are available with accessories and options for an extensive range of industries and applications.



Standard Head Shaft Seal
Machined UHMW Shaft Seal



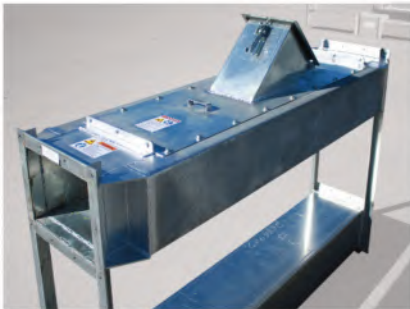
Standard Boot Shaft Seal
Machined UHMW Shaft Seal
Felt Picture-Frame Take-up Plate Seal



Optional Split-Gland Boot Shaft Seal



Standard Shovel Pocket with Grate



Standard Inspection Section (Double-Trunk)



Standard Inspection Section (Box Casing)



Standard wedge-Type Boot Clean-out



Optional Inlet Magnets

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STANDARD ACCESSORIES AND OPTIONS

OSHA 1910.28 FALL PROTECTION REQUIRED
<https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.28>



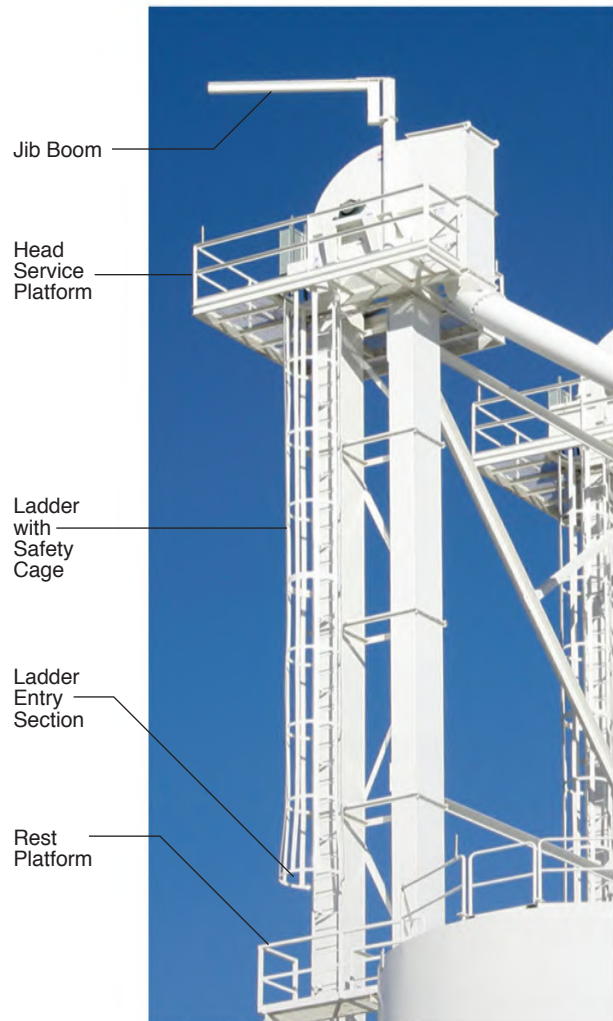
**NFPA Explosion Relief
Panels in Standard Casing**



**NFPA
Explosion Relief
Vent in Standard Cap**



**MSHA Guarded Boot
(Shown with Lexan Viewport)**



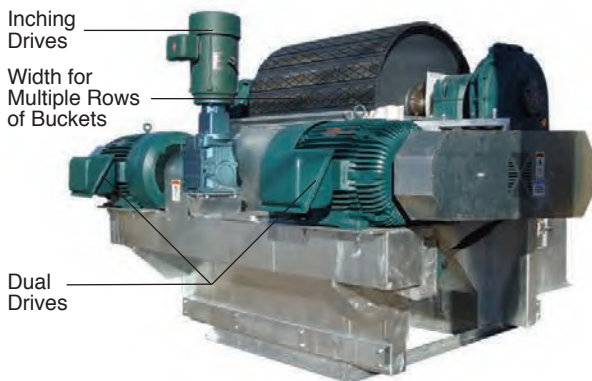
Platforms, Ladders, Jib Booms

Also Available (Not Pictured):

- Speed Switches
- Bearing Temperature Sensors
- Belt Alignment Sensors
- Elevator Monitoring Systems



STANDARD ACCESSORIES AND OPTIONS



High Capacity Elevators



Optional Direct Drive Arrangement



Head Take-up Elevators



Optional Liner Materials

- Polyurethane
- UHMW Polyethylene
- Ceramic Tile
- Abrasion Resistant (A/R) Steel
- Welded Overlays



Chain Elevators

HAYES & STOLZ

Hayes & Stolz Industrial Manufacturing Company offers a wide variety of mixing, blending, processing and material handling equipment to serve your needs, including:

Batch Mixers
Continuous Blenders
Bucket Elevators
Distributors
Gates
Valves
Rotary Scalpers
Horizontal Coolers
Coaters

Other Services:
Laser / Water Jet Cutting
Contract Manufacturing

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