More Sweet® Features

Rubber Belting
- Engineered to exact strength (PIW) requirements
- Static conducting, oil and fire resistant rubber belt
- PVC belting optional

Heavy-Gauge Trunking
- Provides structural support at all discharge heights
- Continuous weathertight lockseam construction standard
- Bolted construction optional

Crown-Face Drum/ Elevator Boot Pulley
- Slotted wing-style, self-cleaning pulley optional

Screw Take-Ups
- For easy belt adjustment (gravity take-ups – Titan Series standard, all other models optional)

Heavy-Duty Flange Bearings
- No bearing seals are exposed to interior of boot
- Pillow block with split housings
- Spherical roller bearings on Titans

UHMW Bearing Seal Plate

Reinforced Boot Sides

Galvanized Trunking Flanges
- Welded in a precise fixture for cost savings in erection
- Trunk sections stack straight

Safety Labels
- Appropriately applied throughout the bucket elevator

Sweetheart™ Steel or High-Density Polyethylene or Injection Molded Nylon and/or Polyurethane Buckets Available
- Accurate capacity ratings

Sectional Service Panels (Atom Through Ace II)
- Allow easy authorized access for belt and bucket maintenance
- Four modular 2’ panels, front and rear

Tapered Boot Hopper
- Properly directs flow for maximum bucket fill with 10GA galvanized liner or other optional liners

Boot Clean-Out
- Provide easy access and clean-out

“The Quality Line” Always the Best Value
Why Specify Silver-Sweet® Galvanized Bucket Elevators

Compare the Features

**Heavy-Duty Spherical Roller Bearings (Aristocrat Through Titan)**
- Taper pinned to angle frame

**Contoured Head**
- Directs grain towards discharge
- Reduces back-legging and wear
- All bolted — no welding

**Split Head Cover (Aristocrat Through Titan)**
- Slide open design allows for easy replacement of head liner

**Heavy-Gauge Angle Frame**
- Hot-dipped galvanized

**Large Diameter Head Shaft**
- Shaft is C1045 Turned, Ground, & Polished (TG&P)

**Jacking Plate (Atom Through Titan)**

**Crown-Faced Head Pulley**

**Replaceable Slide Lagging (Apollo Through Titan)**
- Double-bushed hub

**Lagging Service Door on Both Sides**

**Integral Gusset**
- Galvanized one piece

**Full-Length Angle Frame**
- Includes discharge area
- Hot-dipped galvanized

**Adjustable Rubber Throat Baffle**

**Permanent Mechanical Fasteners**
- Eliminate welding

**Hinged Quick-Latch Inspection Doors on Both Sides**
- Permits easy access to elevator head discharge and throat baffle area
### Standard Specifications — Silver-Sweet® Bucket Elevators

#### Capacities at a Glance

<table>
<thead>
<tr>
<th>Series</th>
<th>Model</th>
<th>Pulley dia.</th>
<th>Bucket Size</th>
<th>N Spacing</th>
<th>Cap bu/hr</th>
<th>Cap Cu.ft./hr</th>
<th>MTPH</th>
<th>FPM Belt Speed</th>
<th>Pully RPM</th>
<th>Guage Head Liner</th>
<th>Guage Head</th>
<th>Guage Boot</th>
<th>Guage Legging</th>
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<tbody>
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<td>14†</td>
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</tbody>
</table>

*All 14 gauge over 50’. **All 14 gauge over 80’. ***All 14 gauge over 100’. † Heavier gauge available as optional. All capacities rated using Sweetheart™ Steel Buckets. Capacity ranges are based on 75%-90% bucket fill. Optional plastic elevator buckets available. ‡ 65 lbs/ft³.
Alternate Discharge (45˚ Discharge Standard on Titan)

Service Section Door Service Section Door

Bantam II Through Ace II

(Monarch and Titan)

Casing of elevator (Monarch and Titan)

Belt Dimensions and Bucket Spacing

Discharge Flange Assembly

16 gauge and 14 gauge Lockseam Trunking

Dimensions are approximate to the nearest whole inch and are subject to change without notice.

Boot Gravity Take-up (Titan Series)

Options

For Bucket Elevators

Head Service Platform

Cage and ladder

Double 8' Bolted Access Panel

Explosion Relief Panel-Trunking

Explosion Relief Panel-Head

Boot Gravity Take-up

Alternate Construction

For Bucket Elevator Trunking

Aristocrat Bolted Trunking

Titan Bolted Trunking