

GRAIN STORAGE AND HANDLING EQUIPMENT



BUILT
for LIFE™

 **SCAFCO**[®]
Grain LLC

Serving Agriculture and Industry Since 1954

SCAFCO Farm Bins are available in diameters ranging from 12' to 48' (3.66 m to 14.63 m)

Capacities up to 55,827 bushels (1,500 metric tons)



SCAFCO Commercial Bins are available in diameters ranging from 15' to 105' (4.57 m to 32 m)

Capacities up to 697,000 bushels (18,900 metric tons)



Grain Bin Features

- 42 2/3" (1.08 m) tall corrugated sheet.
- 2 2/3" (67.7 mm) pitch and 1/2" (12.7 mm) deep corrugation.
- 57 ksi (393 MPa) minimum yield strength.
- All bins are furnished with SAE grade 8 (equivalent to DIN 10.9) heat-treated bolts that exceed 1,000 hours of salt spray testing.
- Designed for 90 mph (145 kph) wind speeds standard with options ranging up to 156 mph (250 kph).
- Available for seismic zones worldwide.
- U.S.A. Domestic Mill Certified Prime Steel.



Walk-In Doors

- Standard 28" x 60" (711 mm x 1524 mm) door on all farm bins through 48' (14.63 m) diameter
- Welded frame, reinforced outer door panels, and three hinged inner door flaps with positive locking bars
- Doors bolt into place easily with corrugated welded door jambs



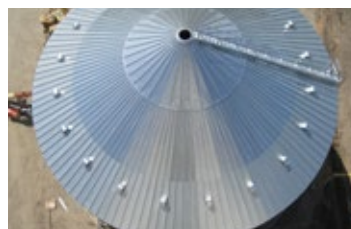
Inspection Hatch

- All bins 12' (3.66 m) diameter and larger feature convenient roof hatches for safety
- Hatches open to the right rather than uphill on the roof, facilitating safer entry and egress from the bin
- The inside dimension measures 18" x 30" (460 mm x 760 mm)



Access Doors

- Heavy-Duty 23 1/2" x 26" (597 mm x 660 mm) access door, factory welded into the bins wall sheet



Roof Structures

- Deep-rib corrugated roof panels and 100% galvanized roof support structures



Heavy Duty Stiffeners

- Surpasses compressive strength of open-faced models
- Can handle the draw-down of very tall bins and severe seismic loads
- Base plate is factory welded to the bottom stiffener



Hopper Bottom Bins are available in capacities from 130 to over 55,000 bushels (3 to 1,500 metric tons) in a wide variety of sizes

Features and Benefits

- Offers advantages of complete bin cleanout and lower material handling costs.
- Structural supports can elevate bins above rail sidings or truck driveways.
- Standard 2 2/3" (67.7 mm) pitch corrugated steel wall sheets.
- 57 ksi (393 MPa) yield strength.
- U.S.A. Domestic Mill Certified Prime Steel.

Hopper Bottom Ladders

- Ladders available for all SCAFCO hopper bottom bins.
- Provide easy access to the roof and access door.
- Safety cage and rest platforms for bins with eave heights greater than 20' (6.1 m) and 25' (7.63 m), respectively.



Hopper Support Structure

- Available for hopper bottom bins from 9' to 15' (2.74 m to 4.57 m) diameter
- Provide safe, effective support for truck and rail loading bins
- Bolt-together design eliminates the need for on-site welding and provides fast and easy construction



Hopper Bottom Bin Aeration

- Rigid perforated and corrugated galvanized steel pipe
- Fans mount below the hopper, directing air into internal ducts and up through the grain mass

All SCAFCO accessories are available on any size bin, including optional roof stairways, interior and exterior ladders, side discharge kits, aeration systems, and doors for machinery access



Complete Ladder Systems

- Ladder systems available for inside and outside the bin
- Safety cages and rest platforms for sidewall heights above 20' (6.10 m)
- Spiral stairs are also available for all bins



Roof Stairs

- Galvanized stair beams and brackets, non-skid stair treads, and handrails
- Platform at the eave of the inspection hatch for safe access to this area



Side Discharge Systems

- Allow gravity load-out to truck or rail cars
- Two side discharge systems may be installed in a single bin
- Available with 12" (300 mm) square discharge bin flange and rack and pinion gate



Aeration Systems

- Available in Perforated Full Floor, Flush Floor, Commercial Double-H Pattern, Quad-F Pattern, etc
- Low and high speed centrifugal fans in both 50 and 60 Hz
- Axial and inline centrifugal fans



Bucket Elevators

- Strong, reliable, and designed to be fast and efficient for all stages of material handling
- Engineered to meet specific agricultural, commercial, and industrial requirements
- Heavy-duty, crowned-face, double-disc drum pulley with static-conductive, oil-resistant and fire retardant lagging is standard on all models
- Elevator heads are contoured hoods that minimize wear, improve material discharge flow, and offer easy interior accessibility
- Weather-tight service panels are featured on each side of the elevator head for easy maintenance
- Trunk sections are connected using a unique splicing design, with no welding required
- Buckets are constructed from a durable non-sparking polyethylene. Steel, nylon or urethane buckets are also available
- Built to OSHA safety standards, SCAFCO platforms provide easy access to the motor and drive
- Energy-efficient motors available in both 60 and 50 Hz
- Designed and built in the USA



Chain Conveyors

- Maximize performance and reduce operating costs
- Heavy-duty all-bolted galvanized steel construction with easy access to all vital components
- Standard sizes are 8", 12", 16", and 21" (204 mm, 305 mm, 406 mm, and 533 mm). Custom sizes are also available upon request
- Minimum 8 gauge (3.80 mm) bearing mounts on all conveyors
- Heavy-duty chain tension take-up system
- Standard roller chain or welded steel chain is used on high capacity conveyors
- Energy efficient motors available in both 60 and 50 Hz
- Designed and built in the USA



Catwalks & Towers

- SCAFCO structural steel catwalks and towers are custom-designed to meet project requirements
- All custom towers bolt together on site and can be designed to meet varying live, wind and seismic load requirements
- Hot-dip galvanized to ensure many years of maintenance-free reliability
- All-galvanized steel catwalks are available in standard widths of 48", 58", and 68" (1.22 m, 1.47 m, and 1.72 m), with clear spans up to 50' (15.25 m)
- Towers are designed with integral spiral stairways and platforms and are constructed with structural steel columns, beams, and braces