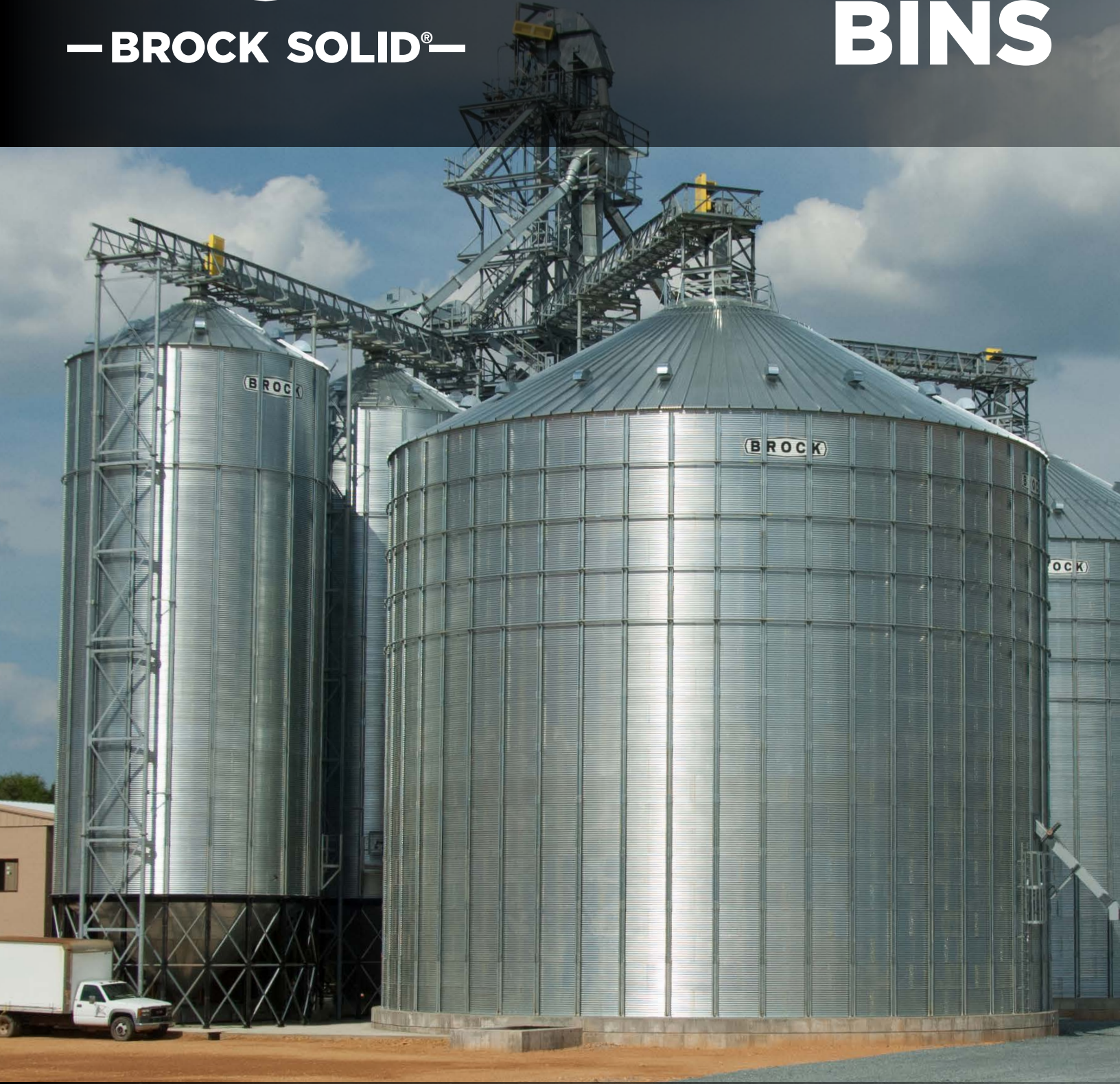




— BROCK SOLID<sup>®</sup> —

# STIFFENED STORAGE BINS



Safeguarding Your Grain<sup>®</sup> Since 1957

# Protecting Your Investment

**W**hen months of hard work go into producing a grain crop, trust it to the best in stiffened storage bins: Brock.

Brock Solid® is our guarantee of trusted reliability you can count on day in and day out. It's unmistakable quality, built to last year after year. And it's the same guarantee we founded the company on back in 1957.

Today, our dealers continue to uphold those standards, providing the superior service and support customers expect from Brock. Brock Solid means you can depend on them and us. Times may change, but our solid values are stronger than ever.

Whether you're a grower storing your own grain or a commercial operation entrusted with safeguarding your customer's crops. Brock Solid delivers. Always has, always will.



**Top Quality** prime steel sidewall body sheets provide high tensile strength and offer the long-lasting durability that customers have come to expect from BROCK® products.



**"High Rise" 3-Step Roof Ribs** provide unsurpassed durability along with some of the highest peak load capacities available.



**All-Galvanized Steel** stiffener design carries 100% of the bin's vertical load stresses and leads the industry in strength. Stiffeners are assembled with bolt heads inside bin and flange nuts outside for easier assembly and to minimize interior grain hang up points.



**Brock Latch-Lock®** Walk-Through Bin Entry Doors offer safe, convenient access with a one-piece outer door and interlocking inner panels that open, in sequence, from top to bottom, with a lift of a latch.



**High Strength Bin Assembly Bolts** are a Grade 8.2, with long life JS1000™ coating for superior weather- and corrosion-resistance.

The JS1000 trademark is not owned or licensed by CTB.



**Anchor Rod/Bolt System** is included on all models. The adhesive or cast-in anchors provided meet new ACI concrete code requirements to help create a strong, weather-tight connection to the foundation, protecting your investment from winds up to 90 mph (145 kph).



**FULL SWEEP®** Bin Anchoring System is standard on bins 72 feet (22 m) in diameter and larger. This unique anchor system safely handles normal bin stresses from single-pass sweep operation. It also helps prevent moisture penetration by firmly anchoring the bin.

# Flat-Bottom Bins



Farm and commercial operations alike trust Brock's EVEREST® Flat-Bottom and Hopper-Bottom Stiffened Bins to store high capacities of grain. The EVEREST Bins feature the latest design breakthroughs available for grain bin technology:

- Taller grain bins save money and store more grain in a smaller footprint.
- Brock LATCH-LOCK® Walk-Through Bin Access Door is included with all stiffened flat-bottom bin models.
- Brock's working bin specification is the standard bin design - no special modifications are needed!
- Meets updated structural and environmental requirements.
- Robust bin design includes:
  - + Updated wind ring patterns to better protect the bin's weather-resistance and to provide increased protection for side discharge applications.
  - + Efficient sidewall stiffener configurations carry 100% of the bin's vertical load stresses.
  - + Sidewalls with strength-providing vertical seam matrixes meeting the American Iron & Steel Institute's code requirements without adding needless steel thickness and cost.

Bin Diameters: 15-156 feet (4.6-47.5 m)  
 Grain Capacity Range: 2,978-1,338,574 bushels (99-44,500 cubic meters)  
 Eave Height Range: 19-107 feet (5.73-32.55 m)  
 Allowable Roof Peak Load Capacity Range: 4,800 to 130,000 pounds (2,177 to 59,000 kg)

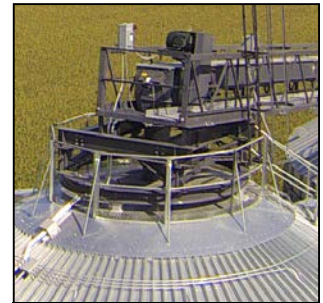
### Brock Roof Peak Load Comparison for EVEREST® Bins\*

BIN DIAMETER		30 PSF [146 KG/M <sup>2</sup> ] GROUND SNOW LOAD		40 PSF [195 KG/M <sup>2</sup> ] GROUND SNOW LOAD		TEMPERATURE CABLES CONSIDERED	UNBALANCED LOADS CONSIDERED
FT	M	LBS	KG	LBS	KG		
60	18.3	45,000	20,500	37,000	16,800	Yes	Yes
72	21.9	70,000	31,800	60,000	27,300	Yes	Yes
75	22.9	75,000	34,100	60,000	27,300	Yes	Yes
78	23.8	75,000	34,100	60,000	27,300	Yes	Yes
90 STD	27.4	60,000	27,300	35,000	15,900	Yes	Yes
90 HVY	27.4	75,000	34,100	65,000	29,500	Yes	Yes
105 STD	32.0	100,000	45,400	60,000	27,300	Yes	Yes

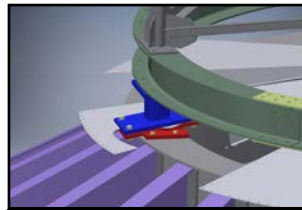
\*These roof peak loads are for market comparison only. This table takes into consideration pure vertical peak loads applied uniformly on the roof's compression ring including temperature cable loads and balanced as well as unbalanced snow loads. Horizontal forces and eccentric forces due to equipment design and/or installation were not considered in this table.

# EVERLOC® Roof Mount System

Brock's EVERLOC® Roof Mount System efficiently and uniformly connects bins with Brock's LeMar® Catwalk and Tower Support Systems. This helps control how the peak load is transferred to the bin's compression ring.



With Higher Bin Roof Peak Loading, it is crucial to safely transfer loads correctly and directly into the roof structure. The Brock EVERLOC® Roof Mount System's support components are attached directly to the roof structure during bin construction to ensure proper load transfers into the structure.



This cutaway shows how the EVERLOC® Mount System attaches directly to the bin's compression ring.

# Hopper-Bottom Bins

BROCK® Stiffened Hopper-Bottom Bins are ideal for a wide range of temporary or transitional commercial storage applications, such as wet holding, seed storage, blending, commodity containment, tempering after drying or storage prior to loading a truck. Though primarily intended for short-term applications, these bins are flexible to handle most storage demands and to provide decades of reliable service.

Bin Diameters: 15-36 feet (4.57-10.97 m)  
 Capacity Range: 3,145-58,723 bushels (105-1,952 cubic meters)  
 Eave Height Range: 30-83 feet (9.18-25.17 m)



Strong 30° Roofs help support up to 7,500 pounds (3,400 kg) of roof-mounted conveying equipment, depending on bin diameter.



Steep Hopper Angles (up to 60°) aid the unloading of wet or dry whole kernel grains of many types.

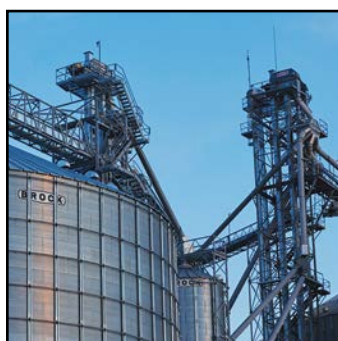








# A Full Line of Brock Solid® Solutions



## Storage

- Stiffened & Non-stiffened Grain Bins
- Stiffened & Non-stiffened Hopper Bins
- Temporary Storage
- Bin Access Doors
- Grain Aeration Floors

## Handling

- Grain Sweeps
- Grain Conveyors
- Bin Unloading Systems
- Bucket Elevators
- Distributors & Accessories

## Conditioning

- Low-Profile Grain Dryers
- Tower Grain Dryers
- Centrifugal & Axial Fans
- Heaters
- Controls

## Structures

- Catwalks
- Bucket Elevator Towers & Stairways
- EVERLOC® Roof Mount System
- Support Towers
- Slot & Tab Construction

**F**or 60 years, farmers have counted on Brock for reliable, quality grain storage. That focus on providing dependability has led to technological advances and expansion through the years, resulting in the full line of grain facility solutions that are available today.

Whether you're a farmer interested in a grain dryer or a commercial operator in need of grain storage equipment, you'll find the quality you've come to expect and the trusted integrity you deserve.



**— BROCK SOLID® —**

**Safeguarding Your Grain® Since 1957**

## BROCK GRAIN SYSTEMS

A Division of CTB, Inc.  
A Berkshire Hathaway Company  
Toll-Free: 866.658.4191  
Phone: +1 574.658.4191  
[www.brockgrain.com](http://www.brockgrain.com)  
Email: [brock@brockgrain.com](mailto:brock@brockgrain.com)