

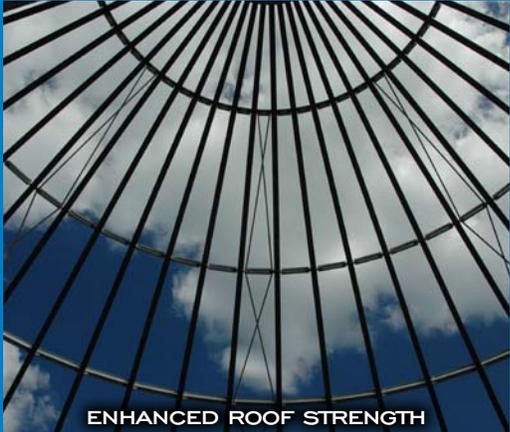
NEW
HEIGHTS OF
ENGINEERING
EXCELLENCE
Roof Peak Load
Capacities Up To
130,000 Lbs!



E-SERIES GRAIN STORAGE BINS/SILOOS



EXCEPTIONAL SIDEWALL STRENGTH



ENHANCED ROOF STRENGTH



EFFICIENT STIFFENER DESIGN



EXCLUSIVE BIN ANCHOR SYSTEM

EXCELLENCE IN ENGINEERING™



THE BINS OF THE FUTURE TODAY!

BROCK'S EVEREST® GRAIN BIN LINE IS DIFFERENT & BETTER ... BY DESIGN

Now you can take your grain storage to greater heights and larger capacities! Brock's new EVEREST® E-Series line of grain bins offers the tallest bins/silos with eave heights increasing up to 16 feet (4.9 m) on some models and higher grain-holding capacities – up to 1.3 million bushels on some models – to help meet the challenges of larger storage requirements presented by trend-line grain yield increases.

In addition to scaling to greater heights and the capacity to store more grain, the E-Series design features innovative changes to roof structure, body sheets, bin stiffeners, anchoring systems and accessories while also meeting or exceeding new grain industry standards. A new peak support connection is available.

ENHANCED ROOF PEAK LOAD STRENGTH – UP TO 130,000 POUNDS!

The EVEREST Bin line offers greater roof peak loading capacities – up to 130,000 pounds (59,000 kg) with a uniformly-distributed pure vertical load depending on bin diameter and model. This load capacity is based on 30 pounds per square foot (146 kg per square meter) ground snow load.

EXCEEDING EXPECTATIONS™

Brock's EVEREST Bins do not stop with just offering higher allowable roof peak loading capacities! A bin's true strength and integrity is the result of combining the bin's overall roof, sidewall and bin anchoring design strengths.

EVEREST Bin roof designs meet **all** of the following:

- ▲ Allowable roof peak loads for different applications.
- ▲ Ground snow load based on 30, 40, 50 or 60 pounds per square foot (146, 195, 244 or 293 kg per square meter). The professional analysis for roof loads considered both balanced and unbalanced snow loads.
- ▲ Temperature control cable loads based on up to 2,000 pounds (907 kg) per temperature control cable for the taller bins. EVEREST Bins are designed to accommodate the load from multiple temperature cables – check with Brock for the details.
- ▲ Dead load weight of the structure itself which will vary depending on bin diameter and model. This weight is the sum of the bin's roof structure and roof panels.
- ▲ Bin safety anchor points located on the compression ring.
- ▲ Rafters equipped with safety anchor points at the interior perimeter for in-bin safety.

Brock Roof Peak Load Comparison for EVEREST® E-Series Bins/Silos*

BIN DIAMETER		30 PSF [146 KG/M ²] GROUND SNOW LOAD		40 PSF [195 KG/M ²] GROUND SNOW LOAD		TEMPERATURE CABLES CONSIDERED	UNBALANCED LOADS CONSIDERED
FEET	METERS	POUNDS	KILOGRAMS	POUNDS	KILOGRAMS		
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
105 HVY	32.0	130,000	59,000	100,000	45,400	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.

EXCELLENCE IN ENGINEERING™

EFFICIENT STIFFENER DESIGNS

Brock's sidewall stiffeners are among the strongest and the most efficient available to help bins manage the stress and strain of weather, stored grain, temperature cables and roof-mounted equipment. The bolt hole patterns used for the EVEREST Bin's stiffener design provide more efficient connections, ensure stiffener alignment and increase strength for:

- ▲ Improved handling of internal forces and pressures generated by the grain.
- ▲ Taller bin models offering more grain capacity.
- ▲ Higher roof peak weight loads.
- ▲ Brock's HERCULES™ Support System that innovatively utilizes the bin's sidewall stiffeners as LEMAR™ Support Tower connections.

EXCLUSIVE BIN ANCHOR SYSTEM

Brock's unique FULL SWEEP® Bin Anchoring System (patent pending) allows for the safe operation of single-pass sweeps in all Brock EVEREST Grain Storage Bins:

- ▲ Standard feature on all bins 72 feet (22 m) in diameter and larger.
- ▲ Safely handles normal bin stresses generated during single-pass sweep operation.
- ▲ Saves time, reduces labor and eliminates the need for bin entry during the sweep process.
- ▲ Firmly reinforces the bottom-tier sidewall body sheet to anchor the bin and to prevent moisture penetration.



EASY ACCESS TO BIN INTERIOR

Why struggle to squeeze through a small, tight opening when you could just open a door to walk into your grain bin for inspections? A standard feature on all EVEREST E-Series Bins is Brock's LATCH-LOCK® Walk-Through Bin Door. This two-ring tall door makes entering even the largest grain bins easy:

- ▲ The one-piece outer door opens wide to latch securely against the side of the bin.
- ▲ The door's three or four inner panels open in sequence from top to bottom with a simple lift of the patented latches. No tools are required.
- ▲ Meets recommendations for bin entry, rescue and safety standards.



EXCEPTIONAL SIDEWALL STRENGTH

The EVEREST Bin's sidewalls defend stored grain from weather while also providing critical strength components vital to the bin's structure:

- ▲ Efficient vertical seam patterns provide improved strength for body sheet connections in both narrow- and wide-corrugation bin models.
- ▲ Thicker body sheets (up to 5 gauge) resulting in fewer laminated sidewall panels and more efficient use of optimal sidewall thicknesses at all levels of the bin.
- ▲ Standardized 3/8-inch (9.525-mm) diameter bolts on narrow-corrugation sidewall connections provide more efficient connections and fewer hardware sizes in assembly.
- ▲ JS-1000™ bolt coating contributes improved bolt life expectancy and corrosion protection.

JS-1000 is not owned or licensed by CTB and is the sole property of its respective owner.





DIFFERENT BY DESIGN™

ELEVATE YOUR GRAIN MANAGEMENT WITH INNOVATIVE SOLUTIONS FROM HARVEST TO MARKET®

Elevate your grain management to do business more efficiently and profitably using Brock's INNOVATIVE SOLUTIONS FROM HARVEST TO MARKET®. Brock's reliable, benefit-driven solutions in the areas of grain storage, drying, conditioning and handling are designed to work together to help you add value and to support growth in your business now and for generations to follow.



COMMERCIAL HOLDING BINS

BROCK OFFERS MORE THAN GRAIN BINS!



CONVEYORS & SUPPORT STRUCTURES



AERATION & CONDITIONING



DRYING SYSTEMS & CONTROLS



SWEEP SYSTEMS



BROCK GRAIN SYSTEMS

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