

MILLION BUSHEL BIN



TOTAL VALUE. TOTAL SYSTEMS.™



GSI MILLION BUSHEL BIN



HIGH STRENGTH SIDEWALL AND DOUBLE LAMINATED SHEETS

The GSI Million Bushel Bin uses a new high strength six bolt connection and up to 5 gauge sheets. This bin is constructed with double laminated 6 gauge sheets in the bottom rings versus competitors thinner triple laminated sheets.



70,000 PSI HIGH-STRENGTH STIFFENER COLUMNS

Tank strength is further maximized through the use of GSI's strong upright stiffener columns which carry the vertical load of the bin to the foundation. Manufactured from high strength 70,000 PSI (483 MPa) steel, GSI's stiffeners feature strong splice joints with large cross sectional areas, both critical elements of vertical stiffeners. These stiffeners are galvanized and mounted externally.



BIN ACCESS

A standard two ring sidewall door is supplied with each million bushel bin. This door has a two piece inner door design that allows for easy access to your sweep. An optional vehicle traffic door is available for greater access.



HARDWARE

Heavy zinc plated, high strength, dichromate coated bolts up to grade No. 8 are used on all GSI bins. Each bolt has a special sealing washer for an unbeatable weather seal. Six bolt seams hold each sheet securely in place.



FREE SPAN ROOF

GSI's free span roof uses I-beam roof supports and a standard 10' center peak platform providing a large surface to attach overhead equipment, spouting, etc. without costly field fabrication.



HIGH TENSILE/FULLY OVERLAPPING ROOF PANELS

GSI bin roof ribs are taller, fully double lapped and have four extra reinforcing ledges. The roof ribs, together with corrugated panels and 55,000 PSI high tensile steel, combine to form an exceptionally strong and reliable roof panel system. Each roof panel is manufactured using GSI's exclusive, fully automated, roll forming line. This insures a precise and consistent fit throughout assembly and helps maintain a tight seal to steel seal between panels. Only GSI offers this level of accuracy in roof panel manufacturing.



ROOF VENTS FOR INCREASED EFFICIENCY

GSI's hinged grill vent features a vertically mounted, large mesh, wire formed screen to keep out pests and swings freely open to allow easy release of trash buildup. The vents

are assembled with a heavy duty lock seam for added strength. Pre-punched, extruded lip roof panels and a special die-cut gasket help provide a weather tight connection between the vent and roof panel. GSI also manufactures a power roof exhauster for situations requiring greater airflow.

SIDEWALL LADDERS

Each bin can be ordered with a sturdy sidewall ladder for easy access. Each ladder section is made from roll-formed side rails with press fit dimpled rungs. Ladder sections are attached to the bin wall with compression type connectors to allow for easy assembly and adjustment.

CUSTOM FLOOR DESIGNS.

GSI manufactures fans, transition and flush floor aeration systems custom designed for the GSI Million Bushel Bin.



GSI MILLION BUSHEL BIN REASONS TO BUY:

- **FREE SPAN ROOF WITH 50K PEAK LOAD**
- **EXCLUSIVE 6 GAUGE DOUBLE LAMINATION**
- **NEW HIGH STRENGTH 6-BOLT SEAM PATTERN**
- **10' ROOF PEAK FLAT TOP**
- **I-BEAM ROOF SUPPORTS**
- **GSI SERIES II ONE PASS SWEEP DESIGNED FOR MILLION BUSHEL BIN.**

A world leader in steel corrugated storage bin manufacturing, GSI introduces the 1.1 Million Bushel Bin. When you need to store large amounts of grain without the labor and handling costs of ground piles and flat storage, the GSI Million Bushel Bin can answer your call. Built to last, this bin is constructed with double laminated, 6 gauge sheets in the bottom rings versus competitors triple laminated thinner sheets. GSI uses the heaviest sidewall sheets in the industry with galvanized material up to 5 gauge. Six bolt seams hold each sheet securely in place. Precise construction elements hold GSI's Million Bushel Bin above the rest allowing for easy erection:

"Everything fit really nice and despite the size, the GSI Million Bushel Bin was no more difficult to put together than a 105' bin."

— Gary King, Foreman for Cross Country Construction
Lead construction of Million Bushel Bin in Big Bow, KS

"We sold and installed the first GSI Million Bushel Bin and it was quite impressive that the first off the line went together so easily. We look forward to selling many more to aid the market."

— Larry McDonald, Woofter Construction (GSI Dealer)

SPECIFICATIONS: BUILD TO SUIT

Dia.	Ring	Max Bu. Capacity	Eave Height (Ft.)	Peak Height (Ft.)	Capacity (Cubic Ft.)	Metric Tons 800 kg/m ³	Metric Tons 721 kg/m ³	Metric Tons 640 kg/m ³	Eave Height (Meters)	Peak Height (Meters)	Max. Cap. (Cubic Meters)
135	27	1013296	72' 2"	108' 2"	1189189	28557	25736	22845	22.00	32.97	33674
	28	1045478	74' 10"	110' 10"	1226957	29464	26553	23570	22.81	33.78	34744
	29	1077660	77' 6"	113' 6"	1264725	30371	27370	24296	23.62	34.59	35813
	30	1109842	80' 2"	116' 2"	1302494	31278	28188	25021	24.43	35.41	36883

Capacity based on 28 degree angle of repose and 6% compaction.

LOOK FOR THESE OTHER QUALITY GSI COMMERCIAL PRODUCTS...



COMMERCIAL HOPPER TANKS

- 15' - 36' (4.57m - 10.97m) diameters.
- Holding capacities up to 58,000 BU. (1390 MT).
- Tank stiffeners directly supported by "wide-flange" beam columns.
- All galvanized hoppers with several slope options.
- Customized systems and seismic designs.



BUCKET ELEVATORS & CONVEYORS

- Bucket Elevators with capacities from 1000 BPH to 60,000 BPH. (25 to 1524 MT)
- En-Masse Conveyors with capacities from 1000 BPH to 40,000 BPH. (25 to 1000 MT)
- Enclosed Belt Conveyors with capacities from 8000 BPH to 57,000 BPH (200 to 1425 MT)



STACKED DRYER

- Capacities up to 4000 BPH. (101 MT)
- Dryer units stack for future expansion.
- Heat reclaimer option for up to 30% fuel savings.
- Large grain holding capacity allows for higher bushels per hour to consistently achieve maximum drying. Long retention times result in better grain quality.



COMMERCIAL TOWER DRYERS

- Drying capacities up to 10,000 BPH (254 MT).
- Sealed, large wet holding garner bin.
- Stainless steel, roll formed, exterior sheeting.
- Industrial quality components.
- Inside and outside safety ladders, cages and catwalks provide easy access.
- Walk-in cool and heat sections.
- Significant fuel savings by recycling heat.
- Patented discharge system provides simple, uniform metering and quick dryer clean out.
- 12" wide grain columns and long grain retention.
- Patented electronic monitoring control system mounted inside a NEMA IV fiberglass enclosure.
- Hopper bottom for efficient grain discharge and easy dryer clean out.



MILLION BUSHEL BIN SERIES II SWEEP

- Class II, Group F and G, motor powers the heavy-duty helicoid auger flighting.
- 5 HP C-Face drive motor turns four 23" (584.2 mm) traction tires set in dual configuration.
- Simple to operate, Nema 4 control panel.
- Mounted Class II Speed Reducer for extra power.



www.gsiag.com

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