

COMMERCIAL

Grain Storage Systems



MFS/Stormor: Commercial Grain

Engineered for high capacity, high performance and outstanding value.



Why sacrifice strength and long life for price? With MFS/Stormor, you can have it all!

More than 50 years experience in grain storage systems

We've been in the grain storage business for decades. Commercial grain storage systems from MFS/Stormor are on the job on six continents, protecting the quality of huge volumes of grain in ports, processing and storage facilities of all sizes, types and designs.

A custom approach to every bin design Every commercial bin we quote and build is designed for your specific installation, site and function. We'll consider seismic conditions, frequency of loading and unloading, construction over a concrete hopper, types of material being handled, and other variables. We do our homework ahead of time so you get the system that makes sense for your operation and your budget.

The confidence to offer a 5-year warranty on commercial storage bins

We've made an unwavering commitment to outstanding innovation and engineering, high quality materials, and the latest in manufacturing technology. So we have absolute confidence in the ability of our commercial storage bins to perform over the years.

Industry-leading safety equipment & accessibility


From sturdy ladders and stairs to roomy access doors—everything we do is focused on making your commercial grain storage system as safe and easy to use as possible. These built-in features can help you comply with OSHA guidelines.

Unmatched strength & integrity at a competitive price

Our commercial grain storage systems combine high-capacity storage, outstanding longevity and performance, and unique

Storage Systems

Up to 27% longer life.



Commercial grain storage systems from MFS/Stormor are engineered to handle huge volumes of grain efficiently—while protecting the quality of the grain and the safety of the people working with it.

design features with a very competitive price. Our wide range of options and ability to match our systems to your specific application enhance our ability to keep your system priced right without compromising quality.

Precise engineering for easier construction Bolt holes that line up. Sheets that are right sized, sized consistently and traceable. Sensible bundling of materials for easier handling on the job site. It all adds up to savings of time, labor and headaches.

Innovative design that solves big problems We've engineered features that address key issues such as personal safety, easier access, moisture resistance, structural integrity, stability and long-term performance.

Why G-115(Z350) Galvanization Matters

MFS/Stormor uses G-115(Z350) hot-dip galvanization on key components of every commercial grain storage system.

Industry research indicates that G-115 galvanization can extend the life of the galvanized coating on the bin's surface by up to 27% over competitors who settle for G-90 galvanization.

That means the galvanization on your bin maintains its integrity longer—and that means greater service life, increased reliability, optimal grain protection and a better return on your investment.

ROOF SYSTEMS

Quality starts at the top.

Options to match your commercial bin requirements.

MFS/Stormor offers you a range of roof systems to match your commercial installation requirements and your budget.

72 ft. to 105 ft. Models (21.9 m to 32 m): Larger models typically need extra support due to larger capacity conveyers, catwalks and heavier spouts.

30 ft. to 60 ft. Models (9.1 m to 18.3 m): Option of raftered or non-raftered roof system.

Up to 30 ft. Models (Up to 9.1 m): Non-raftered roof systems are standard and generally meet or exceed roof load requirements for these sizes.

Every roof design has been tested for fit at the factory. All roof designs were initially assembled by our engineers before the first one shipped. This extra quality step means you don't have to worry about dealing with a "prototype" during installation. Every bolt hole lines up. Every sheet matches. Rafters and purlins are precisely manufactured.

We know. Because we already built each size in-house before they were released to manufacturing and shipped to customers.

Engineered for long life and trouble-free construction:

- **G-115(Z350) galvanization on all outer roof sheets and most raftered components**, leading to 27% longer life on areas exposed to the elements. Components that require welding are not galvanized, but are powder coated for optimal protection.
- **30° roof slope** helps void debris and snow from the roof system, without increasing overall bin height.
- **Temperature cable brackets** are easily added to raftered roofs with minimal expense.
- **Powered roof exhausters** are easily added with trouble-free installation on site.
- **Gooseneck vents** with corresponding pre-formed vent opening allow for easier installation.
- **Three roof panels per sidewall sheet** also simplify installation.

Raftered Roof Capacities	
ROOF DIAMETER	ROOF PEAK LOAD
105' [32.00 m]	40,000 lb [18,144 kg]
90' [27.43 m]	40,000 lb [18,144 kg]
78' [23.77 m]	30,000 lb [13,608 kg]
75' [22.86 m]	30,000 lb [13,608 kg]
72' [21.94 m]	30,000 lb [13,608 kg]
60' [18.29 m]	30,000 lb [13,608 kg]
54' [16.46 m]	30,000 lb [13,608 kg]
48' [14.63 m]	30,000 lb [13,608 kg]
42' [12.80 m]	20,000 lb [9,072 kg]
36' [10.97 m]	20,000 lb [9,072 kg]
33' [10.06 m]	20,000 lb [9,072 kg]
30' [9.14 m]	20,000 lb [9,072 kg]

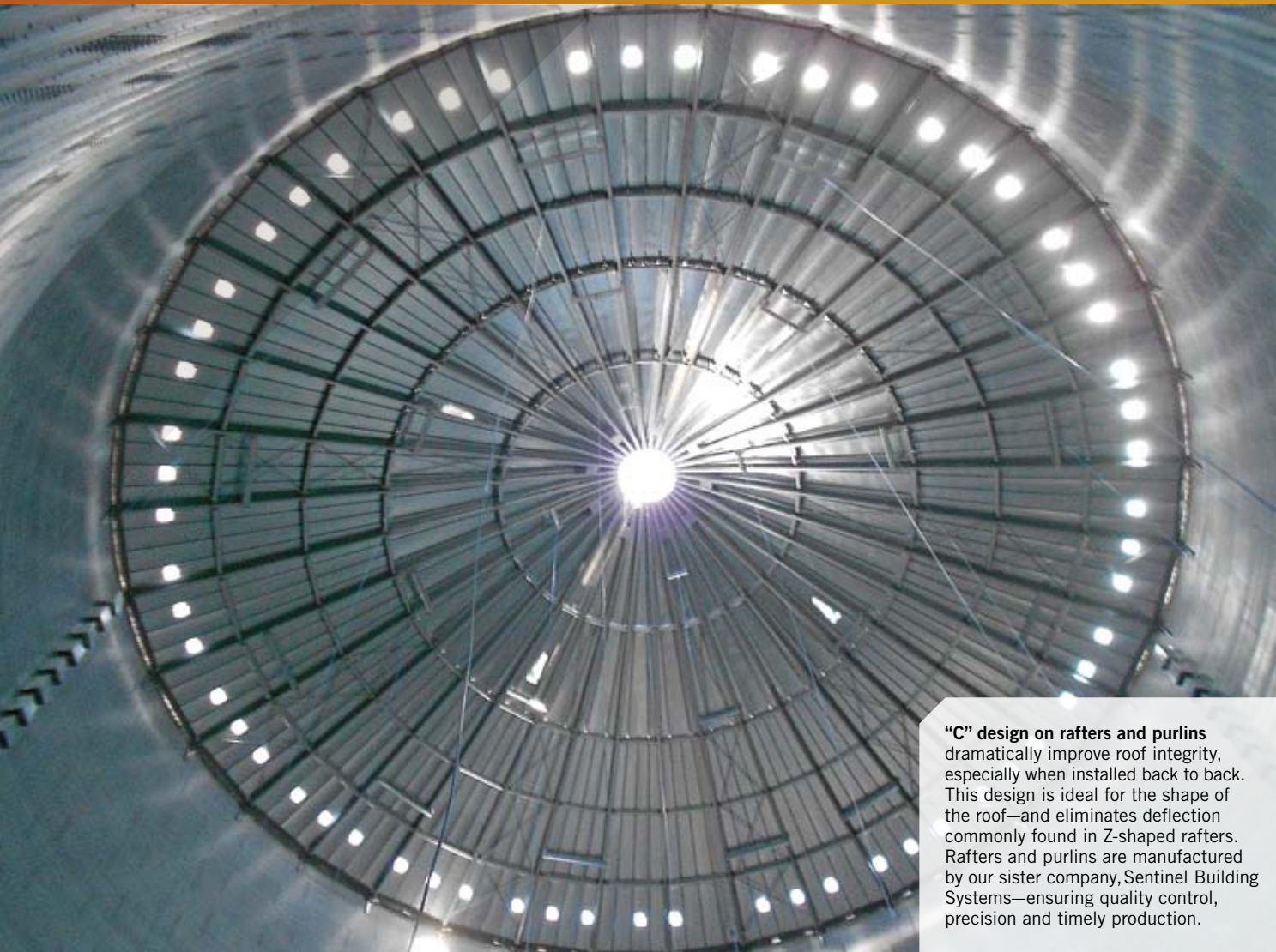


Proprietary state-of-the-art roll former controls the distance between holes from rib-to-rib, not from the edge of the coil like competitive products. The result: Higher quality roof sheets that fit better—with bolt holes that line up every time. Bolts drop right in place. That means trouble-free, labor-saving, frustration-free installation on site.

The Contractor's Choice

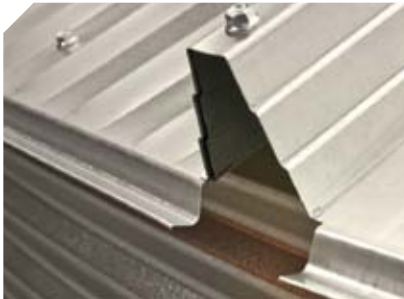
- Fewer parts for quicker, easier construction
- Bolt holes that line up every time for faster installation
- Precise manufacturing for accuracy and trouble-free in-field assembly
- Quality, strength and industry-leading specifications provide confidence and reliability over the long haul

Industry-leading performance,
precision and integrity.

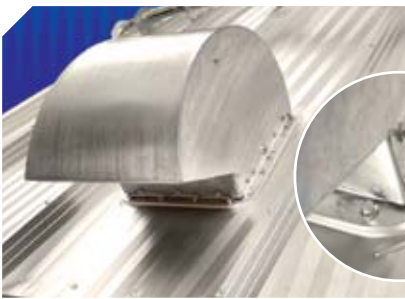


“C” design on rafters and purlins dramatically improve roof integrity, especially when installed back to back. This design is ideal for the shape of the roof—and eliminates deflection commonly found in Z-shaped rafters. Rafters and purlins are manufactured by our sister company, Sentinel Building Systems—ensuring quality control, precision and timely production.

Design details that surpass industry standards—and your expectations.



Extra-tall 3-3/4” (9.5 cm) stair-stepped ribs are staggered to provide even greater strength. Hemmed drip edge deflects moisture, eliminates sharp edges to reduce injury and strengthens the cross-section of the roof sheet.



Well-designed 2.25 sq. ft. (0.686 m²) roof vents for maximum airflow. Vent openings are pre-punched for easy construction and tight fit and seals. Vents feature seamless raised lip (inset) for improved integrity and moisture resistance.



Extra-large manway is sized for plenty of shoulder-room and easy maneuverability, even for large-framed farmers wearing cold-weather gear!

SIDEWALLS

Strength and stability are engineered into our bins.



We're 100% committed to 2.66" corrugation because we know it's simply the best. Commercial grain storage systems are no place for compromise. That's why we use 2.66" (6.76 cm) corrugation on every sidewall sheet—every one. It's best for hoop load, wind load and is performance proven over the years. This corrugation specification provides more steel per square inch when compared to wider corrugation of the same thickness—and that matters when you have tons of grain inside the bin.

NEW! 5 gauge and 7 gauge options We've extended our range of sidewall gauges to match an even wider range of commercial bin applications. These heavier gauges reduce the lamination requirements on larger bins—reducing bin costs and saving time and money in construction.

- **G-115(Z350) galvanization** on every sidewall sheet means 27% longer life.
- **5 gauge to 19 gauge sidewalls available** allowing us to design each bin to match your application.
- **All sheets are identified** for gauge, supplier, coil and date for easy traceability.
- **Precise 7/16" sidewall punching** easily accommodates 3/8" bolts, saving time during construction.



Optional side draw system is a common add-on to MFS/Stormor commercial grain storage systems. Available on most models, side draw installation provides high-speed, economical unloading. Side draw systems include baffles and 12" (30.5 cm) outlet with rack and pinion gate.



Bolt-on base angle provides a strong finished edge to bin bottom and secure seal of bin to foundation when a sealer is added—providing greater integrity over competitors' pre-formed angles that are simply rolled into the sheet.

STIFFENERS

Structural integrity at every point.

Stiffeners provide integrity and optimal strength for the high eave heights typical of commercial grain storage bins. The stiffeners carry the vertical load, allowing the sidewall to account for hoop load. Choice of two or three stiffeners per sidewall panel provide optimal strength and stability depending on capacity and application. Stiffeners are easily mounted either externally or internally depending upon customer preference.

All stiffeners are G-115(Z350) galvanized to provide 27% longer life. Most stiffeners are ASTM A653 Grade 55 with 55K yield and 70K tensile strength.

Stiffeners are available from 8 gauge to 18 gauge to meet the demands of bins up to 105 ft. (32 m) diameter.



G115 galvanizing of stiffeners provides up to 27% longer life. Most stiffeners are ASTM A653 Grade 55 with 55K yield and 70K tensile strength.



12 gauge splice ensures that stiffeners are properly butted to effectively transfer vertical sidewall load to the foundation.



Heavy duty wind rings are easily attached to the stiffeners on bins requiring this extra measure. Pre-punched wind ring holes and special attachments simplify installation.



“Hat shaped” stiffener design is proven through engineering studies to be the preferred shape for commercial bin stiffeners. This design carries the full vertical load to the foundation.

When it comes to protecting grain and people, details

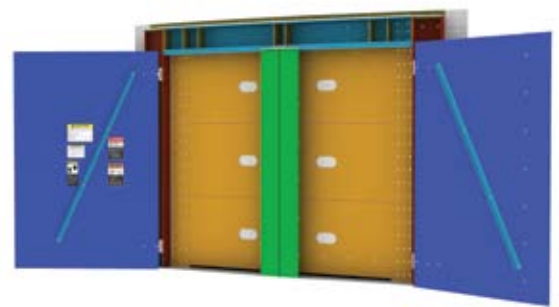
DOOR



One ring door in sidewall provides full and easy access regardless of door option selected.



Two ring door is available on 15 ft. through 105 ft. (4.6 m to 32 m) diameter bins.



Optional skid steer door with roomy 7 ft. x 7 ft. (2.1 m x 2.1 m) opening is available on bins of 72 ft. to 105 ft. (21.9 m to 32 m) diameter.

FASTENERS

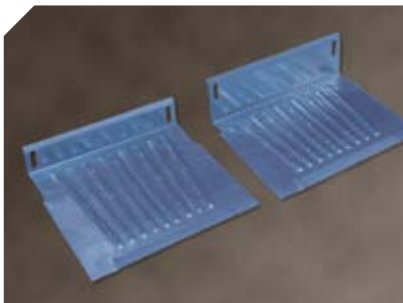


Grade 8.2 bin bolts are used throughout to ensure strength and stability. Roofs use 5/16" (0.79 cm) bolts and sidewalls use 3/8" (0.95 cm) bolts.

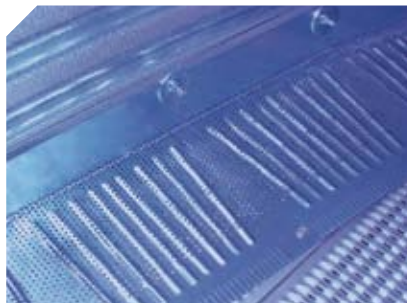


Top-quality fasteners feature JS1000 plating system, SAE Grade 8.2 for maximum shear capacity as well as industry standard washers to seal the bolt to the sidewall.

FLASHING



Choice of high back or low back flashing works for both new bin installation or retrofits.



Multi-rib design adds strength and durability. Also provides traction for sweep augers.

The Contractor's Choice

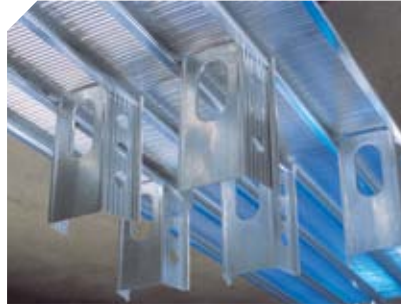
- Every floor plank is labeled for easy identification in the field
- Floor planks are precisely bundled to enable building from the stack
- On-side shipment makes parts easier to handle and reduces damage during loading/unloading
- Multiple bundles on larger systems make for easier loading and unloading
- Single piece option for larger bins can make on-site construction easier
- One-man installation of flashing possible thanks to use of nuts on the inside of the bin
- Easy-to-use construction guide simplifies the process—especially for first-time installers
- Powder-coated welded supports resist rust and enhance appearance upon delivery at job-site

matter.

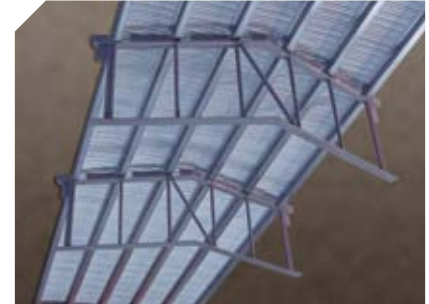
The small stuff
makes a big difference.

SUPPORTS

MFS/Stormor supports are available in either galvanized or welded styles, providing a choice for customers. Supports come in multiple heights to accommodate different sizes of bin unloading systems and fan transitions for optimum performance.



Locking tabs on galvanized supports lock into place during assembly. 17 gauge galvanization provides strength and dependability.



Powder-coated welded design resists rust and lasts longer than non-painted supports. Facilitates easy installation.

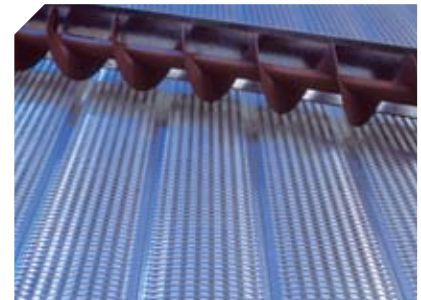


MFS/Stormor bin floors are available in a wide variety of styles to match the application, storage system and customer preference.

Long-lasting galvanized construction coupled with state-of-the-art design and manufacturing makes for a bin floor that stands up to use and abuse under the most challenging conditions. Floors can be manufactured to any diameter, which makes an MFS/Stormor floor available on our bins—plus any other brand of bin.



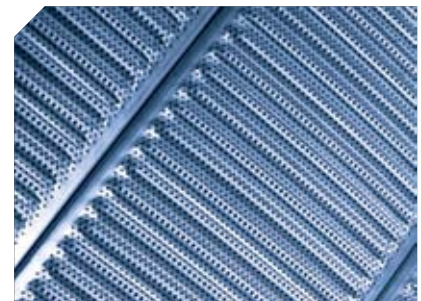
16-Gauge Floor Option is the heaviest specification available in the industry. MFS/Stormor also offers the widest variety of gauges in the industry—providing even more assurance that the construction matches the challenge.



Built-in crown on planks prevents sagging and provides additional strength. Slotted design offers strength and economy.



Built-in corrugation on planks increases strength and rigidity. Round perforation (0.093") design is smooth and easy to sweep.



Small perforation (0.050") floor planks are ideal for use in storing small grains such as canola. Smooth surface facilitates easy clean-out.

COMMERCIAL HOPPER BINS

Commercial hopper bins from MFS/Stormor add even greater flexibility, functionality and value to your commercial grain storage system. Better yet, our commercial hopper bins are engineered and manufactured to the same exacting specifications as our commercial grain storage bins.

MFS/Stormor is **fully committed to 2.66" corrugation** on all commercial hopper bin sidewalls. That means outstanding hoop load and wind load performance—and more steel per square inch when compared to wider corrugation of the same thickness.

Every commercial hopper bin features G-115 galvanization for 27% longer life. A sidewall range of 10 gauge to 19 gauge provides many options to match your bin to your application.

ROOF SYSTEMS

Every roof design has been tested for fit at the factory. All roof designs were initially assembled by our engineers before the first one shipped

Roof systems on MFS/Stormor commercial hopper bins are non-raftered in standard models. Raftered roofs are available on 30' to 36' (9.1 m to 11.0 m) diameters in the event that additional roof loading is required.

- **30° roof slope** sheds debris and snow without adding to overall bin height.
- **G-115(Z350) galvanization** on all outer roof sheets for up to 27% longer life on components exposed to the elements.
- **Powered roof exhausters** are easily added with trouble-free installation on site.
- **Gooseneck vents** with corresponding pre-formed vent opening allow for easier installation.
- **Three roof panels** per sidewall sheet also simplify installation.



Our hopper bottoms are at
the top of the industry.



STIFFENERS

Commercial hopper bins use two external stiffeners per sidewall sheet. This approach allows transfer of tank vertical load down the stiffeners, then down the support columns to the foundation. All stiffeners are G-115(Z350) galvanized to provide 27% longer life. Most stiffeners are available from 8 gauge to 18 gauge. Stiffeners are ASTM A653 Grade 55 with 55K yield and 70K tensile strength.

- **“Hat shaped” stiffener design** is proven through engineering studies to be the preferred shape for commercial bin stiffeners. This design carries the full vertical load to the foundation.
- **Base stiffener plates** are firmly affixed through welding to ensure a positive attachment of bin to concrete foundation.
- **12 gauge splice** ensures that stiffeners are properly butted to effectively transfer sidewall load to the foundation.
- **Heavy duty wind rings** are easily attached to the stiffeners on bins requiring this extra measure. Pre-punched wind ring holes and special attachments simplify installation.

The Contractor's Choice

- **Precise 7/16" sidewall punching** easily accommodates 3/8" bolts to save time during erection.
- **Sheet identification** includes gauge, supplier, coil and date for quick traceability if needed.
- **Bolt-on base angle** provides strong finished edge to bin bottom for seal of bin to hopper structure when sealer is added.
- **Top-quality fasteners** feature JS1000 plating system, SAE Grade 8.2 for maximum shear capacity as well as industry standard washers to seal the bolt to the sidewall.

COMMERCIAL HOPPER BINS

We design and build our commercial hopper bins to stand up to the constant use typical in a commercial grain storage operation. That goes double for the working parts of the hopper bottom where trucks go and grain flows on a daily basis.

- **Custom outlet heights** available to accommodate installation of auxiliary equipment below the hopper.
- **Structure finish options** include powder coated or galvanized to meet your specific application.
- **Heavy duty compression ring** transfers load from the bin and hopper into the support structure. The base angle on the bottom of the tank is sealed to the compression ring for a weather-proof connection between tank and hopper.
- **Support columns** are heavy I-beams engineered to carry the suspended weight of both tank and stored commodity.

Cone Options	
CONE DEGREE	AVAILABILITY
60°	Available on 15', 18', 21' models where a steeper cone may be required due to type of commodity being stored
45°	Available for 15' to 24' models for more traditional storage of grains and wet holding applications
40°	Available for 27' to 36' models for more traditional grain storage



Galvanized panels ranging from 12 gauge to 8 gauge Grade 50 are designed to withstand hoop and top tension loads throughout the range of sizes available. Cross braces keep tank evenly braced during loading.



Manual rack and pinion gate controls flow from the tank and comes standard with all commercial hopper tanks.



Shedder plate, supplied with all models, is a perforated component attached to the sidewall at an angle that matches the hopper cone angle. The shedder plate eliminates commodity hang-up where the sidewall connects to the cone.



Heavy base plates welded to the bottom end of the support columns provide a positive attachment to the concrete foundation with proper anchoring.



Cone bottom is ideally designed for full clean-out and to ensure that majority of the product is emptied with minimal carryover.

When it comes to commercial grain storage, experience matters.

With commercial grain storage systems on six continents, MFS/Stormor has proven its ability to engineer high capacity, high performance commercial grain storage systems over more than a half century.

We know there is no one solution to commercial grain storage. So we ask the right questions (and plenty of them!) up front to ensure that the system we design specifically for you will do what you need it to do: Protect grain quality.

Keep personnel safer. Provide you with an outstanding value without compromising the integrity, strength and stability of your commercial grain storage system.

Our commitment to precision manufacturing technology, detailed engineering and high quality materials gives you the confidence that you've made the right choice by investing in commercial grain storage from MFS/Stormor.

GRAIN BIN FANS

Commercial grain storage requires more pressure, more air-flow and more push-through in order to preserve grain quality.



MFS/Stormor is part of Global Industries, Inc., a multi-faced company specializing in grain storage, handling and conditioning systems. As a result, we can offer a wide range of grain bin fan solutions for commercial grain storage systems of all types and sizes, including products from NECO.

NECO grain bin fans can meet the demanding specifications of commercial grain storage in terms of grain volume, structural height, and the need for multiple fans in one bin.

Rugged, efficient grain bin fans engineered to run a long, long time.

NECO Centrifugal Fans



Low-speed, low-noise design.

Designed for high air flows at low to medium static pressures—typically outperforming vane axial fans (propeller type) of the same horsepower when operating at over 4" of static pressure.

- Special airfoil blades provide maximum air output while minimizing noise.
- Most fan wheels constructed with energy-efficient continuously welded airfoil blades for optimal safety; keeps water out to prevent imbalance.
- Fan housing fabricated from heavy gauge G-90(Z275) galvanized steel and assembled with special locking bolts and nuts for rust-free long life and minimum maintenance.
- 3 HP to 60 HP models available.
- Optional high speed models also available.

NECO Axial Fans



High air flow at low static pressures.

- Motors are specifically designed for use in axial fans and designed to run at less than full load amperage to extend motor life and increase fan efficiency.
- Unique airfoil profile of precision blades provide high airflow with low horsepower requirements, saving energy costs.
- Blades are precision balanced for low vibration.
- Fan housing fabricated from heavy gauge G-90 galvanized steel; bolted together to eliminate cracks and breaks typically associated with welded housings and rolled flanges.
- 3/4 HP to 15 HP models available.

Safety and quality that rise several steps above the competition.

Personal safety and easy accessibility are hallmarks of commercial grain storage systems from MFS/Stormor. Thanks to our Global Industries "family" affiliation with Brownie Systems, we can offer a wide range of industry-leading stairs and ladders that are a perfect match to our commercial grain storage systems—at a competitive price.

All galvanized steel construction ensures long life and lasting strength under the most demanding conditions.

Extra-wide step and toe space provide additional confidence and safety, while helping you comply with OSHA regulations.

Extruded non-slip stair helps prevent build-up of ice and water for sure footing under tough conditions and heavy loads.

Single or doublewide platforms at the top provide easy access to roof stairs and manway. Optional rest stop and working platforms below provide a safe, convenient surface when and where you need it. Four-inch (102 mm) toe-boards ensure a safer platform for everyone—above and below.

Large pipe handrails with OSHA-compliant spacings provide a sure grip as you ascend or descend. There are no rail breaks, sharp ends, corners or protruding bolts. An optional inner handrail is available for extra assurance.



In-bin Emergency Ladder

MFS/Stormor partners with Brownie Systems to bring you the best in stairs and platforms, roof ladders, in-bin ladders, handrails and other sturdy and rugged structures that improve personal safety and ease of access for your grain storage system.



Ladder Safety Cage



Roof Stairs

COMMERCIAL BINS

	MODEL	MAX CAPACITY (BUSHELS)	MAX CAPACITY (ft ³)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m ³)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
15 Ft. (4.57 M) Diameter	15-8	3,387	3,976	21'-4"	25'-7"	6.50	7.80	113	92	86	69
	15-9	3,784	4,442	24'-0"	28'-3"	7.32	8.61	126	103	96	77
	15-10	4,181	4,909	26'-8"	30'-11"	8.13	9.42	139	114	106	85
	15-11	4,578	5,375	29'-4"	33'-7"	8.94	10.24	152	125	116	93
	15-12	4,975	5,841	32'-0"	36'-3"	9.75	11.05	165	135	126	102
	15-13	5,372	6,307	34'-8"	38'-11"	10.57	11.86	179	146	136	110
	15-14	5,770	6,774	37'-4"	41'-7"	11.38	12.67	192	157	147	118
18 Ft. (5.49 M) Diameter	18-12	7,221	8,478	32'-0"	37'-1"	9.75	11.31	240	196	183	147
	18-13	7,793	9,149	34'-8"	39'-9"	10.57	12.12	259	212	198	159
	18-14	8,365	9,821	37'-4"	42'-5"	11.38	12.93	278	228	213	171
	18-15	8,937	10,492	40'-0"	45'-1"	12.19	13.75	297	243	227	182
	18-16	9,509	11,163	42'-8"	47'-9"	13.00	14.56	316	259	242	194
	18-17	10,081	11,835	45'-4"	50'-5"	13.82	15.37	335	274	256	206
	18-18	10,653	12,506	48'-0"	53'-1"	14.63	16.19	354	290	271	217
	18-19	11,225	13,178	50'-8"	55'-9"	15.44	17.00	373	305	285	229
	18-20	11,796	13,849	53'-4"	58'-5"	16.26	17.81	392	321	300	241
21 Ft. (6.40 M) Diameter	21-12	9,906	11,630	32'-0"	38'-0"	9.75	11.57	329	269	252	202
	21-13	10,684	12,544	34'-8"	40'-8"	10.57	12.39	355	291	271	218
	21-14	11,463	13,458	37'-4"	43'-4"	11.38	13.20	381	312	291	234
	21-15	12,241	14,371	40'-0"	46'-0"	12.19	14.01	407	333	311	250
	21-16	13,020	15,285	42'-8"	48'-8"	13.00	14.82	433	354	331	266
	21-17	13,798	16,199	45'-4"	51'-4"	13.82	15.64	459	375	351	282
	21-18	14,577	17,113	48'-0"	54'-0"	14.63	16.45	485	397	370	297
	21-19	15,355	18,027	50'-8"	56'-8"	15.44	17.26	510	418	390	313
	21-20	16,133	18,941	53'-4"	59'-4"	16.26	18.08	536	439	410	329
	21-21	16,912	19,855	56'-0"	62'-0"	17.07	18.89	562	460	430	345
	21-22	17,690	20,769	58'-8"	64'-8"	17.88	19.70	588	481	449	361
21-23	18,469	21,683	61'-4"	67'-4"	18.69	20.51	614	502	469	377	
24 Ft. (7.32 M) Diameter	24-12	13,039	15,308	32'-0"	38'-10"	9.75	11.84	433	355	331	266
	24-13	14,056	16,502	34'-8"	41'-6"	10.57	12.65	467	382	357	287
	24-14	15,073	17,696	37'-4"	44'-2"	11.38	13.46	501	410	383	308
	24-15	16,089	18,889	40'-0"	46'-10"	12.19	14.27	535	438	409	328
	24-16	17,106	20,083	42'-8"	49'-6"	13.00	15.09	569	465	435	349
	24-17	18,123	21,277	45'-4"	52'-2"	13.82	15.90	602	493	460	370
	24-18	19,140	22,470	48'-0"	54'-10"	14.63	16.71	636	521	486	391
	24-19	20,156	23,664	50'-8"	57'-6"	15.44	17.53	670	548	512	411
	24-20	21,173	24,858	53'-4"	60'-2"	16.26	18.34	704	576	538	432
	24-21	22,190	26,051	56'-0"	62'-10"	17.07	19.15	738	604	564	453
	24-22	23,207	27,245	58'-8"	65'-6"	17.88	19.96	771	631	590	473
	24-23	24,223	28,439	61'-4"	68'-2"	18.69	20.78	805	659	615	494
	24-24	25,240	29,632	64'-0"	70'-10"	19.51	21.59	839	687	641	515
	24-25	26,257	30,826	66'-8"	73'-6"	20.32	22.40	873	714	667	536
24-26	27,274	32,020	69'-4"	76'-2"	21.13	23.22	907	742	693	556	

TYPICAL GRAIN DENSITIES WHEAT: Approximately 772 kg/m³ (48.2 lb/ft³) | CORN: Approximately 721 kg/m³ (45 lb/ft³) | RICE: Approximately 579 kg/m³ (36.1 lb/ft³)



Bin Capacities

	MODEL	MAX CAPACITY (BUSHELS)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
27 Ft. (8.23 M) Diameter	27-12	16,630	19,524	32'-0"	39'-8"	9.75	12.10	553	452	423	339
	27-13	17,917	21,035	34'-8"	42'-4"	10.57	12.91	596	487	455	366
	27-14	19,204	22,546	37'-4"	45'-0"	11.38	13.73	638	522	488	392
	27-15	20,491	24,056	40'-0"	47'-8"	12.19	14.54	681	557	521	418
	27-16	21,778	25,567	42'-8"	50'-4"	13.00	15.35	724	592	553	444
	27-17	23,064	27,078	45'-4"	53'-0"	13.82	16.16	767	627	586	471
	27-18	24,351	28,589	48'-0"	55'-8"	14.63	16.98	810	662	619	497
	27-19	25,638	30,099	50'-8"	58'-4"	15.44	17.79	852	697	651	523
	27-20	26,925	31,610	53'-4"	61'-0"	16.26	18.60	895	732	684	549
	27-21	28,212	33,121	56'-0"	63'-8"	17.07	19.42	938	767	717	576
	27-22	29,498	34,632	58'-8"	66'-4"	17.88	20.23	981	802	749	602
	27-23	30,785	36,142	61'-4"	69'-0"	18.69	21.04	1023	837	782	628
	27-24	32,072	37,653	64'-0"	71'-8"	19.51	21.85	1066	873	815	654
	27-25	33,359	39,164	66'-8"	74'-4"	20.32	22.67	1109	908	848	681
	27-26	34,646	40,675	69'-4"	77'-0"	21.13	23.48	1152	943	880	707
	27-27	35,932	42,185	72'-0"	79'-8"	21.95	24.29	1195	978	913	733
	27-28	37,219	43,696	74'-8"	82'-4"	22.76	25.10	1237	1,013	946	759
27-29	38,506	45,207	77'-4"	85'-0"	23.57	25.92	1280	1,048	978	786	
27-30	39,793	46,717	80'-0"	87'-8"	24.38	26.73	1323	1,083	1,011	812	
30 Ft. (9.14 M) Diameter	30-12	20,689	24,289	32'-0"	40'-7"	9.75	12.36	688	563	526	422
	30-13	22,278	26,154	34'-8"	43'-3"	10.57	13.17	741	606	566	455
	30-14	23,866	28,019	37'-4"	45'-11"	11.38	13.99	793	649	606	487
	30-15	25,455	29,884	40'-0"	48'-7"	12.19	14.80	846	692	647	519
	30-16	27,043	31,749	42'-8"	51'-3"	13.00	15.61	899	736	687	552
	30-17	28,632	33,615	45'-4"	53'-11"	13.82	16.42	952	779	727	584
	30-18	30,221	35,480	48'-0"	56'-7"	14.63	17.24	1,005	822	768	617
	30-19	31,809	37,345	50'-8"	59'-3"	15.44	18.05	1,057	865	808	649
	30-20	33,398	39,210	53'-4"	61'-11"	16.26	18.86	1,110	909	849	681
	30-21	34,987	41,075	56'-0"	64'-7"	17.07	19.68	1,163	952	889	714
	30-22	36,575	42,940	58'-8"	67'-3"	17.88	20.49	1,216	995	929	746
	30-23	38,164	44,805	61'-4"	69'-11"	18.69	21.30	1,269	1,038	970	779
	30-24	39,753	46,670	64'-0"	72'-7"	19.51	22.11	1,322	1,081	1,010	811
	30-25	41,341	48,535	66'-8"	75'-3"	20.32	22.93	1,374	1,125	1,050	844
	30-26	42,930	50,400	69'-4"	77'-11"	21.13	23.74	1,427	1,168	1,091	876
	30-27	44,519	52,266	72'-0"	80'-7"	21.95	24.55	1,480	1,211	1,131	908
	30-28	46,107	54,131	74'-8"	83'-3"	22.76	25.37	1,533	1,254	1,171	941
30-29	47,696	55,996	77'-4"	85'-11"	23.57	26.18	1,586	1,298	1,212	973	
30-30	49,285	57,861	80'-0"	88'-7"	24.38	26.99	1,638	1,341	1,252	1,006	
30-31	50,873	59,726	82'-8"	91'-3"	25.20	27.80	1,691	1,384	1,293	1,038	
30-32	52,462	61,591	85'-4"	93'-11"	26.01	28.62	1,744	1,427	1,333	1,070	

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m³). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

COMMERCIAL BINS

	MODEL	MAX CAPACITY (BUSHELS)	MAX CAPACITY (t13)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
33 Ft. (10.06 M) Diameter	33-12	25,224	29,614	32'-0"	41'-5"	9.75	12.63	839	686	641	515
	33-13	27,146	31,870	34'-8"	44'-1"	10.57	13.44	902	739	690	554
	33-14	29,069	34,127	37'-4"	46'-9"	11.38	14.26	966	791	739	593
	33-15	30,991	36,384	40'-0"	49'-5"	12.19	15.07	1,030	843	787	632
	33-16	32,913	38,641	42'-8"	52'-1"	13.00	15.88	1,094	895	836	672
	33-17	34,835	40,897	45'-4"	54'-9"	13.82	16.69	1,158	948	885	711
	33-18	36,758	43,154	48'-0"	57'-5"	14.63	17.51	1,222	1,000	934	750
	33-19	38,680	45,411	50'-8"	60'-1"	15.44	18.32	1,286	1,052	983	789
	33-20	40,602	47,668	53'-4"	62'-9"	16.26	19.13	1,350	1,105	1,032	828
	33-21	42,525	49,924	56'-0"	65'-5"	17.07	19.95	1,414	1,157	1,080	868
	33-22	44,447	52,181	58'-8"	68'-1"	17.88	20.76	1,478	1,209	1,129	907
	33-23	46,369	54,438	61'-4"	70'-9"	18.69	21.57	1,542	1,261	1,178	946
	33-24	48,291	56,695	64'-0"	73'-5"	19.51	22.38	1,605	1,314	1,227	985
	33-25	50,214	58,952	66'-8"	76'-1"	20.32	23.20	1,669	1,366	1,276	1,025
	33-26	52,136	61,208	69'-4"	78'-9"	21.13	24.01	1,733	1,418	1,325	1,064
	33-27	54,058	63,465	72'-0"	81'-5"	21.95	24.82	1,797	1,471	1,373	1,103
	33-28	55,980	65,722	74'-8"	84'-1"	22.76	25.64	1,861	1,523	1,422	1,142
	33-29	57,903	67,979	77'-4"	86'-9"	23.57	26.45	1,925	1,575	1,471	1,181
	33-30	59,825	70,235	80'-0"	89'-5"	24.38	27.26	1,989	1,628	1,520	1,221
	33-31	61,747	72,492	82'-8"	92'-1"	25.20	28.07	2,053	1,680	1,569	1,260
33-32	63,669	74,749	85'-4"	94'-9"	26.01	28.89	2,117	1,732	1,618	1,299	
36 Ft. (10.97 M) Diameter	36-12	30,246	35,509	32'-0"	42'-3"	9.75	12.89	1,006	823	768	617
	36-13	32,533	38,195	34'-8"	44'-11"	10.57	13.70	1,082	885	827	664
	36-14	34,821	40,880	37'-4"	47'-7"	11.38	14.52	1,158	947	885	710
	36-15	37,109	43,566	40'-0"	50'-3"	12.19	15.33	1,234	1,010	943	757
	36-16	39,396	46,252	42'-8"	52'-11"	13.00	16.14	1,310	1,072	1,001	804
	36-17	41,684	48,938	45'-4"	55'-7"	13.82	16.95	1,386	1,134	1,059	850
	36-18	43,972	51,623	48'-0"	58'-3"	14.63	17.77	1,462	1,196	1,117	897
	36-19	46,259	54,309	50'-8"	60'-11"	15.44	18.58	1,538	1,258	1,175	944
	36-20	48,547	56,995	53'-4"	63'-7"	16.26	19.39	1,614	1,321	1,233	991
	36-21	50,835	59,681	56'-0"	66'-4"	17.07	20.21	1,690	1,383	1,292	1,037
	36-22	53,122	62,366	58'-8"	68'-11"	17.88	21.02	1,766	1,445	1,350	1,084
	36-23	55,410	65,052	61'-4"	71'-8"	18.69	21.83	1,842	1,507	1,408	1,131
	36-24	57,698	67,738	64'-0"	74'-4"	19.51	22.64	1,918	1,570	1,466	1,177
	36-25	59,985	70,424	66'-8"	76'-11"	20.32	23.46	1,994	1,632	1,524	1,224
	36-26	62,273	73,109	69'-4"	79'-8"	21.13	24.27	2,070	1,694	1,582	1,271
	36-27	64,561	75,795	72'-0"	82'-4"	21.95	25.08	2,146	1,756	1,640	1,317
	36-28	66,848	78,481	74'-8"	84'-11"	22.76	25.90	2,222	1,819	1,698	1,364
	36-29	69,136	81,166	77'-4"	87'-8"	23.57	26.71	2,298	1,881	1,757	1,411
	36-30	71,423	83,852	80'-0"	90'-4"	24.38	27.52	2,374	1,943	1,815	1,457
	36-31	73,711	86,538	82'-8"	92'-11"	25.20	28.33	2,450	2,005	1,873	1,504
36-32	75,999	89,224	85'-4"	95'-8"	26.01	29.15	2,527	2,068	1,931	1,551	
36-33	78,286	91,909	88'-0"	98'-4"	26.82	29.96	2,603	2,130	1,989	1,597	
36-34	80,574	94,595	90'-8"	100'-11"	27.64	30.77	2,679	2,192	2,047	1,644	

TYPICAL GRAIN DENSITIES WHEAT: Approximately 772 kg/m³ (48.2 lb/ft³) | CORN: Approximately 721 kg/m³ (45 lb/ft³) | RICE: Approximately 579 kg/m³ (36.1 lb/ft³)



Bin Capacities

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
42 Ft. (12.80 M) Diameter	42-12	41,785	49,057	32'-0"	44'-0"	9.75	13.41	1,389	1,137	1,062	853
	42-13	44,899	52,712	34'-8"	46'-8"	10.57	14.22	1,493	1,221	1,141	916
	42-14	48,013	56,368	37'-4"	49'-4"	11.38	15.04	1,596	1,306	1,220	980
	42-15	51,127	60,023	40'-0"	52'-0"	12.19	15.85	1,700	1,391	1,299	1,043
	42-16	54,240	63,679	42'-8"	54'-8"	13.00	16.66	1,803	1,476	1,378	1,107
	42-17	57,354	67,335	45'-4"	57'-4"	13.82	17.48	1,907	1,560	1,457	1,170
	42-18	60,468	70,990	48'-0"	60'-0"	14.63	18.29	2,010	1,645	1,536	1,234
	42-19	63,582	74,646	50'-8"	62'-8"	15.44	19.10	2,114	1,730	1,615	1,297
	42-20	66,695	78,301	53'-4"	65'-4"	16.26	19.91	2,217	1,814	1,695	1,361
	42-21	69,809	81,957	56'-0"	68'-0"	17.07	20.73	2,321	1,899	1,774	1,424
	42-22	72,923	85,613	58'-8"	70'-8"	17.88	21.54	2,424	1,984	1,853	1,488
	42-23	76,037	89,268	61'-4"	73'-4"	18.69	22.35	2,528	2,069	1,932	1,551
	42-24	79,150	92,924	64'-0"	76'-0"	19.51	23.16	2,631	2,153	2,011	1,615
	42-25	82,264	96,579	66'-8"	78'-8"	20.32	23.98	2,735	2,238	2,090	1,678
	42-26	85,378	100,235	69'-4"	81'-4"	21.13	24.79	2,838	2,323	2,169	1,742
	42-27	88,492	103,890	72'-0"	84'-0"	21.95	25.60	2,942	2,407	2,248	1,806
	42-28	91,605	107,546	74'-8"	86'-8"	22.76	26.42	3,045	2,492	2,327	1,869
42-29	94,719	111,202	77'-4"	89'-4"	23.57	27.23	3,149	2,577	2,407	1,933	
42-30	97,833	114,857	80'-0"	92'-0"	24.38	28.04	3,252	2,661	2,486	1,996	
42-31	100,947	118,513	82'-8"	94'-8"	25.20	28.85	3,356	2,746	2,565	2,060	
42-32	104,060	122,168	85'-4"	97'-4"	26.01	29.67	3,459	2,831	2,644	2,123	
42-33	107,174	125,824	88'-0"	100'-0"	26.82	30.48	3,563	2,916	2,723	2,187	
42-34	110,288	129,480	90'-8"	102'-8"	27.64	31.29	3,666	3,000	2,802	2,250	
48 Ft. (14.63 M) Diameter	48-12	55,383	65,021	32'-0"	45'-9"	9.75	13.94	1,841	1,507	1,407	1,130
	48-13	59,450	69,796	34'-8"	48'-5"	10.57	14.75	1,976	1,617	1,510	1,213
	48-14	63,517	74,570	37'-4"	51'-1"	11.38	15.57	2,112	1,728	1,614	1,296
	48-15	67,584	79,345	40'-0"	53'-9"	12.19	16.38	2,247	1,839	1,717	1,379
	48-16	71,651	84,120	42'-8"	56'-5"	13.00	17.19	2,382	1,949	1,820	1,462
	48-17	75,718	88,894	45'-4"	59'-1"	13.82	18.01	2,517	2,060	1,924	1,545
	48-18	79,785	93,669	48'-0"	61'-9"	14.63	18.82	2,652	2,171	2,027	1,628
	48-19	83,852	98,443	50'-8"	64'-5"	15.44	19.63	2,788	2,281	2,130	1,711
	48-20	87,919	103,218	53'-4"	67'-1"	16.26	20.44	2,923	2,392	2,234	1,794
	48-21	91,986	107,993	56'-0"	69'-9"	17.07	21.26	3,058	2,502	2,337	1,877
	48-22	96,053	112,767	58'-8"	72'-5"	17.88	22.07	3,193	2,613	2,440	1,960
	48-23	100,120	117,542	61'-4"	75'-1"	18.69	22.88	3,328	2,724	2,544	2,043
	48-24	104,187	122,317	64'-0"	77'-9"	19.51	23.70	3,464	2,834	2,647	2,126
	48-25	108,254	127,091	66'-8"	80'-5"	20.32	24.51	3,599	2,945	2,750	2,209
	48-26	112,321	131,866	69'-4"	83'-1"	21.13	25.32	3,734	3,056	2,854	2,292
	48-27	116,387	136,641	72'-0"	85'-9"	21.95	26.13	3,869	3,166	2,957	2,375
	48-28	120,454	141,415	74'-8"	88'-5"	22.76	26.95	4,004	3,277	3,060	2,458
48-29	124,521	146,190	77'-4"	91'-1"	23.57	27.76	4,140	3,388	3,164	2,541	
48-30	128,588	150,965	80'-0"	93'-9"	24.38	28.57	4,275	3,498	3,267	2,624	
48-31	132,655	155,739	82'-8"	96'-5"	25.20	29.38	4,410	3,609	3,370	2,707	
48-32	136,722	160,514	85'-4"	99'-1"	26.01	30.20	4,545	3,719	3,474	2,790	
48-33	140,789	165,289	88'-0"	101'-9"	26.82	31.01	4,680	3,830	3,577	2,873	
48-34	144,856	170,063	90'-8"	104'-5"	27.64	31.82	4,816	3,941	3,680	2,956	

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COMMERCIAL BINS

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
54 Ft. (16.46 M) Diameter	54-12	71,115	83,491	32'-0"	47'-5"	9.75	14.46	2,364	1,935	1,807	1,451
	54-13	76,263	89,534	34'-8"	50'-1"	10.57	15.27	2,535	2,075	1,938	1,556
	54-14	81,410	95,576	37'-4"	52'-9"	11.38	16.09	2,706	2,215	2,068	1,661
	54-15	86,557	101,619	40'-0"	55'-5"	12.19	16.90	2,878	2,355	2,199	1,766
	54-16	91,704	107,662	42'-8"	58'-1"	13.00	17.71	3,049	2,495	2,330	1,871
	54-17	96,852	113,705	45'-4"	60'-9"	13.82	18.53	3,220	2,635	2,461	1,976
	54-18	101,999	119,748	48'-0"	63'-5"	14.63	19.34	3,391	2,775	2,592	2,081
	54-19	107,146	125,791	50'-8"	66'-1"	15.44	20.15	3,562	2,915	2,722	2,186
	54-20	112,293	131,834	53'-4"	68'-9"	16.26	20.96	3,733	3,055	2,853	2,291
	54-21	117,440	137,877	56'-0"	71'-5"	17.07	21.78	3,904	3,195	2,984	2,396
	54-22	122,588	143,920	58'-8"	74'-1"	17.88	22.59	4,075	3,335	3,115	2,501
	54-23	127,735	149,963	61'-4"	76'-9"	18.69	23.40	4,246	3,475	3,245	2,606
	54-24	132,882	156,006	64'-0"	79'-5"	19.51	24.22	4,418	3,615	3,376	2,711
	54-25	138,029	162,049	66'-8"	82'-1"	20.32	25.03	4,589	3,755	3,507	2,816
	54-26	143,177	168,091	69'-4"	84'-9"	21.13	25.84	4,760	3,895	3,638	2,921
	54-27	148,324	174,134	72'-0"	87'-5"	21.95	26.65	4,931	4,035	3,769	3,026
	54-28	153,471	180,177	74'-8"	90'-1"	22.76	27.47	5,102	4,175	3,899	3,131
	54-29	158,618	186,220	77'-4"	92'-9"	23.57	28.28	5,273	4,315	4,030	3,236
	54-30	163,765	192,263	80'-0"	95'-5"	24.38	29.09	5,444	4,455	4,161	3,341
	54-31	168,913	198,306	82'-8"	98'-1"	25.20	29.91	5,615	4,595	4,292	3,446
54-32	174,060	204,349	85'-4"	100'-9"	26.01	30.72	5,787	4,735	4,422	3,551	
54-33	179,207	210,392	88'-0"	103'-5"	26.82	31.53	5,958	4,875	4,553	3,656	
54-34	184,354	216,435	90'-8"	106'-1"	27.64	32.34	6,129	5,015	4,684	3,761	
60 Ft. (18.29 M) Diameter	60-12	89,057	104,555	32'-0"	49'-2"	9.75	14.99	2,961	2,423	2,263	1,817
	60-13	95,412	112,015	34'-8"	51'-10"	10.57	15.80	3,172	2,596	2,424	1,947
	60-14	101,766	119,475	37'-4"	54'-6"	11.38	16.61	3,383	2,769	2,586	2,076
	60-15	108,121	126,936	40'-0"	57'-2"	12.19	17.43	3,594	2,941	2,747	2,206
	60-16	114,476	134,396	42'-8"	59'-10"	13.00	18.24	3,806	3,114	2,909	2,336
	60-17	120,830	141,857	45'-4"	62'-6"	13.82	19.05	4,017	3,287	3,070	2,465
	60-18	127,185	149,317	48'-0"	65'-2"	14.63	19.87	4,228	3,460	3,231	2,595
	60-19	133,539	156,777	50'-8"	67'-10"	15.44	20.68	4,439	3,633	3,393	2,725
	60-20	139,894	164,238	53'-4"	70'-6"	16.26	21.49	4,651	3,806	3,554	2,854
	60-21	146,249	171,698	56'-0"	73'-2"	17.07	22.30	4,862	3,979	3,716	2,984
	60-22	152,603	179,158	58'-8"	75'-10"	17.88	23.12	5,073	4,152	3,877	3,114
	60-23	158,958	186,619	61'-4"	78'-6"	18.69	23.93	5,284	4,324	4,039	3,243
	60-24	165,312	194,079	64'-0"	81'-2"	19.51	24.74	5,496	4,497	4,200	3,373
	60-25	171,667	201,540	66'-8"	83'-10"	20.32	25.56	5,707	4,670	4,362	3,503
	60-26	178,022	209,000	69'-4"	86'-6"	21.13	26.37	5,918	4,843	4,523	3,632
	60-27	184,376	216,460	72'-0"	89'-2"	21.95	27.18	6,129	5,016	4,685	3,762
	60-28	190,731	223,921	74'-8"	91'-10"	22.76	27.99	6,341	5,189	4,846	3,892
	60-29	197,085	231,381	77'-4"	94'-6"	23.57	28.81	6,552	5,362	5,007	4,021
	60-30	203,440	238,842	80'-0"	97'-2"	24.38	29.62	6,763	5,534	5,169	4,151
	60-31	209,795	246,302	82'-8"	99'-10"	25.20	30.43	6,974	5,707	5,330	4,281
60-32	216,149	253,762	85'-4"	102'-6"	26.01	31.25	7,186	5,880	5,492	4,410	
60-33	222,504	261,223	88'-0"	105'-2"	26.82	32.06	7,397	6,053	5,653	4,540	
60-34	228,858	268,683	90'-8"	107'-10"	27.64	32.87	7,608	6,226	5,815	4,669	

TYPICAL GRAIN DENSITIES WHEAT: Approximately 772 kg/m³ (48.2 lb/ft³) | CORN: Approximately 721 kg/m³ (45 lb/ft³) | RICE: Approximately 579 kg/m³ (36.1 lb/ft³)



Bin Capacities

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
72 Ft. (21.95 M) Diameter	72-12	131,872	154,820	32'-0"	51'-8"	9.75	15.76	4,384	3,588	3,351	2,691
	72-13	141,023	165,563	34'-8"	54'-4"	10.57	16.57	4,688	3,836	3,583	2,877
	72-14	150,174	176,306	37'-4"	57'-0"	11.38	17.39	4,992	4,085	3,816	3,064
	72-15	159,324	187,049	40'-0"	59'-8"	12.19	18.20	5,297	4,334	4,048	3,251
	72-16	168,475	197,792	42'-8"	62'-4"	13.00	19.01	5,601	4,583	4,281	3,437
	72-17	177,625	208,535	45'-4"	65'-0"	13.82	19.82	5,905	4,832	4,513	3,624
	72-18	186,776	219,278	48'-0"	67'-8"	14.63	20.64	6,209	5,081	4,745	3,811
	72-19	195,927	230,021	50'-8"	70'-4"	15.44	21.45	6,513	5,330	4,978	3,998
	72-20	205,077	240,764	53'-4"	73'-0"	16.26	22.26	6,818	5,579	5,210	4,184
	72-21	214,228	251,507	56'-0"	75'-8"	17.07	23.08	7,122	5,828	5,443	4,371
	72-22	223,378	262,250	58'-8"	78'-4"	17.88	23.89	7,426	6,077	5,675	4,558
	72-23	232,529	272,993	61'-4"	81'-0"	18.69	24.70	7,730	6,326	5,908	4,744
	72-24	241,680	283,736	64'-0"	83'-8"	19.51	25.51	8,034	6,575	6,140	4,931
	72-25	250,830	294,479	66'-8"	86'-4"	20.32	26.33	8,339	6,824	6,373	5,118
	72-26	259,981	305,221	69'-4"	89'-0"	21.13	27.14	8,643	7,073	6,605	5,305
	72-27	269,131	315,964	72'-0"	91'-8"	21.95	27.95	8,947	7,322	6,838	5,491
	72-28	278,282	326,707	74'-8"	94'-4"	22.76	28.77	9,251	7,571	7,070	5,678
	72-29	287,433	337,450	77'-4"	97'-0"	23.57	29.58	9,556	7,819	7,303	5,865
	72-30	296,583	348,193	80'-0"	99'-8"	24.38	30.39	9,860	8,068	7,535	6,051
	72-31	305,734	358,936	82'-8"	102'-4"	25.20	31.20	10,164	8,317	7,768	6,238
72-32	314,885	369,679	85'-4"	105'-0"	26.01	32.02	10,468	8,566	8,000	6,425	
72-33	324,035	380,422	88'-0"	107'-8"	26.82	32.83	10,772	8,815	8,233	6,611	
72-34	333,186	391,165	90'-8"	110'-4"	27.64	33.64	11,077	9,064	8,465	6,798	
75 Ft. (22.86 M) Diameter	75-12	144,075	169,147	32'-0"	52'-7"	9.75	16.01	4,790	3,920	3,661	2,940
	75-13	154,004	180,803	34'-8"	55'-3"	10.57	16.83	5,120	4,190	3,913	3,142
	75-14	163,933	192,460	37'-4"	57'-11"	11.38	17.64	5,450	4,460	4,165	3,345
	75-15	173,862	204,117	40'-0"	60'-7"	12.19	18.45	5,780	4,730	4,417	3,547
	75-16	183,791	215,774	42'-8"	63'-3"	13.00	19.27	6,110	5,000	4,670	3,750
	75-17	193,721	227,431	45'-4"	65'-11"	13.82	20.08	6,440	5,270	4,922	3,953
	75-18	203,650	239,088	48'-0"	68'-7"	14.63	20.89	6,770	5,540	5,174	4,155
	75-19	213,579	250,745	50'-8"	71'-3"	15.44	21.70	7,100	5,810	5,426	4,358
	75-20	223,508	262,401	53'-4"	73'-11"	16.26	22.52	7,430	6,080	5,679	4,560
	75-21	233,437	274,058	56'-0"	76'-7"	17.07	23.33	7,760	6,351	5,931	4,763
	75-22	243,366	285,715	58'-8"	79'-3"	17.88	24.14	8,091	6,621	6,183	4,965
	75-23	253,295	297,372	61'-4"	81'-11"	18.69	24.96	8,421	6,891	6,436	5,168
	75-24	263,224	309,029	64'-0"	84'-7"	19.51	25.77	8,751	7,161	6,688	5,371
	75-25	273,153	320,686	66'-8"	87'-3"	20.32	26.58	9,081	7,431	6,940	5,573
	75-26	283,082	332,342	69'-4"	89'-11"	21.13	27.39	9,411	7,701	7,192	5,776
	75-27	293,011	343,999	72'-0"	92'-7"	21.95	28.21	9,741	7,971	7,445	5,978
	75-28	302,940	355,656	74'-8"	95'-3"	22.76	29.02	10,071	8,241	7,697	6,181
	75-29	312,869	367,313	77'-4"	97'-11"	23.57	29.83	10,401	8,511	7,949	6,384
	75-30	322,798	378,970	80'-0"	100'-7"	24.38	30.65	10,731	8,782	8,201	6,586
	75-31	332,727	390,627	82'-8"	103'-3"	25.20	31.46	11,061	9,052	8,454	6,789
75-32	342,656	402,284	85'-4"	105'-11"	26.01	32.27	11,391	9,322	8,706	6,991	
75-33	352,585	413,940	88'-0"	108'-7"	26.82	33.08	11,721	9,592	8,958	7,194	
75-34	362,514	425,597	90'-8"	111'-3"	27.64	33.90	12,052	9,862	9,211	7,397	

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m³). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

COMMERCIAL BINS

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
78 Ft. (23.77 M) Diameter	78-12	156,897	184,199	32'-0"	53'-5"	9.75	16.27	5,216	4,268	3,986	3,201
	78-13	167,636	196,807	34'-8"	56'-0"	10.57	17.08	5,573	4,560	4,259	3,420
	78-14	178,375	209,415	37'-4"	58'-8"	11.38	17.89	5,930	4,853	4,532	3,639
	78-15	189,115	222,023	40'-0"	61'-5"	12.19	18.71	6,287	5,145	4,805	3,859
	78-16	199,854	234,631	42'-8"	64'-0"	13.00	19.52	6,644	5,437	5,078	4,078
	78-17	210,593	247,239	45'-4"	66'-8"	13.82	20.33	7,001	5,729	5,351	4,297
	78-18	221,332	259,848	48'-0"	69'-5"	14.63	21.15	7,358	6,021	5,623	4,516
	78-19	232,072	272,456	50'-8"	72'-0"	15.44	21.96	7,715	6,313	5,896	4,735
	78-20	242,811	285,064	53'-4"	74'-8"	16.26	22.77	8,072	6,606	6,169	4,954
	78-21	253,550	297,672	56'-0"	77'-5"	17.07	23.58	8,429	6,898	6,442	5,173
	78-22	264,289	310,280	58'-8"	80'-0"	17.88	24.40	8,786	7,190	6,715	5,392
	78-23	275,029	322,888	61'-4"	82'-8"	18.69	25.21	9,143	7,482	6,988	5,612
	78-24	285,768	335,496	64'-0"	85'-5"	19.51	26.02	9,500	7,774	7,261	5,831
	78-25	296,507	348,104	66'-8"	88'-0"	20.32	26.84	9,857	8,066	7,533	6,050
	78-26	307,246	360,712	69'-4"	90'-8"	21.13	27.65	10,214	8,359	7,806	6,269
	78-27	317,986	373,320	72'-0"	93'-5"	21.95	28.46	10,571	8,651	8,079	6,488
	78-28	328,725	385,928	74'-8"	96'-0"	22.76	29.27	10,928	8,943	8,352	6,707
	78-29	339,464	398,536	77'-4"	98'-8"	23.57	30.09	11,285	9,235	8,625	6,926
	78-30	350,203	411,144	80'-0"	101'-5"	24.38	30.90	11,642	9,527	8,898	7,145
	78-31	360,943	423,752	82'-8"	104'-0"	25.20	31.71	11,999	9,819	9,171	7,364
78-32	371,682	436,360	85'-4"	106'-8"	26.01	32.52	12,356	10,111	9,443	7,584	
78-33	382,421	448,968	88'-0"	109'-5"	26.82	33.34	12,713	10,404	9,716	7,803	
78-34	393,161	461,576	90'-8"	112'-0"	27.64	34.15	13,070	10,696	9,989	8,022	
90 Ft. (27.43 M) Diameter	90-12	214,558	251,894	32'-0"	55'-11"	9.75	17.03	7,133	5,837	5,451	4,378
	90-13	228,856	268,680	34'-8"	58'-6"	10.57	17.84	7,608	6,226	5,815	4,669
	90-14	243,154	285,466	37'-4"	61'-2"	11.38	18.66	8,083	6,615	6,178	4,961
	90-15	257,451	302,252	40'-0"	63'-11"	12.19	19.47	8,559	7,004	6,541	5,253
	90-16	271,749	319,038	42'-8"	66'-6"	13.00	20.28	9,034	7,393	6,904	5,545
	90-17	286,047	335,824	45'-4"	69'-2"	13.82	21.09	9,509	7,782	7,268	5,836
	90-18	300,345	352,609	48'-0"	71'-11"	14.63	21.91	9,985	8,171	7,631	6,128
	90-19	314,643	369,395	50'-8"	74'-6"	15.44	22.72	10,460	8,560	7,994	6,420
	90-20	328,941	386,181	53'-4"	77'-2"	16.26	23.53	10,935	8,949	8,358	6,712
	90-21	343,238	402,967	56'-0"	79'-11"	17.07	24.35	11,411	9,338	8,721	7,003
	90-22	357,536	419,753	58'-8"	82'-6"	17.88	25.16	11,886	9,727	9,084	7,295
	90-23	371,834	436,539	61'-4"	85'-2"	18.69	25.97	12,361	10,116	9,447	7,587
	90-24	386,132	453,325	64'-0"	87'-11"	19.51	26.78	12,837	10,505	9,811	7,878
	90-25	400,430	470,111	66'-8"	90'-6"	20.32	27.60	13,312	10,894	10,174	8,170
	90-26	414,728	486,896	69'-4"	93'-2"	21.13	28.41	13,787	11,282	10,537	8,462
	90-27	429,025	503,682	72'-0"	95'-11"	21.95	29.22	14,263	11,671	10,900	8,754
	90-28	443,323	520,468	74'-8"	98'-6"	22.76	30.04	14,738	12,060	11,264	9,045
	90-29	457,621	537,254	77'-4"	101'-2"	23.57	30.85	15,213	12,449	11,627	9,337
	90-30	471,919	554,040	80'-0"	103'-11"	24.38	31.66	15,689	12,838	11,990	9,629
	90-31	486,217	570,826	82'-8"	106'-6"	25.20	32.47	16,164	13,227	12,353	9,920
90-32	500,515	587,612	85'-4"	109'-2"	26.01	33.29	16,639	13,616	12,717	10,212	
90-33	514,812	604,397	88'-0"	111'-11"	26.82	34.10	17,115	14,005	13,080	10,504	
90-34	529,110	621,183	90'-8"	114'-6"	27.64	34.91	17,590	14,394	13,443	10,796	

TYPICAL GRAIN DENSITIES WHEAT: Approximately 772 kg/m³ (48.2 lb/ft³) | CORN: Approximately 721 kg/m³ (45 lb/ft³) | RICE: Approximately 579 kg/m³ (36.1 lb/ft³)



Bin Capacities

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
105 Ft. (32.0 M) Diameter	105-12	301,687	354,185	32'-0"	60'-2"	9.75	18.35	10,029	8,207	7,665	6,155
	105-13	321,148	377,032	34'-8"	62'-10"	10.57	19.16	10,676	8,737	8,160	6,553
	105-14	340,609	399,880	37'-4"	65'-6"	11.38	19.98	11,323	9,266	8,654	6,950
	105-15	360,070	422,727	40'-0"	68'-2"	12.19	20.79	11,970	9,796	9,148	7,347
	105-16	379,530	445,574	42'-8"	70'-10"	13.00	21.60	12,617	10,325	9,643	7,744
	105-17	398,991	468,422	45'-4"	73'-6"	13.82	22.42	13,264	10,854	10,137	8,141
	105-18	418,452	491,269	48'-0"	76'-2"	14.63	23.23	13,911	11,384	10,632	8,538
	105-19	437,913	514,117	50'-8"	78'-10"	15.44	24.04	14,558	11,913	11,126	8,935
	105-20	457,374	536,964	53'-4"	81'-6"	16.26	24.85	15,205	12,443	11,621	9,332
	105-21	476,835	559,812	56'-0"	84'-2"	17.07	25.67	15,852	12,972	12,115	9,729
	105-22	496,296	582,659	58'-8"	86'-10"	17.88	26.48	16,499	13,502	12,610	10,126
	105-23	515,757	605,507	61'-4"	89'-6"	18.69	27.29	17,146	14,031	13,104	10,523
	105-24	535,218	628,354	64'-0"	92'-2"	19.51	28.11	17,793	14,560	13,598	10,920
	105-25	554,679	651,201	66'-8"	94'-10"	20.32	28.92	18,440	15,090	14,093	11,317
	105-26	574,140	674,049	69'-4"	97'-6"	21.13	29.73	19,087	15,619	14,587	11,714
	105-27	593,601	696,896	72'-0"	100'-2"	21.95	30.54	19,734	16,149	15,082	12,111
	105-28	613,062	719,744	74'-8"	102'-10"	22.76	31.36	20,381	16,678	15,576	12,509
	105-29	632,523	742,591	77'-4"	105'-6"	23.57	32.17	21,028	17,208	16,071	12,906
	105-30	651,984	765,439	80'-0"	108'-2"	24.38	32.98	21,675	17,737	16,565	13,303
	105-31	671,445	788,286	82'-8"	110'-10"	25.20	33.79	22,322	18,266	17,060	13,700
105-32	690,906	811,133	85'-4"	113'-6"	26.01	34.61	22,969	18,796	17,554	14,097	
105-33	710,366	833,981	88'-0"	116'-2"	26.82	35.42	23,616	19,325	18,049	14,494	
105-34	729,827	856,828	90'-8"	118'-10"	27.64	36.23	24,263	19,855	18,543	14,891	

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m³). Cubic foot and cubic meter volumes are based on bin fill height 1" below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

COMMERCIAL HOPPER BINS

	MODEL	MAX CAPACITY (BUSHELS)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
15 Ft. (4.57 M) Diameter 45°	HTT15-6-45	2,963	3,478	25'-10"	30'-1"	7.87	9.17	98	81	75	60
	HTT15-7-45	3,360	3,945	28'-6"	32'-9"	8.69	9.98	112	91	85	69
	HTT15-8-45	3,757	4,411	31'-2"	35'-5"	9.50	10.79	125	102	95	77
	HTT15-9-45	4,154	4,877	33'-10"	38'-1"	10.31	11.61	138	113	106	85
	HTT15-10-45	4,551	5,343	36'-6"	40'-9"	11.12	12.42	151	124	116	93
	HTT15-11-45	4,948	5,810	39'-2"	43'-5"	11.94	13.23	165	135	126	101
	HTT15-12-45	5,346	6,276	41'-10"	46'-1"	12.75	14.05	178	145	136	109
	HTT15-13-45	5,743	6,742	44'-6"	48'-9"	13.56	14.86	191	156	146	117
	HTT15-14-45	6,140	7,208	47'-2"	51'-5"	14.38	15.67	204	167	156	125
	HTT15-15-45	6,537	7,675	49'-10"	54'-1"	15.19	16.48	217	178	166	133
15 Ft. (4.57 M) Diameter 60°	HTT15-6-60	3,234	3,797	31'-3"	35'-6"	9.53	10.82	108	88	82	66
	HTT15-7-60	3,631	4,263	33'-11"	38'-2"	10.34	11.63	121	99	92	74
	HTT15-8-60	4,028	4,729	36'-7"	40'-10"	11.15	12.45	134	110	102	82
	HTT15-9-60	4,425	5,195	39'-3"	43'-6"	11.96	13.26	147	120	112	90
	HTT15-10-60	4,822	5,662	41'-11"	46'-2"	12.78	14.07	160	131	123	98
	HTT15-11-60	5,220	6,128	44'-7"	48'-10"	13.59	14.88	174	142	133	106
	HTT15-12-60	5,617	6,594	47'-3"	51'-6"	14.40	15.70	187	153	143	115
	HTT15-13-60	6,014	7,060	49'-11"	54'-2"	15.21	16.51	200	164	153	123
	HTT15-14-60	6,411	7,527	52'-7"	56'-10"	16.03	17.32	213	174	163	131
18 Ft. (5.49 M) Diameter 45°	HTT18-6-45	4,430	5,200	27'-1"	32'-2"	8.25	9.81	147	121	113	90
	HTT18-7-45	5,002	5,872	29'-9"	34'-10"	9.06	10.62	166	136	127	102
	HTT18-8-45	5,573	6,543	32'-5"	37'-6"	9.88	11.43	185	152	142	114
	HTT18-9-45	6,145	7,215	35'-1"	40'-2"	10.69	12.25	204	167	156	125
	HTT18-10-45	6,717	7,886	37'-9"	42'-10"	11.50	13.06	223	183	171	137
	HTT18-11-45	7,289	8,558	40'-5"	45'-6"	12.31	13.87	242	198	185	149
	HTT18-12-45	7,861	9,229	43'-1"	48'-2"	13.13	14.68	261	214	200	160
	HTT18-13-45	8,433	9,901	45'-9"	50'-10"	13.94	15.50	280	229	214	172
	HTT18-14-45	9,005	10,572	48'-5"	53'-6"	14.75	16.31	299	245	229	184
	HTT18-15-45	9,577	11,243	51'-1"	56'-2"	15.57	17.12	318	261	243	195
	HTT18-16-45	10,149	11,915	53'-9"	58'-10"	16.38	17.93	337	276	258	207
HTT18-17-45	10,721	12,586	56'-5"	61'-6"	17.19	18.75	356	292	272	219	
18 Ft. (5.49 M) Diameter 60°	HTT18-6-60	4,898	5,751	33'-4"	38'-5"	10.16	11.72	163	133	124	100
	HTT18-7-60	5,470	6,422	36'-0"	41'-1"	10.97	12.53	182	149	139	112
	HTT18-8-60	6,042	7,093	38'-8"	43'-9"	11.79	13.34	201	164	154	123
	HTT18-9-60	6,614	7,765	41'-4"	46'-5"	12.60	14.16	220	180	168	135
	HTT18-10-60	7,186	8,436	44'-0"	49'-1"	13.41	14.97	239	195	183	147
	HTT18-11-60	7,758	9,108	46'-8"	51'-9"	14.23	15.78	258	211	197	158
	HTT18-12-60	8,330	9,779	49'-4"	54'-5"	15.04	16.59	277	227	212	170
	HTT18-13-60	8,902	10,451	52'-0"	57'-1"	15.85	17.41	296	242	226	182
	HTT18-14-60	9,473	11,122	54'-8"	59'-9"	16.66	18.22	315	258	241	193
HTT18-15-60	10,045	11,793	57'-4"	62'-5"	17.48	19.03	334	273	255	205	

TYPICAL GRAIN DENSITIES WHEAT: Approximately 772 kg/m³ (48.2 lb/ft³) | CORN: Approximately 721 kg/m³ (45 lb/ft³) | RICE: Approximately 579 kg/m³ (36.1 lb/ft³)



Bin Capacities

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
21 Ft. (6.40 M) Diameter 45°	HTT21-6-45	6,252	7,340	28'-4"	34'-4"	8.64	10.46	208	170	159	128
	HTT21-7-45	7,030	8,253	31'-0"	37'-0"	9.46	11.28	234	191	179	143
	HTT21-8-45	7,809	9,167	33'-8"	39'-8"	10.27	12.09	260	212	198	159
	HTT21-9-45	8,587	10,081	36'-4"	42'-4"	11.08	12.90	285	234	218	175
	HTT21-10-45	9,365	10,995	39'-0"	45'-0"	11.90	13.71	311	255	238	191
	HTT21-11-45	10,144	11,909	41'-8"	47'-8"	12.71	14.53	337	276	258	207
	HTT21-12-45	10,922	12,823	44'-4"	50'-4"	13.52	15.34	363	297	278	223
	HTT21-13-45	11,701	13,737	47'-0"	53'-0"	14.33	16.15	389	318	297	239
	HTT21-14-45	12,479	14,651	49'-8"	55'-8"	15.15	16.97	415	339	317	255
	HTT21-15-45	13,258	15,565	52'-4"	58'-4"	15.96	17.78	441	361	337	270
	HTT21-16-45	14,036	16,478	55'-0"	61'-0"	16.77	18.59	467	382	357	286
	HTT21-17-45	14,814	17,392	57'-8"	63'-8"	17.58	19.40	492	403	376	302
	HTT21-18-45	15,593	18,306	60'-4"	66'-4"	18.40	20.22	518	424	396	318
HTT21-19-45	16,371	19,220	63'-0"	69'-0"	19.21	21.03	544	445	416	334	
21 Ft. (6.40 M) Diameter 60°	HTT21-6-60	6,996	8,213	35'-8"	41'-8"	10.88	12.70	233	190	178	143
	HTT21-7-60	7,774	9,127	38'-4"	44'-4"	11.69	13.51	258	211	198	159
	HTT21-8-60	8,552	10,041	41'-0"	47'-0"	12.51	14.33	284	233	217	175
	HTT21-9-60	9,331	10,955	43'-8"	49'-8"	13.32	15.14	310	254	237	190
	HTT21-10-60	10,109	11,869	46'-4"	52'-4"	14.13	15.95	336	275	257	206
	HTT21-11-60	10,888	12,782	49'-0"	55'-0"	14.95	16.76	362	296	277	222
	HTT21-12-60	11,666	13,696	51'-8"	57'-8"	15.76	17.58	388	317	296	238
	HTT21-13-60	12,445	14,610	54'-4"	60'-4"	16.57	18.39	414	339	316	254
	HTT21-14-60	13,223	15,524	57'-0"	63'-0"	17.38	19.20	440	360	336	270
	HTT21-15-60	14,002	16,438	59'-8"	65'-8"	18.20	20.02	465	381	356	286
	HTT21-16-60	14,780	17,352	62'-4"	68'-4"	19.01	20.83	491	402	376	302
HTT21-17-60	15,558	18,266	65'-0"	71'-0"	19.82	21.64	517	423	395	317	
24 Ft. (7.32 M) Diameter 45°	HTT24-6-45	8,456	9,927	31'-1"	37'-11"	9.48	11.56	281	230	215	173
	HTT24-7-45	9,473	11,121	33'-9"	40'-7"	10.29	12.37	315	258	241	193
	HTT24-8-45	10,489	12,315	36'-5"	43'-3"	11.10	13.19	349	285	267	214
	HTT24-9-45	11,506	13,508	39'-1"	45'-11"	11.92	14.00	383	313	292	235
	HTT24-10-45	12,523	14,702	41'-9"	48'-7"	12.73	14.81	416	341	318	256
	HTT24-11-45	13,540	15,896	44'-5"	51'-3"	13.54	15.63	450	368	344	276
	HTT24-12-45	14,556	17,089	47'-1"	53'-11"	14.36	16.44	484	396	370	297
	HTT24-13-45	15,573	18,283	49'-9"	56'-7"	15.17	17.25	518	424	396	318
	HTT24-14-45	16,590	19,477	52'-5"	59'-3"	15.98	18.06	552	451	422	338
	HTT24-15-45	17,606	20,670	55'-1"	61'-11"	16.79	18.88	585	479	447	359
	HTT24-16-45	18,623	21,864	57'-9"	64'-7"	17.61	19.69	619	507	473	380
	HTT24-17-45	19,640	23,058	60'-5"	67'-3"	18.42	20.50	653	534	499	401
	HTT24-18-45	20,657	24,251	63'-1"	69'-11"	19.23	21.32	687	562	525	421
HTT24-19-45	21,673	25,445	65'-9"	72'-7"	20.05	22.13	721	590	551	442	

Specifications and design are subject to change without notice. All bins are designed for the storage of grain and other free-flowing materials weighing up to 52 lbs. per cubic foot (833 kg/m³). Cubic foot and cubic meter volumes are based on bin fill height 1' below eave level with grain peaked at the center using a 28 degree angle of repose. Maximum bushel capacities and metric ton capacities are based on 6% compaction.

COMMERCIAL HOPPER BINS

	MODEL	MAX CAPACITY (BUSHELS)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
27 Ft. (8.23 M) Diameter 40°	HTT27-6-40	10,722	12,588	30'-9"	38'-5"	9.37	11.72	356	292	272	219
	HTT27-7-40	12,009	14,099	33'-5"	41'-1"	10.19	12.53	399	327	305	245
	HTT27-8-40	13,296	15,609	36'-1"	43'-9"	11.00	13.34	442	362	338	271
	HTT27-9-40	14,582	17,120	38'-9"	46'-5"	11.81	14.16	485	397	371	298
	HTT27-10-40	15,869	18,631	41'-5"	49'-1"	12.62	14.97	528	432	403	324
	HTT27-11-40	17,156	20,141	44'-1"	51'-9"	13.44	15.78	570	467	436	350
	HTT27-12-40	18,443	21,652	46'-9"	54'-5"	14.25	16.60	613	502	469	376
	HTT27-13-40	19,730	23,163	49'-5"	57'-1"	15.06	17.41	656	537	501	403
	HTT27-14-40	21,016	24,674	52'-1"	59'-9"	15.88	18.22	699	572	534	429
	HTT27-15-40	22,303	26,184	54'-9"	62'-5"	16.69	19.03	741	607	567	455
	HTT27-16-40	23,590	27,695	57'-5"	65'-1"	17.50	19.85	784	642	599	481
	HTT27-17-40	24,877	29,206	60'-1"	67'-9"	18.31	20.66	827	677	632	508
	HTT27-18-40	26,164	30,717	62'-9"	70'-5"	19.13	21.47	870	712	665	534
HTT27-19-40	27,450	32,227	65'-5"	73'-1"	19.94	22.29	913	747	697	560	
30 Ft. (9.14 M) Diameter 40°	HTT30-6-40	13,643	16,017	32'-0"	40'-7"	9.75	12.36	454	371	347	278
	HTT30-7-40	15,232	17,882	34'-8"	43'-3"	10.57	13.17	506	414	387	311
	HTT30-8-40	16,821	19,748	37'-4"	45'-11"	11.38	13.99	559	458	427	343
	HTT30-9-40	18,409	21,613	40'-0"	48'-7"	12.19	14.80	612	501	468	376
	HTT30-10-40	19,998	23,478	42'-8"	51'-3"	13.00	15.61	665	544	508	408
	HTT30-11-40	21,586	25,343	45'-4"	53'-11"	13.82	16.42	718	587	548	440
	HTT30-12-40	23,175	27,208	48'-0"	56'-7"	14.63	17.24	770	630	589	473
	HTT30-13-40	24,764	29,073	50'-8"	59'-3"	15.44	18.05	823	674	629	505
	HTT30-14-40	26,352	30,938	53'-4"	61'-11"	16.26	18.86	876	717	670	538
	HTT30-15-40	27,941	32,803	56'-0"	64'-7"	17.07	19.68	929	760	710	570
	HTT30-16-40	29,530	34,668	58'-8"	67'-3"	17.88	20.49	982	803	750	603
	HTT30-17-40	31,118	36,533	61'-4"	69'-11"	18.69	21.30	1,035	847	791	635
	HTT30-18-40	32,707	38,399	64'-0"	72'-7"	19.51	22.11	1,087	890	831	667
HTT30-19-40	34,296	40,264	66'-8"	75'-3"	20.32	22.93	1,140	933	871	700	
33 Ft. (10.06 M) Diameter 40°	HTT33-6-40	17,000	19,958	33'-4"	42'-9"	10.15	13.03	565	462	432	347
	HTT33-7-40	18,922	22,215	36'-0"	45'-5"	10.97	13.84	629	515	481	386
	HTT33-8-40	20,844	24,472	38'-8"	48'-1"	11.78	14.66	693	567	530	425
	HTT33-9-40	22,767	26,728	41'-4"	50'-9"	12.59	15.47	757	619	578	465
	HTT33-10-40	24,689	28,985	44'-0"	53'-5"	13.40	16.28	821	672	627	504
	HTT33-11-40	26,611	31,242	46'-8"	56'-1"	14.22	17.09	885	724	676	543
	HTT33-12-40	28,533	33,499	49'-4"	58'-9"	15.03	17.91	949	776	725	582
	HTT33-13-40	30,456	35,755	52'-0"	61'-5"	15.84	18.72	1,012	829	774	621
	HTT33-14-40	32,378	38,012	54'-8"	64'-1"	16.66	19.53	1,076	881	823	661
	HTT33-15-40	34,300	40,269	57'-4"	66'-9"	17.47	20.34	1,140	933	871	700
	HTT33-16-40	36,222	42,526	60'-0"	69'-5"	18.28	21.16	1,204	985	920	739
	HTT33-17-40	38,145	44,782	62'-8"	72'-1"	19.09	21.97	1,268	1,038	969	778
	HTT33-18-40	40,067	47,039	65'-4"	74'-9"	19.91	22.78	1,332	1,090	1,018	818
HTT33-19-40	41,989	49,296	68'-0"	77'-5"	20.72	23.60	1,396	1,142	1,067	857	

TYPICAL GRAIN DENSITIES WHEAT: Approximately 772 kg/m³ (48.2 lb/ft³) | CORN: Approximately 721 kg/m³ (45 lb/ft³) | RICE: Approximately 579 kg/m³ (36.1 lb/ft³)



Bin Capacities

	MODEL	MAX CAPACITY (BUSHEL)	MAX CAPACITY (ft3)	EAVE HEIGHT (FEET)	OVERALL HEIGHT (FEET)	EAVE HEIGHT (METERS)	OVERALL HEIGHT (METERS)	MAX CAPACITY (m3)	MAX CAPACITY M/TON WHEAT	MAX CAPACITY M/TON CORN	MAX CAPACITY M/TON RICE
36 Ft. (10.97 M) Diameter 40°	HTT36-6-40	20,816	24,438	34'-7"	44'-10"	10.54	13.68	692	566	529	425
	HTT36-7-40	23,104	27,124	37'-3"	47'-6"	11.35	14.49	768	629	587	471
	HTT36-8-40	25,391	29,810	39'-11"	50'-2"	12.17	15.30	844	691	645	518
	HTT36-9-40	27,679	32,496	42'-7"	52'-10"	12.98	16.12	920	753	703	565
	HTT36-10-40	29,967	35,181	45'-3"	55'-6"	13.79	16.93	996	815	761	611
	HTT36-11-40	32,254	37,867	47'-11"	58'-2"	14.60	17.74	1,072	877	819	658
	HTT36-12-40	34,542	40,553	50'-7"	60'-10"	15.42	18.55	1,148	940	878	705
	HTT36-13-40	36,830	43,238	53'-3"	63'-6"	16.23	19.37	1,224	1,002	936	751
	HTT36-14-40	39,117	45,924	55'-11"	66'-2"	17.04	20.18	1,300	1,064	994	798
	HTT36-15-40	41,405	48,610	58'-7"	68'-10"	17.86	20.99	1,376	1,126	1,052	845
	HTT36-16-40	43,693	51,296	61'-3"	71'-6"	18.67	21.80	1,453	1,189	1,110	891
	HTT36-17-40	45,980	53,981	63'-11"	74'-2"	19.48	22.62	1,529	1,251	1,168	938
	HTT36-18-40	48,268	56,667	66'-7"	76'-10"	20.29	23.43	1,605	1,313	1,226	985
HTT36-19-40	50,555	59,353	69'-3"	79'-6"	21.11	24.24	1,681	1,375	1,284	1,032	

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P.O. Box 2105 ■ Grand Island, Nebraska 68802-2105, USA

+1.308.384.9320 Tel ■ +1.308.389.5253 Fax ■ 800.247.6621 Toll Free Outside Nebraska
800.658.3104 Toll Free Inside Nebraska ■ sales@mfsyork.com email ■ international@globalindinc.com email

www.mfsyork.com

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