

MERIDIAN

SMOOTHWALL BINS
EASTERN

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MERIDIAN



Since launching our first product 65 years ago, Meridian has set the standard in excellence for the storage and handling industry. Meridian has continuously incorporated the latest technological innovations to meet our customers' ever-changing needs. Meticulous attention to quality and detail reflects the attitude of an enthusiastic and skilled production team, providing confidence to each Meridian customer of a superior and dependable product. Meridian's best references are the thousands of farmers and commercial customers who have experienced the quality and value of the Meridian family of products.

Meridian and many Meridian dealers have trucks and trailers specifically designed to deliver and setup bins on each customer's yard. Our experienced drivers and dealers ensure each bin is positioned just right and ready to use.

A proven leader in storage versatility, Meridian product innovations include double walled fuel tanks and speciality oil tanks, serving both the agriculture and petroleum industries, setting manufacturing standards in product and service excellence.

Meridian is continually investing in the latest technology, equipment and training programs in an ongoing effort to carefully design and develop a most efficient and durable product. Robots are utilized in highly repetitive and tight welding spots to ensure unsurpassed welding procedures.

MERIDIAN

- 3** Top quality manufacturing
- 4** Premium powder coating
- 5** Multi-purpose Fertilizer Bins
- 7** GrainMax Bins
- 9** Feed Bins
- 11** Steep-cone Bins
- 13** Liquid Hopper Bins
- 15** Bin Options
- 16** Bin Specs
- 18** Experience the Advantages





TOP QUALITY MANUFACTURING

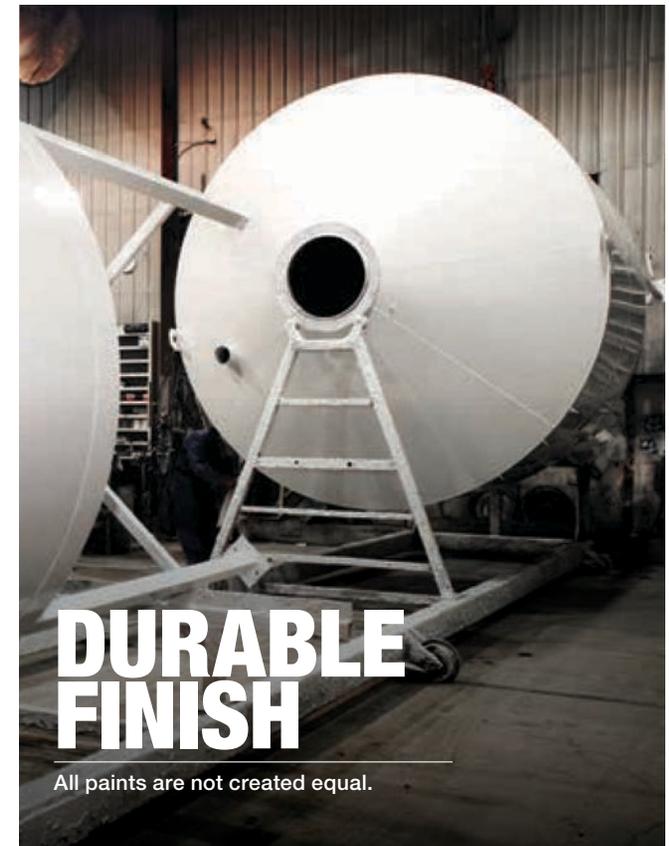


SUPERIOR AND DEPENDABLE

Our products are backed with a 10 year structural and 5 year paint warranty.

All our steel components and materials are designed and selected utilizing our suppliers' latest technology to ensure the best quality bin for each application. HSS (Hollow Structural Steel) tubing, leg bands, leg rings, bracing and sheeting are carefully selected for strength and milling, followed by rigorous cleaning and storage standards.

PREMIUM POWDER COATING



DURABLE FINISH

All paints are not created equal.

HIGHLIGHTS

- ▶ Twice the “salt spray rating” of regular powders
- ▶ Best in industry edge coverage on sharp surfaces
- ▶ Superior adhesion to all steel including seams and smooth surfaces
- ▶ Extra abrasion resistance
- ▶ Additional slip factor for improved product flow and cleanliness
- ▶ 10 year on structural integrity on SmoothWall hopper bins
- ▶ One year paint warranty for liquid and commercial SmoothWall hopper bins
- ▶ Five year paint warranty on all SmoothWall hopper bins (excluding liquid/commercial)

*Some sizes in US are not available in a powder coat finish.



MULTI-PURPOSE FERTILIZER BINS

Meridian multi-purpose bins are the #1 choice for fertilizer storage in Agribusiness and On-farm.

MEETS ALL YOUR NEEDS

Most versatile-multi-purpose hopper bin.



VERSATILITY

Used to handle and store fertilizer, grain, feed and seed and extends to coal and any other free-flowing, dry granular commodity. Meridian offers a variety of powder chemistry options including zinc and epoxies to ensure years of trouble free storage. Contact Meridian's sales team for any questions regarding our bins, including Series II, powder coating options and custom build requirements.

GREAT FEATURES. GREAT QUALITY

- ▶ HSS (hollow structural steel) legs and bracing
- ▶ Premium Rack-n-Pinion slide gate with crank
- ▶ Complete sidewall and roof ladder
- ▶ 25" top opening
- ▶ Vented top lid – spring loaded and ground operated
- ▶ Min. 40 degree bottom cone and 35 degree roof cone
- ▶ 24" clearance under the slide gate
- ▶ Interior paint



GRAINMAX BINS



SUPERIOR SELF CLEANING

Completely self-cleaning with no obstructions.

HIGH LEVEL PROTECTION.

Grain Max hopper bins offer top quality grain and seed storage at prices comparable to corrugated hopper combos. Without bolts and ribs, the Grain Max seamless interior allows for safe and easy unloading, while ensuring no seed or contaminants are trapped on the walls or joints.

Completely self-cleaning with no obstructions, Grain Max hopper bins are the safest and most efficient grain bins available. You and your family will appreciate the quality and safety of Grain Max, and the time and energy saved handling grain in a smooth-wall bin.

GREAT FEATURES. GREAT QUALITY

- ▶ HSS (hollow structural steel) legs and bracing
- ▶ Premium Rack-n-Pinion slide gate with crank
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- ▶ 25" top opening
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- ▶ 24" clearance under the slide gate



FEED BINS



**PERFECT
SIZE**

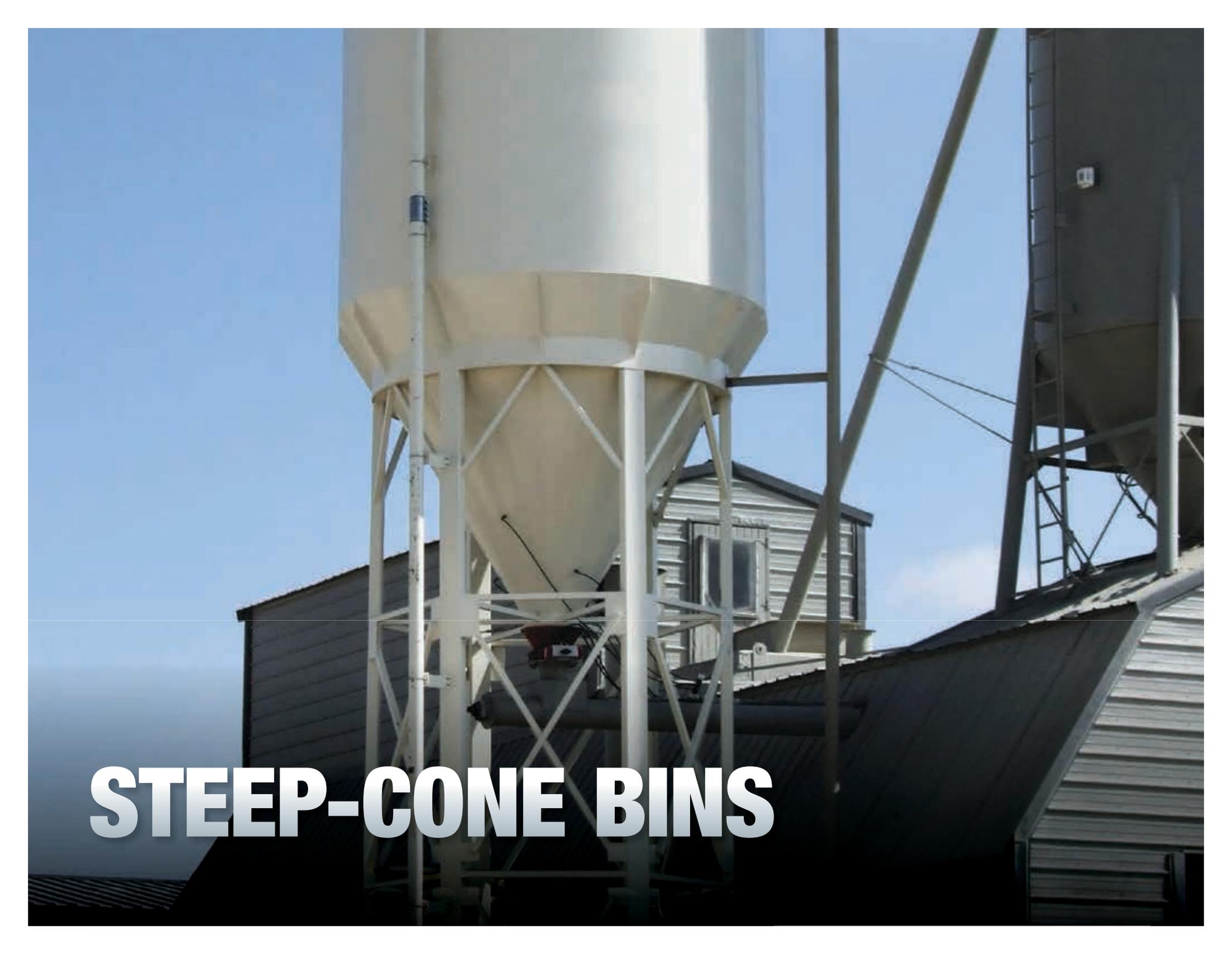
Meridian feed bins are the perfect size to protect feed quality.

QUALITY. MANAGEMENT.

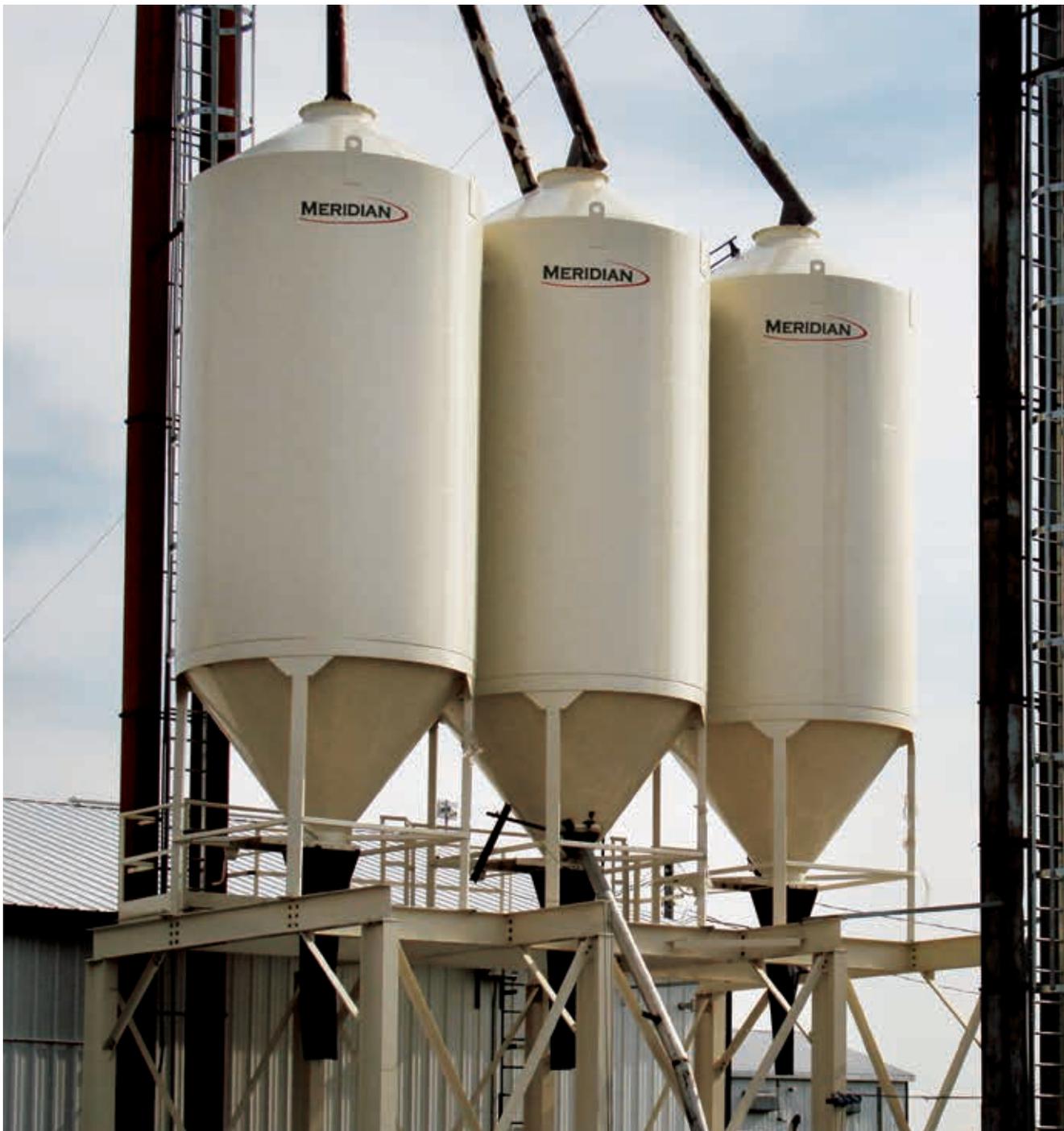
Meridian's SmoothWall Feed bins are designed with feed quality and management in mind. The advantage of Meridian's SmoothWall design is very evident in feed storage. Smooth cone and side-wall surfaces, without bolts or ribs, a bottom cone of 55 or 60 degrees, and our exclusive high slip factor powder coating, ensure feed discharge without hang ups and entrapments, thus reducing spoilage and unnecessary expenses.

GREAT FEATURES. GREAT QUALITY

- ▶ HSS (hollow structural steel) legs and bracing
- ▶ Complete sidewall and roof ladder
- ▶ 25" top opening
- ▶ Vented or non-vented top lid
- ▶ 55 degree or 60 degree bottom cone depending on model
- ▶ 30" clearance under the slide gate
- ▶ Interior paint

A photograph showing two large, cylindrical storage bins mounted on a roof. The bin in the foreground is white and features a steep, conical bottom section supported by a white metal lattice structure. A vertical pipe runs alongside the upper part of the bin. In the background, a second, taller bin is visible, this one is dark grey or black. The bins are situated on a roof with dark grey corrugated metal siding. A portion of a light-colored building with a window is visible behind the white bin. The sky is a clear, bright blue.

STEEP-CONE BINS



ELIMINATE HANG UPS.

For commodities requiring a steeper cone and more capacity than a feed bin, the solution is a Meridian Steep Cone series. These bins are built with the same standards as the fertilizer series, but feature a 55 degree bottom cone in capacities up to 202 MT.

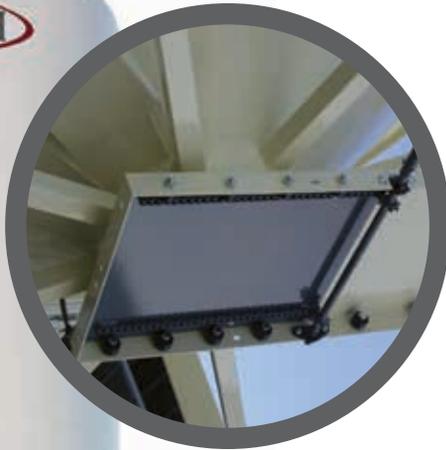
The variance of flow characteristics may result in some products bridging inside a bin. The Meridian Sales Team will ensure you receive the best bin design for your storage needs.

GREAT FEATURES. GREAT QUALITY

- ▶ HSS (hollow structural steel) legs and bracing
- ▶ Premium Rack-n-Pinion slide gate with crank
- ▶ Complete sidewall and roof ladder
- ▶ 25" top opening
- ▶ Vented top lid – spring loaded and ground operated
- ▶ 55 degree or 60 degree bottom cone depending on model
- ▶ 35 degree roof cone
- ▶ 24" clearance under the slide gate
- ▶ Interior paint



LIQUID HOPPER BINS



Optional bolt on slide gate assembly for use with dry flowable products



Heavy duty flanged bottom opening with stainless steel bottom plate assembly.

ULTIMATE STORAGE.

Meridian's Liquid hopper bins are the ultimate storage bins, taking versatility and multi-purpose to the extreme. In addition to storing all the dry flowable products of the fertilizer series, these bins are designed, engineered and painted to store a whole range of liquid products such as liquid fertilizer, liquid feed supplements and honey. With the exception of the bottom flange plate assembly, these bins look identical to the fertilizer bins, differing significantly however, in heavier gauge steel, welded inside and out, four coats of powder and other standard features.

GREAT FEATURES. GREAT QUALITY

- ▶ Minimum 12 gauge construction
- ▶ Welded - Inside and outside
- ▶ Interior has 2 coats of Meridian's epoxy powder
- ▶ Exterior has 2 coats of Meridian's exclusive premium powder finish with a Zinc undercoat
- ▶ Complete sidewall and roof ladder
- ▶ Heavy Duty flanged bottom opening with Stainless Steel Bottom Plate

OPTIONS



Bin Lid Opener
Easy opening of roof lid.



Bottom Manway
Access hole in bottom cone.



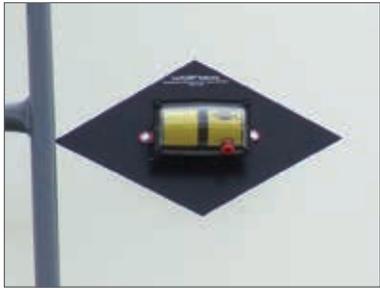
Fan Mounting Bracket
Support bracket mounted under fan.



Flanged Auger Boots
Fastens under slide gate assembly.
Standard & Flex Auger boots available.



Ladder Cage (Sidewall)
Safety enclosure for added security.
Roof handrail also available.



LevAlert
Level indicator on sidewall.



Liquid Site Gauge Valve
Safety enclosure for added security.



Pale Spout
For spot feeding or sampling.



Poke Hole
8" x 8" access to discharge just above gate.



Probe Hole
Access for fast product quality control.



Roof Manhole
Access hole in top cone.



Skid Foundation
Skid foundations are available for most bins.



Slide Gate Assembly
Also available in Stainless Steel.



Slide Gate to Chore Time Adaptor
Easy transition to a flex auger boot.



View Glass
4" round window on sidewall.

SPECS

MULTI-PURPOSE FERTILIZER BINS

Model #	Approx. Bushels	Cubic Feet	Imp. Tons	Metric Tonnes	Bin Height	Min. Auger
12' Diameter Bins - 45 Degree Bottom Cone						
1208	1095	1287	41.6	37.8	19'-8"	33'
1210	1287	1512	49.0	44.4	21'-8"	39'
1212	1479	1738	56.3	51.1	23'-8"	39'
1215	1768	2077	67.4	61.1	26'-8"	46'
1217	1947	2303	74.7	67.8	28'-8"	46'
1220	2233	2641	85.7	77.8	31'-8"	53'
1222	2424	2867	93.1	84.4	33'-8"	53'
1225	2710	3204	104.0	94.4	36'-8"	59'
1230	3187	3768	122.4	111.0	41'-8"	66'
1235	3665	4332	140.8	127.7	46'-8"	72'
13' Diameter Bins - 45 Degree Bottom Cone						
1310	1533	1813	58.7	53.2	22'-6"	39'
1312	1757	2078	67.3	61.1	24'-6"	* 39'
1315	2093	2475	80.3	72.8	27'-6"	46'
1317	2317	2740	88.9	80.6	29'-6"	* 46'
1320	2653	3138	101.8	92.4	32'-6"	53'
1322	2877	3401	110.4	100.1	34'-6"	* 53'
1325	3212	3798	123.3	111.9	37'-6"	59'
1327	3436	4063	131.9	119.7	39'-6"	66'
1330	3772	4461	144.9	131.4	42'-6"	66'
1332	3996	4725	153.5	139.3	44'-6"	72'
1335	4332	5123	166.4	151.0	47'-6"	72'
13'6" Diameter Bins - 40 Degree Bottom Cone						
1410	1637	1924	62.3	56.5	21'-11"	39'
1412	1881	2209	71.6	64.9	23'-11"	39'
1415	2246	2638	85.5	77.6	26'-11"	46'
1417	2489	2924	94.8	86.0	28'-11"	46'
1420	2854	3352	108.8	98.7	31'-11"	53'
1425	3462	4065	132.0	119.7	36'-11"	59'
1430	4071	4779	155.2	140.8	41'-11"	66'

All fertilizer bins, steep cone bins and liquid bins capacities are based on 62 lbs/ft³.

LIQUID BINS

Model #	Cubic Feet	U.S. Gallons	Imp. Gallons	Litres	Metric Tonnes	Bin Height
12' Diameter Bins - 45 Degree Bottom Cone						
1212L	1737	12991	10,817	49,175	64	23'-8"
1215L	2075	15521	12,924	58,755	76	26'-8"
1220L	2639	19739	16,436	74,721	97	31'-8"
13' Diameter Bins - 45 Degree Bottom Cone						
1315L	2473	18500	15,405	70,030	91	27'-6"
1320L	3135	23451	19,527	88,773	115	32'-6"
1325L	3797	28403	23,650	107,515	139	37'-6"
1330L	4459	33354	27,773	126,258	164	42'-6"
1335L	5121	38305	31,896	145,000	188	47'-6"
13'-6" Diameter Bins - 40 Degree Bottom Cone						
1412L	2208	16514	13,751	62,512	81	24'

Capacity calculated at 13 lbs/Imp gal.

FEED BINS

Model #	Approx. Bushels	Cubic Feet	Imp. Tons	Metric Tonnes	Bin Height	No. of Legs	Min. Auger
7 Diameter Bins - 60 Degree Bottom Cone							
705	255	301	6.0	5.5	14'-10"	4	33'
708	353	416	8.3	7.5	17'-10"	4	33'
710	419	492	9.8	8.9	19'-10"	4	33'
712	470	569	11.4	10.3	21'-10"	4	39'
715	568	684	13.7	12.4	24'-10"	4	39'
8 Diameter Bins - 55 Degree Bottom Cone							
805	332	393	7.9	7.1	15'	4	33'
808	462	543	10.9	9.9	18'	4	33'
810	547	643	12.9	11.7	20'	4	33'
812	633	744	14.9	13.5	22'	4	39'
815	757	894	17.9	16.2	25'	4	* 39'
9 Diameter Bins - 55 Degree Bottom Cone							
905	440	520	10.4	9.4	16'-1"	6	33'
908	601	710	14.2	12.9	19'-1"	6	33'
910	712	837	16.7	15.2	21'-1"	6	* 33'
912	820	964	19.3	17.5	23'-1"	6	39'
915	983	1154	23.1	20.9	26'-1"	6	46'
10 Diameter Bins - 55 Degree Bottom Cone							
1010	903	1061	21.2	19.3	22'-2"	6	39'
1012	1037	1218	24.4	22.1	24'-2"	6	39'
1015	1237	1453	29.1	26.4	27'-2"	6	46'

Slide Gate optional on Feed Bins.
Includes 30" bottom clearance.

STEEP CONE

Model #	Approx. Bushels	Cubic Feet	MT-1 (62lbs/ft ³)	MT-2 (40lbs/ft ³)	Bin Height	Min. Auger
12' Diameter Bins - 55° Bottom Cone						
1208-55	1178	1382	39	25	21'-10"	39'
1210-55	1371	1607	45	29	23'-10"	39'
1212-55	1563	1833	52	33	25'-10"	46'
1215-55	1851	2171	61	39	28'-10"	46'
1217-55	2029	2397	67	43	30'-10"	53'
1220-55	2315	2735	77	50	33'-10"	53'
1222-55	2506	2961	83	54	35'-10"	59'
1225-55	2792	3299	93	60	38'-10"	* 59'
1230-55	3269	3863	109	70	43'-10"	* 66'
1235-55	3658	4427	124	80	48'-10"	79'
13' Diameter Bins - 55° Bottom Cone						
1310-55	1636	1934	54	35	24'-11"	46'
1312-55	1860	2198	62	40	26'-11"	46'
1315-55	2196	2596	73	47	29'-11"	53'
1317-55	2420	2860	80	52	31'-11"	53'
1320-55	2757	3257	92	59	34'-11"	59'
1322-55	2980	3522	99	64	36'-11"	59'
1325-55	3316	3919	110	71	39'-11"	66'
1327-55	3540	4184	118	76	41'-11"	66'
1330-55	3876	4581	129	83	44'-11"	72'
1332-55	4100	4846	136	88	46'-11"	72'
1335-55	4436	5243	147	95	49'-11"	79'

GRAINMAX

Model #	Approx. Bushels	Cubic Feet	Imp. Tons	Metric Tonnes	Bin Height	Min. Auger
13' Diameter Bins - 45° Bottom Cone						
GM1310	1533	1813	47.3	42.9	22'-5"	39'
GM1315	2093	2475	64.7	58.7	27'-5"	46'
GM1320	2653	3138	82.1	74.5	32'-5"	53'
GM1325	3212	3800	99.5	90.3	37'-5"	59'
GM1330	3772	4462	116.9	106.0	42'-5"	66'
GM1335	4332	5125	134.3	121.8	47'-5"	72'
13'-6" Diameter Bins - 40° Bottom Cone						
GM1412	1881	2209	57.7	52.4	23'-11"	39'
GM1420	2854	3352	87.7	79.6	31'-11"	53'
GM1425	3463	4067	106.5	96.6	36'-11"	59'

CALCULATIONS

Bushel capacities are approximate
Feed bin capacities are based on 40 lbs/ft³.
All fertilizer bins, steep cone bins and liquid bins capacities are based on 62 lbs/ft³.

To select the most appropriate bin size for your storage, please follow these steps:

- Determine product density (lbs/ft³).
- Convert the total tonnage being stored to lbs, then divide by the density. The result is the cubic foot capacity you require.

To calculate a bins holding capacity of a specific product, follow these steps:

- Determine product density (lbs/ft³).
- Multiply the bins cubic foot capacity by the product density, then divide by 2204.
- Bushel calculations include approximately 5% compaction in cylinder.

* Auger length recommended will fit with no room to spare. The next auger length longer will work better.



Storage and Handling | Experience the Advantages

EXPERIENCE THE ADVANTAGES

Meridian is committed to manufacturing the highest quality products – with a full range of storage and handling options designed for any size of farm operation. Our vast network of dealers and customers across North America are ready to share with you their Meridian experience and how our family of products help to save time and money. The Meridian team of 1000-plus trained and dedicated employees delivers a superior product and is constantly looking at ways of improving our product lineup so we can better serve our customers.





Storage and Handling | Experience the **Advantages**

MULTI-PURPOSE FERTILIZER BINS • GRAINMAX BINS • FEED BINS • STEEP CONE BINS • LIQUID HOPPER BINS

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