



OPTIMUM

MANUFACTURING



*Premium Quality Bins
Manufactured To Satisfy Your Needs*

Service

To us at Optimum Manufacturing, quality comes first. Our bins are engineered to withstand the toughest conditions in order to give years of problem-free service.

All the components of the bins have to meet our quality standards, right from purchasing high quality coils, assembly, coating and then all the way to delivering to your premises.

Optimum Manufacturing strives to fulfill all your storage needs and works together with you until satisfaction is reached.

Our mission is to manufacture high quality bins tailored to our customer's needs.

Warranty

Optimum Manufacturing offers a 10-year pro-rated structural warranty, along with a 5-year pro-rated warranty on exterior and interior coatings.

Assembly



Products

Optimum Manufacturing offers a wide variety of silos and liquid tanks and will customize orders to meet all your needs. Bins come standard with a spring loaded top lid, side & roof ladders, and rack & pinion bottom gate.

Check out all our different options on page 6 and 7, or online at www.optimumbins.com.

- › *Feed Bins*
- › *Grain Bins*
- › *Liquid Bins*
- › *Steep Cone Bins*
- › *Multi-Purpose Bins*
- › *Custom Bins*

Common Accessories:

- › *Safety Cages*
- › *Poke Holes*
- › *Aeration*
- › *Levalert*
- › *and more!*



Liquid, Grain & Multipurpose Bins



Steep Cone & Feed Bins



Custom Built



Delivery & Installation: Quality Results



Premium Quality Bins

OPTIMUM MULTI-PURPOSE/FERTILIZER BINS

Models	Bushels	Cubic Feet	Short Tons	Metric Tons	Bin Height	Min. Auger
12' Diameter Bins - 45 Degree Bottom Cone						
1205	801	950	29.5	26.7	16'11"	36'
1208	1088	1290	40.0	36.3	19'11"	36'
1210	1279	1515	47.0	42.6	21'11"	41'
1212	1470	1740	53.9	48.9	23'11"	41'
1215	1756	2081	64.5	58.5	26'11"	51'
1217	1947	2307	71.5	64.9	28'11"	51'
1220	2233	2646	82.0	74.4	31'11"	61'
14' Diameter Bins - 45 Degree Bottom Cone						
1410	1814	2150	66.7	60.5	23'3"	41'
1412	2073	2457	76.2	69.1	25'3"	46'
1415	2463	2919	90.5	82.1	28'3"	51'
1417	2723	3227	100.0	90.8	30'3"	56'
1420	3112	3689	114.4	103.8	33'3"	61'
1425	3762	4459	138.2	125.4	38'3"	71'
16' Diameter Bins - 40 Degree Bottom Cone						
1610	2391	2835	87.9	79.8	23'10"	41'
1612	2731	3238	100.4	91.1	25'10"	46'
1615	3240	3841	119.1	108.0	28'10"	51'
1617	3579	4243	131.5	119.4	30'10"	56'
1620	4090	4846	150.2	136.3	33'10"	61'
1625	4937	5851	181.4	164.6	38'10"	71'
1630	5785	6857	212.6	192.9	43'10"	71'
1635	6634	7862	243.7	221.2	48'10"	81'
18' Diameter Bins - 40 Degree Bottom Cone						
1810	3138	3719	115.3	104.6	25'3"	46'
1815	4211	4992	154.8	140.4	30'3"	51'
1820	5284	6264	194.2	176.2	35'3"	61'
1825	6358	7536	233.6	212.0	40'3"	71'
1830	7431	8809	273.1	247.8	45'3"	71'
1834	8290	9827	304.6	276.4	49'3"	81'

OPTIMUM LIQUID BINS

Models	IMP. Gallons	U.S. Gallons	Litres	Cubic Feet	Short Tons	Metric Tons	Bin Height
1215-45L	12,962	15,567	58,928	1741	54.0	49.0	26'11"
1415-45L	18,187	21,841	82,678	2920	90.5	82.1	28'3"
1612-40L	20,169	24,222	91,692	3237	100.3	91.1	25'10"
1615-40L	23,927	28,734	108,772	3841	119.1	108.0	28'10"
1617-40L	26,431	31,742	120,159	4244	131.6	119.4	30'10"
1620-40L	30,188	36,256	137,239	4847	150.3	136.3	33'10"
1622-40L	32,693	39,262	148,626	5289	164.0	148.8	35'10"
1625-40L	36,450	43,775	165,706	5851	181.4	164.6	38'10"
1627-40L	38,955	46,783	177,093	6253	193.8	175.9	40'10"
1630-40L	42,712	51,295	194,174	6857	212.6	192.9	43'10"

CALCULATIONS

To determine what size bin is most appropriate for your needs:

- › Determine product density,
- › Take the total tonnage need to store and convert to pounds,
- › Divide this amount by the density of the product (lbs/ft³) which you need to store. The result is the total required cubic feet of room.

Example: Desired tonnage 100MT of feed at 40lbs/ft³.

$$100\text{MT} \times 2204\text{lbs/MT} = 220,400 \text{ lbs} \div 40 \text{ lbs/ft}^3 =$$

Total of 5510 ft³ needed to hold 100 MT of feed weighing 40lbs/ft³.

OPTIMUM STEEP CONE BINS

Models	Bushels	Cubic Feet	Short Tons	Metric Tons	Bin Height	Min. Auger
12' Diameter Bins - 55 Degree Bottom Cone						
1205-55	883	1047	32.5	29.5	19'1"	36'
1208-55	1170	1386	43.0	39.0	22'1"	41'
1210-55	1360	1612	50.0	45.3	24'1"	41'
1212-55	1551	1839	57.0	51.7	26'1"	46'
1215-55	1838	2178	67.5	61.3	29'1"	51'
14' Diameter Bins - 55 Degree Bottom Cone						
1410-55	1944	2304	71.4	64.8	25'11"	46'
1412-55	2204	2612	81.0	73.5	27'11"	51'
1415-55	2593	3074	95.3	86.5	30'11"	56'
1417-55	2853	3381	104.8	95.1	32'11"	61'
1420-55	3243	3843	119.1	108.1	35'11"	61'
16' Diameter Bins - 55 Degree Bottom Cone						
1610-55	2659	3152	97.7	88.7	28'	61'
1612-55	3000	3554	110.2	100.0	30'	56'
1615-55	3508	4157	128.9	116.9	33'	61'
1617-55	3847	4559	141.3	128.2	35'	61'
1620-55	4356	5162	160.0	145.2	38'	71'
1625-55	5204	6168	191.2	173.5	43'	71'
1630-55	6052	7173	222.4	201.8	48'	81'

OPTIMUM FEED BINS

Models	Bushels	Cubic Feet	Short Tons	Metric Tons	Bin Height	Legs
5' Diameter Bins - 60 Degree Bottom Cone						
503	84	98	2.0	1.8	9'10"	4
505	116	138	2.5	2.5	11'10"	4
508	166	197	3.5	3.6	14'10"	4
510	199	236	4.2	4.3	16'10"	4
7' Diameter Bins - 60 Degree Bottom Cone						
705	254	301	6.0	5.5	14'3"	4
708	351	417	8.3	7.6	17'3"	4
710	416	494	9.9	9.0	19'3"	4
8' Diameter Bins - 55 Degree Bottom Cone						
805	332	394	7.9	7.2	14'6"	4
808	459	544	10.9	9.9	17'6"	4
810	545	645	12.9	11.7	19'6"	4
812	629	746	14.9	13.5	21'6"	4
815	757	897	17.9	16.3	24'6"	4
9' Diameter Bins - 55 Degree Bottom Cone						
905	440	521	10.4	9.5	15'6"	6
908	601	712	14.2	12.9	18'6"	6
910	708	839	16.8	15.2	20'6"	6
912	815	967	19.3	17.5	22'6"	6
915	977	1157	23.1	21.0	25'6"	6
10' Diameter Bins - 55 Degree Bottom Cone						
1010	898	1064	21.3	19.3	21'7"	6
1012	1030	1221	24.4	22.2	23'7"	6
1015	1229	1457	29.1	26.4	26'7"	6

All stated bushel capacities are approximate and are based on a 5% product compaction.

- › Feed bin capacities are based on 40lbs/ft³.
- › Steep cone bin capacities are based on 62lbs/ft³.
- › Multi-purpose bin capacities are based on 62lbs/ft³.
- › Liquid bin capacities are based on 62lbs/ft³.

OPTIMUM will be pleased to help you find the appropriate bin for all your storage needs.

Manufactured To Satisfy Your Needs

All OPTIMUM bins come standard with the following:



Rack & Pinion Style
Bottom Gate Assembly



Bolt-On Side and
Roof Ladders



Polyurethane Exterior
Coating



Spring-Loaded Lid

The following options can be added on most bins:

Please contact us with any additional requirements you may have.



Horizontal or Vertical
Aeration Packages



Man-Holes /
Vented Man-Hole



Bottom Manway



Poke Hole



14" & 18" Roof Vents



LevALERT



Site Glass (Oval)



Vibrator Mount



Pail Fill Spout



Chore Time Collar



Auger Boots



Bottom Skids



Ladder Safety Caging /
Roof Handrail



Bolt-On Lids
Various Flanged Openings



Leg Extensions



Interior Epoxy Liner

Stainless Steel





John DeKok - Sales
Cell: (403) 795-1184
Email: john@optimumbins.com

110047, RR 222
Box 706 T0K 1V0
Picture Butte, Alberta
Phone: (403) 380-5080
Office Fax: (403) 329-3841
Email: info@optimumbins.com
www.optimumbins.com