

SIoux STEEL COMPANY



FARM/COMM GRAIN SYSTEMS



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SIoux STEEL COMPANY ENGINEERING PROGRESSIVE STORAGE SOLUTIONS SINCE 1918

What makes Sioux Steel Company unique?

- Products with the best warranties in the industry.
- Committed to helping find the right solution for each customer.
- Pioneers of building stronger products with the highest ratings.
- Products that have proven themselves since 1918.
- 4th generation, family-owned company.



Innovative Grain
Storage Solutions
Manufactured By A
Family-Owned
Company With Over
100 Years
Of Experience



Locations & Delivery

Sioux Steel Grain Systems have been installed all across the world. Whether a bin is delivered right in our home state of South Dakota or shipped to an International destination, we take pride in knowing that we are in control of scheduling and delivery.

We have our own trucking company, PlainsXpress, to make sure that loads are not only shipped quickly, but accurately too.



The Systems To Have

No other product can match our quality and durability, while offering the most common sense solution for grain storage.

The first in the industry to engineer grain systems that can store 64lb/bushel grain is just one of the progressive innovations that comes with having a Sioux Steel Grain Storage System.

Each system is professionally engineered to maximize your investment.

Innovative Grain Storage Solutions

GRAIN WEIGHTS

"We've seen test weights of grains increase over the last decade due to new hybrids and genetics. We now average 60 lb. per bushel corn, 60 lb. per bushel wheat and our soybeans range in the 55 lb. to 60 lb. range. **Grain storage facilities need to account for these increased test weights in the engineering of their products**". - Pat Tracy, Farm Manager, J.E.S. Farms, Pierre, S.D.

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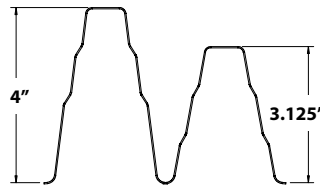
CUTTING EDGE ROOF DESIGNS

Sioux Steel Farm/Comm Grain Systems

Roof Panels On 42' - 66' Bins Feature **FOUR INCH RIBS**

Four inch ribs on each roof panel are the **tallest in the industry!** Compared to roof ribs that are only 3 1/8" tall, 4" ribs are **40 percent stronger.**

Roofs are more resistant to high winds and larger snow loads keeping your investment safe during harsh weather conditions.



SINGLE PIECE ROOF PANELS On Bins Up To 66'

Sioux Steel Farm/Comm bins, up to 66' in diameter, feature single stage, single piece roof panels. As a result, roofs are **easier to assemble.**

Construction crews no longer have to spend time constructing roof panel transitions. **Fewer parts & easier construction** result in less installation time.

FARM/COMM ROOF OPTIONS

• 6 TO 14 RINGS • 30psf Ground Snow Load	3,500 lb Peak Load	8,000 lb Peak Load	10,000 lb Peak Load
18' (3 1/8" Roof Ribs)	X		
21' (3 1/8" Roof Ribs)	X		
24' (3 1/8" Roof Ribs)	X		
27' (3 1/8" Roof Ribs)	X		
30' (3 1/8" Roof Ribs)	X		
33' (3 1/8" Roof Ribs)	X		
36' (3 1/8" Roof Ribs)	X	X	
42'		X (4" Roof Ribs)	X (3 1/8" Roof Ribs)
48'		X (4" Roof Ribs)	X (3 1/8" Roof Ribs)
54' (4" Roof Ribs)			X
60' (4" Roof Ribs)			X
66' (4" Roof Ribs)			X

* Rib stiffeners available on 18' to 36' roof systems.



STRONGER SIDE WALLS

Sioux Steel Farm/Comm Grain Systems

Farm/Comm Side Walls Are **FULLY STIFFENED**

A bin which is fully stiffened, from the first ring at the base of the bin to the top, is capable of carrying high vertical grain loads.

Our Farm/Comm bins can **store grains weighing up to 64lbs/bushel.** This is above the industry standard, allowing our bins to be utilized for years to come.

2 Stiffeners Per Side Wall Sheet



STIFFENER SPLICING Is The Best In The Industry

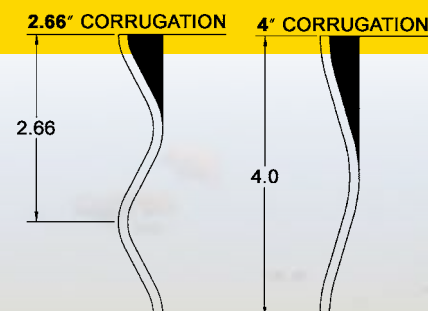
Stiffener splices ensure that the vertical loads are transferred properly between stiffener sections. **Both an insert and two back plates** are used at each stiffener splice location ensuring that bypassing does not occur.

We utilize **7/16" hardware** in all wall sheet seams and at all stiffener to wall sheet connections. 7/16" fasteners are 36% stronger than 3/8".

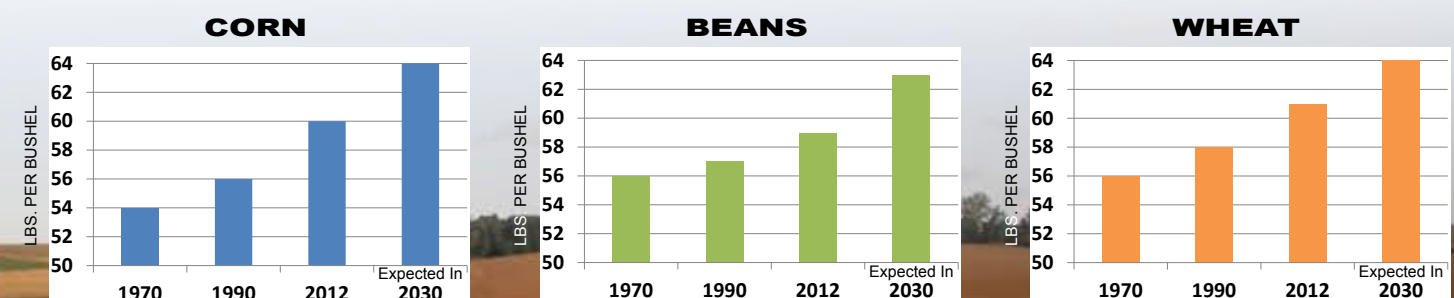


G115 GALVANIZED STEEL IS STANDARD ON FARM/COMM BINS

- Designed for free flowing grains up to 51 lbs/ft³ (55 lbs/ft³ including compaction)
- 2 stiffeners per side wall sheet on stiffened bins
- 4" corrugation and 55 ksi yield strength (70 ksi tensile) steel
- Can be filled at up to 20,000 bushels per hour and unloaded at up to 25,000 bph.



GRAIN WEIGHTS Farm/Comm Grain Systems are engineered for grains weighing up to 64lbs/bushel!



A survey was sent to 3,683 Elevator Managers across the U.S. to obtain findings.

SIDE DRAW UNLOAD SYSTEM

Our available side draw unload system has a 12"x12" discharge opening for unload rates of up to 9,000 bu/hr. Spout extensions come standard when ordering a side discharge.



ACCESSORIES

Farm/Comm Grain Systems

- Grain Legs
- Grain Loop Systems
- Drag Conveyors
- Continuous Flow Dryers
- Stirring Machines
- Grain Spreaders
- Grain Monitoring
- Towers/Catwalks/Support Structure



FANS

Axial Fans

Airflow is increased by not allowing air to blow back through the blade and the housing for greater efficiency.

Centrifugal Fans

Adjustable legs on these quiet fans allow for easy leveling and support while giving more flexibility for adjusting to inconsistencies in a concrete pad. Add a Variable Frequency Drive (VFD) fan control to your centrifugal fans to maximize efficiency.



UNLOAD SYSTEMS

Daay Power Sweep

Designed to be fully submersed in grain. Single or multiple passes, the paddle chain moves grain gently and evenly to the sump. The power sweep has a capacity up to 5000 bu/hr.



EXTRAC Paddle Sweep

Features independent center pivots and position sensing allowing TWO sweeps to more effectively clean the grain bin. Capacity up to 11,000 bu/hr.



ACCESS POINTS

Access Doors

Doors are strategically placed and feature tieless inside panels, secure latching and a large 36"x 27" opening.



Walk-In Doors

Large 1-tier & 1-1/2 tier door options are available. 1-1/2 tier door openings are 27" x 58" tall.



Man-Ways

Largest man-way in the industry. Sioux Steel's man-way is 24" x 34", giving you the ability to maneuver easily.

FLOORS

Floor & Floor Support System

Designed to allow required air flow under the entire floor surface, floor supports are available in 20, 18 or 16 gauge, galvanized steel formed with ten vertical ribs to support grain depths up to 70 feet.



LJI Floor Support System

- High strength per square foot of floor
- Unobstructed air movement
- Ease of erection and stability
- Support grain depths up to 70 feet



LADDERS & CAGES

Ladder & Cage Systems

Manufactured from sturdy aluminum sections that fit the bin side wall with each ring. An economical way to gain access to the roof of the bin.



Ladder security doors are available and attach to the outside grain bin ladder to impede it's use. Doors can be locked and measure 21" x 76".

STAIRS

Greene Stairs

Installed on bin in either direction. A step, 20" wide, is mounted 6" from the bin wall producing a 26" wide walkway.

- Stairs
- Platforms - intermediate, twin, ladder or end platforms
- Platform fillers
- Booster/door steps



LIFELINE TIE-OFFS

Farm/comm bins have available lifeline anchor point at the peak of the roof as well as at the man-way. If entrance to the bin is required these two points provide the entrant with secure tie-off points.



Bin capacities shown with air floor option. Bin volume calculations based upon ASAE S413.1; 28 degree angle of fill, 8% compaction & 769kg/m³ bulk density. Total height based upon standard 30" peak cap.

18' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	4,913	133	5,661	160	22.00	6.71	27.67'	8.43
7	5,714	155	6,584	186	25.67	7.82	31.33'	9.55
8	6,515	177	7,507	213	29.33	8.94	35.00'	10.67
9	7,316	198	8,431	239	33.00	10.06	38.67'	11.79
10	8,118	220	9,354	265	36.67	11.18	42.33'	12.90
11	8,919	242	10,277	291	40.33	12.29	46.00'	14.02
12	9,720	263	11,200	317	44.00	13.41	49.67'	15.14
13	10,521	285	12,123	343	47.67	14.53	53.33'	16.26
14	11,323	307	13,047	369	51.33	15.65	57.00'	17.37

For bin capacities without an air floor option, add 241 to Bushels Capacity. (For metric, add 7 to Metric Tons Capacity)

21' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	6,765	183	7,796	221	22.00	6.71	28.58'	8.71
7	7,856	213	9,052	256	25.67	7.82	32.25'	9.83
8	8,947	242	10,309	292	29.33	8.94	35.92'	10.95
9	10,037	272	11,565	327	33.00	10.06	39.58'	12.07
10	11,128	302	12,822	363	36.67	11.18	43.25'	13.18
11	12,218	331	14,079	399	40.33	12.29	46.92'	14.30
12	13,309	361	15,335	434	44.00	13.41	50.58'	15.42
13	14,399	390	16,592	470	47.67	14.53	54.25'	16.54
14	15,490	420	17,849	505	51.33	15.65	57.92'	17.65

For bin capacities without an air floor option, add 328 to Bushels Capacity. (For metric, add 9 to Metric Tons Capacity)

24' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	8,939	242	10,300	292	22.00	6.71	29.25'	8.92
7	10,364	281	11,942	338	25.67	7.82	32.92'	10.03
8	11,788	319	13,583	385	29.33	8.94	36.58'	11.15
9	13,212	358	15,224	431	33.00	10.06	40.25'	12.27
10	14,637	397	16,866	478	36.67	11.18	43.92'	13.39
11	16,061	435	18,507	524	40.33	12.29	47.58'	14.50
12	17,486	474	20,148	571	44.00	13.41	51.25'	15.62
13	18,910	512	21,789	617	47.67	14.53	54.92'	16.74
14	20,334	551	23,431	663	51.33	15.65	58.58'	17.86

For bin capacities without an air floor option, add 429 to Bushels Capacity. (For metric, add 12 to Metric Tons Capacity)

27' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	11,444	310	13,186	373	22.00	6.71	30.07'	9.19
7	13,247	359	15,264	432	25.67	7.82	33.83'	10.31
8	15,049	408	17,341	491	29.33	8.94	37.50'	11.43
9	16,852	457	19,418	550	33.00	10.06	41.17'	12.55
10	18,655	506	21,495	609	36.67	11.18	44.83'	13.67
11	20,458	554	23,573	668	40.33	12.29	48.50'	14.78
12	22,260	603	25,650	726	44.00	13.41	52.17'	15.90
13	24,063	652	27,727	785	47.67	14.53	55.83'	17.02
14	25,866	701	29,804	844	51.33	15.65	59.50'	18.14

For bin capacities without an air floor option, add 543 to Bushels Capacity. (For metric, add 15 to Metric Tons Capacity)

30' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	14,289	387	16,464	466	22.00	6.71	31.17'	9.50
7	16,514	448	19,029	539	25.67	7.82	34.83'	10.62
8	18,740	508	21,593	611	29.33	8.94	38.50'	11.73
9	20,966	568	24,158	684	33.00	10.06	42.17'	12.85
10	23,191	628	26,722	757	36.67	11.18	45.83'	13.97
11	25,417	689	29,287	829	40.33	12.29	49.50'	15.09
12	27,642	749	31,851	902	44.00	13.41	53.17'	16.21
13	29,868	809	34,416	975	47.67	14.53	56.83'	17.32
14	32,094	870	36,980	1,047	51.33	15.65	60.50'	18.44

For bin capacities without an air floor option, add 670 to Bushels Capacity. (For metric, add 18 to Metric Tons Capacity)

33' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	17,484	474	20,146	570	22.00	6.71	32.00'	9.75
7	20,177	547	23,249	658	25.67	7.82	35.67'	10.87
8	22,870	620	26,352	746	29.33	8.94	39.33'	11.99
9	25,562	693	29,455	834	33.00	10.06	43.00'	13.11
10	28,255	766	32,558	922	36.67	11.18	46.67'	14.22
11	30,948	839	35,661	1,010	40.33	12.29	50.33'	15.34
12	33,641	912	38,764	1,098	44.00	13.41	54.00'	16.46
13	36,334	985	41,867	1,186	47.67	14.53	57.67'	17.58
14	39,027	1,058	44,970	1,273	51.33	15.65	61.33'	18.69

For bin capacities without an air floor option, add 811 to Bushels Capacity. (For metric, add 22 to Metric Tons Capacity)

36' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	21,038	570	24,241	686	22.00	6.71	33.00'	10.06
7	24,243	657	27,934	791	25.67	7.82	36.67'	11.18
8	27,448	744	31,627	896	29.33	8.94	40.33'	12.29
9	30,653	831	35,320	1,000	33.00	10.06	44.00'	13.41
10	33,858	917	39,013	1,105	36.67	11.18	47.67'	14.53
11	37,062	1,004	42,706	1,209	40.33	12.29	51.33'	15.65
12	40,267	1,091	46,399	1,314	44.00	13.41	55.00'	16.76
13	43,472	1,178	50,092	1,418	47.67	14.53	58.67'	17.88
14	46,677	1,265	53,785	1,523	51.33	15.65	62.33'	19.00

For bin capacities without an air floor option, add 965 to Bushels Capacity. (For metric, add 26 to Metric Tons Capacity)

42' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	29,264	793	33,720	955	22.00	6.71	34.67'	10.57
7	33,627	911	38,747	1,097	25.67	7.82	38.33'	11.68
8	37,989	1,029	43,773	1,240	29.33	8.94	42.00'	12.80
9	42,351	1,148	48,800	1,382	33.00	10.06	45.67'	13.92
10	46,713	1,266	53,826	1,524	36.67	11.18	49.33'	15.04
11	51,075	1,384	58,853	1,667	40.33	12.29	53.00'	16.15
12	55,437	1,502	63,879	1,809	44.00	13.41	56.67'	17.27
13	59,800	1,620	68,905	1,951	47.67	14.53	60.33'	18.39
14	64,162	1,739	73,932	2,094	51.33	15.65	64.00'	19.51

For bin capacities without an air floor option, add 1,314 to Bushels Capacity. (For metric, add 36 to Metric Tons Capacity)

48' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	39,045	1,058	44,990	1,274	22.00	6.71	36.50'	11.13
7	44,742	1,212	51,555	1,460	25.67	7.82	40.17'	12.24
8	50,440	1,367	58,120	1,646	29.33	8.94	43.83'	13.36
9	56,137	1,521	64,685	1,832	33.00			



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Interested in working for Sioux Steel Company?
Scan this QR Code with your smartphone to e-mail
us for our current employment opportunities.

ADVANTAGES

- Only grain systems that offer **4" roof rib panels**. Tallest in the industry!
- **Single piece roof panels** on all farm/comm bins.
- Systems can store **64lb/bushel grains**.
- Only company offering **66' diameter** farm/comm bins.
- **10 year warranty** is standard on every grain system.



19
SINCE
18

Since 1918, Sioux Steel Company is now in its fourth generation as a family-owned company. Based in Sioux Falls, South Dakota, we know the agricultural industry and know that you need high-quality, dependable products. Our mission continues to be not only to satisfy our customers, but we want them to be *delighted* to do business with us.

