SIOUX STEEL COMPANY

FARM/COMM GRAIN SYSTEMS

W: www.siouxsteel.com // **T:** 1-800-557-4689 // **E:** info@siouxsteel.com

FARM/COMM GRAIN SYSTEMS

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.
- 5th generation, family-owned company.

Edition 08/24

SIOUX STEEL COMPANY®

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

SIOUX STEEL PRODUCTS ARE MADE IN THE USA

The Systems To Have

No other product can match our quality and durability, while offering the most common sense solution for grain storage. **Each system is professionally engineered to maximize your investment.**

The first in the industry to engineer farm 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.

Innovative Grain Storage Solutions

Stay Connected With Us

Curious about our latest news and events? Want to learn more about our new and existing products? A complete Sioux Steel experience awaits when you join our global community.

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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.*

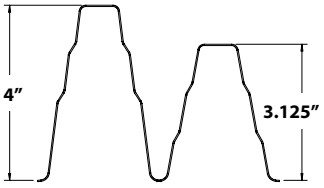
CUTTING EDGE ROOF DESIGNS

Sioux Steel Farm/Comm Grain Systems

Farm/Comm Roof Panels 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.

FARM/COMM ROOF OPTIONS

• 6 TO 14 RINGS • 30psf Ground Snow Load	3,000 lb Peak Load	6,000 lb Peak Load	10,000 lb Peak Load	15,000 lb Peak Load
18' (4" Roof Ribs)	x			
21' (4" Roof Ribs)	x			
24' (4" Roof Ribs)	x			
27' (4" Roof Ribs)	x			
30' (4" Roof Ribs)		x		
33' (4" Roof Ribs)		x		
36' (4" Roof Ribs)		x	x	
42' (4" Roof Ribs)		x	x	x
48' (4" Roof Ribs)		x	x	x
54' (4" Roof Ribs)			x	x
60' (4" Roof Ribs)			x	x
66' (4" Roof Ribs)			x	x

* Rib stiffeners available on 18' to 36' roof systems. All roofs are rated for 105 MPH wind zone as defined by ASCE 7-10 code.

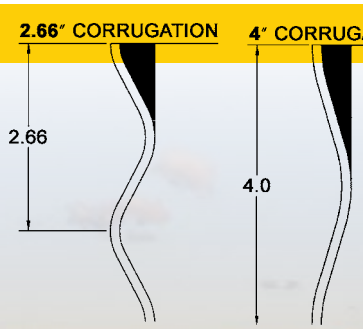
SINGLE PIECE ROOF PANELS On Bins Up To 66'

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.

4" CURRUGATION IS STANDARD ON FARM/COMM BINS

- **60lb/bu System** designed for free flowing grains up to 48 lbs/ft³ (52 lbs/ft³ including compaction).
- **64lb/bu System** 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 up to 55 ksi yield strength (70 ksi tensile) steel.
- Can be filled at up to 20,000 bu/hr and unloaded at up to 25,000 bu/hr.



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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 64lb/bushel.** This is above the industry standard, allowing our bins to be utilized for years to come.

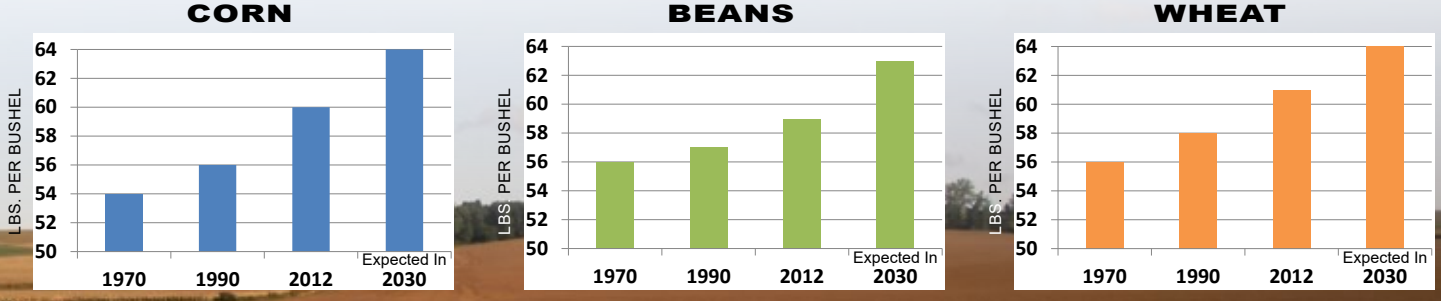
60lb/bushel Farm/Comm bins are also available, offering the same durability and 10 year warranty as our 64lb/bushel Farm/Comm bin.

STIFFENER SPLICING Is The Best In The Industry

10" wide stiffener splices ensure that the vertical loads are transferred properly between stiffener sections.

Sioux Steel Farm/Comm bins also utilize **7/16" hardware** in all wall sheet seams and at all stiffener to wall sheet connections. **7/16" fasteners are 36% stronger than the standard 3/8" hardware.**

GRAIN WEIGHTS Farm/Comm Grain Systems are engineered for grains weighing up to 64lb/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

Triumph Fans
Choose from 7.5hp and 10hp, single or three phase. No transition to assemble. Designed to be used on new or existing sites.

Centrifugal Fans
Manufactured with heavy duty 11 gauge side rails, resulting in less vibration for a more stable platform which adds longevity to the life of the fan.

Axial Fans
Airflow is increased by not allowing air to blow back through the blade and the housing for greater 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 5,000 bu/hr.

DPS G2
The sweep has no dangerous augers to worry about and can unbury itself from a grain avalanche. 5,500 bu/hr maximum capacity.

ACCESS POINTS

Access Doors
Doors are strategically placed and feature tieless inside panels, secure latching and a large 34" 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 60" 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 heavy-duty steel 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.

SIOUX STEEL COMPANY®

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	26.98'	8.22
7	5,714	155	6,584	186	25.67	7.82	30.64'	9.34
8	6,515	177	7,507	213	29.33	8.94	34.31'	10.46
9	7,316	198	8,431	239	33.00	10.06	37.98'	11.58
10	8,118	220	9,354	265	36.67	11.18	41.64'	12.69
11	8,919	242	10,277	291	40.33	12.29	45.31'	13.81
12	9,720	263	11,200	317	44.00	13.41	48.98'	14.93
13	10,521	285	12,123	343	47.67	14.53	52.64'	16.05
14	11,323	307	13,047	369	51.33	15.65	56.31'	17.16

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	27.85'	8.49
7	7,856	213	9,052	256	25.67	7.82	31.52'	9.61
8	8,947	242	10,309	292	29.33	8.94	35.19'	10.72
9	10,037	272	11,565	327	33.00	10.06	38.85'	11.84
10	11,128	302	12,822	363	36.67	11.18	42.52'	12.96
11	12,218	331	14,079	399	40.33	12.29	46.19'	14.08
12	13,309	361	15,335	434	44.00	13.41	49.85'	15.19
13	14,399	390	16,592	470	47.67	14.53	53.52'	16.31
14	15,490	420	17,849	505	51.33	15.65	57.19'	17.43

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	29.19'	8.90
7	10,364	281	11,942	338	25.67	7.82	32.85'	10.01
8	11,788	319	13,583	385	29.33	8.94	36.52'	11.13
9	13,212	358	15,224	431	33.00	10.06	40.19'	12.25
10	14,637	397	16,866	478	36.67	11.18	43.85'	13.37
11	16,061	435	18,507	524	40.33	12.29	47.52'	14.48
12	17,486	474	20,148	571	44.00	13.41	51.19'	15.60
13	18,910	512	21,789	617	47.67	14.53	54.85'	16.72
14	20,334	551	23,431	663	51.33	15.65	58.52'	17.84

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	30.03'	9.15
7	13,247	359	15,264	432	25.67	7.82	33.69'	10.27
8	15,049	408	17,341	491	29.33	8.94	37.36'	11.39
9	16,852	457	19,418	550	33.00	10.06	41.03'	12.51
10	18,655	506	21,495	609	36.67	11.18	44.69'	13.62
11	20,458	554	23,573	668	40.33	12.29	48.36'	14.74
12	22,260	603	25,650	726	44.00	13.41	52.03'	15.86
13	24,063	652	27,727	785	47.67	14.53	55.69'	16.98
14	25,866	701	29,804	844	51.33	15.65	59.36'	18.09

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	30.90'	9.42
7	16,514	448	19,029	539	25.67	7.82	34.57'	10.54
8	18,740	508	21,593	611	29.33	8.94	38.24'	11.65
9	20,966	568	24,158	684	33.00	10.06	41.90'	12.77
10	23,191	628	26,722	757	36.67	11.18	45.57'	13.89
11	25,417	689	29,287	829	40.33	12.29	49.24'	15.01
12	27,642	749	31,851	902	44.00	13.41	52.90'	16.12
13	29,868	809	34,416	975	47.67	14.53	56.57'	17.24
14	32,094	870	36,980	1,047	51.33	15.65	60.24'	18.36

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	31.75'	9.68
7	20,177	547	23,249	658	25.67	7.82	35.42'	10.80
8	22,870	620	26,352	746	29.33	8.94	39.09'	11.91
9	25,562	693	29,455	834	33.00	10.06	42.75'	13.03
10	28,255	766	32,558	922	36.67	11.18	46.42'	14.15
11	30,948	839	35,661	1,010	40.33	12.29	50.09'	15.27
12	33,641	912	38,764	1,098	44.00	13.41	53.75'	16.38
13	36,334	985	41,867	1,186	47.67	14.53	57.42'	17.50
14	39,027	1,058	44,970	1,273	51.33	15.65	61.09'	18.62

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	32.59'	9.93
7	24,243	657	27,934	791	25.67	7.82	36.26'	11.05
8	27,448	744	31,627	896	29.33	8.94	39.93'	12.17
9	30,653	831	35,320	1,000	33.00	10.06	43.59'	13.29
10	33,858	917	39,013	1,105	36.67	11.18	47.26'	14.40
11	37,062	1,004	42,706	1,209	40.33	12.29	50.93'	15.52
12	40,267	1,091	46,399	1,314	44.00	13.41	54.59'	16.64
13	43,472	1,178	50,092	1,418	47.67	14.53	58.26'	17.76
14	46,677	1,265	53,785	1,523	51.33	15.65	61.93'	18.88

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	34.34'	10.47
7	33,627	911	38,747	1,097	25.67	7.82	38.00'	11.58
8	37,989	1,029	43,773	1,240	29.33	8.94	41.67'	12.70
9	42,351	1,148	48,800	1,382	33.00	10.06	45.34'	13.82
10	46,713	1,266	53,826	1,524	36.67	11.18	49.00'	14.94
11	51,075	1,384	58,853	1,667	40.33	12.29	52.67'	16.05
12	55,437	1,502	63,879	1,809	44.00	13.41	56.34	17.17
13	59,800	1,620	68,905	1,951	47.67	14.53	60.00'	18.29
14	64,162	1,739	73,932	2,094	51.33	15.65	63.67'	19.41

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	36.05'	10.99
7	44,742	1,212	51,555	1,460	25.67	7.82	39.72'	12.11
8	50,440	1,367	58,120	1,646	29.33	8.94	43.39'	13.22
9	56,137	1,521	64,685	1,832	33.00	10.06	47.05'	14.34
10	61,835	1,676	71,250	2,018	36.67	11.18	50.72'	15.46
11	67,532	1,830	77,816	2,203	40.33	12.29	54.39'	16.58
12	73,230	1,984	84,381	2,389	44.00	13.41	58.05'	17.69
13	78,928	2,139	90,946	2,575	47.67	14.53	61.72'	18.81
14	84,625	2,293	97,511	2,761	51.33	15.65	65.39'	19.93

For bin capacities without an air floor option, add **1,716** to Bushels Capacity.
*(For metric, add **46** to Metric Tons Capacity)*

54' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	50,456	1,367	58,139	1,646	22.00	6.71	37.83'	11.53
7	57,667	1,563	66,448	1,882	25.67	7.82	41.50'	12.65
8	64,878	1,758	74,757	2,117	29.33	8.94	45.16'	13.77
9	72,089	1,954	83,066	2,352	33.00	10.06	48.83'	14.88
10	79,300	2,149	91,375	2,587	36.67	11.18	52.50'	16.00
11	86,511	2,344	99,684	2,823	40.33	12.29	56.17'	17.12
12	93,722	2,540	107,993	3,058	44.00	13.41	59.83'	18.24
13	100,933	2,735	116,302	3,293	47.67	14.53	63.50'	19.35
14	108,144	2,931	124,611	3,529	51.33	15.65	67.17'	20.47

For bin capacities without an air floor option, add **2,171** to Bushels Capacity.
*(For metric, add **59** to Metric Tons Capacity)*

60' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	63,576	1,723	73,256	2,074	22.00	6.71	39.46'	12.03
7	72,478	1,964	83,514	2,365	25.67	7.82	43.13'	13.15
8	81,381	2,205	93,772	2,655	29.33	8.94	46.79'	14.26
9	90,283	2,447	104,030	2,946	33.00	10.06	50.46'	15.38
10	99,185	2,688	114,288	3,236	36.67	11.18	54.13'	16.50
11	108,088	2,929	124,546	3,527	40.33	12.29	57.79'	17.61
12	116,990	3,170	134,804	3,817	44.00	13.41	61.46'	18.73
13	125,893	3,412	145,062	4,108	47.67	14.53	65.13'	19.85
14	134,795	3,653	155,320	4,398	51.33	15.65	68.79'	20.97

For bin capacities without an air floor option, add **2,681** to Bushels Capacity.
*(For metric, add **73** to Metric Tons Capacity)*

66' DIAMETER Farm/Commercial

RINGS	CAPACITY		VOLUME		HEIGHT			
	Bushels	Metric Tons	Cubic Feet	Cubic Meters	Eave (Feet)	Eave (Meters)	Total (Feet)	Total (Meters)
6	78,480	2,127	90,430	2,561	22.00	6.71	41.13'	12.53
7	89,252	2,419	102,842	2,912	25.67	7.82	44.80'	13.65
8	100,024	2,711	115,255	3,264	29.33	8.94	48.46'	14.77
9	110,796	3,002	127,667	3,615	33.00	10.06	52.13'	15.89
10	121,568	3,294	140,079	3,967	36.67	11.18	55.79'	17.01
11	132,340	3,586	152,491	4,318	40.33	12.29	59.46'	18.12
12	143,112	3,878	164,904	4,670	44.00	13.41	63.13'	19.24
13	153,884	4,170	177,316	5,021	47.67	14.53	66.79'	20.36
14	164,656	4,462	189,728	5,372	51.33	15.65	70.46'	21.48

For bin capacities without an air floor option, add **3,244** to Bushels Capacity.
*(For metric, add **88** to Metric Tons Capacity)*

SIOUX STEEL COMPANY

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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 available to store either **60lb/bu or 64lb/bu grains**.
- Offering the **largest man-way** in the industry.
- **10 year warranty** is standard on farm & farm/comm bins.

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19 SINCE 18

Since 1918, Sioux Steel Company is now in its fifth 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.

BBB ACCREDITED BUSINESS
A+ RATING

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