



Grain Bins



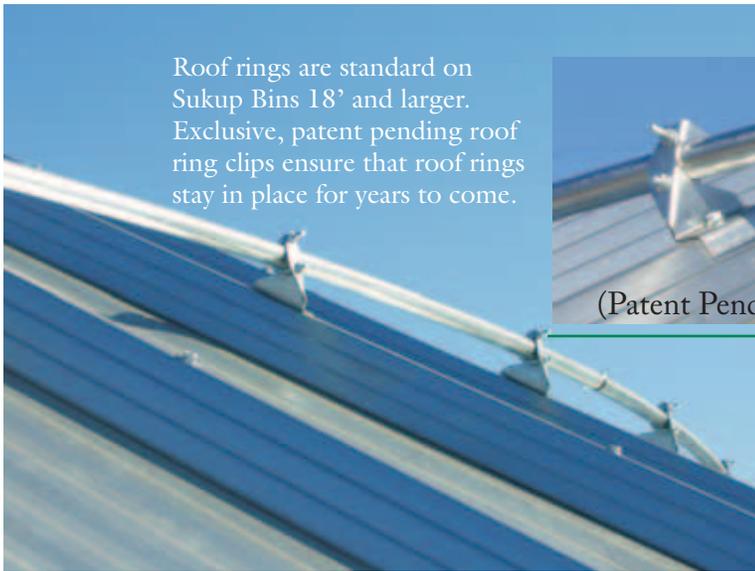
- Farm Bins
- Drying
- Storage
- Wet Holding
- Commercial



Leading the industry

After looking at bins from the inside out for nearly 40 years, Sukup made the critical decision to start building our own bins to complete our line of grain handling, drying and storage equipment. We brought in many bin experts to help us design our bins from scratch, unhindered by years of “we’ve always done it that way.” We then invested in new bin manufacturing equipment that is the most advanced, most efficient, and most accurate in the world. Two sidewall lines allow us to keep up with the high demand for bins as more and more producers realize the benefits of on-farm storage.

The result – the Most Advanced Bin for the 21st Century, from the leader in grain drying, handling and storage - Sukup Manufacturing Co.



Roof rings are standard on Sukup Bins 18' and larger. Exclusive, patent pending roof ring clips ensure that roof rings stay in place for years to come.



(Patent Pending)

Extra-Strong Farm Roof - 5000 lb.

Sukup has designed our farm bin roof to withstand a 40 lb/sq. ft. ground snow load and wind loads generated from 90 mph gust wind speeds. The 5000 lb. roof load is standard on all farm bins up to 48'. An optional 8000 lb. roof is available for 48' bins.



The strength of Sukup roofs starts with high-strength steel. Each sheet is rigidized every 4" to increase the stiffness of the panels, making them easier to handle.

3" ribs serve as rafters for the roof structure, thereby; strengthening the sheets. The bends on each side of the ribs further increase strength, allowing Sukup roofs to withstand heavy snow loads and high winds. Sukup takes the extra step of using two different size rollers to make the ribs on our roof sheets. With this system, the upper (overlapping) rib is slightly larger than the lower, allowing the sheets to completely overlap and nest properly.

The lower rib on Sukup roofs is slightly smaller than the upper to allow the sheets to nest properly and create a tighter seal than other roofs. Our extra-tall 3" ribs serve as rafters, strengthening our roof sheets.



The Bottom Line: Top-of-the-Line Production Equipment.

When Sukup began producing bins, we invested in the most technologically advanced roll-forming equipment, built to our exacting standards, putting us decades ahead of the competition. We have continued to add to that equipment as our bin line has grown.

Our sidewall sheets start out as coils of flat steel. Our machines punch the bolt holes, form the corrugations, and create the curve in the sheets, all to our tight tolerances. We also add a coating of oil to prevent white rust. Every major component of a Sukup Grain Bin starts out as blank steel that our dedicated employees use to create a top-quality finished product that they, and you, can be proud of.

ry with innovative ideas



Man-Sized Access: Larger Manhole

Sukup designed our bin roofs with the largest manhole in the industry - an oval opening that measures 20" x 35.5" - making it a comfortable fit for farmers and allowing over 5 ft² of air exhaust area. A formed lip and rubber gasket keep rain and snow out of the bin. The cover fits securely over the lip, preventing any moisture leakage.



Special latches hold the manhole cover firmly in place. The latches can be easily released from the ladder side. When open, the door lays flat against the roof, eliminating the mess of water and soggy bees wings.

Proper Ventilation: Sukup Roof Vents

Sukup vents mount higher on the roof, which allows more moisture to be released during the drying process, reducing the amount of moisture deposited on the upper portion of the grain during cooling.

Sukup roof sheets can be pre-punched for 18" roof vents. Pre-punching the vent holes produces an extra-tall (1 1/8") extruded lip that works as a barrier, preventing moisture from leaking into the bin through the vent opening.



The lip on Sukup vent openings is taller than other brands to form a better moisture barrier.



Opening Innovations:

Extra-large, Extra-Strong Fill Hole

The fill hole on Sukup Bins is an extra-large 38" that provides approximately 8 ft² of air exhaust area. The double-domed cap that covers the fill hole is mounted on steel rods to allow it to slide open and closed and prevent it from being thrown around on windy days.

Options

- Optional remote lid opener allows the fill hole cap to be opened from the ground.
- 60" octagonal diamond deck lid may be added in place of the domed lid.



5-Year Limited Warranty on Sukup Bins

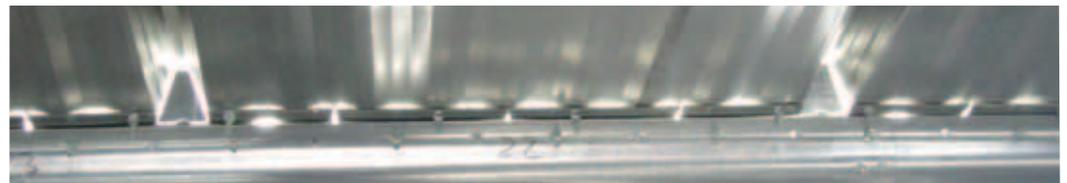
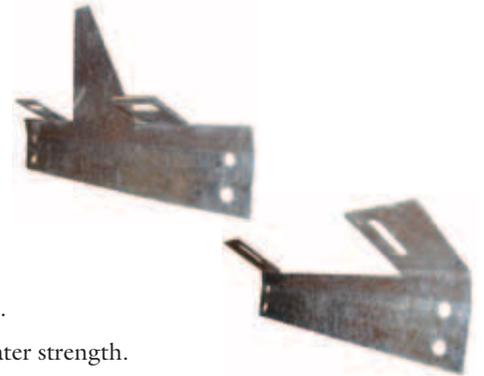
Built to Last: Serrated Flange Nuts on Roof Panels

Sukup uses serrated flange nuts to join and secure the roof panels. The flange makes erection quicker and easier and the serrations grip the roof surface and prevent the nut from working loose.



Powerful Support: Roof Clips

- Sukup has the strongest roof to sidewall connections in the industry.
- With Sukup's standard double-tab roof clips, sheets are supported every 9-3/8" at the eave.
- Roof fastening clips may be set in either the "up" position for exhausting moisture-saturated air when drying or the "down" position for storage situations.
- Optional continuous eave clip available for even greater strength.



- Optional continuous eave vent gives the same strength of our regular continuous eave clip, but with the added benefit of additional open area, reducing the number of roof vents required.





The Strength You Need

Rolled Flange or Base Angle

Sukup Bins are available with either a rolled flange bottom sheet or bolt-on base angle.

Rolled Flange



Base Angle

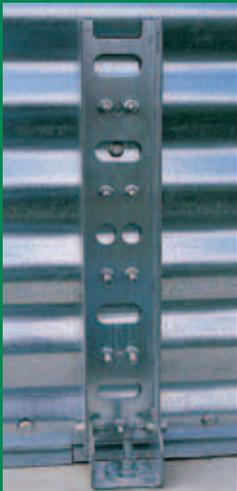


Holding Strong: Exclusive Anchor Bracket

As with many other aspects of their bins, Sukup has taken the anchor bracket to a new level, literally. The Sukup anchor bracket serves as a short stiffener. It is approximately 22" high to extend above the plenum area. Extending the bracket reduces the stresses caused by vertical loads on the sidewall sheets at the bottom ring.

The patented design of Sukup anchor brackets allows them to be reversed for use with either bolt-on base angle or rolled flange.

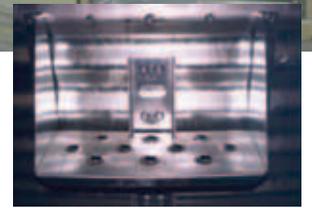
The two-piece, channel-shape, "L" bracket transfers the vertical load directly to the concrete foundation, rather than through the shoe, preventing damage to the bracket and/or the bottom bin sheet. The bracket also prevents vertical and horizontal movement of the bottom bin sidewall sheets. The exclusive two-piece design allows the bracket to flex with the movement of the bin.



Patent No.:
US 6,941,712

Strong and Versatile: Sukup Bin Door

Sukup offers two bin door designs – a 66" door, standard for drying or storage bins with 7 or fewer rings, and a 66" door for storage bins with 8 rings or more. A 66" door is available as an option on 8 - 12 ring bins. Both doors are made of heavy-gauge, galvanized steel and are factory-assembled for a good fit and seal. Sukup Bin doors feature a reversible hinge that allows the door to open to the left or right, whichever works best for your system. The top and bottom latches on the outer door are connected for one-hand operation.



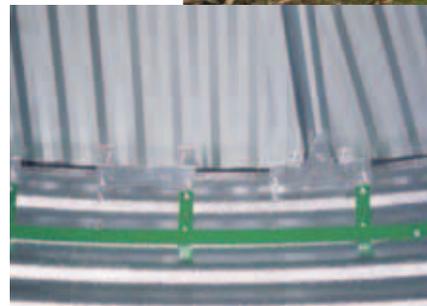
A Step Ahead: Sukup Bin Step

The Sukup bin step (included standard) is made from heavy-gauge galvanized steel with a special non-slip surface that doesn't hold water, providing sure footing, no matter what the weather. The bin step is notched to fit around Sukup anchor brackets, ensuring proper placement and a good fit.

Go Together Fast, Stand Up Strong: Sukup Sidewall Sheets

Sukup's advanced roll forming equipment and fixtures ensure close tolerances and high quality for the best fitting bin on the market. The precision-engineered, 4" wide corrugated, high-strength, galvanized steel sidewall sheets provide better vertical load carrying capacity. The 4" wide corrugations also create less resistance and friction to allow grain to flow more easily.

Sukup has streamlined bin erection by producing sidewall sheets with bolt holes that align properly, and also by pre-punching sheets for flashing, bolt-on base angle and Fastir stirring machine track (all optional and at no charge). You can also have transition openings pre-cut for your Sukup Fans at a nominal charge.



Over
Bin M
Avail

The Little Things Matter...A Lot

Sukup's dedication to quality doesn't stop with the "big things". All bolts on a Sukup Grain Bin are SAE Grade 8.2 (the highest standard in the industry) with JS 500 plating. The charts at right show the differences between bolts used by Sukup (in green) and those used by other bin companies.

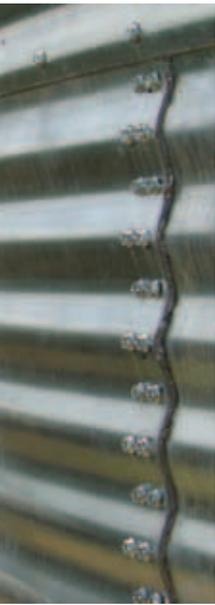
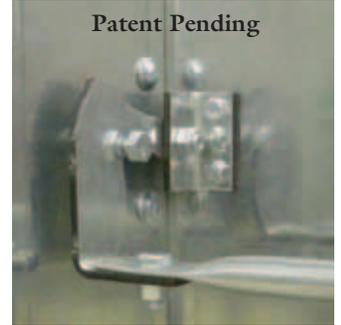
Bolt Grade	Pr Lo (P
8.2 (Sukup)	120
5	85
2	55

eed; Quality You Can Count On



On the Inside: Inner Bin Door

Sukup has designed a truly convenient inner bin door. It has no tie-bars to contend with and is specially-designed to swing open a full 180° to rest flat against the sidewall. The door latch allows single-handed operation and provides plenty of room for hands and knuckles during operation. The Hammer Head™ latch ensures easy opening of doors. Hinge adjustments allow you to maintain a good inner door seal.



Form a Strong Bond: Bolts and Bolt Patterns

Sukup uses Grade 8.2 JS 500 plated bolts with a Polyethylene seal to join the sidewall sheets and form a weather-tight bond.

All vertical seams are bolted in the peak and valley. 5/16" flange nuts increase connection strength and form a tighter seal.



At the Top: Sukup Roof Rungs and Ladders

All Sukup Bins are equipped with eave-to-peak roof ladder rungs. The rungs have a rounded design, eliminating sharp edges. Steps around the perimeter of the fill hole increase safety and convenience when working around the top of the bin.

Inside and outside ladders are needed for your safety and are available to your preference. Sukup ladders feature continuous handrails and rungs that are securely fastened, so they can't turn. Cages are available for outside ladders for increased safety. Manhole access platforms, landing platforms and stairs are also available.



3000
Models
Available

Roof Load (psi)	Yield Strength (psi)	Tensile Strength (psi)
10,000	130,000	150,000
20,000	92,000	120,000
30,000	57,000	74,000

Corrosion Protection	Hours to Red Rust
JS 500 (Sukup)	500
Polyseal	240
Zinc Dichromate	108
Zinc	72





Drying Bins



Leading the Field

Sukup has been the leader in fans and heaters for grain drying for decades. Why? Because Sukup Fans are tops in airflow and Sukup heaters produce the most heat possible from the fuel consumed, resulting in clean, efficient drying.

Sukup also leads the way in unloading equipment. The Sukup Sweepway™ Power Sweep features fast, safe unloading. The Sweepway™ is permanently installed and all controls are located outside the bin, so there's no need to enter the bin.



Complete Stirring for Even Drying: Fastir™ Plus
The Sukup Fastir™ Plus with its patented mechanical reversing system, is simply the most dependable stirring machine available. And, the constant pitch down augers move more grain for more even moisture content and less overdrying. A stationary outside auger on the Fastir™ Plus ensures complete stirring around the outside portion of the bin, where a large portion of the grain is located.



No One Knows Drying Like Sukup

For more than forty years, Sukup has been making grain drying more efficient and profitable. We have the equipment to do the job, and do it right. And, we have the bins to handle it!



Our standard stiffened and non-stiffened bins are designed for stir drying with three or fewer down auger stirring machines. If you're using a continuous flow drying system with a horizontal bottom unload, a top dry system, a recirculator system with a center, vertical unload or a stirring machine with 4 or more down augers, a Sukup Heavy Gauge Drying Bin is the bin you need. Sukup Heavy Gauge Drying Bins were specifically-designed for the demands of these in-bin continuous flow drying systems.

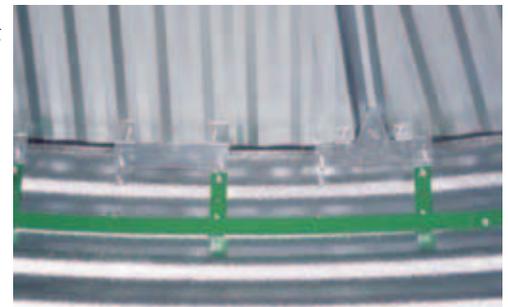
Sukup Heavy Gauge Drying Bins are available in the sizes shown at right, stiffened or non-stiffened. 7 rings available stiffened only.

# of Rings	Eave Ht.	Avail. Dia.
5	18'5"	15'-48'
6	22'1"	15'-48'
7	25'9"	15'-48'

Let Off Some Steam: Sukup Bin Roofs

Proper moisture and air movement are essential for effective drying, so Sukup built their bins accordingly.

Sukup roof clips are designed to give you the eave clearance you need. In the down or storage position, the eave opening is narrow to protect your grain from the elements and keep pests out. But, if you're drying, you need additional eave clearance to allow moisture-saturated air to escape, so Sukup designed their roof clips with an "up" position as well. The "up" or drying position provides additional ventilation area.



The 32° pitch on Sukup Bin Roofs allows moisture to drain off easily.

DANGER! DO NOT ENTER BIN!

Keep Clear of all augers.

If you must enter the bin:

- Shut off and lock out all power.
- Use a safety harness and safety line.
- Station another person outside the bin.
- Avoid the center of the bin
- Wear proper breathing equipment or respirator.
- Follow all applicable safety regulations.

Purchase ladder and safety cages and use a safety harness.

Maintain secure hand and foot hold when climbing.

Metal is slippery when wet.

To avoid falls, never carry items while climbing on bin.

Failure to heed these warning will result in serious injury or death.



Rotating flighting will kill or dismember.



Crusted material will collapse and suffocate.



Flowing material will trap and suffocate.



Bin Specifications

Dia.	Rings	Eave Height	Peak Height	Max. Cap.	Level Cap.	Max. Cap. w/ Plenum	Level Cap. w/ Plenum	
15'	3	11'1"	15'5"	1848 Bu.	1651 Bu.	1693 Bu.	1496 Bu.	
	4	14'9"	19'	2395	2198	2239	2042	
	5	18'5"	22'8"	2941	2744	2786	2589	
	6	22'1"	26'4"	3487	3290	3332	3135	
	7	25'9"	30'	4033	3836	3878	3681	
	8	29'5"	33'8"	4580	4383	4425	4228	
	9	33'1"	37'4"	5126	4929	4971	4774	
	10	36'9"	41'	5672	5475	5517	5320	
	11	40'5"	44'8"	6219	6022	6063	5866	
	12	44'1"	48'4"	6765	6568	6610	6413	
	18'	3	11'1"	16'6"	2718	2378	2495	2154
		4	14'9"	20'2"	3505	3165	3281	2941
5		18'5"	23'10"	4292	3951	4068	3728	
6		22'1"	27'6"	5078	4738	4855	4514	
7		25'9"	31'2"	5865	5525	5641	5301	
8		29'5"	34'10"	6652	6311	6428	6088	
9		33'1"	38'6"	7438	7098	7215	6874	
10		36'9"	42'2"	8225	7885	8001	7661	
11		40'5"	45'10"	9012	8671	8788	8448	
12		44'1"	49'6"	9798	9458	9575	9234	
21'		3	11'1"	17'4"	3777	3237	3473	2932
		4	14'9"	21'	4848	4307	4544	4003
	5	18'5"	24'8"	5919	5378	5614	5074	
	6	22'1"	28'4"	6989	6449	6685	6145	
	7	25'9"	32'	8060	7520	7756	7215	
	8	29'5"	35'8"	9131	8590	8827	8286	
	9	33'1"	39'4"	10,202	9661	9897	9357	
	10	36'9"	43'	11,272	10,732	10,968	10,428	
	11	40'5"	46'8"	12,343	11,802	12,039	11,498	
	12	44'1"	50'4"	13,414	12,873	13,110	12,569	
	24'	3	11'1"	18'4"	5034	4227	4637	3830
		4	14'9"	22'	6433	5626	6035	5229
5		18'5"	25'8"	7831	7024	7434	6627	
6		22'1"	29'4"	9230	8423	8833	8026	
7		25'9"	33'	10,628	9821	10,231	9424	
8		29'5"	36'8"	12,027	11,220	11,630	10,823	
9		33'1"	40'4"	13,425	12,618	13,028	12,221	
10		36'9"	44'	14,824	14,017	14,427	13,620	
11		40'5"	47'8"	16,222	15,416	15,825	15,018	
12		44'1"	51'4"	17,621	16,814	17,224	16,417	
27'		3	11'1"	19'1"	6499	5350	5996	4847
		4	14'9"	22'9"	8269	7120	7766	6617
	5	18'5"	26'5"	10,039	8890	9536	8387	
	6	22'1"	30'1"	11,809	10,660	11,306	10,157	
	7	25'9"	33'9"	13,579	12,430	13,076	11,927	
	8	29'5"	37'5"	15,349	14,200	14,846	13,697	
	9	33'1"	41'1"	17,119	15,970	16,616	15,467	
	10	36'9"	44'9"	18,889	17,740	18,386	17,237	
	11	40'5"	48'5"	20,659	19,510	20,156	19,007	
	12	44'1"	52'1"	22,429	21,280	21,926	20,777	
	30'	3	11'1"	20'1"	8181	6605	7560	5984
		4	14'9"	23'9"	10,366	8790	9746	8170
5		18'5"	27'5"	12,552	10,976	11,931	10,355	
6		22'1"	31'1"	14,737	13,161	14,116	12,540	
7		25'9"	34'9"	16,922	15,346	16,301	14,725	
8		29'5"	38'5"	19,107	17,531	18,486	16,910	
9		33'1"	42'1"	21,292	19,716	20,672	19,096	
10		36'9"	45'9"	23,478	21,902	22,857	21,281	
11		40'5"	49'5"	25,663	24,087	25,042	23,466	
12		44'1"	53'1"	27,848	26,272	27,227	25,651	

Dia.	Rings	Eave Height	Peak Height	Max. Cap.	Level Cap.	Max. Cap. w/ Plenum	Level Cap. w/ Plenum	
33'	3	11'1"	21'8"	10,090 Bu.	7992 Bu.	9339 Bu.	7241 Bu.	
	4	14'9"	24'9"	12,734	10,636	11,983	9885	
	5	18'5"	28'5"	15,378	13,280	14,627	12,529	
	6	22'1"	32'1"	18,022	15,925	17,270	15,173	
	7	25'9"	35'9"	20,666	18,569	19,914	17,817	
	8	29'5"	39'5"	23,310	21,213	22,559	20,462	
	9	33'1"	43'1"	25,954	23,857	25,203	23,106	
	10	36'9"	46'9"	28,598	26,501	27,847	25,750	
	11	40'5"	50'5"	31,243	29,145	30,491	28,394	
	12	44'1"	54'1"	33,887	31,789	33,135	31,038	
	36'	3	11'1"	22'2"	12,235	9512	11,341	8618
		4	14'9"	25'10"	15,381	12,658	14,488	11,764
5		18'5"	29'6"	18,528	15,805	17,634	14,911	
6		22'1"	33'2"	21,675	18,952	20,781	18,058	
7		25'9"	36'10"	24,822	22,098	23,928	21,204	
8		29'5"	40'6"	27,968	25,245	27,074	24,351	
9		33'1"	44'2"	31,115	28,392	30,221	27,498	
10		36'9"	47'10"	34,262	31,538	33,368	30,644	
11		40'5"	51'6"	37,408	34,685	36,514	33,791	
12		44'1"	55'2"	40,555	37,832	39,661	36,938	
42'		3	11'1"	23'11"	17,271	12,946	16,054	11,729
		4	14'9"	27'7"	21,554	17,229	20,337	16,012
	5	18'5"	31'3"	25,837	21,512	24,620	20,295	
	6	22'1"	34'11"	30,120	25,795	28,903	24,578	
	7	25'9"	38'7"	34,403	30,078	33,186	28,861	
	8	29'5"	42'3"	38,686	34,361	37,469	33,144	
	9	33'1"	45'11"	42,969	38,644	41,752	37,427	
	10	36'9"	49'7"	47,252	42,927	46,035	41,710	
	11	40'5"	53'3"	51,534	47,210	50,318	45,993	
	12	44'1"	56'11"	55,817	51,493	54,601	50,276	
	48'	3	11'1"	25'8"	23,365	16,909	21,775	15,320
		4	14'9"	29'4"	28,959	22,503	27,369	20,914
5		18'5"	33'	34,553	28,098	32,964	26,508	
6		22'1"	36'8"	40,147	33,692	38,558	32,102	
7		25'9"	40'4"	45,741	39,286	44,152	37,696	
8		29'5"	44'	51,335	44,880	49,746	43,291	
9		33'1"	47'8"	56,929	50,474	55,340	48,885	
10		36'9"	51'4"	62,523	56,068	60,934	54,479	
11		40'5"	55'	68,117	61,662	66,528	60,073	
12		44'1"	58'8"	73,711	67,256	72,122	65,667	

Sukup Manufacturing Co. provides this information to assist you in choosing the optimal equipment for your situation. Many factors, such as grain variety, maturity levels, cleanliness of the grain, various weather conditions, etc., can affect the performance of agricultural equipment and your results may vary. Thus, this information is not a guarantee of product specifications or performance. Based on these factors, Sukup specifications should only be used as estimates, and not as a warranty, express or implied, of how a particular Sukup unit will perform under your operating conditions. Because we are continuously improving Sukup products, changes may occur that may not be reflected in the specifications.

Max capacities are based on ASAE Standard S413.1 - bins with no plenum and grain peaked at 28° angle of repose with 6% compaction.

Plenum height calculated at 12.5°.

- Figures shown in black apply to all Sukup Farm Bins.
- Figures in green apply only to Sukup Stiffened Farm Bins.





Stiffened Farm and



Standing Strong: Sukup Farm Stiffeners

Sukup farm bin stiffeners have up to a 42,000 lb. effective load capacity. Our extra-strong stiffeners are made from high-strength steel, which is formed into a specifically-engineered shape that maximizes the strength of the steel. The end result is a stiffener that will stand straight and strong for many years – and bushels – to come.



We've Got It Covered: Base Stiffeners

Sukup base stiffeners cover the bottom two wall sheets and extend above the horizontal seam of the sheets for better support and structural integrity. Standard stiffeners are 88" to cover two sheets. Sukup Stiffened Bins are available with bolt-on base angle only.

Economical Strength: Sukup Stiffened Farm Bins

Sukup Stiffened Farm Bins are an economical grain storage alternative. Adding stiffeners to a bin allows the use of lighter gauge sidewall sheets without sacrificing structural strength, thereby, making a stiffened bin more economical. Stiffened bins also provide excellent structural stability against grain, wind and seismic loads. In addition, stiffeners transfer roof loads directly to the foundation, resulting in less stress on the sidewall sheets. And, Sukup Stiffened Bins are the strongest available.

Sukup Stiffened Farm Bins Available Sizes				
Diameter	# of Rings	Eave Ht.	Peak Ht.	Max. Cap.
15' - 48'	3 - 12	11'1" - 44'1"	15'5" - 58'8"	2941-73,711 Bu.

Sukup offers a full line of bins to meet the needs of virtually any grain operation. The chart below may be used as a selection tool. Of course, your local Sukup dealer is your best resource for developing the ideal system to meet your needs.

Strength on Top:

Extra-Strong Bin Roofs

Stiffened Farm Bins feature our standard farm roof. Our 5000 lb. farm roofs are capable of carrying a 40 lb/ft² ground snow load and can withstand up to 90 mph wind gust speeds. 8000 lb. roof available as an option on 48' bins.



Big Operations Require Big Bins: Sukup Commercial Bins

Sukup also manufactures a full line of commercial bins to meet the requirements of larger farm operations and elevators. Sukup Commercial Bins are available with 15,000 or 30,000 lb. Roofs.



Bin Type	Application						
	Dry Storage	Drying	Stirring Machine	Dryeration/ Cooling	Aeration	Wet Holding/ Working	Side Draw
Farm	✓	Limited	Limited	✓	✓	⊘	⊘
Heavy-Gauge Drying	✓	✓	✓	✓	✓	✓	⊘
Stiffened	✓	Limited	Limited	✓	✓	⊘	⊘
Stiffened Heavy-Gauge Drying	✓	✓	✓	✓	✓	✓	⊘
Hopper	✓	⊘	⊘	⊘	✓	Limited*	⊘
Commercial	✓	⊘	⊘	⊘	✓	Limited*	✓

✓ - Designed for this application. ⊘ - NOT designed for this application. Limited - Limited by size of bin. *Std. hopper and commercial bins are NOT designed as wet holding/working bins. A wet holding/working commercial bin requires a special quote.

Commercial Bins

Commercial Bin Sizes

Dia.	Peak Heights Avail.	Max. Capacities Available (Bu.)	Standard Roof Peak Load (Lbs.)	Optional Roof Peak Load (Lbs.)
42'	45'11" - 100'11"	42,969 - 107,213	5000	15,000 or 30,000
48'	47'8" - 102'8"	56,929 - 140,840	5000	15,000 or 30,000
54'	49'8" - 104'8"	73,000 - 179,272	15,000	30,000
60'	51'6" - 106'6"	91,473 - 225,585	15,000	30,000
72'	54'8" - 109'8"	135,353 - 324,153	30,000	15,000
75'	55'7" - 110'7"	147,852 - 352,713	30,000	15,000
78'	56'6" - 111'6"	160,982 - 382,560	30,000	15,000
90'	60'3" - 115'3"	219,999 - 514,999	30,000	15,000
105'	64'8" - 119'8"	309,096 - 710,624	30,000	-

Eave Heights available: 9-24 rings, 33'1" - 88'1".



54' & 60' Diameter Commercial Roof: 15,000 lb. Load

Sukup 15,000 lb. roofs are designed to carry a 40 lb/ft² ground snow load and can withstand up to 90 mph wind gust speeds.



Our 15,000 lb. roof has a similar external roof sheet structure as our standard roof, but has the added support of C-shaped inner rafters and purlins.

Added Safety: Roof Rings Standard

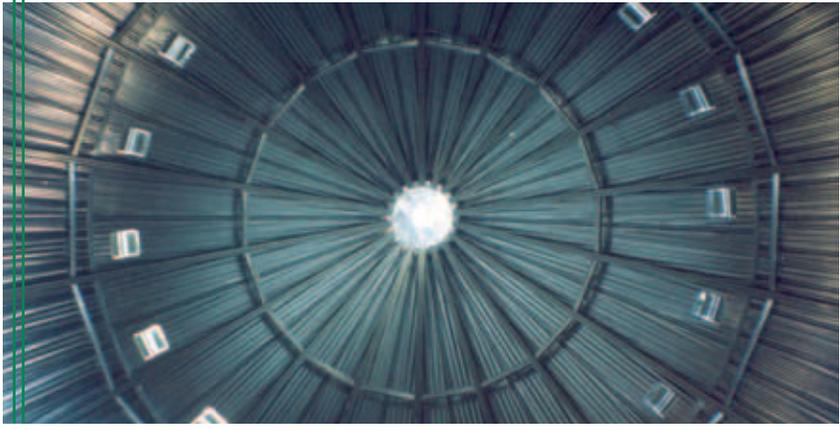
Roof rings are standard on all Sukup commercial roofs for added safety during construction and maintenance. The number of rings varies depending upon bin diameter.

Keeping It Together: Sukup Bolt Patterns

The bolt patterns and sizes on Sukup commercial bins vary by bin diameter and are engineered to maximize the strength of the connection and form the strongest bond. All bolts are JS 500 coated, SAE Grade 8.2.



30,000 lb. Peak Load



30,000 lb. Peak Ring Load: Sukup Commercial Bin Roofs

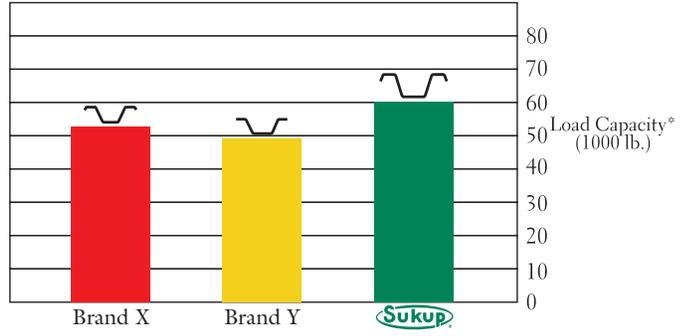
Sukup's commercial bin roofs have a 30,000 lb. peak ring load rating. Most competing brands have only a 10,000 lb. load rating. Sukup commercial roofs are designed to withstand 40 lb/ft² ground snow load and 90 mph gust wind speeds.

The strength of the 30,000 lb. Sukup roof comes from double C-shaped channels forming I-beam rafters with C-shaped purlins. All rafters and purlins are manufactured from 65,000 psi steel with the most-advanced roll-forming equipment in the industry. Rafters and purlins on bins up to 90' are single length pieces.

Sukup vs. the Competition: Commercial Stiffeners

Not all stiffeners are designed alike, and not all stiffeners perform alike. Sukup commercial stiffeners are made from 65,000 PSI tensile strength steel. Our computer-engineered shape was developed specifically to make them the strongest on the market. Our 60,000 lb. effective load capacity tells us we've succeeded in meeting our objective; and, the chart* at right shows it.

*Effective load carrying capacities of the stiffeners were calculated based on American Iron and Steel Institute (AISI) Cold-Formed Steel Standards with 8 ga. ASTM A653 Grade 50 steel.





Hopper Bottom Bin



The Most Advanced Dryers Available: Sukup Grain Dryers

Sukup Grain Dryers are the most advanced dryers available, providing you with easy, efficient drying and top quality grain. Other dryers are hard to operate and hard on the grain. Sukup Grain Dryers were designed specifically to solve those problems.

- Sukup Dryers produce better quality grain thanks to the patented Quad Metering Roll System on all Sukup Dryers and the patented Grain Cross-Over™ System on Stacked Dryers.
- Quad Metering Rolls move the grain closest to the heat through the dryer more quickly to prevent overdrying of these inner layers.
- The Grain Cross-Over™ on Sukup Stacked Dryers moves the grain from one side of the dryer to the other to off-set the effects of weather on the drying process.
- Sukup's QuadraTouch™ controls walk you through start-up and general operation on an easy-to-navigate touch screen display.
- Advanced self-diagnostics not only describe any problems, but also provide you with correction options.



Stronger by Design: Sukup Hopper Bottom Bins

The designs of both Sukup Medium-Duty and Heavy-Duty Hopper Bottom Bins are among the strongest in the industry, with wide corrugations, extra-strong stiffeners, and heavy-gauge hopper panels.

The tank portion of our hopper bottom units features the same quality sidewall construction as standard Sukup Bins, as well as the same extra-strong roof. Our 44" door is available as an option on heavy-duty hopper bins.



The 45° hopper is made of heavy-gauge, galvanized steel for strength and durability and features round bolt heads and an inner apron.

Sukup uses round-head bolts throughout the hopper portion to prevent grain from getting hung-up and bridging.

Clear It Out: 16" Unload Outlet

Sukup Hopper Bottom Bins are designed to hold free-flowing grains up to 52 lb./ft³, with an unload rate of 9000 bu/hr.

A rack and pinion roller slide gate is standard on the large, 16" dia. unload outlet to make it easier to open and close the hopper. Nearly 3 ft. of ground clearance allows plenty of room for an auger take-up.



Sukup Medium-Duty Hopper Bottom Bins

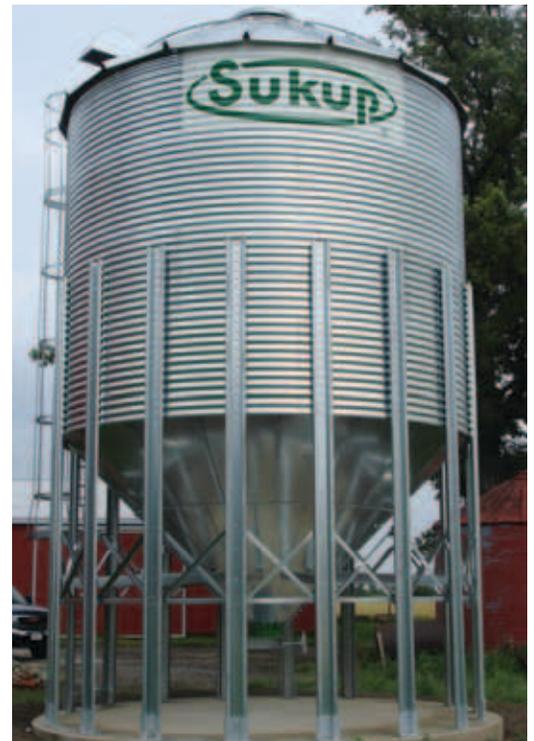
- 15' - 21' Diameter, 3 - 6 rings.
- Ideal for use as a wet holding tank to feed your Sukup Grain Dryer.
- May be used to store cool, dry grain for an extended period of time.

Sukup Medium-Duty Hopper Bins feature legs formed in our extra-strong stiffener profile.

The legs extend to the bottom two rings, providing additional support for the sidewalls. 15' and 18' diameter bins have three legs per sidewall sheet, while 21' diameter bins have four legs per sidewall sheet.

Angle-shaped leg cross bracing and C-shaped leg-to-hopper bracing provide solid support for the hopper bins. The cross bracing is located high on the legs to allow for easy access to the hopper outlet.

The sheets for the hopper portion of Sukup Medium-Duty Bins attach directly to the sidewall sheets, so there is no ledge or lip to trap grain. The sheets are galvanized steel and are bolted together.



Sukup Heavy-Duty Hopper Bottom Bins

- May be mounted on overhead super structures for loading of semis or train cars.
- May be used as a working bin.
- Can be used to store cool, dry grain for an extended period of time.



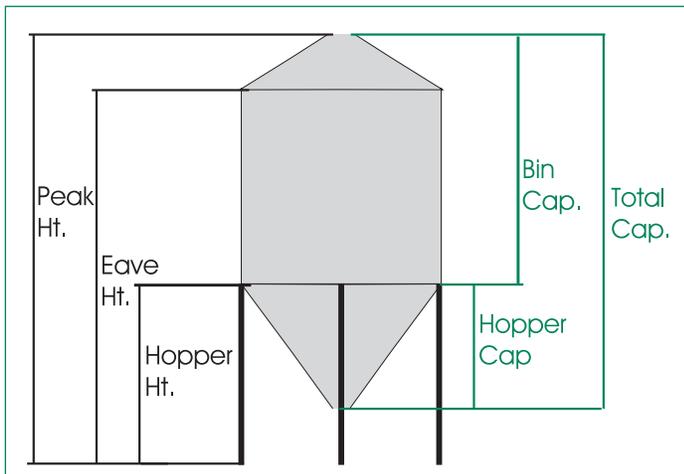
The Right Base for Your Heavy-Duty Hopper Bin.

The base for your Sukup Heavy-Duty Hopper Bottom Bin is tailored to the size of the bin and the load capacity required. All base configurations start with 70,000 psi tensile strength steel wide flange legs. The wide flange (I-Beam) construction makes the legs extra-strong and stable, and L-shape cross-bracing between the legs adds even more stability.



Exclusive Inner Apron Lets Grain Flow

Sukup Hopper Bottom Bins feature hopper ring flashing that covers the ledge where the tank and bottom cone join. This flashing prevents grain from accumulating on the ledge and allows grain to flow freely into the hopper.



Hopper Bottom Bins

Dia.	# of Rings	Hopper Ht.	Eave Ht.	Peak Ht.	Hopper Cap.	Bin Cap.	Total Capacity		
							Bushels	Tons	
15'	3	9'7"	20'8"	25'	376 Bu.	1848 Bu.	2224	70	
	4	9'7"	24'4"	28'7"	376	2395	2771	88	
	5	9'7"	28'	32'3"	376	2941	3317	105	
	6	9'7"	31'8"	35'11"	376	3487	3863	122	
	7	9'7"	35'4"	39'7"	376	4033	4409	140	
	8	9'7"	39'	43'3"	376	4580	4956	157	
	9	9'7"	42'8"	46'11"	376	5126	5502	174	
	10	9'7"	46'4"	50'7"	376	5672	6048	191	
	11	9'7"	50'	54'3"	376	6219	6595	209	
	12	9'7"	53'8"	57'11"	376	6765	7141	226	
	18'	3	11'2"	22'3"	27'8"	650	2718	3368	107
		4	11'2"	25'11"	31'4"	650	3505	4155	131
5		11'2"	29'7"	35'	650	4292	4942	156	
6		11'2"	33'3"	38'8"	650	5078	5728	181	
7		11'2"	36'11"	42'4"	650	5865	6515	206	
8		11'2"	40'7"	46'	650	6652	7302	231	
9		11'2"	44'3"	49'8"	650	7438	8088	256	
10		11'2"	47'11"	53'4"	650	8225	8875	281	
11		11'2"	51'7"	57'	650	9012	9662	306	
12		11'2"	55'3"	60'8"	650	9798	10,448	331	
21'		3	12'9"	23'10"	30'1"	1033	3777	4810	152
		4	12'9"	27'6"	33'9"	1033	4848	5881	186
	5	12'9"	31'2"	37'5"	1033	5919	6952	220	
	6	12'9"	34'10"	41'1"	1033	6989	8022	254	
	7	12'9"	38'6"	44'9"	1033	8060	9093	288	
	8	12'9"	42'2"	48'5"	1033	9131	10,164	322	
	9	12'9"	45'10"	52'1"	1033	10,202	11,235	356	
	10	12'9"	49'6"	55'9"	1033	11,272	12,305	389	
	11	12'9"	53'2"	59'5"	1033	12,343	13,376	423	
	12	12'9"	56'10"	63'1"	1033	13,414	14,447	457	
	24'	3	14'5"	25'6"	32'9"	1542	5034	6576	208
		4	14'5"	29'2"	36'5"	1542	6433	7975	252
5		14'5"	32'10"	40'1"	1542	7831	9373	297	
6		14'5"	36'6"	43'9"	1542	9230	10,772	341	
7		14'5"	40'2"	47'5"	1542	10,628	12,170	385	
8		14'5"	43'10"	51'1"	1542	12,027	13,569	429	
9		14'5"	47'6"	54'9"	1542	13,425	14,967	474	
10		14'5"	51'2"	58'5"	1542	14,824	16,366	518	
11		14'5"	54'10"	62'1"	1542	16,222	17,764	562	
12		14'5"	58'6"	65'9"	1542	17,621	19,163	606	
27'		3	15'11"	27'	35'	2195	6499	8694	275
		4	15'11"	30'8"	38'8"	2195	8269	10,464	331
	5	15'11"	34'4"	42'4"	2195	10,039	12,234	387	
	6	15'11"	38'	46'	2195	11,809	14,004	443	
	7	15'11"	41'8"	49'8"	2195	13,579	15,774	499	
	8	15'11"	45'4"	53'4"	2195	15,349	17,544	555	
	9	15'11"	49'	57'	2195	17,119	19,314	611	
	10	15'11"	52'8"	60'8"	2195	18,889	21,084	667	
	11	15'11"	56'4"	64'4"	2195	20,659	22,854	723	
	12	15'11"	60'	68'	2195	22,429	24,624	779	
	30'	3	17'3"	28'4"	37'4"	3011	8181	11,192	354
		4	17'3"	32'	41'	3011	10,366	13,377	423
5		17'3"	35'8"	44'8"	3011	12,552	15,563	493	
6		17'3"	39'4"	48'4"	3011	14,737	17,748	562	
7		17'3"	43'	52'	3011	16,922	19,933	631	
8		17'3"	46'8"	55'8"	3011	19,107	22,118	700	
9		17'3"	50'4"	59'4"	3011	21,292	24,303	769	
10		17'3"	54'	63'	3011	23,477	26,488	838	
11		17'3"	57'8"	66'8"	3011	25,663	28,674	907	
12		17'3"	61'4"	70'4"	3011	27,848	30,859	977	

Bin capacities and weights are calculated based on ASAE S.413.1 Standard with 6% grain compaction. Figures in green apply only to Sukup Heavy-Duty Hopper Bins.



A Family Company

Sukup Manufacturing Company has come a long way from its start in a welding shop in 1963. The company now has over 450,000 square feet of manufacturing space filled with the most advanced metal fabricating equipment. This equipment is used to manufacture a full line of equipment for in-bin drying and storage, in addition to dryers and farm and commercial grain bins. The company continues to grow using the same innovative spirit that was its start over 45 years ago.

One thing that hasn't changed, though, is the personal component that comes from dealing with a family-owned company. We know what it's like to be a part of a family business and we work hard to help make your family successful.

Over 30% of Sukup employees have been with the company for more than 10 years. That adds up to centuries of experience you won't find with other grain handling equipment manufacturers.

Being a family-owned company with many long-term employees allows Sukup Manufacturing to continue their dedication to their customers and providing them the best quality products and the best value for the money.



Sukup Axial and Centrifugal Fans and Heaters supply your grain with the highest airflow and efficient heat, resulting in faster drying and lower fuel costs.

Sukup Fans are also ideal for aerating your grain.



A Fastir™ Stirring Machine further increases drying speed and eliminates overdried grain. A simple, dependable mechanical reversing switch makes the Fastir™ the most trouble-free stirring machine sold.



The Sukup Sweepway™ Power Sweep Bin Unloading System unloads your grain quickly and is safer, since all controls are located outside the bin, so there's no reason to enter the bin.



Sukup Hawk Cut™ Bin Floors and Z-Post or Super Supports provide a solid base for your grain. Sukup Hawk Cut™ floors are extra-strong since no steel is removed while creating the open areas in the planks.



Sukup headquarters in Sheffield, Iowa USA. Over 450,000 square feet of manufacturing space.



Sukup Manufacturing Co. ■ www.sukup.com

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