

Sukup® Grain Bins





After looking at bins from the inside out for nearly 40 years, Sukup made the 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 solutions - Sukup Manufacturing Co.



Leading the Industry



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



US Patent # 7,654,048

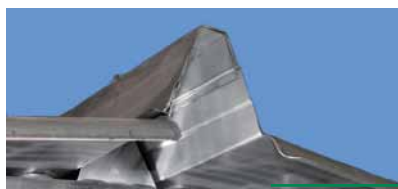
Extra-Strong Farm Roof - 5000 lb.

Sukup has designed our 15' - 48' diameter bins with a peak load rating of 5000 lbs, evenly distributed on peak ring as pure vertical peak load with uniformly distributed roof snow load calculated from 40 psf ground snow zone or 90 mph wind zone as defined by ASCE7-05 Code. An optional 8000 lb. roof is available on 42' and 48' bins.



The strength of Sukup roofs starts with high-strength steel. Each roof sheet is then 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.
- 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 technological-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. The final step in the process is adding a coating of oil to help 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.

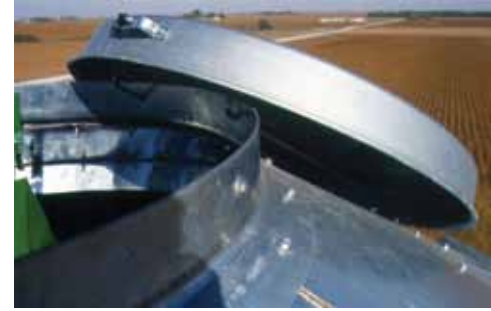


y with Innovative Ideas

Opening Innovations: Extra-Large, Extra-Strong Fill Hole

The fill hole on Sukup Bins is an extra-large 38", providing approximately 8ft² of air exhaust area.

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



Fines and water won't collect in lid!



Sukup Exclusive

Man-Sized Access: Larger Manhole

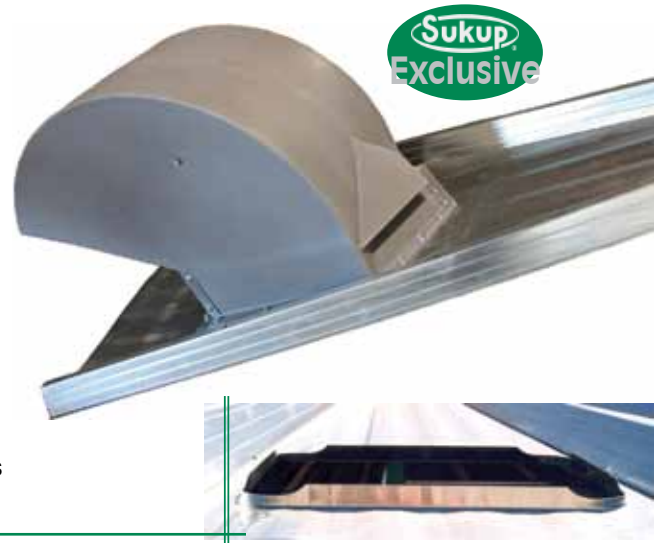
Sukup designed our bins roofs with the largest manhole in the industry - an oval opening that measures 20" x 35.5" - making it a comfortable fit for most operators

- Allows 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 fines.

Proper Ventilation: Sukup Roof Vents

True to our mission to provide the greatest value for your money, Sukup has developed a roof vent that not only does the job of releasing moisture from the bin, but it also protects the bin roof.

- Sukup's exclusive (patent pending) 18" poly vents are virtually indestructible.
- Debris deflectors prevent dirt, fines and other trash from collecting behind the vent.
- 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.



Sukup Exclusive

Powerful Support:

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.
- Optional continuous eave clips are available for even greater strength.
- Optional continuous eave vent provides the same strength as our regular continuous eave clip, but with the added benefit of additional open area, reducing the number of roof vents required.

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.
- Serrations grip the roof surface and prevent the nut from working loose.



The Strength You Need; Quality

Rolled Flange or Base Angle

- Most Sukup Bins are available as either a rolled flange bottom sheet or bolt-on 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.



- The Sukup anchor bracket is 22" high to extend above the plenum area, so it serves as a short stiffener.
 - Extending the bracket reduces the stresses caused by vertical loads on the sidewall sheets at the bottom ring.
 - Patented design allows them to be reversed for use with either bolt-on base angle or rolled flange.
 - Two-piece, channel-shape, L-bracket transfers vertical load directly to the concrete foundation, preventing damage to the bracket and/or bottom bin sheet.
- The exclusive bracket also prevents vertical and horizontal movement of the bottom sidewall sheets.

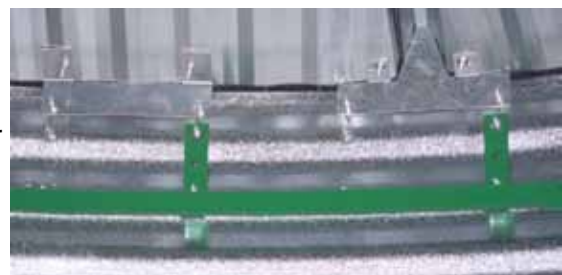


You can have your transition openings pre-cut for your Sukup Fans at a nominal charge.

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.
- 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).



The Little Things Matter...A Lot

Sukup's dedication to quality doesn't stop with the "big things". We obsess over the little things, like bolts, too.

- All bolts on a Sukup Grain Bin are SAE Grade 8.2 (the highest standard in the industry) with JS500 plating.
- Polyethylene seals are used on the bolts that join the sidewall sheets to form a weather-tight bond.

- All vertical seams are bolted in the peak and valley. 5/16" flange nuts increase the connection strength and form a tighter seal.
- The charts below show the differences between bolts used by Sukup (in green) and those used by competitors.

| Bolt Grade | Proof Load (psi) | Yield Strength (psi) | Tensile Strength (psi) |
|-------------|------------------|----------------------|------------------------|
| 8.2 (Sukup) | 120,000 | 130,000 | 150,000 |
| 5 | 85,000 | 92,000 | 120,000 |
| 2 | 55,000 | 57,000 | 74,000 |



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

ity You Can Count On

Strong and Versatile: Sukup Bin Door

Sukup offers two bin door designs - a 66" door and a 44" door for bins with 8 rings or more. Check with your dealer for details on which doors are available on your Sukup Bin.

- Both doors are made of heavy-gauge, galvanized steel and are factory-assembled for a good fit and seal.
- The top and bottom latches on the outer door are connected for one-hand operation.
- Sukup Bin doors feature a reversible hinge that allows the door to open to the left or right, whichever works best for your system.



On the Inside: Inner Bin Door

Sukup has designed a truly convenient inner bin door.

- There are no tie-bars to contend with.
- Door hinges are 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™ latches (patent pending) ensure easy opening of the doors.
- Hinge adjustments allow you to maintain a good inner door seal.



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 does not 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.



At the Top: Sukup Roof Rungs and Ladders

- All Sukup Bins are equipped with eave-to-peak roof ladder rungs.
- 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.
- Handrails are continuous and rungs 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.





Drying Bins



The Leader in the Field

Sukup has been the leader in fans and heaters for grain drying for decades. Why? Because Sukup Fans are #1 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™ features fast, safe unloading. The Sweepway™ is permanently installed in the bin and all controls are located outside, 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 nearly fifty years, Sukup has been making grain drying more efficient and profitable. We have the equipment to do the job, and do it right, including bins designed for the stresses on in-bin drying.

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

Sukup Heavy Gauge Drying Bins are available in 5 and 6 rings high, stiffened or non-stiffened. 7 rings available stiffened only.

| # of Rings | Eave Ht. | Available Diameter |
|------------|----------|--------------------|
| 5 | 18'5" | 15'-48' |
| 6 | 22'1" | 15'-48' |
| 7 | 25'9" | 15'-48' |

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 bin.

Avoid the center of the bin.

Wear proper breathing equipment or respirator.

Follow all applicable safety regulations.

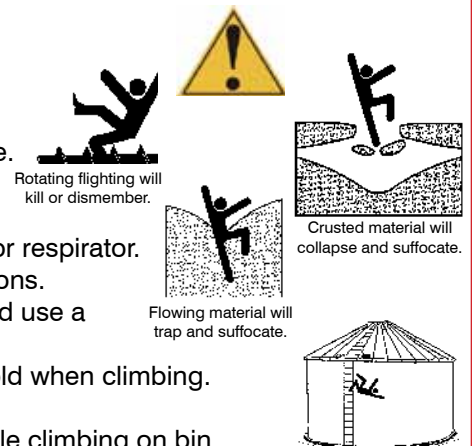
Purchase ladder and safety cages and use a safety harness.

Maintain a 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 warnings may result in serious injury or death.



Bin Specifications

| Dia. | Rings | Eave Ht. | Peak Ht. | Max. Cap. Bu. | Level Cap. Bu. | Max. Cap. w/ plenum | Level Cap. w/ plenum |
|------|-------|----------|----------|---------------|----------------|---------------------|----------------------|
| 15' | 3 | 11'1" | 15'4" | 1848 | 1651 | 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" | 19'14" | 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 Ht. | Peak Ht. | Max. Cap. Bu. | Level Cap. Bu. | Max. Cap. w/ plenum | Level Cap. w/ plenum |
|------|-------|----------|----------|---------------|----------------|---------------------|----------------------|
| 33' | 3 | 11'1" | 21'8" | 10,090 | 7992 | 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 our results may vary. Thus, this information is not a guarantee of product specifications or performance. Based on these factors, Sukup specifications should be used only 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 ASABE 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 shown in green apply only to Sukup Stiffened Farm Bins.



Stiffened Farm and Commercial

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 higher gauge sidewall sheets without sacrificing structural strength, thereby, making a stiffened bin more economical.

- Provide excellent structural stability

against grain, wind and seismic loads.

- Stiffeners transfer roof loads directly to the foundation, resulting in less stress on the sidewall sheets.
- Sukup Stiffened Bins are the strongest available.
- Available with bolt-on base angle only.

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.

| 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.



Standing Strong: Sukup Farm Stiffeners

Sukup farm stiffeners have up to a 42,000 lb. effective load capacity.

- Extra-strong stiffeners are made from high-strength steel formed into a specifically-engineered shape to maximize the strength of the steel. The end result is a stiffener that will stand straight and strong for many years - and bushels - to come.
- The top stiffener is tapered to fit under the bin roof.



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.



Strength on Top: Extra-Strong Bin Roofs

Stiffened Farm Bins feature our standard farm roof. 15' - 48' standard roof peak load rating is 5000 lbs., evenly distributed on peak ring as pure vertical peak load with uniformly distributed roof snow load calculated from 40 psf ground snow zone or 90 mph wind zone as defined by ASCE7-05 Code. 8000 lb. roof is available as an option on 42' and 48' bins.



ial Bins

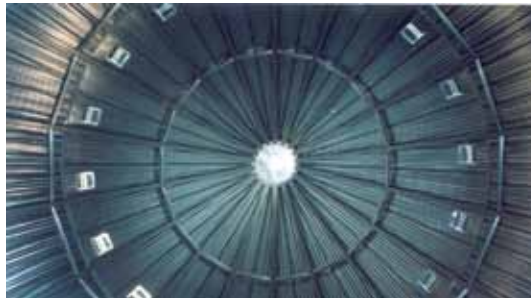
| Commercial Bin Sizes | | | | |
|----------------------|---------------------|---------------------------------|--------------------------------|--------------------------------|
| Dia. | Peak Heights Avail. | Max. Capacities Available (Bu.) | Standard Roof Peak Load (Lbs.) | Optional Roof Peak Load (Lbs.) |
| 42' | 45'11" - 100'11" | 42,969 - 107,213 | 5000 | 8,000; 15,000 or 30,000 |
| 48' | 47'8" - 102'8" | 56,929 - 140,840 | 8000 | 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 or 50,000 |
| 105' | 64'8" - 119'8" | 309,096 - 710,624 | 30,000 | 50,000 |
| 135' | 70'11" - 125'11" | 542,868 - 1,202,618 | 50,000 | - |



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

Sukup 15,000 lb. roofs are designed to carry a pure vertical peak load with uniformly distributed roof snow load calculated from 40 psf ground snow zone or 90 mph wind zone as defined by ASCE7-05 Code.

- 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 Ring Load: Sukup Commercial Bin Roofs

Sukup's commercial bin roofs have a 30,000 lb. peak ring load rating, with an optional 50,000 lb. rating for 90' and 105' bins. Most competing brands max out at a 25,000 lb. load rating. Sukup commercial roofs are rated based on pure vertical peak load with uniformly distributed roof snow load calculated from 40 psf ground snow zone or 90 mph wind zone as defined by ASCE7-05 Code.

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 70,000 psi steel on the most advanced equipment in the industry. Rafters and purlins on bins up to 90' are single length pieces.

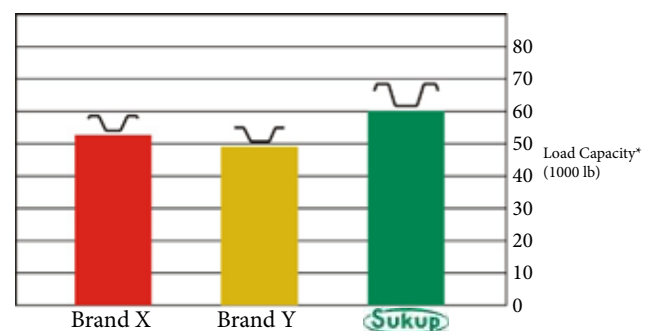


Sukup vs. the Competition: Commercial Stiffeners

Not all stiffeners are designed alike, and not all stiffeners perform alike.

- Sukup commercial stiffeners are made from 70,000 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 that we've succeeded in meeting our objective and the chart at right proves 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 Bins

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 lbs/ft³, with an unload rate of 9000 bu/hr.

- A rack and pinion roller slide gate is standard on the large, 16" dia. unloading outlet to make it easier to open and close the hopper. (Optional chain wheel is available on Heavy-Duty Hopper Bins when mounted on an overhead structure.)
- Nearly 3 ft. of grain clearance allows plenty of room for an auger take-up.



Sukup Medium-Duty Hopper Bottom Bins

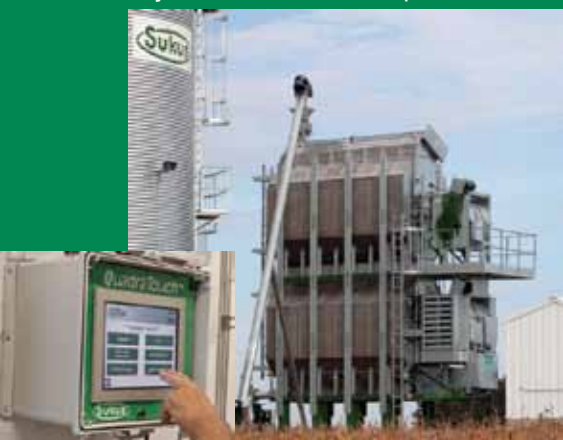
- **15' - 21' diameter, 3 - 6 rings.**
- **Ideal for use as a wet holding tank to feed your Sukup Grain Dryer.**
- **May be used to store cool, dry grain for an extended period of time.**
- Sukup Medium-Duty Hopper Bins feature legs formed in our extra-strong stiffener profile. The legs extend to the bottom two rings, providing additional support for the sidewalls. 15' and 18' diameter bins have three legs per sidewall sheet. 21' diameter bins have four legs per sidewall sheet.
- Angle-shaped leg cross bracing and C-shaped leg-to-hopper bracing provide solid support. Cross bracing is located high on the legs to allow for easy access to the hopper outlet.
- 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. Sheets are galvanized and bolt together.



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.



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.



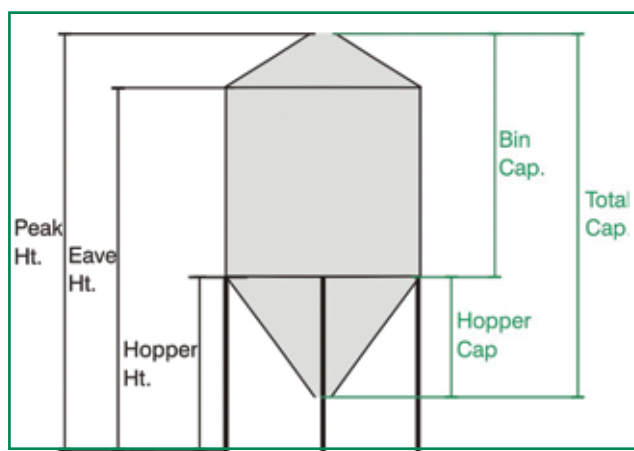
The Right Base for Your Heavy-Duty Hopper Bin

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-shaped 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 Bin Specifications

| 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" | 59' | 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 | 23,478 | 26,489 | 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 |
| 36' | 3 | 20' | 31'1" | 42'2" | 5203 | 12,235 | 17,438 | 521 |
| | 4 | 20' | 34'9" | 45'10" | 5203 | 15,381 | 20,584 | 615 |
| | 5 | 20' | 38'5" | 49'6" | 5203 | 18,528 | 23,731 | 709 |
| | 6 | 20' | 42'1" | 53'2" | 5203 | 21,675 | 26,878 | 802 |
| | 7 | 20' | 45'9" | 56'10" | 5203 | 24,822 | 30,025 | 896 |
| | 8 | 20' | 49'5" | 60'6" | 5203 | 27,968 | 33,171 | 990 |
| | 9 | 20' | 53'1" | 64'2" | 5203 | 31,115 | 36,318 | 1084 |
| | 10 | 20' | 56'9" | 67'10" | 5203 | 34,262 | 39,465 | 1178 |
| | 11 | 20' | 60'5" | 71'6" | 5203 | 37,408 | 42,611 | 1272 |
| | 12 | 20' | 64'1" | 75'2" | 5203 | 40,555 | 45,758 | 1366 |

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



A Family Company

Sukup Manufacturing Co. has come a long way from its start in a welding shop in 1963. The company now has over 550,000 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 nearly 50 years ago.



No matter how much the company grows, there's one thing that stays the same - the personal touch 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.



Nearly 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 Co. to continue our dedication to our customers and providing you 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 ideal for aerating 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, meaning 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 550,000 square feet of manufacturing space.



Sukup Manufacturing Co ■ www.sukup.com

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