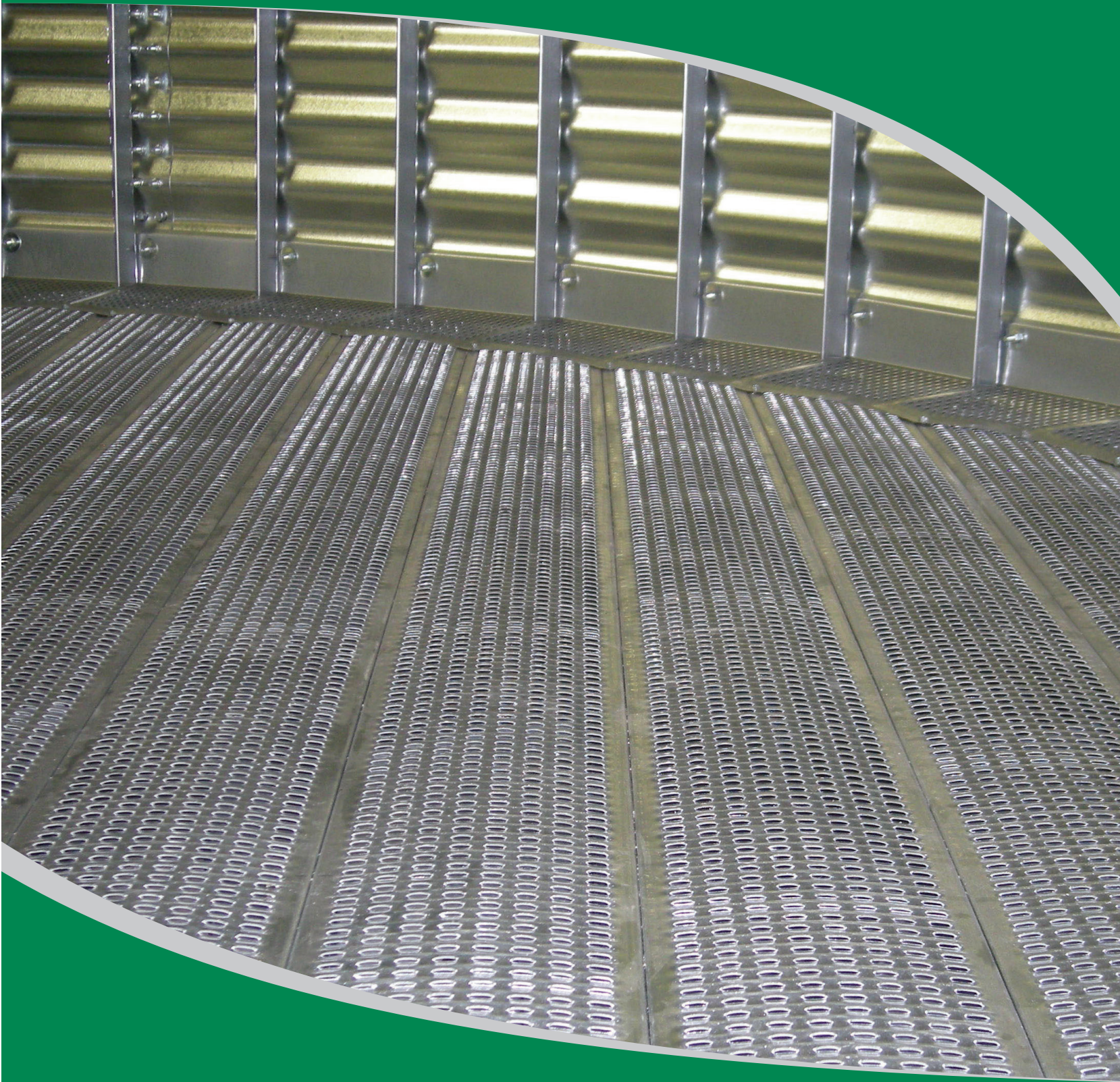




# Bin Floors



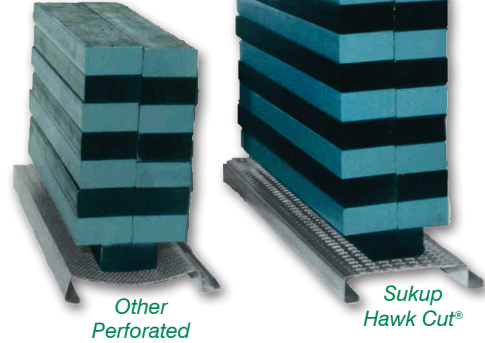
*HAWK CUT<sup>®</sup>, PERFORATED, & CORRUGATED FLOORING*

# Sukup **BIN FLOORS**

## **HAWK CUT® – TWICE AS STRONG**

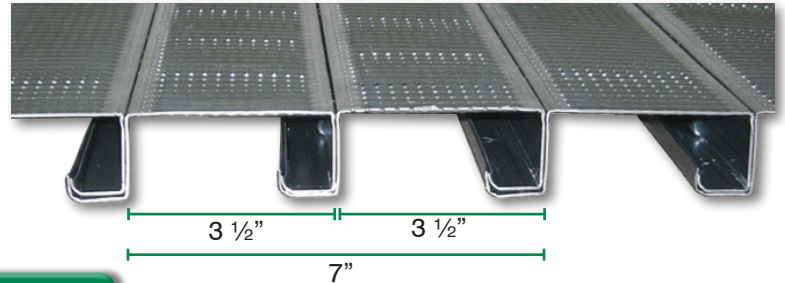
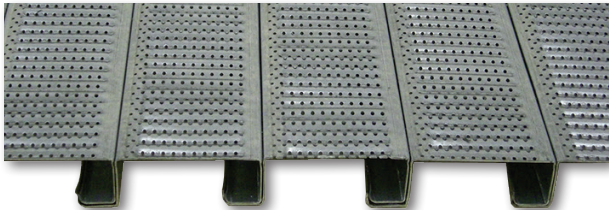
From corn to milo, Sukup Hawk Cut® floors are suitable for almost any size grain. Our unique process doesn't remove any steel in forming the large open area in the plank. Openings are created in the sloped sides of the corrugation, instead of the top or bottom ridge, which would weaken the planks. Combined with the high arch of the corrugation, this allows Hawk Cut® planks to support up to twice the weight of other smooth floors and resist cupping. The most popular Sukup flooring option, Hawk Cut® planks are smoother and easier to sweep than conventional chisel-cut floors. Hawk Cut® planks feature the Sukup Channel-Lok™ design with sturdy J-shaped interlocking sides. Each plank is made of high-strength, galvanized steel and is cut to length with computerized accuracy.

Sukup Hawk Cut® Floors stand above the rest.



## **HEAVY-DUTY PERFORATED – FOR DEEPER GRAIN DEPTHS**

Sukup Heavy-Duty Perforated Planks were designed for those situations where perforated floors are preferred, but greater grain depths are desired. Sukup Heavy-Duty Perforated Floor planks have weight-bearing support every 3½", so they are able to withstand deeper grain depths. The 3½" sections are crimped together to form 7" planks, making them quick and easy to install. Heavy-Duty Perforated Floors are available in 0.094" or 0.05" diameter holes.



## **PERFORATED – THE PERFECT PERFORATION**

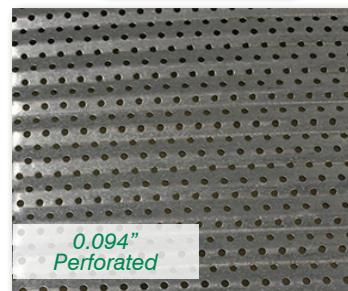
Sukup's clear-punched holes provide ample open area for maximum airflow and smooth perforations form an ideal surface for easy sweeping and clean up. Perforated flooring is available in 20 gauge or 18 gauge planks. 20 gauge planks are for use in bins with lower grain depths.

### **TWO PERFORATION SIZES**

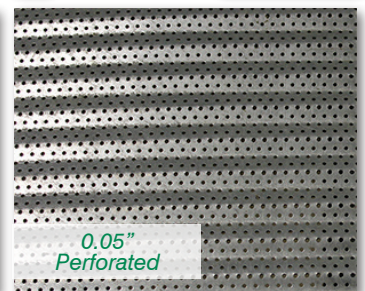
Channel-Lok™ Perforated plank is available with either the standard 0.094" diameter holes or 0.05" diameter holes, which is ideal for canola and other very small grains. All Sukup perforated floors feature the Sukup Channel-Lok™ design for easy installation.

### **FULLY CORRUGATED FOR STRENGTH**

The corrugation on Sukup planks extends completely across the width of each plank for greater strength than many other perforated floors. This gives up to 80% more strength than floors where the corrugation stops short. Sukup perforated floors are also crowned for added strength.



0.094"  
Perforated



0.05"  
Perforated

# FLOOR SUPPORTS

## DESIGNED USES FOR SUKUP FLOORS & SUPPORTS

	HAWK CUT®	PERFORATED	HEAVY-DUTY PERFORATED
Z-Post	x	x	
Super Supports™	x	x	
Flat Top Super Supports™			x
SuperWave® Supports	x	x	x

Several options of Sukup Supports are available. To select the proper support to match your Sukup Bin Floor, refer to the chart above.

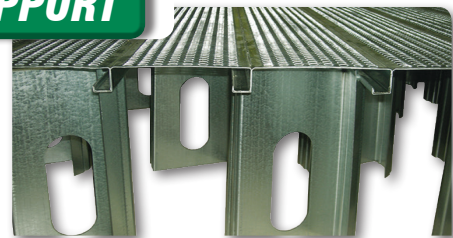
## SUPERWAVE® SUPPORTS – SHEET METAL SUPPORT

The Sukup SuperWave® Support is a sheet metal support designed to be used with 3½” or 7” floor planks of any style. They are ideal for Sukup’s Heavy-Duty Perforated flooring, but also are a great match for Sukup Hawk Cut® or regular perforated planks. The “wave” shape of this support creates more surface area to support the floor planks, while at the same time making the support more stable than other sheet metal supports. Flanges in the top portion of the Sukup SuperWave® Support fit under the crowned area of the floor plank at a 45° angle, providing support for the planks over a larger surface area. Sukup SuperWave® Supports are 20 gauge and available in 13¼” height. Factory tests show a SuperWave® is at least 1.5 times stronger than a Super Support™.



## Z-POST FLOOR SUPPORTS – PRECISION-ENGINEERED SUPPORT

University tests show that the most popular Sukup supports, the Z-Post Floor Supports, are 40-65% stronger than U-Shaped floor supports\*. Rock solid Z-Posts are reinforced by numerous corrugations and strengthened by Z-shaped bends. The exclusive “Z” shape gives 60% more inches of load bearing support than typical U-shaped posts. The diagonal portion of the Z-Post provides additional support across the center of the floor plank for extra strength, which is required for taller bins.



### GREATER STABILITY

The Sukup Z-Post covers a larger area, giving a wider, more solid base. Notched sides and the self-tightening spring action lock the supports in place, so they don’t move around under the weight of the grain.

### MORE UNIFORM AIRFLOW

The Sukup Z-Post offers the largest air opening of any post support on the market. The design of the Sukup Z-Post also helps to distribute drying air more evenly throughout the plenum area. Sukup Z-Post supports are available in 5¼”, 13¼”, 15⅞”, 17”, and 18½” overall heights.

*\*Information based on independent university tests conducted in 1996.*



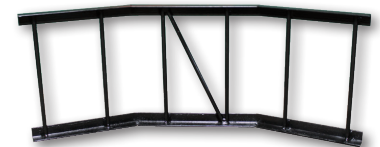
Notches on Sukup Z-Post Supports lock the supports in place, making installation a snap and forming a more stable base.

## SUPER SUPPORTS™

Fast and easy to install, this style of floor support from Sukup really is “super”. The welded-rod frame of Sukup Super Supports™ lets air flow freely throughout the bin plenum area and the open design provides much better heat distribution, which makes for more efficient drying. The unique angle iron base provides stability. Sukup Super Supports™ can be used with most Sukup bin floors and provide excellent airflow, easy installation, and an extra strong design. They are available in 5¼”, 13¼”, 15⅞” and 17” heights. Painted finish shown at right is optional.



Super Supports™



Flat Top Super Supports™

### FLAT TOP SUPER SUPPORTS™

Flat Top Super Supports™ are designed for use with Heavy-Duty Perforated floors. They install quickly and provide solid support. They are available in 13¼” and 15⅞”.

## BRIDGING SUPPORT

Sukup offers a bridging system that bridges the gap between floor supports caused by an unload auger; providing enhanced support for your bin floor. The solid steel construction and welded legs provide a sturdy, long-lasting support and the simple design makes installation a breeze.



# SUKUP FLASHING – HEAVIEST ON THE MARKET

Sukup flashing gives 10” of coverage from the bin wall. The width allows the flashing to fit easily around even smaller diameter bins. It’s also the heaviest flashing on the market—20 gauge. Sukup flashing is available in Slim Cut, .094” perforated, and .050” perforated. Hi-back or Low-back is available for various floor supports. Sukup Slim Cut flashing is also available pre-punched for Sukup Airways®.

## Flush Floor Aeration

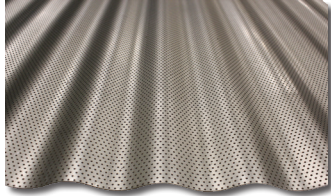
### Commercial Aeration Alternative

Sukup’s Channel-Lok™ Flooring (Hawk Cut®, Perforated, or Heavy-Duty Perforated) and supports install easily over concrete tunnels for an efficient, low-cost aeration alternative.

## Corrugated Flooring

### Tunnel Aeration Alternative

Sukup offers a simple, corrugated flooring option for tunnel aeration.



Corrugated galvanized steel sheets (44” L x 88” W with one corrugation overlap) are available solid or perforated. Installed over Flat Top Super Supports™, this flooring offers quick, simple tunnel aeration.



Hi-back

Low-back



Perforated Flashing

## Square Pad System

### Better Air Distribution

Sukup square pad systems constructed with Sukup Channel-Lok™ flooring offer improved air distribution and more airflow than aeration ducts.



**Important:** Consult Sukup specifications for number and gauge of supports required at particular grain depths. Proper installation according to Sukup instructions on smooth, level concrete is essential. Sukup Manufacturing Co. floors carry a limited one-year warranty. Grain pressure can and may cause any floor to cup, especially in deeper grain depths (taller bins). Cupping does not constitute a structural floor failure under the Sukup limited warranty. Limited warranty is valid only when concrete is level and flooring is installed to Sukup Manufacturing Co. specifications. Refer to complete limited warranty for details.



Photo credit to David Bohrer of NAM



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Sukup Manufacturing Co. provides the information contained within this brochure to assist you in choosing the optimal equipment for your situation. Sukup specifications should only be used as estimates, and not as a warranty, expressed or implied, of how a particular Sukup unit will perform under your varying operating conditions. Because we are continually improving Sukup products, changes may occur that may not be reflected in the specifications.



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