

Crippen

Mfg. Company

Century 688 2+4

Serial No. _____

Parts & Instruction Manual

Crippen Manufacturing Company

400 Woodside Drive St. Louis, MI 48880

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Introduction

Welcome ...

You have made a wise and prudent purchasing decision. We are committed to making this a profitable decision and are looking forward to providing the type of service, dedication and cooperation you deserve. Our commitment to you is unwavering and your input is invaluable. We realize there are numerous applications, operational learning curves, installation limitations, and other potential problems we have not encountered; therefore, please feel free to call us **any time** because a successful operation is a team effort and we thank you for allowing Crippen Manufacturing Company to be part of your team.

Should you encounter any difficulties, please contact your local sales representative or Crippen Manufacturing Company immediately. This is **very important!** Continued operation when there is a problem could result in damage to other components.

Please take the time to read this "Installation Guide & Operator's Manual" to insure that your equipment is installed and operated in the proper manner. When this unit is installed and operated properly, it will provide years of trouble free and profitable service.

For your future reference and to expedite any parts or guarantee work with your machine, the model number, serial number, and date of shipment have been included below. Please fill in the numbers below to match the information that appears on the machine nameplate.

MODEL NUMBER	
SERIAL NUMBER	
DATE OF SHIPMENT	

Warranty

Crippen Manufacturing Company will replace free of charge, within one year from date of shipment, any part which in its judgement has failed because of defective material or workmanship, providing the part has been shown to have been properly installed and operated. This warranty does not obligate Crippen to bear any transportation charges concerning the replacement of defective parts or the return of defective parts.

This warranty shall not apply to any part which shall have been repaired, altered, neglected or used in any way which, in Crippen's opinion, adversely affects performance; nor to replacement of normal service items.

This warranty and Crippen's obligation hereunder, is in lieu of all other warranties, expressed, implied or statutory.

Notice to Our Customers

Our equipment is inspected, tested, and packed before leaving our facilities in perfect condition.

When the equipment is received, it must be inspected by your staff for completeness and damage. If any discrepancies exist, a claim must be filed with the carrier. A carrier's inspection report must accompany any claims. This is a matter the customer should take up with the carrier who delivered the goods even if hidden damage is discovered later. The customer needs to verify damage further by photograph, after which the carrier's insurance company can authorize repair or replacement.

Without written authorization, we cannot accept any goods for return.

Contact our factory if you have a claim or if you require a "Return Goods Authorization".

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It is also important that you carefully check to make sure damage did not occur in shipment. Any damage must be reported on the bill of lading/shipping document at the time of unloading.

Important Notice!

Road transportation of this equipment from the factory to your location may have loosened the set screws and bolts.

Before running the equipment, check all set screws, bolts, bearing collars, and bushings to ensure they are all tight.

Re-check this hardware periodically as part of the regular maintenance.

Installing the Century 688 2+4 Seed Cleaner

Frame Assembly

The machine is shipped as two separate units, which must be assembled. Identify the top and bottom units. There are connector plates and bolts provided to fasten the corners and center vertical frame members together.

Connecting Air Flues and Fan Controls

There are two air flues with settling chambers in this machine. Each air flue is connected to a fan and is the part of the machine where the lighter foreign material (FM) is separated from the good seed. When the two units are being assembled, you must carefully connect the air flues together. Screws are provided for this.

There are several controls to connect. All three fans have an independent control. Each fan is connected to an air flue and the control hand crank is located near air flue spouts referred to as "upper air" and "lower air". Details of the eccentric variable speed control are given in the section on connecting drives. There is an extension to the control rod which must be connected in the same manner as the fan controls.

Connecting Drives / Installing Motor & Guards

There are three drives to connect at assembly: motor shaft to fan shaft, eccentric shaft to eccentric shaft, and countershaft to eccentric shaft. If your machine was supplied with a motor, have it connected by a qualified electrician following local and national codes. On machines supplied less the motor, an adjustable motor base and drive sheave has been provided for a standard 20 HP, 256T base electric motor.. Bolt the motor in place on the adjustable motor base and slide the sheave onto the motor shaft, using the square drive key provided with the motor. Align this sheave with the existing driven sheave on the fan shaft and fasten securely. Install the V-belts provided and adjust the motor base for proper belt tension.

The eccentric to eccentric drive has a timing belt for two pulleys plus an idler. Important! The purpose of the timing drive is to shake the top and bottom shoes together in the same direction and opposite the direction of the middle shoe. This helps to reduce any vibration in the machine. To correctly time the shoes, put the keyways on the eccentric shafts that drive the top and bottom shoes in the 12 o'clock, or straight up, position. Put the keyway that drives the middle shoe in the 6 o'clock, or straight down, position. Hold them in that position as you install the timing belt on the pulleys. The excellent wear capability of the timing belt leads to a close center distance design and makes an idler unnecessary in some locations.

The adjustment idler for the countershaft to eccentric drive is on the top unit. The idler pulley goes on the inside of the drive and pulls down on the belt. This adjustable idler provides the control for the variable speed eccentric drive. After completing the machine

assembly, this adjustable control can be changed so the eccentric shafts will operate from 285 to 325 RPM.

Bolting the Frame in Place

The machine frame must be set level and securely bolted to the floor or its support stand. After bolting in place, check again to see that the frame is level both front-to-rear and side-to-side. If needed, shim under one or more corners of the frame. Vibration caused by improper leveling will create undue stress resulting in early failure of some parts. During operation, if there is any excessive vibration or movement of the floor or machine support stand, additional supports and bracing must be installed under the floor or to the stand.

Clearance for Changing the Screens

When installing the machine, allow room at the front where the screens are changed to remove the 44" long screen sections.

Clearance around Spouts & Cleaned Product Discharge

It is important that no spouting, chutes, or conveyors are attached directly to the discharge spouts. These spouts move back and forth a total of one-inch (1") as the machine is running. Clearance must be provided so there is room for these spouts to move freely. The hinged door on the airlifting spouts must swing freely. Failure to follow these instructions will result in excessive noise and vibration and may cause serious damage to the machine.

Garner Bin above Hopper

If you build a bin above the machine hopper, it must be supported so that the hopper does not carry its weight. It is permissible to add a short vertical extension, however. This extension should be no higher than 8" and may not have flared or tapered sides. It may be fastened directly to the hopper if, when it is full of seed, it does not add more than 60-lbs. weight. Important! Be sure to provide a safety guard at the hopper inlet to prevent the operator from coming in contact with the hopper agitator.

Initial Start-Up Procedure

- 1. Check motor rotation. A directional arrow is on the hopper feedroll shaft to show proper shaft rotation. All shafts of the standard machine rotate counterclockwise when facing the left side. Remember: the front of the machine is where the screens are changed. If the motor is rotating opposite this, change the wiring connections as required.
- 2. The machine is usually shipped with ball trays, balls, screens, and tailgate in place. The tailgate fastens to the front of the top shoe and contains the spouts for screens #1 and #2. If these parts are shipped separately, install them now. The ball trays are each labeled on the front and slide into position on the angle iron screen tracks on each side of the shoe. Place four balls in each section of the ball tray and slide the screens over the top of the ball trays. Two ½" x 1½" wooden guides are provided for this. Slide the guides in

between the screen and ball tray on each side. This prevents the screen from catching on the balls as it slides into the machine. On each side of the screens is a screen clamp that holds the screen in place. Lock the screen clamps onto the screens pulling the pistol grip over the front end of the screens. Fasten the tailgate securely in place.

- 3. Be sure all guards are in place! Turn the machine on. The eccentric shafts should run from 285 to 325 RPM. If you are unable to reach these speeds, turn the machine off and move the set collars on the eccentric drive adjustable idler as needed. Refer to drawing #90007A14 for proper placement of the adjustable idler assembly. Turn the machine back on and run it at its maximum speed of 325 RPM.
- 4. Watch the machine run. The shoes should shake smoothly back and forth in line with the length of the machine. If there is any side-to-side or circular motion, additional supports, bracing, or shims are required as described above. All spouting and chutes added to take the various products away from the machine must clear the moving parts.

The machine is now ready to run your product

Operating the Century 688 2+4 Seed Cleaner

Changing the Screens

Installing the screens is described in the installation section. The screens are changed from the front end of the machine. To remove the screens, take the tailboards off and pull the screen clamp pistol grip off the end of the screen. A **J**-shaped tool is provided for this. Push the screen clamp toward the rear, releasing the screen. Slide the wooden guides between the screen and ball tray. The screen will now slide out of the machine. A long hook is provided to remove the rear sections. To put the screens into the machine, follow the reverse of the above instructions. **Caution!** Never turn the machine on with the ball trays and balls in the machine without screens on top of them! If this happens, the balls will come out of the machine.

For choosing the correct hole size in the screen to be used, please refer to the recommended screen size lists. It is suggested that you get a number of hand test screens in the most common sizes you will be using to also aid in choosing screens. These hand test screens and a convenient cabinet to hold them are available from Crippen Manufacturing Company.

Multi-screen Flow Configurations (refer to flow diagram)

There are many different ways the machine can be set up to clean and/or size seed.

Note: the screens are referred to by their position. Screen #1 is the first screen at the top, followed by screens #2, #3, #4, #5, and #6 with #6 being the last one at the bottom.

Screen #1 is a *scalper* screen in all flows. The "Century" feature of this model allows screens #3 and #5 can either *scalp* or *sift* the product. "Scalping" is done with a screen that has a hole size larger than the product, therefore the product falls through the screen. Large material, such as pods or straw, stay on top of the scalping screen and is discharged at the low end of the screen. "Sifting" is done with a screen that has a hole size smaller than the product, therefore the product stays on top of the screen. Small material, such as fine weed seeds and inert materials, falls through the sifting screen and is discharged out the side spout under the screen at the low end.

Top Shoe for Configuration

As mentioned above, screen #1 is always a *scalping* screen and has a permanent flow divider at the high end. Screens #1 and #2 are always *parallel scalp*, with the same size perforation in both positions.

Middle Shoe for Configuration

There is one gate in the middle shoe at the low end of screen #3. The two-piece pan between the screens is removable, while the pan under screen #4 is permanent. There is a 16" space at the high end of both screens for a blank pan (no open areas) or flow divider (open areas with trough), depending on how the flow is setup.

Scalp/sift. Use a blank pan at the high end of screen #3 and another at the high of screen #4. Open the gate above the spout at the low end of screen #3 for the scalpings. Remove the two-piece pan from between the screens. The product going over screen #4 will discharge out the rear of the middle shoe and be diverted into the bottom air flue. The screenings will discharge out the spout at the low end of screen #4.

Parallel sift. Use a flow divider at the high end of screen #3 and a blank pan at the high of screen #4. Close the gate above the spout at the low end of screen #3 for the siftings. Install the two-piece pan from between the screens. The product going over screens #3 and #4 will discharge out the rear of the middle shoe and be diverted into the bottom air flue. The screenings will discharge out the spout at the low end of screen #4.

Bottom Shoe for Configuration

The bottom shoe can be set in the exact manner as the middle shoe. Note that both the blank pan and the flow divider for screen #5 have a spreader pan to receive product from the transfer chute at the front of the machine.

Hopper Feed Control (Standard Type "A" Hopper)

The inlet hopper for the machine is located at the high end of screen #1 and has two controls. The control hand crank, which is located on the side of the hopper and extends to the front of the machine, regulates the amount of product coming into the machine by changing the position of the feed gate. The feed gate is located above the feedroll, with a slanting ledge across the full-width of the hopper. Raising it increases the rate of feed. An arrow shows the direction to turn the control to increase the flow. The feedroll in a type "A" hopper rotates counterclockwise when facing the left side of the machine. This carries the product over the feedroll. The other control, located at the front of the machine in the center, operates the cleanout gate under the feedroll. When you have finished running the machine, this gate is lowered to clean any remaining product out of the hopper. Return the cleanout gate to its closed position before operating the machine. The cleanout gate may also be used to increase the rate of flow when the feed gate is in the full open position and more input volume is required.

Hopper Agitator

This machine is equipped with a hopper agitator. The agitator is located in the hopper and has rotating fingers that comb through the inferior material in the product being cleaned. This allows the bulky trash to flow through the hopper and onto a screen without bridging over and plugging up the hopper. **Caution!** Be sure the safety guard is in place above the hopper before operating the machine! Never reach inside the hopper while the machine is running! If you must reach inside the hopper for any reason, turn the power off and follow standard safety procedures!

Optional Electronic Feed Control

Machines with the electronic feed control on the hopper are equipped with an SCR controller, TEFC DC motor, and a gear reducer. By turning the knob on the controller, the speed of the feedroll is changed to increase or decrease the flow of product into the machine. The instructions above for the feed gate and cleanout gate still apply, but changing the speed of the feedroll is the primary control to increase or decrease the rate of feed with this option.

Optional Type "C" Hopper

The type "C" hopper is for cleaning rough, bulky products such as grass seed and includes the electronic feed control. It differs from the standard type "A" hopper. The feedroll rotates clockwise when facing the left side of the machine. This pulls the bulky product under the feedroll. The cleanout gate may be opened slightly as required to increase the flow. However, changing the speed of the feedroll is the primary control to increase or decrease the rate of feed with the type "C" hopper. A gate with a stiff rubber seal replaces the standard feed gate above the feedroll. This gate is kept in the lowered position with the seal in contact with the feedroll to prevent product from leaking over the top.

A separate constant speed gear motor drives the mixer and agitator. The mixer is in the top of the hopper directly under the inlet. It has paddles that mix the product back and forth to prevent it from bridging over and plugging up the hopper. The paddles on each end next to the hopper side should push the product toward the center. The agitator is down inside the hopper just above the feedroll. It operates same as the standard agitator described above. The mixer and agitator shafts rotate clockwise when facing the left side of the machine.

Fan / Air Controls

There are three independently controlled fans on this machine. Each fan has a control with a hand crank to change the amount of air being drawn into the air flues. The fan closest to the front of the machine is for the upper air; the fan towards the rear of the machine on the right hand side is for the middle air; and the fan on the left is for the lower air. Turning the hand crank, located next to the airlifting spouts, changes the air volume. These spouts have a hinged discharge door that must swing freely. They are labeled "upper air lifting" and "lower air lifting". An air bleeder door is located on top of the machine for the upper air and middle air and at the rear for the lower air. By bleeding air in, it is possible to open the fan more, providing a higher air velocity in the air discharge pipes while maintaining the desired air separation. There are two adjustable vertical metal aprons, one for the middle air and one for the lower air, that are across the full width of the machine. Four bolts hold them in position. Sliding these aprons inward reduces the opening size where the air is drawn into the machine. This increases the air velocity without changing the fan discharge. There are adjustable air seal gates above the full-width chutes where the product discharges into the middle and lower air. They should be kept as low as possible, just above the flow of seed or grain. This gate prevents air from rushing in over the top of the product. Refer to drawing #90004A14.

Do not make "big" changes all at once when adjusting the air. A half turn on the fan discharge hand crank is all that is required sometimes. Wait ten to fifteen seconds after

making an adjustment to take a sample at the airlifting spout. This allows the material being lifted time to make its way from the high end of the spout to the discharge door. Increase the air until you find a little of the good product in the sample, then decrease it slightly.

Adjustable Speed Screen Shake

The speed that the screen shakes back and forth may be changed to obtain the best screening action on all kinds of seed and grain products. Changing the speed of the eccentric shaft does this. Speed range is 285 to 325 RPM. Faster speeds give a more lively action to move the product down the screen quickly. If a more gentle action is required, the speed is slowed down.

The speed is changed through a variable speed drive from the countershaft to the eccentric shaft. A spring-loaded variable speed pulley is located on the countershaft. There is an adjustable idler on the bottom unit for this drive. The drive itself is on the top unit. The idler pulley goes on the inside of the drive and pulls down on the belt. This adjustable idler provides the control for the variable speed eccentric drive. A hand crank on the adjustable idler changes its position that forces the belt to change the diameter of the spring-loaded pulley. This changes the speed of the eccentric shaft that shakes the shoe with the screens back and forth. An arrow indicates the correct direction to turn the hand crank. Refer to drawing #90007A14 for variable speed control arm assembly.

Drive Belt Tension

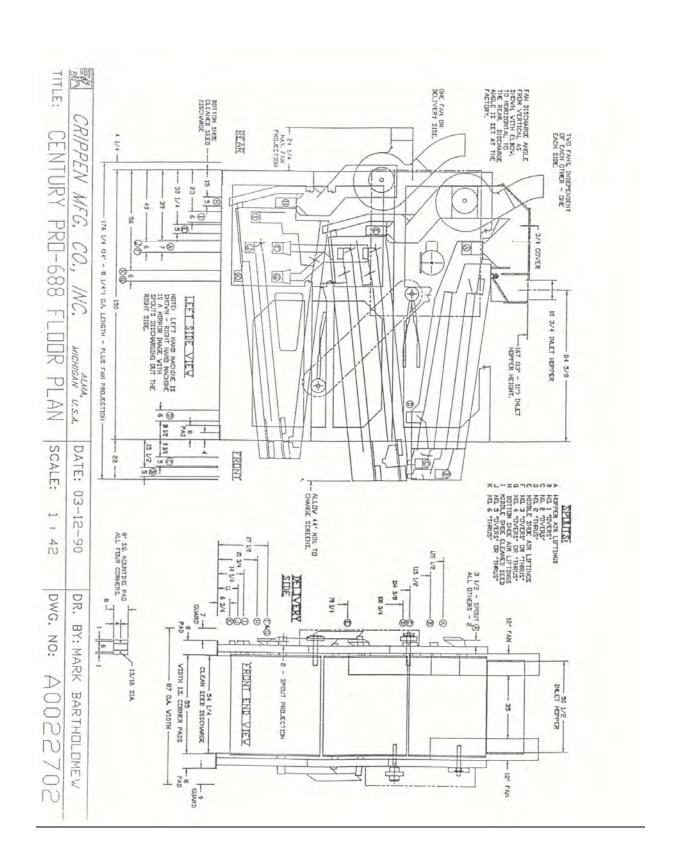
Use common maintenance practice to adjust the drives for proper belt tension. The motor has an adjustable base for this purpose. The adjustable screen shake, timing drive, fan to fan, and fan shaft to countershaft drives have individual adjustable idlers.

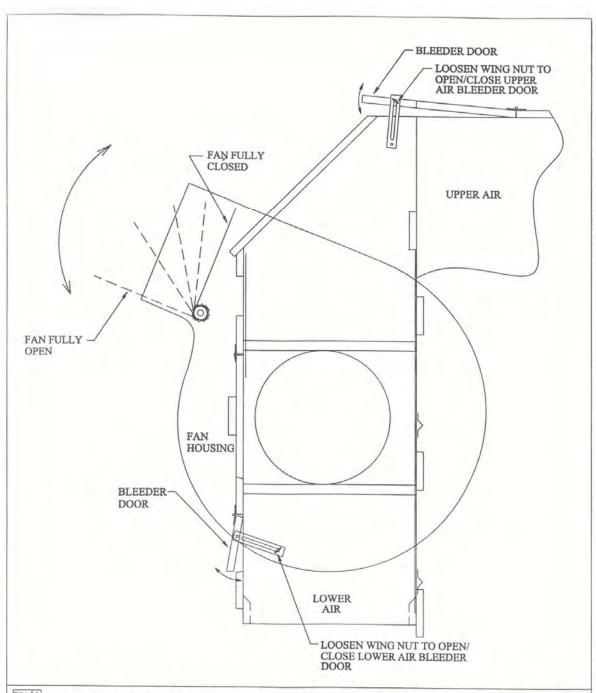
Applies only to machines shipped before December 1, 1997:

The fan shaft to countershaft and front fan shaft to rear fan shaft drives use a special link-belt to help absorb the shock created by the eccentric drives. After a short break-in period, remove an equal number of links from both belts to adjust for the required tension.

Chain Drives

The agitators on the standard type "A" hopper and all the shafts on the type "C" hopper are driven by #40 roller chain. Again, use common maintenance practice to adjust and lubricate these drives. In some applications, over-lubricating a chain drive will result in it collecting abrasive dust that causes it to wear out prematurely. A graphite-type lubricant may be required.









400 Woodside Drive St. Louis, Michigan 48880 Telephone: (517) 681-4323 Fax: (517) 681-3818

Email: crippenmfg@crippenmfg.com

MODEL:

DESCRIPTION: AIR BLEEDER DOOR ILLUSTRATION

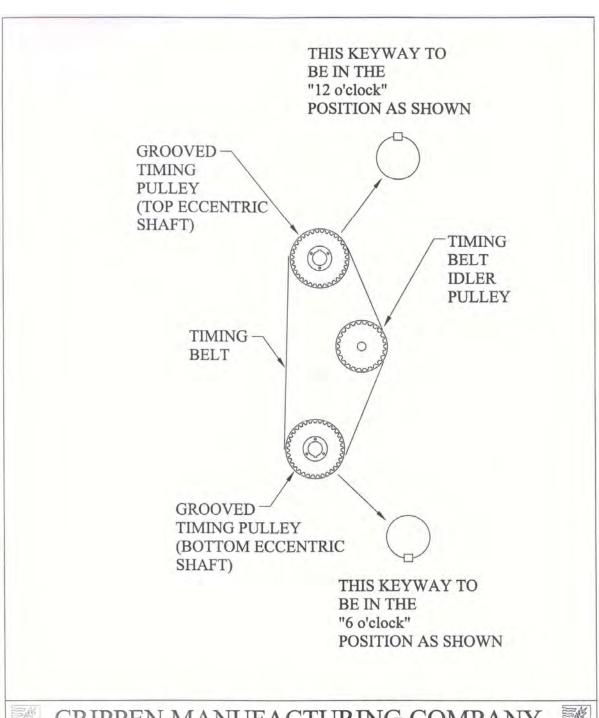
DRAWING NO

DATE:

DRAWN BY: J.S.

REVISION DATE:

REVISED BY:







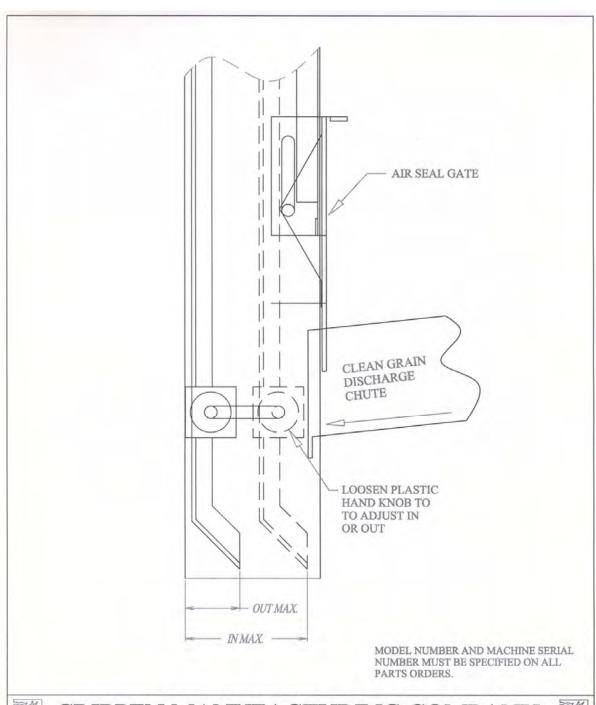
400 Woodside Drive St. Louis, Michigan 48880 Telephone: (517) 681-4323 Fax: (517) 681-3818

Email: crippenmfg@crippenmfg.com

MODEL: AIR SCREEN CLEANERS

DESCRIPTION: TIMING DRIVE ILLUSTRATION

DATE: 12/19/97 DRAWN BY: J.S. DRAWING NO.: 90008A14 REVISED BY: REVISION DATE:







400 Woodside Drive St. Louis, Michigan 48880 Telephone: (517) 681-4323 Fax: (517) 681-3818

Email: crippenmfg@crippenmfg.com

MODEL: AIR SCREEN CLEANERS

DESCRIPTION: LOWER AIR VELOCITY ADJUSTMENTS

DRAWING NO.: 90004A14 DATE: 12/18/97 DRAWN BY: J.S.

REVISION DATE: REVISED BY:

Dust Collection Recommendations

Static Pressure

Our standard fan is designed to work with a typical cyclone dust collector and piping with a total static pressure (on the positive side of our fan) of under 2 inches. As an option, we offer high static fans that can overcome up to 5 inches of resistance. For special considerations, at your site, or questions, please contact our factory personnel at the St. Louis address, noted on the machine brochure and table of contents page of this booklet.

Our fan outlet air remains constant so that we can be certain the airborne particles do not settle in the dust and are transported to the collector(s).

Pipe Size

Our recommended pipe sizes are as follows:

Number		Pipe Diameter Size	
of Fans	Fan(s) Output	(if combined)	
1	4,500 CFM	14 inches	
2	9,000 CFM	20 inches	
3	13,500 CFM	24 inches	CFM = cubic feet per minute

When planning a system, we calculate a line of velocity of 4,000 feet per minute to be certain the waste exhausted from the fan is conveyed through the piping system and all the way to the collector.

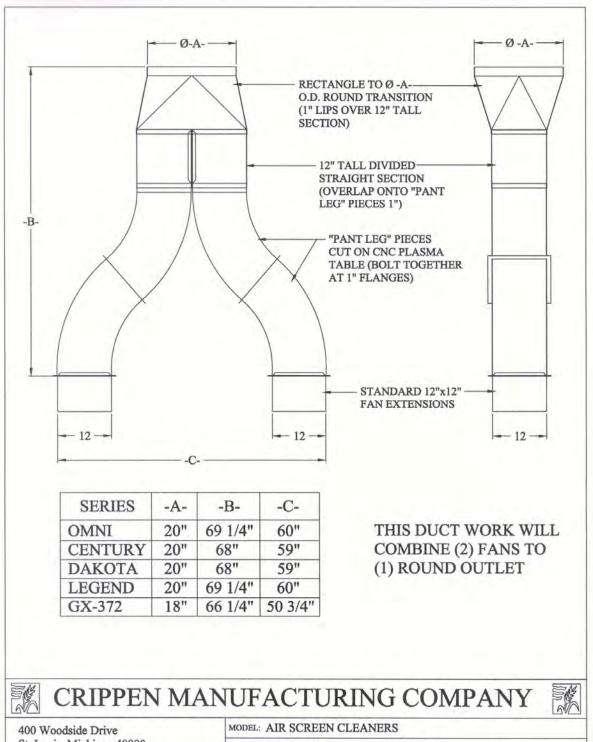
Note: Our calculations are based on an altitude of up to 1,500 feet above sea level. If your installation is at a higher altitude than this, please inform us so we can make a recommendation for increase power to accept the reduced air performance at your specific altitude.

Piping Suggestions

The fan outlet position(s) has been pre-set, at the factory at 45° from the horizontal, unless otherwise specified by the buyer at the time of the order. The rectangular fan outlet(s) is normally converted to round. The two fans' exhausts can be combined into one pipe by means of a set of "pants" that allows the two streams of airflow to merge without turbulence and can be acquired from our factory. Round, straight sections of piping should be made of 14 gauge (2 mm) thickness and wide sweep elbows, described in the "Wide Sweep Elbows" section, should be made of at least 10 gauge (3.5 mm) material for good wear characteristics.

Merging Dust Pipes

When two dust pipes are to be combined into one stream, it is critical that the airflow streams do not conflict, which can be achieved when using a typical transition resembling a pair or pants. Refer to drawing **#06539A14**.



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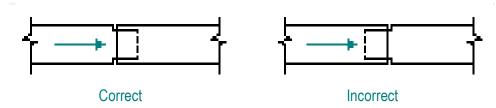
Email: crippenmfg@crippenmfg.com

DESCRIPTION: OPTIONAL FAN DUCTWORK

DRAWING NO.: 06539A14 DATE: 9/5/96 DRAWN BY: D.L.,
REVISION DATE: * REVISED BY: *

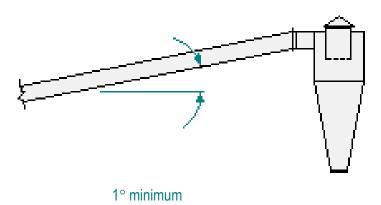
Piping Connections

To prevent unnecessary air pipe leakage and material buildup, where slip-joints are used, it is important to lap the connections in the directions of the airflow, as noted:



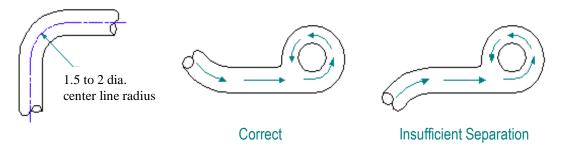
Piping Pitch

Piping should be sloped slightly uphill to the collector, rather than flat, to keep the bottom of the pipe clean, as illustrated:



Wide Sweep Elbows

To reduce excessive static pressure and velocity drops in the piping system, elbows should be constructed with a radius of 1.5 times the diameter of the pipe and piping should run in a consistent pattern to avoid turbulence, as indicated:



A well-designed dust collection system can allow for efficient separation of dust and exhaust air as well as maximize the performance of the cleaner. If you have any questions, please contact our personnel, before installation.

Maintenance

Like all equipment, Crippen cleaners will require periodic maintenance. We have designed our equipment with this in mind. Wear items are easily accessible and routine maintenance can be performed with little loss of production time.



Belts

Belts should be checked periodically for wear or cracks. If a belt begins to show signs of wear, a replacement should be ordered and kept in stock.

Variable Speed Sheaves

Variable speed sheaves should be adjusted through their entire range on a weekly basis; this keeps them clean and in good working order. The threaded rod mechanisms will also be cleaned as the sheaves are cycled. This will keep the parts moving freely and assures ease of later adjustments.

Bearings

All bearings are a premium grade sealed type. They are greased before installation, but will require prudent greasing over their working life. We have found that over-greasing causes more failures than under-greasing; therefore, we recommend that bearings be greased once a year or every 1000 hours of operation.

If you suspect a bearing is failing, listen for unusual noise (knocking) during operation and feel the bearing for excess heat buildup immediately after shutting down and locking out the start/stop station. If the bearing is abnormally hot, then replacement is recommended as soon as possible.

Bolts

Check that the bolts on the eccentric drive arms and shoe hanger straps are securely fastened on a semi-annual basis.

Note: Many of the above components are high wear items and will require periodic replacement. Other components generally will not require replacement unless they are subjected to above normal operating stress.

Safety



Before attempting to service or internally inspect the machine, lock out the start/stop station so that only the maintenance personnel have control of the machine.

Safety guards are provided with the machine to protect the operators and maintenance personnel from injury. Enclosures over belts, pulleys, and other moving parts should remain on the machine, unless service personnel are performing maintenance.

Lubrication Requirements

The main bearings on the machine are lubricated at the factory for the life of the bearing. However, it is permissible to add lubricant depending on how the machine is being used. Sodium-based greases are normally preferred for general purpose bearing lubrication. Excessive quantities of grease cause churning. This results in excessive temperatures and may cause a premature failure of the bearing.

The bearing housing should be kept approximately 9 to ½ full. Some bearing housing are supplied without a standard grease fitting to provide for re-lubrication.

A few other areas on the machine need regular attention. The various cranks, knobs, and other controls have a threaded part that should be kept oiled to keep them operating smoothly.

Re-lubrication intervals are very difficult to determine and vary greatly, depending on the machine's use and its environment. If plant practice or experience with similar applications is not available, consult your lubricant supplier.

Common maintenance practice must be followed to obtain the maximum life of any machine. There are many factors which affect the frequency of re-lubrication, such as a dusty environment and the length and frequency of machine use. Common practice in the seed and grain industries includes giving the main bearings on the machine a couple of pumps with a standard grease gun twice a year. Because of the wide range of machine applications, we are only able to give general instructions. Please consult with the Engineering Department at Crippen Manufacturing Company for any specific questions regarding operation and maintenance.

Preventative Maintenance Schedule

Daily

- Check for any audible or visible signs of rubbing or vibration that should not be present or that have not been observed previously
- Check the air valves and chambers for any obstructions

Weekly

- Check bearings after operation for heat buildup, seal leakage (greasing), and excessive movement or sloppiness
- Check bolts on the eccentric drive arms and shoe hanger straps
- Check bolts and chain tensions

Quarterly

- Check screens and collection pans for wear
- Check bearings for grease
- Lubricate the air control valve linkage
- Check motor amperage draw

Semi-Annual

- Check feed roll, contact plates, rubber balls, and all moving parts for wear
- Re-check parts inventory to be certain all essential components on hand for continuous operation

Parts Catalog

When ordering parts for Crippen cleaners, specify:

- ✓ Machine model number
- ✓ Serial number of machine
- ✓ Catalog number of part
- ✓ Part name
- ✓ Quantity



Pulley, Sheaves, Belting

When ordering a sheave (V-pulley) for a V-belt drive, send us the number on the sheave, as most sheaves are either stamped or embossed with a part number. Also, specify the exact outside diameter and size of the bore. To order a V-belt, specify the same number marked on the belt or specify for which drive the belt is used.

When ordering a pulley for flat belt drives, specify pulley outside diameter, width of face, and the bore.

To order flat belting, specify the belt width and length required.

Spouts, Pans

When order spouts, specify if the spout is at the end of a screen or in the pan immediately below the screen, screen location number in machine (highest screen is #1), and if spout delivers to *right* or *left* side of the machine.

For Model Century Pro 588-RH, Serial No. 65843-396



- (1) spout for end of screen #2
 - or -
- (1) spout in pan immediately below screen #3

When ordering a pan, specify overall width and length of the metal, machine model, and serial number.

Note: right or left hand is determined when standing at the front of the machine, facing the end where the screens are changed.

Screen Suggestions for Commercial & Seed Cleaning

Four screen cleaners

Column 1 – top screen, upper shoe

Column 2 – bottom screen, upper shoe

Column 3 – top screen, lower shoe

Column 4 – bottom screen, lower shoe

Three screen cleaners

Column 1 - top screen

Column 3 – middle screen

Column 4 – bottom screen

Two screen cleaners

Column 1 - top screen

Column 4 – bottom screen

2nd screen of NW models can be used for either *top* or *bottom* work, *scalp* or *sift*.

Commodity	Column 1 Scalp	Column 2 Sift	Column 3 Scalp	Column 4 Sift
Grass Seed	•		•	
Alkaligrass	¹ / ₁₈	50x50	22x22	45x45
Bahiagrass, Argentina	8	15x15	$^{1}/_{16}X^{1/2}$	¹ / ₁₃
Bahiagrass, common	9	12x12	$^{1}/_{14}X^{1}/_{4}$	¹ / ₁₅
Bahiagrass, Pensacola	6	17x17	$^{1}/_{18}X^{1/4}$	¹ / ₁₇
Bentgrass	26x26, 28x28	60x60	28x28, 32x32	60x60
Bermudagrass, unhulled	¹ / ₁₈	32x32	6x24	6x38
Bermudagrass, hulled	$^{1}/_{25}$	38x38	28x28, 32x32	6x42
Bluegrass, Kentucky, scalped	$^{1}/_{16}, ^{1}/_{18}$	6x42	$^{1}/_{18}$, 24x24	6x40
Bluegrass, Merion, scalped	$^{1}/_{15}, ^{1}/_{16}$	6x42	$^{1}/_{16}$, 20x20	6x40
Blue panic	¹ / ₁₉	28x28	17x17	6x34
Bromegrass, smooth	12, 10	6x24	$^{1}/_{13}$ x $^{1}/_{2}$	6x24, 10-tri
Buffalograss	18	8	17	$^{1}/_{16}X^{1}/_{2}$
Canarygrass, Reeds	¹ / ₁₂	6x24	$^{2}/_{64}x^{5}/_{16}$	¹ / ₁₆
Canarygrass, Moroccan	7	$^{1}/_{15}, ^{1}/_{14}$	$^{1}/_{14}X^{1/2}$	$^{1}/_{14}, ^{1}/_{13}$
Carpetgrass	¹ / ₁₃	32x32	6x22	6x40
Dallisgrass	8, 7	16x16	$7, \frac{3}{64}x^{5}/_{16}$	¹ / ₁₄
Fescue, Alta, Chowings, Ky.31, Meadow	$^{3}/_{64}x^{5}/_{16}$	6x32	$^{1}/_{22}x^{1/2}, 6$	6x32
Fescue, creeping red	$^{1}/_{22}X^{1}/_{2}$	6x32	$6, \frac{1}{24}x^{1/2}$	6x32
Guineagrass	$^{1}/_{12}$	6x30	$^{1}/_{18}X^{1/4}$	6x28
Harding grass	$^{1}/_{13}, ^{1}/_{14}$	6x30	$^{1}/_{22}X^{1}/_{2}$	6x26
Johnsongrass	8	$^{1}/_{17}, ^{1}/_{16}$	$^{1}/_{13}X^{1/2}$	$^{1}/_{16}$, $^{1}/_{22}$ X $^{1}/_{2}$
Lovegrass, Boer	$^{1}/_{25}$	60x60	30x30	50x50
Lovegrass, Lehman	¹ / ₂₀	40x40	$^{1}/_{25}$, 32x32	36x36
Lovegrass, Sand	$^{1}/_{20}$	32x32	$^{1}/_{23}, ^{1}/_{25}$	6x34
Lovegrass, Weeping	$^{1}/_{24}, ^{1}/_{25}$	50x50	$^{1}/_{25}$, 6x32	40x40, 6x40

Grass Seed (cont.) Section (cont.) Grass Seed (cont.) 6x32 1/22x1/2, 6 6x32 Redtop 28x28, 30x30 60x60, 6x60 30x30, 32x32 50x50 Redtop 28x28, 30x30 60x60, 6x60 30x30, 32x32 50x50 Redtop 28x28, 30x30 60x60, 6x60 30x30, 32x32 50x50 Rescuegrass 16, 12 1/12x1/2 1/12	Commodity	Column 1 Scalp	Column 2 Sift	Column 3 Scalp	Column 4 Sift
Orchardgrass 3/6145/16 6x32 1/12x1/2, 6 6x32 Redtop 28x28, 30x30 60x60, 6x60 30x30, 2x32 50x50 Redtop, Timothy 30x30 60x60, 6x60 6x34 50x50 Rescuegrass 16, 12 1/12x1/2 1/12x1/2 1/13x1/2 Rescuegrass 6 6x36 1/12 6x34 Ryegrass 3/64x5/16 6x32 1/12x1/2 x1/4 x19 6x32 Sand dropseed 1/2s 50x50 32x32, 6x36 45x45 Side oats grama 10 1/13 36x36 4x24 6x60 Sudangrass, Piper 10 1/13 5%6x34/1/12x1/2 1/20x1/2 Sudangrass, Sweet 11 1/12 18x18 1/14 6x22 Timothy 1/20 to 1/23 6x36 1/14 to 1/25, or 20x2 6x34 Wheatgrass, Blackwell 1/16x1/2 18x18 1/14 6x22 Timothy 1/16x1/2 6x32 6x30 1/14x1/2 6x31 Wheatgrass, Crested 1/16	Grass Seed (cont.)				
Redtop 28x28,30x30 60x60, 6x60 30x30, 2x32 50x50 Redtop, Timothy 30x30 60x60, 6x60 6x34 50x50 Rescugrass 16, 12 1/18x4 1/13x42 1/18x44, 9-tri, 1/18x44, 9-tri, 1/18x44, 9-tri, 1/18x44 Rhodesgrass 6 6x36 1/12 6x34 Ryegrass 3/6x5/16 6x32 1/12 6x32 Sand dropseed 1/2s 50x50 32x32, 6x36 45x45 Side oats grama 10 1/15 1/2x42 45x45 Sudangrass, Piper 10 1/13 5%6x34, 1/12x42 1/18x34 Sudangrass, Sueet 11 1/12 18x18 1/14 6x22 Switchgrass, Blackwell 1/12 18x18 1/14 6x32 1/14x44 6x32 Wheatgrass, Crested 1/16x42 6x32 6x36 1/210 1/2s, or 6x34 Wheatgrass, Intermediate 1/16x44 6x32 6x34 1/14x44 1/14x44 Barley, plump 9 1/13x44 1/14x44 <td< td=""><td>` '</td><td>$^{3}/_{64}x^{5}/_{16}$</td><td>6x32</td><td>$^{1}/_{22}x^{1}/_{2}$, 6</td><td>6x32</td></td<>	` '	$^{3}/_{64}x^{5}/_{16}$	6x32	$^{1}/_{22}x^{1}/_{2}$, 6	6x32
Redtop, Timothy 30x30 60x60, 6x60 6x34 50x50 Rescuegrass 16, 12 1/18x44 1/13x42 1/18x46, 9-tri, Rhodesgrass 6 6x36 1/12 6x34 Ryegrass 3/6x5/16 6x32 1/2x142 6x32 Sand dropseed 1/25 50x50 32x32, 6x36 45x45 Side oats grama 10 1/13 36x36 4x24 6x60 Sudangrass, Piper 10 1/13 35/6x844, 1/12x92 1/20x26 Sudangrass, Piper 10 1/12 18x18 1/14 6x22 Sudangrass, Blackwell 1/12 18x18 1/14 6x32 6x34 Wheatgrass, Crested 1/16x42 6x32, 6x30 1/18x44 6x30 6x34 Wheatgrass, Intermediate 1/16x42 6x32, 6x30 1/18x44 6x31 10-11 1x4442 6x34 10-11 1x4442 6x34 10-11 1x44442 6x34 1x44442 1x444442 1x444444 1x444442 1x44444	•	28x28, 30x30	60x60, 6x60		50x50
Rescuegrass 16, 12 1/18x1/4 1/18x1/2 1/18x1/4, 9-tri, 10-tri Rhodesgrass 6 6x36 1/12 6x34 Ryegrass 3/6x1/5/16 6x32 1/2x1/2x1/2x1/2 6x32 Sand dropseed 1/2s 50x50 32x32, 6x36 45x45 Side oats grama 1/13 36x36 4x24 6x60 Sudangrass, Piper 10 1/15 1/12x1/2 76x1/2x1/2x1/2 1/2x1/2x1/2 1/2x1/2x1/2x1/2 1/2x1/2x1/2 1/2x1/2x1/2x1/2x1/2x1/2x1/2x1/2x1/2x1/2x	•				
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Ryegrass β ₆₄ xδ/1 ₁₆ 6x32 1/2xxV ₂ , 4x19 6x32 Sand dropseed 1/25 50x50 32x32, 6x36 45x45 Side oats grama 1/13 36x36 4x24 6x60 Sudangrass 10 1/15 1/12xV ₂ 3/6x516 Sudangrass, Piper 10 1/13 9%6x34, 1/12xV ₂ 1/2x0V ₂ Sudangrass, sweet 11 1/12 9%6x34 1/1x2X ₂ 1/1x8X ₂ Switchgrass, Blackwell 1/12 18x18 1/14 6x22 Timothy 1/20 to 1/23 6x36 1/12 to 1/25, or 20x2 6x34 Wheatgrass, Crested 1/16xV ₂ 6x32, 6x30 1/18xV ₄ 6x30 Wheatgrass, Intermediate 1/16xV ₂ 6x20, 6x18 1/12xV ₂ 6x18, 10-tri Grains 5 5 6x20, 6x18 1/12xV ₂ 6x18, 10-tri Barley, plump 19 1/13xV ₂ 16x18 1/12xV ₂ 6x18, 10-tri Barley, plump 19 1/13xV ₂ 12 30 14	Rhodesgrass	6	6x36	1/12	
Sand dropseed 1/25 50x50 32x32, 6x36 45x45 Side oats grama 1/13 36x36 4x24 6x60 Sudangrass, Piper 10 1/15 1/12x½ 3/6x35/16 Sudangrass, Piper 10 1/12 8x18 1/14 6x22 Sudangrass, Sweet 11 1/12 18x18 1/14 6x22 Timothy 1/20 to 1/23 6x36 1/21 to 1/25, or 20x20 6x34 Wheatgrass, Crested 1/16x½ 6x32, 6x30 1/16x½ 6x18, 10-tri Wheatgrass, Intermediate 1/16x½ 6x20, 6x18 1/16x½ 6x18, 10-tri Grains 8 1 1/16x½ 6x32, 6x30 1/16x½ 6x18, 10-tri Barley, plump 19 1/13x½ 1/2x½ 6x18, 10-tri 1 Barley, plump 19 1/13x½ 1/2 1 4 1/13x½ 6x18, 10-tri 1 Bulley, plump 19 1/13x½ 1 1 4 1/13x½ 1 1 1 </td <td>•</td> <td></td> <td></td> <td></td> <td></td>	•				
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	=				
Switchgrass, Blackwell I/12 18x18 I/14 6x22 Timothy I/20 to I/23 6x36 I/21 to I/25, or 20x20 6x34 Wheatgrass, Crested I/16x1/2 6x32, 6x30 I/18x1/4 6x30 Wheatgrass, Intermediate I/13x1/2 6x20, 6x18 I/14x1/2 6x18, 10-tri Grains Barley, plump 19 I/13x1/2 9/64x34, 12-tri 5/64x34 Barley, plump 19 I/13x1/2 14 1/13x1/2 12 14 Barley, thin 16 7 14 9/64x34 12-tri 5/64x34 Buckwheat 16 7 14 9/64x34 12-tri 1/12x1/2 corn, cleaning only 32 12 30 14 Hegari 14 I/13x1/2 12 1/12x1/2 Millet, Browntop 7 16x16 6 3/64x5/16 Millet, Proso 1 1/12 17x17 3x16 4x22 Millet, Proso 2 1 1/12 1/12x	0 1				
Timothy $1/20$ to $1/23$ 6x36 $1/21$ to $1/25$, or 20x20 6x34 Wheatgrass, Crested $1/16$ k/2 6x32, 6x30 $1/18$ k/4 6x30 Wheatgrass, Intermediate $1/13$ k/2 6x20, 6x18 $1/14$ k/2 6x18, 10-tri Grains Starten, plump 19 $1/13$ k/2 $9/64$ x/4, 12-tri $5/64$ x/4 Barley, plump 19 $1/13$ k/2 $9/64$ x/4, 12-tri $5/64$ x/4 Barley, thin 16 $1/14$ k/2, 12-tri $8/64$ x/4 $1/13$ x/2 Buck wheat 16 7 14 $9/64$ x/4 $1/13$ x/2 Buck wheat 16 7 14 $9/64$ x/4 $1/13$ x/2 Buck wheat 16 7 14 $9/64$ x/4 $1/13$ x/2 Buck wheat 16 7 14 $9/64$ x/4 $1/12$ x/2 Willet, Browntop 7 16x16 $1/14$ x/2 6 x20 Millet, Browntop 7 16x16 $1/14$ x/2 $1/12$ x/2 Millet, Finch $1/12$ x/2	=				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	•			$^{1}/_{21}$ to $^{1}/_{25}$, or	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Wheatgrass Crested	$^{1}/_{1}$ \propto $^{1}/_{2}$	6x32_6x30		6x30
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	<u> </u>	10	*		
Barley, plump 19 ${}^{1}/{}_{13}x^{1}/{}_{2}$ ${}^{9}/{}_{64}x^{3}/{}_{4}$, 12-tri ${}^{5}/{}_{64}x^{3}/{}_{4}$ Barley, thin 16 ${}^{1}/{}_{14}x^{1}/{}_{2}$, 12-tri ${}^{8}/{}_{64}x^{3}/{}_{4}$ ${}^{1}/{}_{13}x^{1}/{}_{2}$ Buckwheat 16 7 14 ${}^{6}/{}_{64}x^{3}/{}_{4}$ corn, cleaning only 32 12 30 14 Hegari 14 ${}^{1}/{}_{13}x^{1}/{}_{2}$ 12 ${}^{1}/{}_{12}x^{1}/{}_{2}$ Millet, Browntop 7 16x16 6 ${}^{3}/{}_{64}x^{5}/{}_{16}$ Millet, Cattail 7 16x16 6 ${}^{3}/{}_{64}x^{5}/{}_{16}$ Millet, Finch ${}^{1}/{}_{12}$ 17x17 3x16 4x22 Millet, Proso 9, 8 14x14, ${}^{1}/{}_{14}$ $8, {}^{1}/{}_{12}x^{1/2}$ $3x16, {}^{3}/{}_{14}$ Millet, Siberian 7 ${}^{1}/{}_{20}$ 6 ${}^{1}/{}_{15}$ Millo, Maize 14 ${}^{1}/{}_{13}x^{1/2}$ 12 ${}^{1}/{}_{12}x^{1/2}$ Oats, very large 24 ${}^{1}/{}_{16}x^{1/2}$ ${}^{1}/{}_{64}x^{3/4}$	_		,		,
Barley, thin 16 $^{1}/_{14}x^{1}/_{2}$, 12 -tri $^{8}/_{64}x^{3}/_{4}$ $^{1}/_{13}x^{1}/_{2}$ Buckwheat 16 7 14 $^{6}/_{64}x^{3}/_{4}$ corn, cleaning only 32 12 30 14 Hegari 14 $^{1}/_{13}x^{1}/_{2}$ 12 $^{1}/_{12}x^{1}/_{2}$ Millet, Browntop 7 16x16 6 $^{3}/_{64}x^{5}/_{16}$ Millet, Cattail 7 16x16 6 $^{3}/_{64}x^{5}/_{16}$ Millet, Finch $^{1}/_{12}$ 17x17 3x16 4x22 Millet, Proso 9, 8 14x14, $^{1}/_{14}$ $^{8}, ^{1}/_{12}x^{1/_{2}}$ 3x16, $^{3}/_{14}$ Millet, Siberian 7 $^{1}/_{20}$ 6 $^{1}/_{15}$ Millet, Siberian 7 $^{1}/_{20}$ 12 $^{1}/_{20}$ <td></td> <td>19</td> <td>$^{1}/_{13}X^{1}/_{2}$</td> <td>⁹/₆₄x³/₄, 12-tri</td> <td>⁵/₆₄X³/₄</td>		19	$^{1}/_{13}X^{1}/_{2}$	⁹ / ₆₄ x ³ / ₄ , 12-tri	⁵ / ₆₄ X ³ / ₄
Buckwheat 16 7 14 $^6/_{64}$ x³4 corn, cleaning only 32 12 30 14 Hegari 14 $^1/_{13}$ x½2 12 $^1/_{12}$ x½2 Millet, Browntop 7 16x16 $^1/_{14}$ x½2 6x20 Millet, Cattail 7 16x16 6 $^3/_{64}$ x⁵/ $^1_{6}$ Millet, Finch $^1/_{12}$ 17x17 3x16 4x22 Millet, Proso 9, 8 14x14, $^1/_{14}$ $^3/_{12}$ x½2 3 x16, $^3/_{14}$ (special wire) Millet, Siberian 7 $^1/_{20}$ 6 $^1/_{15}$ x½2 Millet, Siberian 7 $^1/_{20}$ 6 $^1/_{12}$ x½2 Oats, Siberian 7 $^1/_{20}$ 6 $^1/_{12}$ x½2 Oats, Very large 24 $^1/_{16}$ x½2, 12-tri $^1/_{64}$ x¾4 $^1/_{14}$ x½2 Oats, very large 24 $^1/_{16}$ x½2, 12-tri $^1/_{64}$ x¾4 $^1/_{14}$ x½2 Oats, small 18 $^1/_{16}$ x½2, 12-tri $^1/_{64}$ x¾4 $^1/_{14}$ x½2 Oats,					* .
corn, cleaning only 32 12 30 14 Hegari 14 1 / ₁₃ x½ 12 1 / ₁₂ x½ Millet, Browntop 7 16x16 1 / ₁₄ x½ 6x20 Millet, Cattail 7 16x16 6 3 / ₆₄ x 5 / ₁₆ Millet, Finch 1 / ₁₂ 17x17 3x16 4x22 Millet, Proso 9, 8 14x14, 1 / ₁₄ 8, 1 / ₁₂ x½ 3x16, 3 / ₁₄ (special wire) Millet, Siberian 7 1 / ₂₀ 6 1 / ₁₅ Millo, Maize 14 1 / ₁₃ x½ 12 1 / ₁₂ x½ Oats, very large 24 1 / ₁₆ x½, 12-tri 13 / ₆₄ x 3 4 1 / ₁₄ x½ Oats, large 24 1 / ₁₆ x½, 12-tri 13 / ₆₄ x 3 4 1 / ₁₄ x½ Oats, Sonda, Rodney, etc. 18 1 / ₁₃ x½, 12-tri 9 / ₆₄ x 3 4 1 / ₁₄ x½ Oats, Mo.0-205 18 1 / ₁₅ x½, 12-tri 9 / ₆₄ x 3 4 1 / ₁₆ x½, 1 / ₁₈ x½, 1 / ₁₈ x½ Rice, unhulled, long grain 14, 12 6, 6½ 12, 7 / ₆₄ x 3 4 1 / ₁₆ x½, 1 / ₁₄ x½	•				
Hegari 14 $^1/_{13}x1/_2$ 12 $^1/_{12}x1/_2$ Millet, Browntop 7 16x16 $^1/_{14}x1/_2$ 6x20 Millet, Cattail 7 16x16 6 $^3/_{64}x^5/_{16}$ Millet, Finch $^1/_{12}$ 17x17 3x16 4x22 Millet, Proso 9, 8 14x14, $^1/_{14}$ 8, $^1/_{12}x1/_2$ 3x16, $^3/_{14}$ (special wire) Millet, Siberian 7 $^1/_{20}$ 6 $^1/_{15}$ Millo, Maize 14 $^1/_{13}x1/_2$ 12 $^1/_{12}x1/_2$ Oats, very large 24 $^1/_{16}x1/_2$, 12-tri $^{13}/_{64}x3/_4$ $^1/_{14}x1/_2$ Oats, large 24 $^1/_{16}x1/_2$, 12-tri $^{11}/_{64}x3/_4$ $^{11}/_{14}x1/_2$ Oats, Bonda, Rodney, etc. 18 $^1/_{13}x1/_2$, 12-tri $^9/_{64}x3/_4$ $^1/_{14}x1/_2$ Oats, Mo.0-205 18 $^1/_{13}x1/_2$, 12-tri $^9/_{64}x3/_4$ $^1/_{16}x1/_2$, $^1/_{16}x1/_2$, $^1/_{16}x1/_2$ Oats, Mo.0-205 18 $^1/_{13}x1/_2$, 12-tri $^9/_{64}x3/_4$ $^1/_{13}x1/_2$, $^1/_{16}x1/_2$,					
Millet, Browntop 7 $16x16$ $\frac{1}{14}x^{1/2}$ $6x20$ Millet, Cattail 7 $16x16$ 6 $\frac{3}{64}x^{5}/16$ Millet, Finch $\frac{1}{12}$ $17x17$ $3x16$ $4x22$ Millet, Proso $9, 8$ $14x14, \frac{1}{14}$ $8, \frac{1}{12}x^{1/2}$ $3x16, \frac{3}{14}$ (special wire) Millet, Siberian 7 $\frac{1}{20}$ 6 $\frac{1}{15}$ Milo, Maize 14 $\frac{1}{13}x^{1/2}$ 12 $\frac{1}{12}x^{1/2}$ Oats, very large 24 $\frac{1}{16}x^{1/2}$, 12 -tri $\frac{13}{64}x^{3/4}$ $\frac{1}{14}x^{1/2}$ Oats, large 24 $\frac{1}{16}x^{1/2}$, 12 -tri $\frac{9}{64}x^{3/4}$ $\frac{1}{14}x^{1/2}$ Oats, Bonda, Rodney, etc. 18 $\frac{1}{16}x^{1/2}$, 12 -tri $\frac{9}{64}x^{3/4}$ $\frac{1}{12}x^{1/2}$ Oats, Clinton, Ajax, etc. 18 $\frac{1}{15}x^{1/2}$, 12 -tri $\frac{9}{64}x^{3/4}$ $\frac{1}{16}x^{1/2}$, $\frac{1}{16}x^{1/2}$ Oats, Mo.0-205 18 $\frac{1}{18}x^{3/4}$, 11 -tri $\frac{7}{64}x^{3/4}$ $\frac{1}{16}x^{1/2}$, $\frac{1}{16}x^{1/2}$ Rice, unhulled, long grain 14 6, $\frac{6}{6}$ 12 $\frac{1}{2}$, $\frac{8}{64}x^{3/4}$ $\frac{1}{13}$, $\frac{8}{14}$,					
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Rice, unhulled, short grain 14 6, $6\frac{1}{2}$ 12, $\frac{8}{64}x^{3}4$ $\frac{1}{13}x^{1}2$, $\frac{1}{14}x^{1}2$ Rice, hulled 14 15x15 12 14x14 Rye 12 $\frac{1}{18}x^{3}4$ 12, $\frac{7}{64}x^{3}4$ $\frac{1}{16}x^{1}2$					
Rice, hulled 14 15x15 12 14x14 Rye 12 $^{1}/_{18}x^{3/4}$ 12, $^{7}/_{64}x^{3/4}$ $^{1}/_{16}x^{1/2}$					
Rye 12 $\frac{1}{18}x^{3/4}$ 12, $\frac{7}{64}x^{3/4}$ $\frac{1}{16}x^{1/2}$	•				
	Rye, Florida Black		$^{1}/_{22}X^{1/2}$		$\frac{3}{64}$ $\frac{x^{5}}{16}$

Commodity	Column 1 Scalp	Column 2 Sift	Column 3 Scalp	Column 4 Sift
Grains (cont.)				
Sorgo, Atlas	12	$^{1}/_{13}x^{1/2}$	10	$^{1}/_{12}X^{1}/_{2}$
Wheat, plump	16	⁵ / ₆₄ x ³ / ₄ , 12-tri	$14, {}^{9}/_{64}x^{3/4}$	$^{5\frac{1}{2}}/_{64}$ X $^{3}/_{4}$, $^{6}/_{64}$ X $^{3}/_{4}$
Wheat, thin	14	$^{1}/_{14}$ x½, 11-tri		$^{1}/_{13}x^{1}/_{2}$
Wheat, Durum	18	⁵¹ / ₆₄ x ³ / ₄ , 12-tri	$16, \frac{10}{64}$ x $\frac{3}{4}$	$^{6}/_{64}$ X $^{3}/_{4}$
Miscellaneous				
Cane	12	$^{1}/_{15}X^{1}/_{2}$	10	$^{1}/_{14}X^{1/2}$
Coffee, unhulled	30	14, 16	28	⁸ / ₆₄ X ³ / ₄
Coffee, hulled	24	14, 16	22	⁸ / ₆₄ X ³ / ₄
Cottonseed, acid, delinted	20	$^{9}/_{64}X^{3/4}$	18	$^{91/2}/_{64}$ X $^{3/4}$, $^{10}/_{64}$ X $^{3/4}$
Cottonseed, mechanically delinted	22	$^{9}/_{64}$ X $^{3}/_{4}$	20, 18	$^{91/2}/_{64}$ X $^{3/4}$, $^{10}/_{64}$ X $^{3/4}$
Cottonseed, undelinted	40	$^{12}/_{64}$ X $^{3}/_{4}$	36	$^{13}/_{64}$ X $^{3}/_{4}$
Dichondra, hulled	¹ / ₁₂	6x22	¹ / ₁₄	6x21
Dichondra, unhulled	8	6x20	7	6x18
Flax, large	9	¹ / ₁₂	$^{3}/_{14}$ (special wire)	6
Flax, medium	8	¹ / ₁₃	3x16 (special wire)	¹ / ₁₂
Flax, small	7	¹ / ₁₄	$^{3}/_{17}$ (special wire)	1/13
Konaf	14	8	$^{8}/_{64}$ X $^{3}/_{4}$	$^{1}/_{14}X^{1}/_{2}$
Safflower	18	8	$^{11}/_{64}$ X $^{3}/_{4}$	$^{6}/_{64}$ X $^{3}/_{4}$
Sesame	6	17x17	$^{1}/_{20}X^{1/2}$	$^{1}/_{16}$, 6x24
Small Legume Seed				
Alfalfa	$^{1}/_{12}, ^{1}/_{14}$	20x20	$^{1}/_{14}$, $^{3}/_{64}$ $^{5}/_{16}$	6x24
Alsike clover	¹ / ₁₈	24x24	¹ / ₁₉	6x32
Alyce clover	¹ / ₁₆	20x22	$^{1}/_{22}X^{1}/_{2}$	6x24
Beggarweed, hulled	¹ / ₁₂	18x18	$^{1}/_{18}X^{1/4}$	6x24
Beggarweed, unhulled	14 to 20	18x18	9 to 14	6x24
Berseem clover	¹ / ₁₃	17x17	$^{1}/_{16}X^{1/4}$	6x20
Bur-clover, hulled	1/12	20x20	¹ / ₁₃	6x22
Burnett	14	$^{1}/_{14}X^{1/2}$	⁹ / ₆₄ x ³ / ₄	¹ / ₁₂
Button clover	7, 6	17x17	$^{1}/_{18}X^{1/4}$	6x24
Crimson clover	6	20x20	¹ / ₁₃	6x22
Crotalaria, Giant Striata	8	14x14	$^{1}/_{14}X^{1/2}$	6x22
Crotalaria, Intermedia	6	16x16	$^{1}/_{15}X^{1/2}$	6x20
Crotalaria, Spectabilis	14	7, 71/2	$^{1}/_{12}X^{1/2}$	7½, 8
Guar	12	7	$^{8}/_{64}$ X $^{3}/_{4}$	$^{1}/_{13}X^{1}/_{2}$
Hop clover	¹ / ₂₅	38x38	22x22	6x38
Hubam sweet clover, hulled	¹ / ₁₆	20x20	$^{3}/_{64}x^{5}/_{16}$	6x24
Hubam sweet clover, unhulled	7	20x20	¹ / ₁₄ x ¹ / ₄	6x24
Indigo, blanket	¹ / ₁₅	20x22	16x16	6x26
Indigo, carpet	1/15	20x22	16x16	6x26
Indigo, early	1/12	18x18	¹ / ₁₃	6x20

Scalp Sift Scalp Sift Small Legume Seed (cont.) Indigo, Hairy	Commodity	Column 1	Column 2	Column 3	Column 4
Indigo, Hairy		Scalp	Sift	Scalp	Sift
Lappa clover $^1/_{16}$ $22x22$ $^3/_{64}x^5/_{16}$ $6x24$ Ladino clover $^1/_{20}$ $26x26$ $^1/_{21}$, $^1/_{22}$ $6x32$ Lespedeza, bicolor, hulled 7 $^1/_{15}$ $^1/_{13}x^{1/}{2}$ $4x16$ Lespedeza, bicolor, unhulled 14 $^1/_{15}$ $^1/_{12}x^{1/}{2}$ $4x16$ Lespedeza, common, unhulled 6 $^1/_{17}$ $6x15$ $^1/_{16}$, $^1/_{18}$ Lespedeza, common, hulled 8 , 9 $^1/_{14}$ $^1/_{18}x^3$ $^1/_{18}$ Lespedeza, Kobe, unhulled $^1/_{12}$ $6x22$ $^3/_{64}x^5/_{16}$ $^1/_{16}$ Lespedeza, Korean, unhulled $^1/_{12}$ $6x24$ $^3/_{64}x^5/_{16}$ $^1/_{18}$ Lespedeza, Korean, hulled $^1/_{14}$, $^1/_{15}$ $6x24$ $^3/_{64}x^5/_{16}$ $^1/_{18}$ Lespedeza, Scricea, unhulled $^1/_{16}$ $^1/_{16}$ $^1/_{18}x^3$ $^1/_{15}$ Lespedeza, Scricea, hulled $^1/_{16}$ $^1/_{16}$ $^1/_{18}x^3$ $^1/_{15}$ Lespedeza, Scricea, hulled $^1/_{16}$ $^1/_{16}$ $^1/_{18}x^3$ $^1/_{18}$ Lespedeza, Scric	Small Legume Seed (cont.)				
Ladino clover $^{1}/_{20}$ $^{2}/_{115}$ $^{2}/_{21}$, $^{1}/_{22}$ 6x32 Lespedeza, bicolor, hulled 7 $^{1}/_{15}$ $^{1}/_{13}x^{1}/_{2}$ 4x16 Lespedeza, bicolor, unhulled 14 $^{1}/_{15}$ $^{1}/_{12}x^{1}/_{2}$ 4x16 Lespedeza, common, unhulled 6 $^{1}/_{17}$ 6x15 $^{1}/_{16}$, $^{1}/_{15}$ Lespedeza, common, hulled $^{1}/_{14}$ 6x24 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{18}$ Lespedeza, Kobe, unhulled $^{1}/_{12}$ 6x22 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{16}$ Lespedeza, Korean, unhulled $^{1}/_{12}$ 6x22 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{16}$ Lespedeza, Scricea, hulled $^{1}/_{14}$, $^{1}/_{15}$ 6x24 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{18}$ Lespedeza, Scricea, hulled $^{1}/_{16}$ 22x22 $^{3}/_{64}x^{5}/_{16}$ 6x26 Madrid sweet clover, hulled $^{1}/_{15}$ 22x22 $^{1}/_{16}$ 6x30 Red clover $^{1}/_{14}$, $^{1}/_{15}$ 20x22 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hull	Indigo, Hairy	¹ / ₁₂	18x18	$^{1}/_{13}, ^{1}/_{14}$	6x20
Lespedeza, bicolor, hulled 7 $1/15$ $1/13$ x½ $4x16$ Lespedeza, bicolor, unhulled 14 $1/15$ $1/12$ x½ $4x16$ Lespedeza, common, unhulled 6 $1/17$ $6x15$ $1/16$, $1/15$ Lespedeza, common, hulled $1/14$ $6x24$ $3/64x^5/16$ $1/18$ Lespedeza, Kobe, unhulled $8,9$ $1/14$ $1/18x^34$ $1/14$, $1/12$ Lespedeza, Kobe, hulled $1/12$ $6x22$ $3/64x^5/16$ $1/16$ $1/16$ Lespedeza, Korean, unhulled 6 $1/17$ $6x15$ $1/16$ $1/16$ Lespedeza, Korean, hulled $1/14$, $1/15$ $6x24$ $3/64x^5/16$ $1/18$ $1/18$ Lespedeza, Scricea, unhulled 7 $1/16$ $1/18x^34$ $1/15$ $1/15$ $1/16$ $1/18x^34$ $1/15$ Lespedeza, Scricea, hulled $1/16$ $22x22$ $3/64x^5/16$ $6x26$ Madrid sweet clover, hulled $1/15$ $22x22$ $1/16$ $6x26$ Persion clover $1/14$, $1/15$ $20x22$ $1/15$, $3/64x^5/16$ $6x24$ $6x24$	Lappa clover	¹ / ₁₆	22x22	$^{3}/_{64}x^{5}/_{16}$	6x24
Lespedeza, bicolor, unhulled 14 $1/15$ $1/12xV_2$ $4x16$ Lespedeza, common, unhulled 6 $1/17$ $6x15$ $1/16$, $1/15$ Lespedeza, common, hulled $1/14$ $6x24$ $3/64x^5/16$ $1/18$ Lespedeza, Kobe, unhulled $8,9$ $1/14$ $1/18x^34$ $1/14, 1/12$ Lespedeza, Kobe, hulled $1/12$ $6x22$ $3/64x^5/16$ $1/16$ Lespedeza, Korean, unhulled 6 $1/17$ $6x15$ $1/16$ Lespedeza, Korean, hulled $1/14, 1/15$ $6x24$ $3/64x^5/16$ $1/18$ Lespedeza, Scricea, unhulled 7 $1/16$ $1/18x^34$ $1/15$ Lespedeza, Scricea, hulled $1/16$ $22x22$ $3/64x^5/16$ $6x26$ Madrid sweet clover, hulled $1/15$ $22x22$ $1/16$ $6x26$ Persion clover $1/18$ $22x22$ $1/16$ $6x24$ Red clover $1/14$, $1/15$ $20x22$ $1/15$, $3/64x^5/16$ $6x24$, $6x24$ Sanfoin, hulled 20 8 $1/16$ $1/12$ $1/12$ Sesbasia	Ladino clover	$^{1}/_{20}$	26x26	$^{1}/_{21}, ^{1}/_{22}$	6x32
Lespedeza, common, unhulled 6 $^1/_{17}$ 6x15 $^1/_{16}$, $^1/_{15}$ Lespedeza, common, hulled $^1/_{14}$ 6x24 $^3/_{64}x^5/_{16}$ $^1/_{18}$ Lespedeza, Kobe, unhulled 8, 9 $^1/_{14}$ $^1/_{18}x^3/_{44}$ $^1/_{14}$, $^1/_{12}$ Lespedeza, Kobe, hulled $^1/_{12}$ 6x22 $^3/_{64}x^5/_{16}$ $^1/_{16}$ Lespedeza, Korean, unhulled 6 $^1/_{17}$ 6x15 $^1/_{16}$ Lespedeza, Korean, hulled $^1/_{14}$, $^1/_{15}$ 6x24 $^3/_{64}x^5/_{16}$ $^1/_{18}$ Lespedeza, Scricea, unhulled 7 $^1/_{16}$ $^1/_{18}x^3/_{4}$ $^1/_{15}$ Lespedeza, Scricea, hulled $^1/_{16}$ 22x22 $^3/_{64}x^5/_{16}$ 6x26 Madrid sweet clover, hulled $^1/_{15}$ 22x22 $^1/_{16}$ 6x26 Persion clover $^1/_{18}$ 22x22 $^1/_{16}$ 6x30 Red clover $^1/_{14}$, $^1/_{15}$ 20x22 $^1/_{15}$, $^3/_{64}x^5/_{16}$ 6x24, 6x22 Sanfoin, unhulled 9 12x12 4x8½ 6x14 Sanfoin, unhulled $^1/_{14}$, $^1/_{15}$ 20x20<	Lespedeza, bicolor, hulled	7	¹ / ₁₅	$^{1}/_{13}X^{1/2}$	4x16
Lespedeza, common, hulled $^{1}/_{14}$ $^{1}/_{14}$ $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{18}$ Lespedeza, Kobe, unhulled 8, 9 $^{1}/_{14}$ $^{1}/_{18}x^{3}/_{44}$ $^{1}/_{14}$, $^{1}/_{12}$ Lespedeza, Kobe, hulled $^{1}/_{12}$ $^{6}x^{22}$ $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{16}$ Lespedeza, Korean, unhulled 6 $^{1}/_{17}$ $^{6}x^{25}$ $^{1}/_{16}$ Lespedeza, Korean, hulled 7 $^{1}/_{16}$ $^{1}/_{18}x^{34}$ $^{1}/_{18}$ Lespedeza, Scricea, unhulled 7 $^{1}/_{16}$ $^{1}/_{18}x^{34}$ $^{1}/_{15}$ Lespedeza, Scricea, hulled 7 $^{1}/_{16}$ $^{2}2x^{22}$ $^{3}/_{64}x^{5}/_{16}$ $^{6}x^{26}$ Madrid sweet clover, hulled $^{1}/_{15}$ $^{2}2x^{22}$ $^{1}/_{16}$ $^{6}x^{26}$ Persion clover $^{1}/_{18}$ $^{2}2x^{22}$ $^{1}/_{16}$ $^{6}x^{26}$ Red clover $^{1}/_{14}$, $^{1}/_{15}$ $^{2}0x^{22}$ $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ $^{6}x^{24}$, $^{6}x^{24}$ Sanfoin, unhulled 9 $^{1}2x^{12}$ $^{1}2x^{12}$ $^{1}2x^{12}$ $^{1}2x^{12}$ $^{1}2x^{12}$	Lespedeza, bicolor, unhulled	14	¹ / ₁₅	$^{1}/_{12}X^{1/2}$	4x16
Lespedeza, Kobe, unhulled 8, 9 $^{1}/_{14}$ $^{1}/_{18}x^{3/4}$ $^{1}/_{14}$, $^{1}/_{12}$ Lespedeza, Kobe, hulled $^{1}/_{12}$ 6x22 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{16}$ Lespedeza, Korean, unhulled 6 $^{1}/_{17}$ 6x15 $^{1}/_{16}$ Lespedeza, Korean, hulled $^{1}/_{14}$, $^{1}/_{15}$ 6x24 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{18}$ Lespedeza, Scricea, unhulled 7 $^{1}/_{16}$ $^{1}/_{18}x^{3/4}$ $^{1}/_{15}$ Lespedeza, Scricea, hulled $^{1}/_{16}$ 22x22 $^{3}/_{64}x^{5}/_{16}$ 6x26 Madrid sweet clover, hulled $^{1}/_{18}$ 22x22 $^{1}/_{16}$ 6x26 Persion clover $^{1}/_{18}$ 22x22 $^{1}/_{19}$ 6x30 Red clover $^{1}/_{14}$, $^{1}/_{15}$ 20x22 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hulled 9 12x12 4x8½ 6x14 Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3/4}$ $^{1}/_{12}x^{1/2}$ Sesbasia 10 $^{1}/_{18}x^{1/4}$ 9, 8 $^{1}/_{18}x^{3/4}$ Sour clover, melitotus, Indica, unhulled <td>Lespedeza, common, unhulled</td> <td>6</td> <td>¹/₁₇</td> <td>6x15</td> <td>$^{1}/_{16}, ^{1}/_{15}$</td>	Lespedeza, common, unhulled	6	¹ / ₁₇	6x15	$^{1}/_{16}, ^{1}/_{15}$
Lespedeza, Kobe, hulled $1/12$ $6x22$ $3/64x^5/16$ $1/16$ Lespedeza, Korean, unhulled 6 $1/17$ $6x15$ $1/16$ Lespedeza, Korean, hulled $1/14$, $1/15$ $6x24$ $3/64x^5/16$ $1/18$ Lespedeza, Scricea, unhulled 7 $1/16$ $1/18x^3/4$ $1/15$ Lespedeza, Scricea, hulled $1/16$ $22x22$ $3/64x^5/16$ $6x26$ Madrid sweet clover, hulled $1/15$ $22x22$ $1/16$ $6x26$ Persion clover $1/18$ $22x22$ $1/16$ $6x26$ Persion clover $1/18$ $22x22$ $1/19$ $6x30$ Red clover $1/14$, $1/15$ $20x22$ $1/15$, $3/64x^5/16$ $6x24$, $6x22$ Sanfoin, hulled 9 $12x12$ $4x81/2$ $6x14$ Sanfoin, unhulled 20 8 $10/64x^3/4$ $1/12x^4/2$ Sesbasia 10 $1/18x^4/4$ 9 , 8 $1/18x^3/4$ Sour clover, melitotus, Indica, unhulled $1/12$ $20x20$ $1/15$, $3/64x^5/16$ $6x24$ Sub clover 10 $1/1$	Lespedeza, common, hulled	¹ / ₁₄	6x24	$^{3}/_{64}x^{5}/_{16}$	¹ / ₁₈
Lespedeza, Korean, unhulled 6 $^{1}/_{17}$ 6x15 $^{1}/_{16}$ Lespedeza, Korean, hulled $^{1}/_{14}$, $^{1}/_{15}$ 6x24 $^{3}/_{64}x^{5}/_{16}$ $^{1}/_{18}$ Lespedeza, Scricea, unhulled 7 $^{1}/_{16}$ $^{1}/_{18}x^{3}/_{4}$ $^{1}/_{15}$ Lespedeza, Scricea, hulled $^{1}/_{16}$ 22x22 $^{3}/_{64}x^{5}/_{16}$ 6x26 Madrid sweet clover, hulled $^{1}/_{15}$ 22x22 $^{1}/_{16}$ 6x26 Persion clover $^{1}/_{18}$ 22x22 $^{1}/_{19}$ 6x30 Red clover $^{1}/_{14}$, $^{1}/_{15}$ 20x22 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hulled 9 12x12 4x8½ 6x14 Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3/4}$ $^{1}/_{12}x^{1/2}$ Sesbasia 10 $^{1}/_{18}x^{1/4}$ 9, 8 $^{1}/_{18}x^{3/4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ 20x20 $^{1}/_{15}x^{1/4}$ 6x24 Sub clover 10 $^{1}/_{22}x^{1/2}$ 7 4x16	Lespedeza, Kobe, unhulled	8, 9	¹ / ₁₄	$^{1}/_{18}X^{3/4}$	$^{1}/_{14}$, $^{1}/_{12}$
Lespedeza, Korean, hulled ${}^{1}/_{14}$, ${}^{1}/_{15}$ $6x24$ ${}^{3}/_{64}x^{5}/_{16}$ ${}^{1}/_{18}$ Lespedeza, Scricea, unhulled 7 ${}^{1}/_{16}$ $22x22$ ${}^{3}/_{64}x^{5}/_{16}$ $6x26$ Madrid sweet clover, hulled ${}^{1}/_{15}$ $22x22$ ${}^{1}/_{16}$ $6x26$ Persion clover ${}^{1}/_{18}$ $22x22$ ${}^{1}/_{16}$ $6x26$ Red clover ${}^{1}/_{18}$ $22x22$ ${}^{1}/_{19}$ $6x30$ Red clover ${}^{1}/_{14}$, ${}^{1}/_{15}$ $20x22$ ${}^{1}/_{15}$, ${}^{3}/_{64}x^{5}/_{16}$ $6x24$, $6x22$ Sanfoin, hulled 9 $12x12$ $4x81/_2$ $6x14$ Sanfoin, unhulled 9 $12x12$ $4x81/_2$ $6x14$ Sesbasia 10 ${}^{1}/_{18}x^{1/4}$ 9 , 8 ${}^{1}/_{18}x^{3/4}$ Sour clover, melitotus, Indica, hulled ${}^{1}/_{14}$, ${}^{1}/_{15}$ $20x20$ ${}^{1}/_{15}$, ${}^{3}/_{64}x^{5}/_{16}$ $6x24$ Sour clover, melitotus, Indica, unhulled ${}^{1}/_{12}$ $20x20$ ${}^{1}/_{18}x^{1/4}$ $6x24$ Sub clover 10 ${}^{1}/_{22}x^{1/2}$ 7 $4x16$	Lespedeza, Kobe, hulled	¹ / ₁₂	6x22	$^{3}/_{64}x^{5}/_{16}$	¹ / ₁₆
Lespedeza, Scricea, unhulled 7 $^{1}/_{16}$ $^{1}/_{18}x^{3/4}$ $^{1}/_{15}$ Lespedeza, Scricea, hulled $^{1}/_{16}$ $^{1}/_{16}$ $^{22}x^{22}$ $^{3}/_{64}x^{5}/_{16}$ $^{6x}26$ Madrid sweet clover, hulled $^{1}/_{15}$ $^{22}x^{22}$ $^{1}/_{16}$ $^{6x}26$ Persion clover $^{1}/_{18}$ $^{22}x^{22}$ $^{1}/_{19}$ $^{6x}30$ Red clover $^{1}/_{14}$, $^{1}/_{15}$ $^{20}x^{22}$ $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ $^{6x}24$, $^{6x}22$ Sanfoin, hulled 9 $^{12}x^{12}$ $^{4x}8^{1/2}$ $^{6x}14$ Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3/4}$ $^{1}/_{12}x^{1/2}$ Sesbasia 10 $^{1}/_{18}x^{1/4}$ 9, 8 $^{1}/_{18}x^{3/4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ $^{20}x^{20}$ $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ $^{6x}24$ Sub clover 10 $^{1}/_{22}x^{1/2}$ 7 $^{4x}16$	Lespedeza, Korean, unhulled	6	¹ / ₁₇	6x15	¹ / ₁₆
Lespedeza, Scricea, hulled $^{1}/_{16}$ 22x22 $^{3}/_{64}x^{5}/_{16}$ 6x26 Madrid sweet clover, hulled $^{1}/_{15}$ 22x22 $^{1}/_{16}$ 6x26 Persion clover $^{1}/_{18}$ 22x22 $^{1}/_{19}$ 6x30 Red clover $^{1}/_{14}$, $^{1}/_{15}$ 20x22 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hulled 9 12x12 4x8½ 6x14 Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3}/_{4}$ $^{1}/_{12}x^{1}/_{2}$ Sesbasia 10 $^{1}/_{18}x^{1}/_{4}$ 9, 8 $^{1}/_{18}x^{3}/_{4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ 20x20 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24 Sub clover 10 $^{1}/_{22}x^{1}/_{2}$ 7 4x16	Lespedeza, Korean, hulled	$^{1}/_{14}$, $^{1}/_{15}$	6x24	$^{3}/_{64}x^{5}/_{16}$	¹ / ₁₈
Madrid sweet clover, hulled $^{1}/_{15}$ 22x22 $^{1}/_{16}$ 6x26 Persion clover $^{1}/_{18}$ 22x22 $^{1}/_{19}$ 6x30 Red clover $^{1}/_{14}$, $^{1}/_{15}$ 20x22 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hulled 9 12x12 4x8½ 6x14 Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3}/_{4}$ $^{1}/_{12}x^{1}/_{2}$ Sesbasia 10 $^{1}/_{18}x^{1}/_{4}$ 9, 8 $^{1}/_{18}x^{3}/_{4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ 20x20 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24 Sour clover, melitotus, Indica, unhulled $^{1}/_{12}$ 20x20 $^{1}/_{18}x^{1}/_{4}$ 6x24 Sub clover 10 $^{1}/_{22}x^{1}/_{2}$ 7 4x16	Lespedeza, Scricea, unhulled	7	¹ / ₁₆	$^{1}/_{18}X^{3/4}$	¹ / ₁₅
Persion clover ${}^{1}/_{18}$ 22x22 ${}^{1}/_{19}$ 6x30 Red clover ${}^{1}/_{14}$, ${}^{1}/_{15}$ 20x22 ${}^{1}/_{15}$, ${}^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hulled 9 12x12 4x8 ${}^{1}/_{2}$ 6x14 Sanfoin, unhulled 20 8 ${}^{10}/_{64}x^{3}/_{4}$ ${}^{1}/_{12}x^{1}/_{2}$ Sesbasia 10 ${}^{1}/_{18}x^{1}/_{4}$ 9, 8 ${}^{1}/_{18}x^{3}/_{4}$ Sour clover, melitotus, Indica, hulled ${}^{1}/_{14}$, ${}^{1}/_{15}$ 20x20 ${}^{1}/_{15}$, ${}^{3}/_{64}x^{5}/_{16}$ 6x24 Sour clover, melitotus, Indica, unhulled ${}^{1}/_{12}$ 20x20 ${}^{1}/_{18}x^{1}/_{4}$ 6x24 Sub clover 10 ${}^{1}/_{22}x^{1}/_{2}$ 7 4x16	Lespedeza, Scricea, hulled	¹ / ₁₆	22x22	$^{3}/_{64}x^{5}/_{16}$	6x26
Persion clover ${}^{1}/_{18}$ 22x22 ${}^{1}/_{19}$ 6x30 Red clover ${}^{1}/_{14}$, ${}^{1}/_{15}$ 20x22 ${}^{1}/_{15}$, ${}^{3}/_{64}x^{5}/_{16}$ 6x24, 6x22 Sanfoin, hulled 9 12x12 4x8 ${}^{1}/_{2}$ 6x14 Sanfoin, unhulled 20 8 ${}^{10}/_{64}x^{3}/_{4}$ ${}^{1}/_{12}x^{1}/_{2}$ Sesbasia 10 ${}^{1}/_{18}x^{1}/_{4}$ 9, 8 ${}^{1}/_{18}x^{3}/_{4}$ Sour clover, melitotus, Indica, hulled ${}^{1}/_{14}$, ${}^{1}/_{15}$ 20x20 ${}^{1}/_{15}$, ${}^{3}/_{64}x^{5}/_{16}$ 6x24 Sour clover, melitotus, Indica, unhulled ${}^{1}/_{12}$ 20x20 ${}^{1}/_{18}x^{1}/_{4}$ 6x24 Sub clover 10 ${}^{1}/_{22}x^{1}/_{2}$ 7 4x16	Madrid sweet clover, hulled	¹ / ₁₅	22x22	¹ / ₁₆	6x26
Red clover $^{1}/_{14}$, $^{1}/_{15}$ $^{1}/_{15}$, $^{1}/_{64}x^{5}/_{16}$ $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ $^{6}x^{24}$, $^{6}x^{22}$ Sanfoin, hulled 9 $^{1}2x^{12}$ $^{4}x^{8}/_{2}$ $^{6}x^{14}$ Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3}/_{4}$ $^{1}/_{12}x^{1/2}$ Sesbasia 10 $^{1}/_{18}x^{1}/_{4}$ 9, 8 $^{1}/_{18}x^{3}/_{4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ $^{6}x^{24}$ Sour clover, melitotus, Indica, unhulled $^{1}/_{12}$ $^{1}/_{12}x^{1}/_{22}$ $^{1}/_{18}x^{1}/_{4}$ $^{6}x^{24}$ Sub clover 10 $^{1}/_{22}x^{1}/_{2}$ 7 $^{4}x^{16}$	Persion clover		22x22	¹ / ₁₉	6x30
Sanfoin, hulled 9 $12x12$ $4x8\frac{1}{2}$ $6x14$ Sanfoin, unhulled 20 8 $^{10}/_{64}x^{3}/_{4}$ $^{1}/_{12}x^{1}/_{2}$ Sesbasia 10 $^{1}/_{18}x^{1}/_{4}$ 9, 8 $^{1}/_{18}x^{3}/_{4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ $20x20$ $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ $6x24$ Sour clover, melitotus, Indica, unhulled $^{1}/_{12}$ $20x20$ $^{1}/_{18}x^{1}/_{4}$ $6x24$ Sub clover 10 $^{1}/_{22}x^{1}/_{2}$ 7 $4x16$	Red clover		20x22	$^{1}/_{15}$, $^{3}/_{64}$ $^{5}/_{16}$	6x24, 6x22
Sesbasia 10 $^{1}/_{18}x^{1/4}$ 9, 8 $^{1}/_{18}x^{3/4}$ Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ 20x20 $^{1}/_{15}$, $^{3}/_{64}x^{5/}_{16}$ 6x24 Sour clover, melitotus, Indica, unhulled $^{1}/_{12}$ 20x20 $^{1}/_{18}x^{1/4}$ 6x24 Sub clover 10 $^{1}/_{22}x^{1/2}$ 7 4x16	Sanfoin, hulled		12x12	$4x8\frac{1}{2}$	6x14
Sour clover, melitotus, Indica, hulled $^{1}/_{14}$, $^{1}/_{15}$ 20x20 $^{1}/_{15}$, $^{3}/_{64}x^{5}/_{16}$ 6x24 Sour clover, melitotus, Indica, unhulled $^{1}/_{12}$ 20x20 $^{1}/_{18}x^{1}/_{4}$ 6x24 Sub clover 10 $^{1}/_{22}x^{1}/_{2}$ 7 4x16	Sanfoin, unhulled	20	8	$^{10}/_{64}$ x $^{3}/_{4}$	$^{1}/_{12}X^{1}/_{2}$
Sour clover, melitotus, Indica, unhulled $^{1}/_{12}$ 20x20 $^{1}/_{18}$ x $^{1}/_{4}$ 6x24 Sub clover 10 $^{1}/_{22}$ x $^{1}/_{2}$ 7 4x16	Sesbasia	10	$^{1}/_{18}X^{1/4}$	9, 8	$^{1}/_{18}$ X $^{3}/_{4}$
Sub clover $10 1/_{22}x^{1/2} 7 4x16$	Sour clover, melitotus, Indica, hulled	$^{1}/_{14}, ^{1}/_{15}$	20x20	$^{1}/_{15}$, $^{3}/_{64}$ $^{5}/_{16}$	6x24
22	Sour clover, melitotus, Indica, unhulled	¹ / ₁₂	20x20	$^{1}/_{18}X^{1/4}$	6x24
Sweet clover, hulled $\frac{1}{14}, \frac{1}{15}$ 20x22 $\frac{3}{64}x^{5}/_{16}$ 6x24	Sub clover	10	$^{1}/_{22}X^{1}/_{2}$	7	4x16
	Sweet clover, hulled	$^{1}/_{14}, ^{1}/_{15}$	20x22	$^{3}/_{64}x^{5}/_{16}$	6x24
Sweet clover, unhulled 7 $20x22$ $\frac{1}{14}x\frac{1}{4}$ $6x24$	Sweet clover, unhulled	7	20x22	$^{1}/_{14}X^{1/4}$	6x24
Trefoil, Birdsfoot $\frac{1}{16}$ 22x22 $\frac{3}{64}x^{5}/_{16}$ 6x24	Trefoil, Birdsfoot	¹ / ₁₆	22x22	$^{3}/_{64}x^{5}/_{16}$	6x24
Trefoil, yellow or black medic, hulled $^{1}/_{17}$ 20x22 $^{3}/_{64}x^{5}/_{16}$ 6x30	Trefoil, yellow or black medic, hulled	¹ / ₁₇	20x22	$^{3}/_{64}x^{5}/_{16}$	6x30
Trefoil, yellow or black medic, unhulled 6 $18x18$ $\frac{1}{18}x^{3/4}$ $6x30$	Trefoil, yellow or black medic, unhulled	6	18x18	$^{1}/_{18}X^{3/4}$	6x30
White clover $\frac{1}{19}$ $24x24$ $\frac{1}{20}$ $6x32$	White clover	¹ / ₁₉	24x24	¹ / ₂₀	6x32
Large Legume Seed edible beans	Large Legume Seed edible beans				
Cranberry beans 32 $\frac{14}{64}x^{3/4}$ 30 $\frac{16}{64}x^{3/4}$	· ·	32	$^{14}/_{64}$ X $^{3}/_{4}$	30	$^{16}/_{64}$ X $^{3}/_{4}$
Great northern beans 26 $\frac{10}{64}$ X ³ / ₄ 24 $\frac{11}{64}$ X ³ / ₄	•	26		24	
Kidney red beans 30 $\frac{13}{64}$ 28 $\frac{14}{64}$ 34	Kidney red beans	30		28	
Lima baby beans 32 17 30 19	· · · · · · · · · · · · · · · · · · ·	32		30	
Lima large beans 56 24 48 26		56	24	48	26
Lima regular beans 56 16 48 20	_	56	16	48	20
Navy pea beans 22 $\frac{10}{64}$ X ³ / ₄ 20 $\frac{11}{64}$ X ³ / ₄	_		$^{10}/_{64}$ X $^{3}/_{4}$		$^{11}/_{64}$ x $^{3}/_{4}$
Pinto beans $26 \frac{9}{64}x^{3/4} 24 \frac{10}{64}x^{3/4}$		26		24	
Yelloweye beans $24 \frac{11}{64}x^{3/4}$ $22 \frac{12}{64}x^{3/4}$	Yelloweye beans	24		22	

Commodity	Column 1	Column 2	Column 3	Column 4
	Scalp	Sift	Scalp	Sift
Soybeans				
Arksoy, Black Haw, Clemson, Lincoln,	22	$^{10}/_{64}$ X $^{3}/_{4}$	20	$^{11}/_{64}$ X $^{3}/_{4}$
Perry, Ralsoy, S100 soybeans				
Hawkeye & Ogden soybeans	24	$^{10}/_{64}$ X $^{3}/_{4}$	22	$^{11}/_{64}$ X $^{3}/_{4}$
Kingway soybeans	20	12, 11	18	$^{7}/_{64}$ X $^{3}/_{4}$
Laredo soybeans	16	10, 10½	$^{9}/_{64}$ X $^{3}/_{4}$	$^{1}/_{12}X^{1}/_{2}$
Laredo, small Tennessee	12	91/2	$^{7}/_{64}$ X $^{3}/_{4}$	$^{5}/_{64}$ X $^{3}/_{4}$
Mammoth brown	26	$^{11}/_{64}$ X $^{3}/_{4}$	24	$^{12}/_{64}$ X $^{3}/_{4}$
Red tanner	18	11	$^{11}/_{64}$ X $^{3}/_{4}$	$^{6}/_{64}$ X $^{3}/_{4}$
Virginia brown	18	10½, 11	16	$^{7}/_{64}$ X $^{3}/_{4}$
Wilson	18	12	17	$^{61/2}/_{64}$ X $^{3/4}$
Woods yellow	28	$^{12}/_{64}$ X $^{3}/_{4}$	26	$^{13}/_{64}$ x $^{3}/_{4}$
Other Beans				
Mung beans	14	7	13	⁸ / ₆₄ x ³ / ₄
Velvet beans	34	19	32	$^{9}/_{64}$ X $^{3}/_{4}$
Velvet beans, Osceola	40	24	36	$^{13}/_{64}$ x $^{3}/_{4}$, $^{16}/_{64}$ x $^{3}/_{4}$
Lupines				
Blue lupine	24	⁹ / ₆₄ x ³ / ₄	21	$^{10}/_{64}$ x $^{3}/_{4}$
White lupine	22, 20	12	$20, \frac{13}{64}$ $x^{3/4}$	$^{7}/_{64}$ X $^{3}/_{4}$
Yellow bitter lupine	20	12	$^{12}/_{64}$ X $^{3}/_{4}$	$^{6}/_{64}$ X $^{3}/_{4}$
Yellow sweet lupine	26	12	24	$^{6}/_{64}$ X $^{3}/_{4}$
Peas				
Austrian winter peas	18	⁹ / ₆₄ x ³ / ₄	17	$^{10}/_{64}$ x $^{3}/_{4}$
Blackeyed peas	26	$^{10}/_{64}$ X $^{3}/_{4}$	24	$^{11}/_{64}$ X $^{3}/_{4}$
Caley or wild winter peas	14	$\frac{51/2}{64}$ $\frac{3}{4}$	12	$^{6}/_{64}X^{3}/_{4}$
Canada field peas	20	⁸ / ₆₄ x ³ / ₄	18	⁹ / ₆₄ X ³ / ₄
Chick peas, Garbanzos	30	$^{11}/_{64}$ X $^{3}/_{4}$	26	$^{12}/_{64}$ X $^{3}/_{4}$
Cowpeas, large	22	12	21	$^{11}/_{64}$ X $^{3}/_{4}$
Cowpeas, medium	18	10, 11	16	⁹ / ₆₄ X ³ / ₄
Cowpeas, small	14	9	12	⁸ / ₆₄ X ³ / ₄
Cream peas	24	⁸ / ₆₄ x ³ / ₄	22	$^{10}/_{64}$ X $^{3}/_{4}$
Pigeon peas	24	9/ ₆₄ x ³ / ₄	23	¹⁰ / ₆₄ X ³ / ₄
Miscellaneous Large legumes				
Lentils	18	10, 12	$^{7}/_{64}$ X $^{3}/_{4}$	10, 12
Vetch, hairy	14	$^{51/2}/_{64}$ X $^{3/4}$	12	$^{6}/_{64}$ X $^{3}/_{4}$

Paint Specifications

To make it easy to touch up the paint on our equipment and paint accessories to match, we have prepared the following instructions.

Sherwin Williams developed the following formulas:

Blue: REX #F77V100 **Yellow**: REX #F77Y15

Description – Quick Dry Sales #5010-04659

Clear (Base) Description – Quick Dry OSHA Yellow

5-gallon formula (18.9 liters)

PG – 7 oz. 19/32

PB – 19 oz. 10/32 BU – 5 oz. 8/32

TW – 19 oz. 27/32

LB - 25/32

The paint should be easily obtained at any Sherwin Williams store by referring to the above-mentioned formula.

If you have any questions, please contact us.

Common Metric Conversions

Weight

 Metric ton = 2,205 lbs
 Short ton = .9072 metric tons

 Kilogram = 2.2 lbs
 Pound = .45 kilograms

 Metric ton = 40 bu @ 56 lbs/bu
 Bushel 25.4 kg @ 56 lbs/bu

 Metric ton = 49 bu @ 45 lbs/bu
 Bushel 20.4 kg @ 45 lbs/bu

Metric ton = 49 bu @ 45 lbs/bu Bushel 20.4 kg @ 45 lbs/bu Metric ton = 79 bu @ 28 lbs/bu Bushel 12.7 kg @ 28 lbs/bu

Quintal = 100 units of measure (220 lbs)

Length

Meter = 3.28 ft Foot = .3 meters

Meter = 39.37 inchesInch = 2.54 centimetersCentimeter = .39 inchesMile = 1.609 kilometersMillimeter = .039 inchesInch = 25.4 millimeters

Volume

Cubic meter = 35.31 cubic ft

Cubic foot = .28 cubic meter

Cubic meter = 61,020 cubic inches

Cubic foot = 1,728 cubic inches

Liter = .2642 gallons

Cubic foot = 28.32 liters

Barrel (rice) = 3.45 bushels

Bushel = .035 cubic meters

Gallons = 3.785 liters

Density per Unit Volume

Area

Hectare = 2.5 acres Acre = .4 hectares

Square km = .3861 sq mile Square ft = .093 sq meters Square cm = .155 sq in. Square meter = 10.76 sq ft

Heat

Kilogram calorie = 3,969 BTU BTU = .25 kilogram calorie

Force

Lb/sq ft = 4.882 kg/sq meter kW = HP/1.341 Lb ft = 1.356 Newton meter N = .7376 lb ft

Velocity

Ft/min = .0183 km/hr Mile/hr = 1.609 km/hr

Ft/min = .3048 meters/min 196.8 x meters/sec = fpm

Temperature

$$C = (F$$
 - $32) \, / \, 1.8$
$$F = 1.8 \; C + 32 \label{eq:F}$$
 (BTU per lb (H2O removed)) / $1.8 = Kcal \; per \; kg$

Air Volume

 $Ft/min = .59 \text{ m}^3/hr$

Pressure

1 bar = 14.3 psi

Converting Bushels per Hour (BPH) to Tons

 $Tons/hr = (BPH \ x \ product \ weight \ (per \ bushel)) \ / \ 2205$

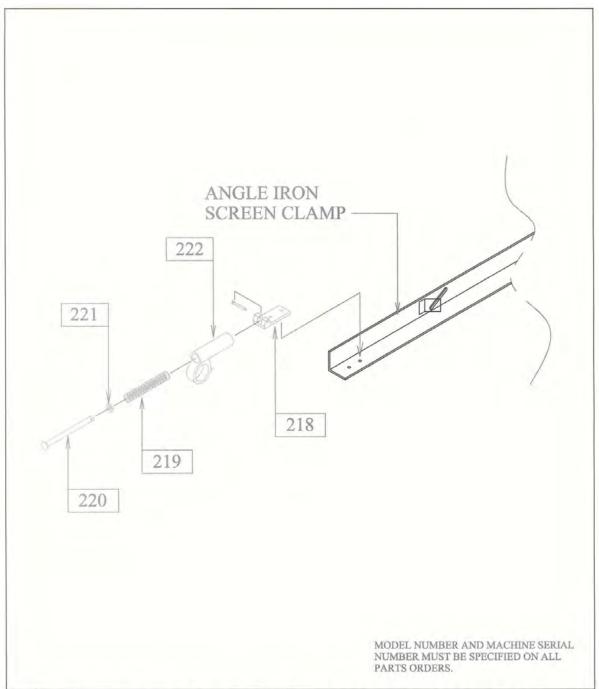
Fluids

Fl oz = 29.6 cc

Other - Screen Perforations

$$mm = \#/64^{th}$$
, s x .4

 $\#/64^{\text{th}}$, s = 2.52 x mm







400 Woodside Drive St. Louis, Michigan 48880 Telephone: (517) 681-4323 Fax: (517) 681-3818

Email: crippenmfg@crippenmfg.com

MODEL: AIR SCREEN CLEANERS

DESCRIPTION: SCREEN CLAMP ASSEMBLY ILLUSTRATION

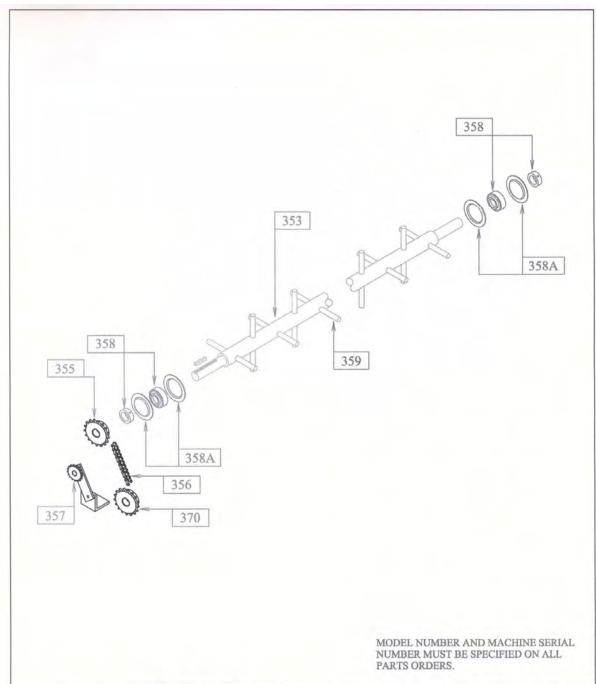
DRAWING NO.: 90002A14 DATE: 12/18/97 DRAWN BY: J.S.

REVISION DATE: REVISED BY:

Parts Listing – Screen Clamp Assembly

Refer to drawing #90002A14 on the Screen Clamp Assembly Illustration

Part#	Description
218	Screen clamp anchor pad, bolts and rivets included
219	Screen clamp pistol spring
220	Screen clamp pistol rod, ¼" diameter x 3¼" long, rivet included
221	Screen clamp pistol washer
222	Screen clamp pistol







400 Woodside Drive St. Louis, Michigan 48880 Telephone: (517) 681-4323 Fax: (517) 681-3818

Email: crippenmfg@crippenmfg.com

MODEL: AIR SCREEN CLEANERS

DESCRIPTION: HOPPER AGITATOR ILLUSTRATION

DRAWING NO.: 90003A14 DATE: 12/18/97 DRAWN BY: J.S.

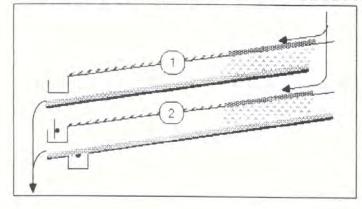
REVISION DATE: REVISED BY:

Parts Listing – Hopper Agitator

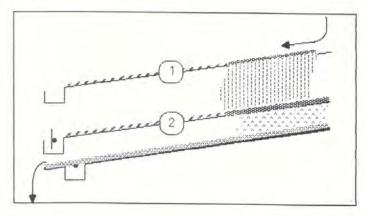
Refer to drawing #90003A14 on the Hopper Agitator Illustration

Part#	Description
353	Agitator with studs
355	Driven sprocket on agitator; number of teeth must be specified
356	Drive chain; quantity of links must be specified
357	Idler sprocket
358	1" diameter ball bearing and collar
358A	Flanges for #358 bearing
359	Stud for agitator shaft
370	Drive sprocket for agitator; number of teeth must be specified

CRIPPEN PRO SERIES TOP SHOE PRODUCT FLOW COMBINATIONS



PARALLEL FEED TO ROWS 1 & 2
PARALLEL SCALP

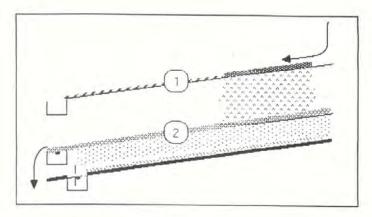


FEED TO ROW #1

DOUBLE SCALP

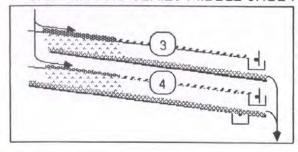
#1 ROUGH SCALP

#2 CLOSE SCALP



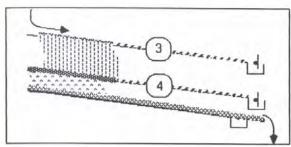
FEED TO ROW #1 SCALP/SIFT #1 SCALP #2 SIFT

CRIPPEN PRO SERIES MIDDLE SHOE PRODUCT FLOW COMBINATIONS



PARALLEL FEED TO ROWS 3 & 4

PARALLEL SCALP

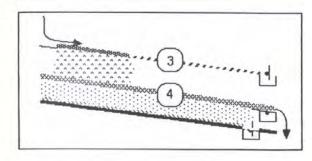


FEED TO ROW #3

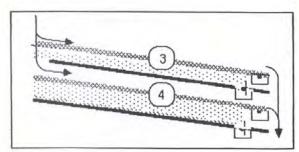
DOUBLE SCALP

#3 ROUGH SCALP

#4 CLOSE SCALP

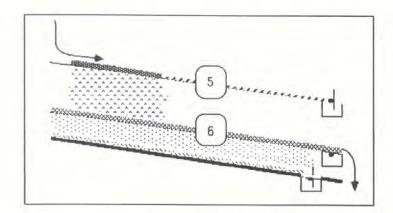


FEED TO ROW #3 SCALP/SIFT #3 SCALP #4 SIFT

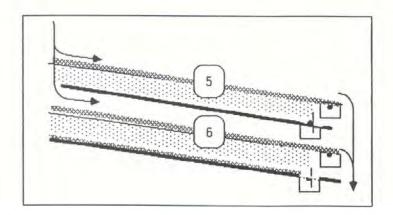


FEED TO ROWS 3 & 4 SIFT/SIFT #3 SIFT #4 SIFT

CRIPPEN PRO MODEL BOTTOM SHOE PRODUCT FLOW COMBINATIONS

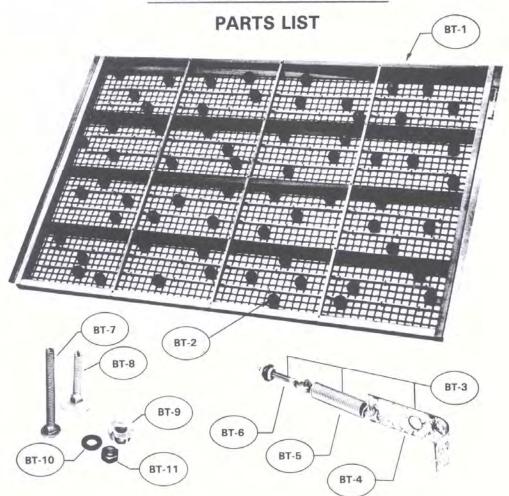


FEED TO ROW #5 SCALP/SIFT #5 SCALP #6 SIFT



FEED TO ROWS 5 & 6 SIFT/SIFT #5 SIFT #6 SIFT

BALL TRAY (Screen Cleaner)



Part No.	NAME	Part No.	NAME	
BT-1	Ball Tray Assembly complete; rubber balls not included. Machine Model No.	BT-3	Spring latch assembly complete; includes latch grip, eye-bolt, and spring.	
	and serial number must be specified.	BT-4	Latch grip	
	Also must specify whether ball tray is for No. 1 top screen, No. 2 screen, etc., and whether it is for the front or rear section of any 2-pc. screen; or front, middle, or rear section of any 3-pc. screen. Refer to the number marked on your present frame, for example "2F", or "4R", etc.	BT-5	Spring	
		BT-6	Eye-bolt	
		BT-7	Adjuster bolt, 5/16" dia., w/small head, slotted end.	
		BT-8	Adjuster bolt, 5/16" dia., w/large head, slotted end.	
		BT-9	"T" nut anchor, 5/16" threads.	
DT 0	Rubber ball, 1-3/8" dia., specify color	BT-10	Flat washer, 5/16".	
BT-2	and quantity.	BT-11	Jam nut, 5/16" threads.	
			BALL TRAY PLATE CRIPPEN MFG. CO. ALMA, MICHIGAN PRINTED IN U.S.A.	



CRIPPEN MFG. CO., INC.

ST. LOUIS, MICHIGAN, U.S.A.

SCREEN LIST

THE FOLLOWING SCREEN PERFORATIONS ARE THE PRINCIPAL SIZES CARRIED IN STOCK.

ROUND HOLES

1/25	1/13 or 5/64	10-1/2/64	16/64 or 1/4	211/2/64	30/64
1/24	1/12 or 51/2/64	11/64	161/ ₂ x 64	22/64	31/64
1/23	6/64 or 3/32	111/2/64	17/64	221/2/64	32/64 or 1/2
1/22	61/, / 64	12/64	171/2/64	23/64	34/64
1/21	7/64	121/2/64	18/64	231/2/64	36/64
1/20	71/2/64	13/64	181/2/64	24/64 or 3/8	38/64
1/19	8/64 or 1/8	131/2/64	19/64	25/64	40/64 or 5/8
1/18 or 31/2 / 64	81/2/64	14/64	191/, / 64	26/64	42/64
1/17	9/64	141/2 / 64	20/64 or 5/16	27/64	48/64 or 3/4
1/16 or 4/64	91/2 / 64	15/64	201/2/64	28/64	56/64 or 7/8
1/15 1/14 or 4¹/ ₂ / 64	10/64	151/2 / 64	21/64	29/64	64/64 or 1"



1/25



1/16 or 4/64



1/12 or 51/2 / 64



7/64



10/64



12/65 or 3/16



16/64 or 1/4



20/64 or 5/16



24/64 or 3/8



TRIANGLE HOLES

Single Spaced Holes



7/64 or 41/, V



8/64 or 5 V



9/64 or 51/, V



Double Spaced Holes







Dia. of inscribed circle is 5/64" (0.078") Called 5/64V or 5V

8/64 TRIANGLE =5/64V(5V)

ALL SIDES EQUAL & MEASURE 8/64"



10/64 or 6 V



11/64 or 61/2 V



12/64 or 7 V

SCREEN LIST

THE FOLLOWING SCREEN PERFORATIONS ARE THE PRINCIPAL SIZES CARRIED IN STOCK

OBLONG HOLES

1/24 X 1/2 3/64 X 5/16 1/22 X 1/2 1/20 x 1/2 31/₉ / 64 X 1/4 OR 1/18 X 1/4 3¹/₂/64 x 1/2 or 1/18 x 1/2 3¹/₂/64 x 3/4 or 1/18 x 3/4 1/17 x 1/2 4/64 x 1/4 or 1/16 x 1/4 4/64 x 1/2 or 1/16 x 1/2 1/15 x 1/2 41/2 / 64 x 1/4 or 1/14 x 1/4 41/2 / 64 x 1/2 or 1/14 x 1/2 4-7/8/64 x 3/4 5/64 x 1/4 or 1/13 x 1/4 5/64 x 1/2 or 1/13 x 1/2 101/2/64 x 3/4

5/64 X 3/4 OR 1/13 X 3/4 51/2 X 1/4 or 1/12 X 1/4 5¹/₂/64 X 1/2 or 1/12 X 1/2 5¹/₂/64 x 3/4 or 1/12 x 3/4 6/64 X 1/2 or 3/32 x 1/2 6/64 x 3/4 or 3/32 x 3/4 61/_o / 64 x 1/2 or 1/10 x 1/2 61/2/64 x 3/4 7/64 x 3/4 71/2/64 x 3/4 8/64 x 3/4 81/2/64 x 3/4 9/64 x 3/4 91/2/64 x 3/4 10/64 x 3/4

11/64 X 3/4 111/2 / 64 X 3/4 12/64 X 3/4 121/_o/64 x 3/4 13/64 x 3/4 131/2/64 x 3/4 14/64 x 3/4 15/64 x 3/4 16/64 x 3/4 or 1/4 x 3/4 17/64 x 3/4 18/64 x 3/4 19/64 x 3/4 20/64 x 3/4 or 5/16 x 3/4 22/64 x 3/4 24/64 x 3/4 or 3/8 x 3/4 32/64 x 3/4 or 1/2 x 3/4

OBLONG CROSS SLOT

7/64 X 3/4 8/64 X 3/4 9/64 X 3/4 10/64 X 3/4 101/2 / 64 X 3/4 11/64 X 3/4 111/₂ / 64 X 3/4 12/64 X 3/4 121/2 / 64 X 3/4 13/64 x 3/4 16/64 X 3/4 17/64 X 3/4 18/64 X 3/4



3/64 X 5/16



41/, X 1/, OR 1/14 X 1/,



6 X 1/, OR 3/32 X 1/,



8 X 3/4



12 X 3/4



16 X 3/4



3/8 X 3/4



1/2 X 3/4



1/8" X 3/4" Oblong -Cross Slot

STAINLESS STEEL WIRE MESH

2 X 10	4 X 14	4 X 20	6 X 18	6 X 25	6 X 36
3 X 12	4 X 15	4 X 21	6 X 19	6 X 26	6 X 38
3 X 14	4 X 16	4 X 22	6 X 20	6 X 28	6 X 40
3 X 15	4 X 17	4 X 24	6 X 21	6 X 30	6 X 42
	4 X 18	4 X 26	6 X 22	6 X 32	20 X 18
	4 X 19	4 X 28	6 X 23	6 X 34	20 X 22
			6 X 24		

SQUARE WIRE MESH

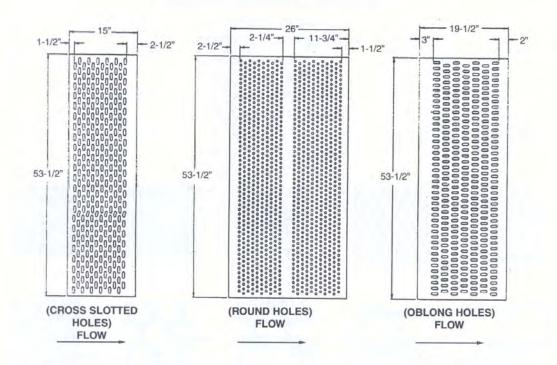
10 X 10	24 X 24	36 X 36
12 X 12	26 X 26	38 X 38
14 X 14	28 X 28	40 X 40
16 X 16	30 X 30	45 X 45
18 X 18	32 X 32	50 X50
20 X 20	34 X 34	60 X 60



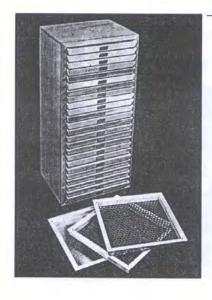


SHEET SIZES

THE FOLLOWING SCREEN PLATES ARE THE PRINCIPAL SIZES CARRIED IN STOCK



*PLATES CAN BE ALTERED TO FIT MOST FRAMES



12" X 12" HAND TEST SCREENS

* AVAILABLE IN ALL PERFORATED AND WIRE MESH SIZES

RACKS

12 SCREENS OR 24 SCREENS

Products & Services Available From Crippen Mfg. Co., Inc.

EQUIPMENT

- PRECISION AIR/SCREEN CLEANERS
 - · PRE CLEANERS ·
 - COMMERCIAL CLEANERS
 - DEBEARDERS
 - · POLISHERS ·
 - · ASPIRATORS ·
 - GRAVITY SEPARATORS
 - · STONERS ·
 - BUCKET ELEVATORS
 - · BELT CONVEYORS ·
 - VIBRATORY CONVEYORS
 - FLAT SCREEN GRADERS
 - LENGTH GRADERS

PARTS

- SCREENS COMPLETE FOR CRIPPEN & MOST OTHER CLEANERS
- PARTS & BALL TRAY CONVERSION KITS FOR ALL MAKES OF CRIPPEN EQUIPMENT
- COATED OVERCOVERS: FOR ALL MAKES & MODELS OF DENSITY EQUIPMENT
- PERFORATED SCREEN PLATES (STOCKED IN 3 SIZES)
- STAINLESS STEEL WIRE MESH SOLD BY LFT (42" WIDE ROLLS)
- . ELEVATOR PARTS: BUCKETS, BELTS, BOLTS, DRUM & WING PULLEYS, VALVES & DISTRIBUTORS
- . DRIVES: BELTS, SHEAVES, BEARINGS, MOTORS
- · FAB WORK: BINS, SURGE HOPPERS, SUB FRAMES
- · AUGERS: HELICOID & SECTIONAL SCREW, UTROUGH, HANGERS, HANGER BEARINGS, ETC.



Crippen Mfg. Co., Inc.

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