



# EXG380 X

GRAIN BAG UNLOADER



## USER'S MANUAL

OPERATION, MAINTENANCE  
AND SPARE PARTS

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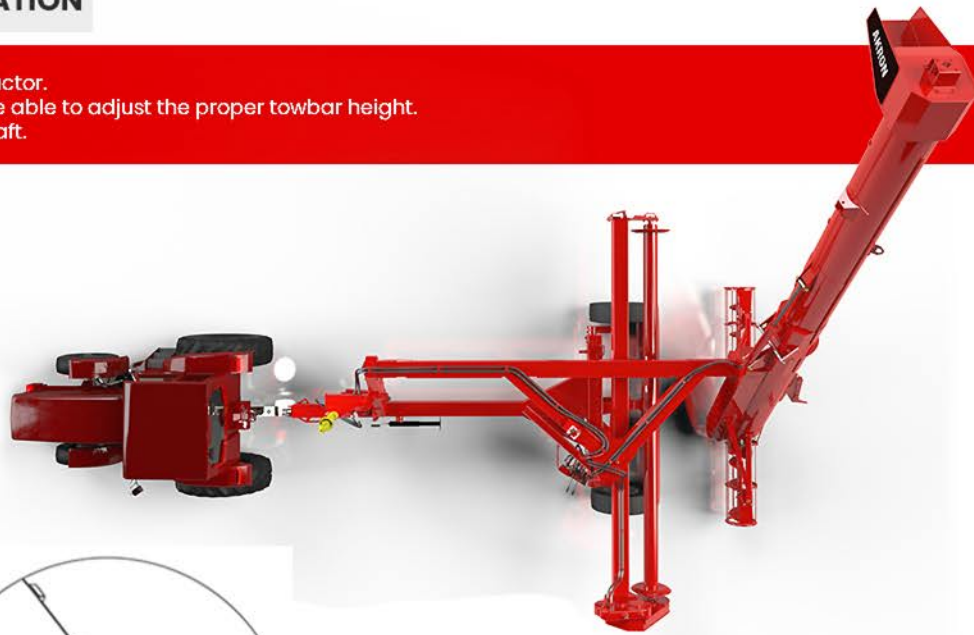
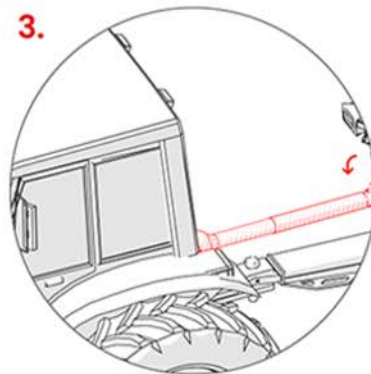
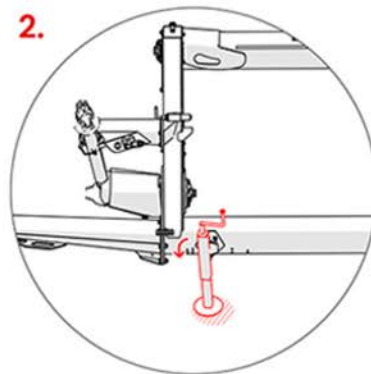
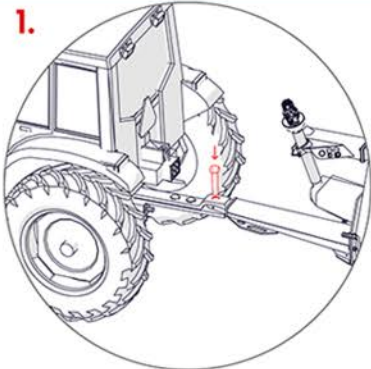


### OPTIONAL

# QUICK GUIDE

## EXG 380 X EXTRACTOR OPERATION

1. Connect the unloader towbar to the tow tractor.
2. Mechanically operate the support leg to be able to adjust the proper towbar height.
3. Stop the tractor and couple the cardan shaft.



4. Center the tractor and unloader on the grain bag

5. Hydraulic fittings admit only one coupling position. If the circuit fails to work, hydraulic fittings should be inverted.
6. Pull up the spring-loaded locking pin at the front of the chassis to release the roller. Then, swing the roller into operating position and put down the supporting arm to lock it.



WORKING HEIGHT // 100/120 mm ↓

Ground clearance should be between 100 mm and 120 mm (when working on irregular terrain ground clearance should be higher to prevent grain bag damage).

8. Move the AUGER lever (located in the hydraulic commands).
9. Clean the area below the auger. Move the ROLL lever to start operating
10. (located in the hydraulic commands).

AUGER

ROLL



**11.** To pause operation it is necessary to stop roller rotation first and then auger rotation. To start the unloading process it is necessary to proceed the other way round.

**12.** Grain pusher position. When normal operation is taking place, the grain pusher should be placed at 100/150 mm."



**13.** At 1 m from the end of the bag it is necessary to:

Decrease the roller speed



Lower ground clearance until the machine is almost touching the ground.



Place the grain pusher against the tube.



14. Before the grain bag breaks. lift the machine



3. Activate and deactivate the roller in an intermittent way to allow the augers to extract the remaining grain. Example, **A.** Auger extracting grain - Deactivate the roller **B.** Empty auger - Activate the roller

15. Keep the auger rotating for about 2 to 3 minutes without having the roller rotating. Keep moving forward until the grain bag fully breaks. "



16. Finally, disengage the roller. It should move freely. Drive the tractor forward slowly until the bag is fully unrolled.



## INTERRUPTIONS IN EXTRACTION

If it is necessary to pause the extraction once the truck or trailer is full, follow these instructions:

1. ALWAYS interrupt first the hydraulic system (that is, stop the roller rotation). When the hydraulic system is paused, the tractor driver should be ready for the tractor-unloader combination to stop to prevent any damage due to inertia.
2. Then, keep the augers rotating for a few seconds to decompress the grain bag. This way overloads can be prevented when restarting the operation.



3. Finally, after those few seconds interrupt the cardan shaft transmission of power. It is very important to always follow the indicated order for this procedure. Otherwise, the bag would continue to be wound up without grain extraction, which could cause damage and / or breakdowns to the machine.

## RECOMENDACIONES

To restart the extraction process, the order of the instructions should be inverted, that is, first operate the augers and last the hydraulic system. If the hydraulic system is not working even when the hydraulic fittings are properly connected, check that the speed control valve is not closed. For travel, place the cylinder stop (longer) on the cylinder rod and release the roller holder spring-loaded locking pin.

Once the working height has been adjusted, fix that position with the shorter stop (EXG 380X) and the rod threaded stop.

Check the oil level on gearwheels (SAE 80w-90).

After unloading 2 grain bags, tighten and lubricate the chains.

Change the cutting knife when not working properly.

The remaining grain at the end of the bag unloading process will depend on the bag closure method.

When cutting the grain bag, it is important to always make a horizontal cut first before any vertical cuts are made.



Check our website for further information on the schedule of MANUALS AND SPARE PARTS:

<https://akrongrainbagging.com/>

You can also find a QR code (and a password) to access our website, in your AKRON machine.



# SAFETY

Safety aspects for the operator, for third parties and for goods in the surrounding area.

## START

Even though the machine's operation is simple and safe, it is essential that all grain cart loading, unloading and transport operators and supervisors have an in-depth knowledge of the contents of this user's manual. In this way, situations of danger will be avoided for the operator, for third parties and for goods in the surrounding area.

There must be a written record of when the operators are trained in every detail of the machine's operation.



### 3-A. ATTITUDE TOWARD SAFETY

The most important factor for preventing accidents of any kind is

- The positive attitude
- As well as following the manufacturer's recommendations
- the habit must be developed of foreseeing and analyzing every possible contingency

### 3-B. "ATTENTION" SYMBOL AND SIGNAL WORDS

Throughout the present manual, the "Attention" symbol is used to indicate risk situations for the operator, the machine, other equipment or other people.



#### DANGER:

This identifies an imminent hazardous situation



#### WARNING:

This identifies a potential hazardous situation



#### IMPORTANT:

This describes a particular situation where the machine could be damaged or its normal operation could be affected.



Tractor Driver	Machine operator
	1
2	2
3	3



1



2



3

### 3-C. PERSONAL PROTECTIVE EQUIPMENT

AKRON S.A. recommends the use of the following Personal Protective Equipment in order to avoid any possible injury:

### 3-D. SAFETY WARNINGS

On different parts of the machine and on its accessories you will find decals with accident prevention symbols, which must be considered as part and extension of the instructions detailed in this manual. Special care must be taken to ensure these decals are present and legible during the entire working life of the machine.

If for any reason any of these gets lost or becomes illegible through wear, it is important to substitute it immediately indicating its corresponding code. To ask for a replacement decal, please contact either the manufacturer using the information given in 4-b. "Contact information", or your local Technical Representative.

### 3-E. RISK ANALYSIS

The risk situations that typically arise during the operation of this machine are detailed below. Recommendations are made that are of vital importance for the safety of the machine operators, of other workers nearby, and the machine itself.

The pictograms used are taken from IRAM standard 8075 "Tractors, agricultural and forestry and green space maintenance machinery - Safety signs and hazard pictograms - General principles and features". For more details, their location on the machine is shown in the following picture.

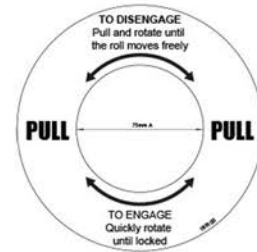
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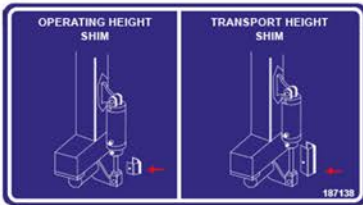
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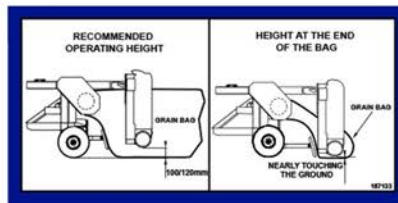
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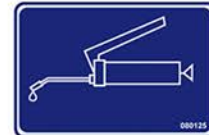
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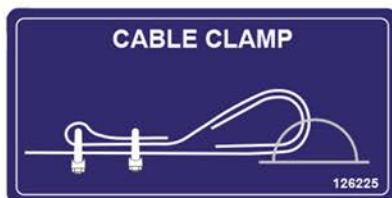
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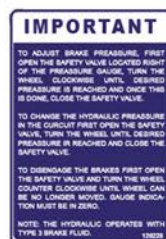
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**IMPORTANT**

CHECK AND RETIGHTEN SCREWS AND NUTS ON THE MACHINE AFTER THE FIRST OPERATING HOURS. AFTERWARDS, REFER TO THE OPERATOR'S MANUAL.

LUBRICATE GREASING POINTS AND CHAINS BEFORE STARTING THE MACHINE. AFTERWARDS, REFER TO THE OPERATOR'S MANUAL.

114158

98.682.114187

**WARNING**



BEFORE DISCONNECTING THE MACHINE FROM THE TRACTOR, CHECK THE SUPPORT LEG IS INSTALLED.

114187

98.682.126750

**WARNING**

When parking pointing down a slope or against it, the prake must always be applied, or otherwise the machine will move.

126750

# RECEIVING THE MACHINE



The grain extractor **AKRON®** modelo **EX6 380 X** is delivered almost ready for operation. Only a number of verifications related to transport issues must be taken into account upon receiving the machine.

- 4 All the machine components must be checked to be present and in good operating conditions and all the mechanisms should be operative.
- 5 All the safety guards and protections should be present and in good conditions (e.g., the lifting auger lock pin, the drawbar cover, etc.)

#### 4-A. IDENTIFICATION OF YOUR SELF-UNLOADING GRAIN CART

When ordering replacement parts or requesting technical assistance or information, always provide the following details for product identification purposes:

- Model
- Mass (kg)
- Serial #

This information is engraved on the identification plate.

**NOTE:** The data, specifications and illustrations in this manual are based on the information available at the time it was written. Due to the continuing improvements in the design and manufacture of AKRON® products, AKRON S.A. reserves the right to modify components and/or specifications without prior notice. Figures are only for illustration purposes, no measures should be taken on the drawings.



#### 4-B. CONTACT INFORMATION

**AKRON S.A.**

Rosario de Santa Fe 2256  
X2400EFN - San Francisco (Córdoba)  
ARGENTINA

**CONTACT US :** 0800 333 8300

**SALES:** +54 9 3564 435900 / ventas@akron.com.ar

**SPARE PARTS:** +54 9 03564 436777 - +54 9 3564 572816 - repuestos@akron.com.ar

**TECHNICAL ASSISTANCE:** +54 9 3564 572642 - serviciotecnico@akron.com.ar

**ADMINISTRATION:** +54 9 3564 330120 - admi@akron.com.ar



# PREPARATION AND SETUP



**SCAN ME**

TO WATCH THE ANIMATION

## 4-C. OPERATING PRINCIPLE

The main functions of the machine are described below, as well as the elements used to perform each of them.

<b>Function</b>	Fastening System	Grain Bag winding up	Grain bag longitudinal cut (slash) during motion.	End of Bag	Unwinding
<b>Related component or system</b>	Roll Pins	Roll driven by a hydraulic motor. Auger driven by a tractor power take-off (PTO).	Cutting blade	Load speed-up Pusher (Grain Pusher System) driven by a hydraulic motor.	Roll driven by a hydraulic motor.

WATCH ANIMATION - PREPARATION AND SETUP

WATCH ANIMATION - RECOMMENDATIONS TO FACILITATE THE EXTRACTION



**SCAN ME**

TO WATCH THE ANIMATION

# RECOMMENDATIONS TO MAKE EXTRACTION EASIER



# SETUP FOR EXTRACTION

## GENERAL COMMENTS ON THE STORAGE IN GRAIN BAGS

AKRON S.A. includes in the present manual a number of recommended operating rules based on the experience gathered from several rural producers. Therefore, it must be noted that both the order and the details of each one of the explained operations and procedures should be respected, since the success of the extraction operation.

### 6-B. STARTING THE OPERATION.

With the machine and the grain bag prepared as explained in the previous section, the extraction can be started, taking into account the following steps: The following figure shows the layout of all the equipment involved in the extraction process.



Check that the unloading tube is oriented towards the grain transport vehicle.

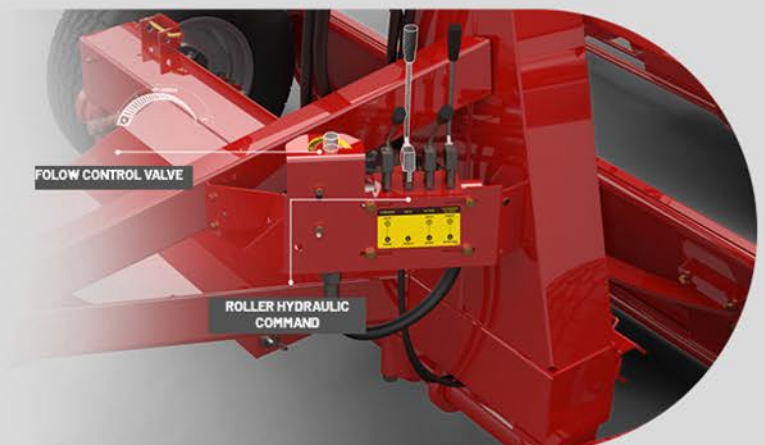


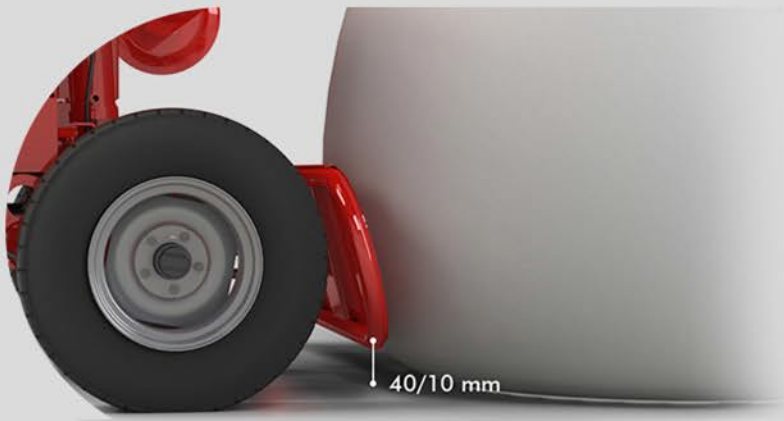
1

Engage the cardan shaft and gradually increase the PTO speed until reaching 540 rpm.

2

Operate the roller hydraulic command to start winding up the grain bag (like in the quick guide). Grain will start to flood the cross-augers to then flow up through the vertical auger until the reaching the discharge spout. Finally, it will fall into the transport vehicle. Use the flow control valve to gradually increase the speed until the desired working pace is reached. The idea is to reach a proper speed to achieve a good performance. Excessive speed can cause grain build-up by the roller. flow control valve roller hydraulic command

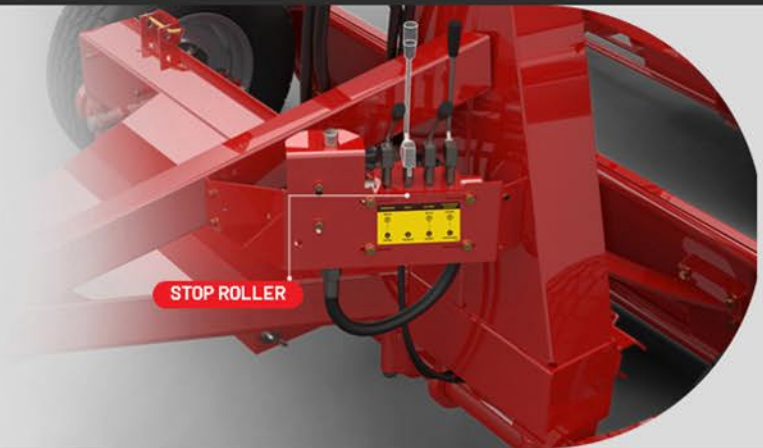




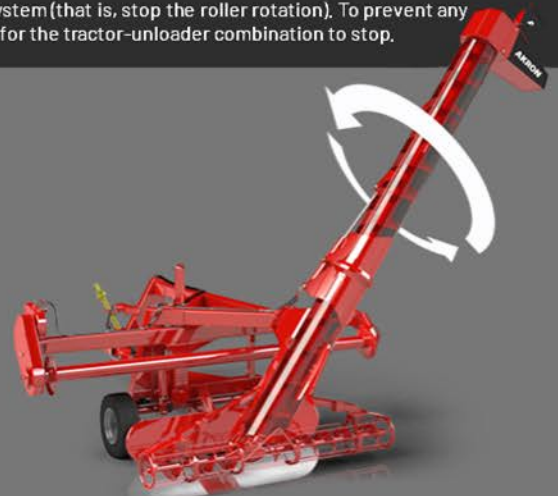
3

Check that the grain pusher ground clearance is not higher than 40 mm and lower than 10 mm. If necessary, use the hydraulic command to adjust the height and set it with the height cylinder nut.

#### PAUSE OPERATION



4 If the grain bag unloading process needs to be paused, ALWAYS interrupt first the hydraulic system (that is, stop the roller rotation). To prevent any damage due to inertia, when the hydraulic system is paused, the tractor driver should be ready for the tractor-unloader combination to stop.



5 Then, keep the augers rotating for a few seconds to decompress the grain bag. This way overloads can be prevented when restarting the operation.



**!** It is very important to always follow the indicated order for this procedure. Otherwise, the bag would continue to be wound up without grain extraction, which could cause damage and/or breakdowns to the machine. Bear in mind that, depending on the condition of both the grain bag and grain, it is possible to increase the roller speed to achieve the best unloading capacity.



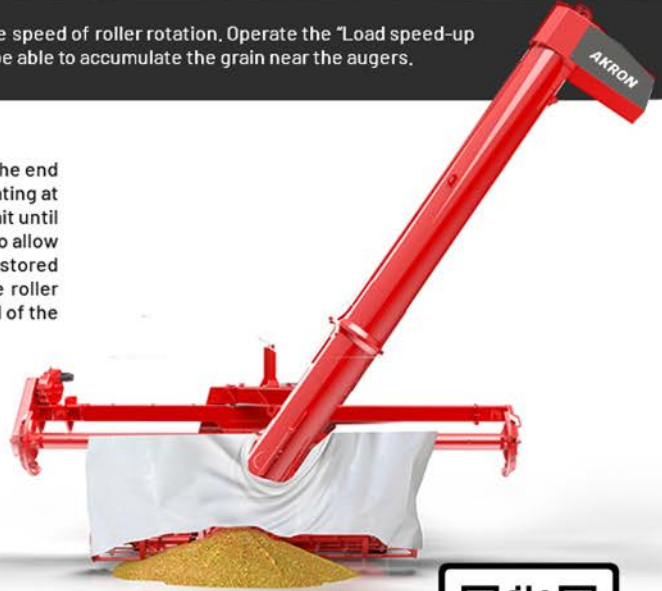
#### REACHING THE END OF BAG

It is significant to reach the end of the grain bag with the unloader as centered as possible



When reaching the end of the grain bag (two last meters), decrease the speed of roller rotation. Operate the "Load speed-up Pusher" command to place the grain the cross-augers as possible and be able to accumulate the grain near the augers.

Let the machine move forward until the grain bag fully breaks. This is the end of the procedure. In case the grain bag breaks when the augers are rotating at 540 rpm, interrupt the roller operation with the hydraulic command. Wait until the augers are free from grain; then, move the grain pusher forward to allow the extraction of the remaining grain. Place the pusher back to the stored position to reduce pressure of grain against the bag and restart the roller operation with the hydraulic command. It is significant to reach the end of the grain bag with the unloader as centered as possible.



#### END OF THE UNLOADING PROCESS AND BAG REMOVAL

\*To finish the unloading process and remove the grain bag operate the roller in the opposite direction. This will help to release pressure from the grain bag. Within the roller drive, there is a system to disengage the roller clutch. For instructions on how it works, refer to the animation.

This way, the roller can move freely allowing the bag to be unrolled. If necessary, grasp the bag while being unrolled.

- 1 To disengage the roller, open the roller drive door.
- 2 Pull on the handles and rotate it until it locks in the open position.
- 3 Drive the tractor forward until the bag is fully unrolled.



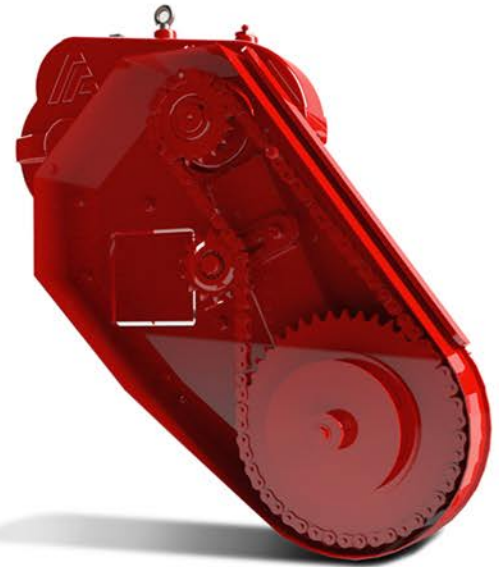
SCAN ME

TO WATCH THE VIDEO



# MAINTENANCE

CARE PROCESSES FOR THE CORRECT OPERATION OF THE MACHINE



## 7. MAINTENANCE PROGRAM

Due to the simplicity of this machine's mechanisms, the only necessary maintenance tasks are the ones detailed below. They are based on a normal machine operation.

### 7-A. MAINTENANCE SCHEDULE

Maintenance tasks that should regularly be performed are detailed in the attached tables. The effectiveness of the proposed maintenance program depends on the written records of every single activity performed on the machine.

ASSEMBLIES		NUMBER OF BAGS										
		2	10	20	30	40	50	60	70	80	90	100
GENERAL	TIRES	CHECK		CHECK		CHECK		CHECK		CHECK		CHECK
	KNIFE TO CUT THE BAG	CHECK	CHECK	CHECK	CHECK	CHECK	CHECK	CHECK	CHECK	CHECK	CHECK	CHECK
	RIMS BOLT TIGHTENING	TIGHTEN										TIGHTEN
	STRUCTURE BOLT TIGHTENING	TIGHTEN					TIGHTEN					TIGHTEN
	WHEEL HUB TIGHTENING		TIGHTEN									CHECK
AUGERS	VERTICAL AUGERS						CHECK					CHECK
	UNLOADING AUGERS						CHECK					CHECK
	HORIZONTAL AUGERS						CHECK					CHECK
	HORIZONTAL AUGER COUPLINGS						CHECK					CHECK
	PRIMARY VERTICAL AUGER COUPLER						CHECK					CHECK
TRANSMISSION	ANGULAR GEARBOX + SQUAD	OIL LEVEL AND GREASE					OIL LEVEL AND GREASE					OIL REPLACEMENT
	1ST FRONT CHAIN	TIGHTEN GREASE	TIGHTEN GREASE				TIGHTEN GREASE					CHECK GREASE
	SQUAD BOX	OIL LEVEL	OIL LEVEL				OIL LEVEL					OIL REPLACEMENT
	ROLL CHAIN	TIGHTEN	TIGHTEN				TIGHTEN					TIGHTEN
	GRAIN BAG ROLL	GREASE	GREASE				GREASE					GREASE
	FRONT CARDAN SHAFT	GREASE	GREASE				GREASE					CHECK
	REAR CARDAN SHAFT	GREASE	GREASE				GREASE					CHECK GREASE



ASSEMBLIES	NUMBERS OF BAGS												
	2	10	20	30	40	50	60	70	80	90	100		
BEARINGS AND HOLDERS	FRONT INLET SHAFT BEARING HOLDER	GREASE				GREASE						GREASE	
	FRONT TRANSMISSION UPPER BEARING HOLDERS	GREASE				GREASE						GREASE	
	REAR TRANSMISSION UPPER BEARING HOLDER	GREASE				GREASE						GREASE	
	CENTRAL DOUBLE STRAND SPROCK BEARINGS (REAR TRANSMISSION)	SHIELDED BEARINGS											
	BEARINGS IN THE FRONT AND REAR TRANSMISSION TENSIONERS	SHIELDED BEARINGS											
	HORIZONTAL AUGER BEARING HOLDERS	GREASE				GREASE							GREASE
	PRIMARY VERTICAL AUGER COUPLER BEARING HOLDER	GREASE				GREASE							GREASE
	SECONDARY VERTICAL AUGER BEARING HOLDER	GREASE				GREASE							GREASE
	GRAIN BAG ROLL BEARING HOLDERS	GREASE				GREASE							GREASE CHECK
	WHEEL HUB BEARING	GREASE	TIGHTEN			GREASE							GREASE
	WHEEL HUBS REAR BEARING SUPPORT	GREASE				GREASE							GREASE

HYDRAULICS	PUNTERAS ACOLPES RÁPIDOS	CONTROL		CONTROL		CONTROL		CONTROL		CONTROL		CONTROL
	MANGUERAS HIDRÁULICAS											CONTROL
	CILINDRO HIDRÁULICO DE ALTURA											CONTROL
	CILINDRO HIDRÁULICO DE ACELERADOR DE CARGA											CONTROL
	CILINDRO HIDRÁULICO DE TUBO VERTICAL SECUNDARIO											CONTROL
	MOTOR HIDRÁULICO DE CAJA REDUCTORA DEL ROLO											

**Frequency:** Daily or before beginning any working day

Condition to verify	Normal situation	Correction method
General machine condition.	Free movements in general, reasonable cleanliness of the main components.	Eliminate the causes of possible restrictions imposed on the movements; remove any dirt that could hinder the machine's operation
Condition of the vertical auger and horizontal augers	Free from obstructions or excessive dirt	Eliminate possible obstructions or dirt located inside the tube or on the horizontal augers
Tyre pressure	Between 35 and 40 lb/in <sup>2</sup> (2,5 and 2,8 kg/cm <sup>2</sup> ).	Adjust tyre pressure.

## 7-B. MAINTENANCE AFTER RECEIVING THE MACHINE

After some 30 hours of continuous operation, it is essential to re-tighten all the machine's screws using the following torque values recommended for SAE grade 5 zinc plated screws:

Size	Torque [ kgm - N.m (ft.lb) ]
1/ 4" - 20	0,96 - 9,5 (7,03)
5/16" - 18	2,03 - 20 (14,81)
3/ 8" - 16	3,61 - 35,5 (26,29)
7/16" - 14	5,81 - 57 (42,22)
1/ 2" - 13	8,86 - 87 (64,44)
9/16" - 12	12,74 - 125 (92,59)
5/ 8" - 11	17,58 - 172 (127,77)
3/ 4" - 10	31,29 - 307 (227,40)

### Specific torque

#### \* Stud bolts

Size	Torque [ kgm - N.m (ft.lb) ]
1/2" NF	14,28 - 140 (103,70)

#### \* Towar

Size	Torque [ kgm - N.m (ft.lb) ]
5/8" RW	19,38 - 190 (140,73)

### 7-C. PARTS BREAKDOWN FOR REPAIRS.

All the extractor movable part breakdowns are detailed in this manual with the related spare part lists. The user will be able to: disassemble, change, and, at a later time, reassemble each assembly and subassembly included as from page 61 (transmission, rolling system, primary vertical auger, secondary vertical auger, mechanical jack, square drive gearbox, reduction gearbox, load speed-up pusher, hydraulic circuit).

### 7-D. LUBRICATION

The use of lithium grease # 2 NLGI 2 is recommended for the lubrication ports and SAE 80W90 oil is recommended for the gearboxes. (\*) Check chain tension every time chains are lubricated, and correct in any case as necessary.

### 7-E. PREVENTION OF WEAR ON FLEXIBLE PIPES

Take into account the following items for a better use and care of the flexible pipes included in the machine:

- 1 · Visually inspect the hydraulic circuit hoses and accessories related to the flow gate operation and to the folding/unfolding of the auger tube. They should not have leakages. Keep them from touching sharp objects. Do not tread on hoses and keep them from being strangled.
- 2 · Check that the helical tape covering the hydraulic circuit is in good condition, since it is meant to prevent fluid from hitting the operator if a pipe brakes.

**WARNING:** Avoid leakage of fluids underpressure.

**IMPORTANT:** To grease objects that are at a certain height, use a ladder or any other auxiliary device

### 7-F. TIRE CHANGE

Complete the following steps:

- 1 · Slightly loosen the wheel nuts.
- 2 · Lift the machine using a mechanical or hydraulics jacks.
- 3 · Once the grain extractor has been lifted, install the assembled wheel and the five wheel nuts (Parts List # 8). Tighten the nuts using a 21-mm hexagonal wrench until a final tightening torque of 9kgm 90 Nm = 65 lbs. pie.

# GUARANTEE TERMS



## 11. GUARANTEE TERMS

TERMS AKRON S.A. guarantees the AKRON® EXG 380 X mechanical grain extractor for a one-year period since the date in which the new unit is delivered to the customer. If the AKRON® EXG grain bag unloader is used at storage sites and/or for machine rental, the guarantee period will be limited to 90 days from the delivery date. This guarantee covers defects in materials used to manufacture the machine, provided that the grain bag unloader has been properly operated. The operating procedures considered appropriate are those described in this manual.

### This guarantee does not cover the following:

Damages or failures as a result of improper operation or lack of machine maintenance that may occur during transport, operation, or parking from the delivery date. Tires are warranty of the tire manufacturer Normal wear of parts due to their use. Their replacement is part of the preventive maintenance .

. AKRON S.A. is not responsible for any repair made by third parties, or damages resulting from this cause

. AKRON S.A. reserves the right to modify specifications and designs without previous notice and without the obligation to implement these changes in the machines already delivered.

For a good machine performance, AKRON S.A. recommends meeting the following conditions:

Dry, clean grain (13,5% moisture content at reception),

Undamaged bag (without mechanical damage resulting from hail, stubble or animals).

It has been noticed that the machine performance decreases when storing hulled grain since there are different degrees of abrasion.

Therefore, some grains will flow less smoothly than others.

Damages caused during machine operation by any person whose abilities are affected or reduced will not be covered.

If the machine is sold by the first owner within the guarantee term validity, this will be transferred to the new owner, provided that Micron Fresar S.R. is advised by written notice. Such guarantee will not be valid if the current owner of the machine (not being the original buyer of the product) has not advised AKRON S.A. in due time.

The guarantee will automatically become invalid if any of the parts of the machine is modified or replaced by spare parts not provided by AKRON S.A. If such replacement or structural modification was urgently necessary, the user must obtain written approval from AKRON S.A. to make such changes without affecting these guarantee terms.

In order for the guarantee to come into force, it is an essential condition to submit a request for guarantee repair together with the following information:

Name:

Date in which the damage occurred:

City:

Phone Number:

Machine Model:

Serial Number:

Invoice Number:

# SPECIFICATIONS

## TECHNICAL DETAILS OF THE EXG 380 X GRAIN EXTRACTOR

### Tare :

9' : 2300 kg

10' : 2540 kg 5644 lb

### Working Capacity:

280 tn/hr

### Operation:

67.10 kw (mínimo 90 HP).

### 9-feet bags

(with option to 10 feet).

### Auger Tube:

Ø 430 mm

### Horizontal Auger:

Ø250mm

### Recommended operating height:

100/120 mm

### Height Adjustment:

Enough to absorb the hitch variations.

### Tractor PTO speed:

540 v/min

### Tires:

265/70R16

### Acceptable tires:

265/70-16 - 215/80-16" - 235/70-16"

### Hydraulics: Minimum flow 45 l/m (9,9 gal)

Pressure 180 to 200 BAR.(2610 - 2900 psi).

### Dimensions

(ØT) Auger Tube Diameter: 430mm

(A) - Horizontal Auger Width: 3050 mm

(R) - Roll Width : 4900 ML

(AT) - Transport Width: 2530 mm

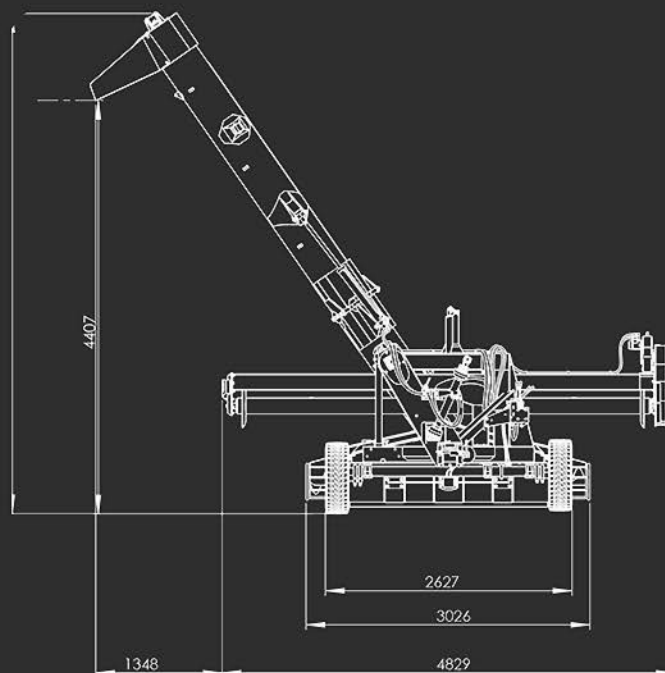
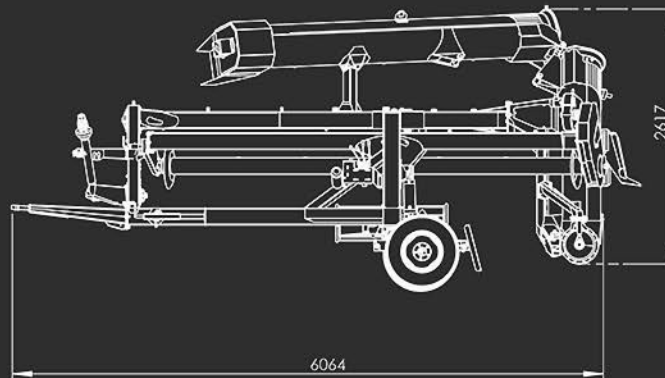
(LT) - Transport Length: 6000 mm

(C) - Side clearance: 1350 mm

(D) - Operating Height Clearance: 4500 mm

(H) - Transport Height: 2850

(HT) - Operating Height: 5500



# PARTS

## SUBJECT TO NORMAL WEAR AND TEAR:



Ordinary maintenance and spare parts replacement services of the parts detailed below are the equipment owner's exclusive responsibility, therefore, they will not be considered defects in material or manufacturing, but rather defects due to normal wear and tear; improper operation or insufficient equipment maintenance.

- Chains
- Augers
- Bearings
- Articulation Bushings
- Oil
- Wheels
- Sprockets
- Brake System ( brake pad ; shoe linings)
- Wear due to grain friction

### PARTS SUBJECT TO IMPROPER OPERATION OR INSUFFICIENT MAINTENANCE

Using the gearboxes without normal oil level or not complying with the transmission inlet specifications described in the user's manual.

Altering the maximum inlet torque (shear bolt system on PTO).

MACHINE	MAXIMUM ALLOWED INLET TORQUE	PROBABLE CAUSES THAT CAN ALTER THE MAXIMUM ALLOWED TORQUE
EXG 380 X UNLOADER	1860 N/m	Replacing the PTO's shear pin with a different bolt specification. Using a PTO that exceeds the maximum torque allowed by the machine.

Wheel nuts: After around 30 hours of running or after changing a wheel, wheel nuts must be retightened according to the torque values detailed in the manual  $9\text{kgm} = 90\text{ Nm} = 65\text{ lbs. pie - point } 7\text{.f.}$   
Special care should be taken to the wheel nuts tightening if the machine has moved over paths or roads.  
Failure to follow these instructions may cause rim damage or loss of it.

# OPTIONAL

## EXG 380 X

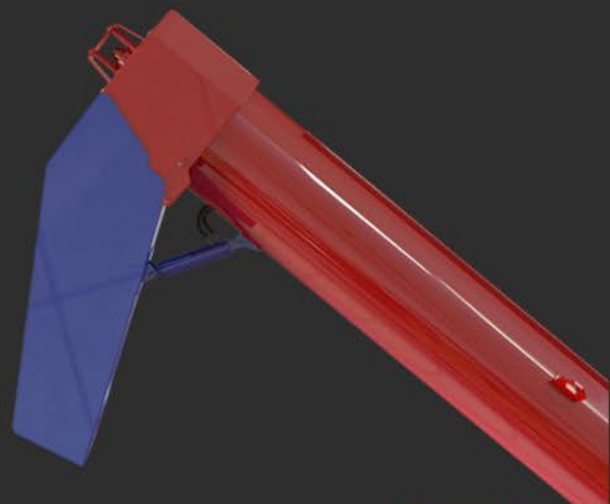


### JACKETED TUBE

Longer working life of unloading tubes. Both primary and secondary tubes can be jacketed. It is recommended if you want to give extra protection to the tube against surface wear caused by grain.

### HYDRAULIC SPOUT

It is possible to discharge grain to different directions thus allowing a better distribution of grain in the grain cart or truck.



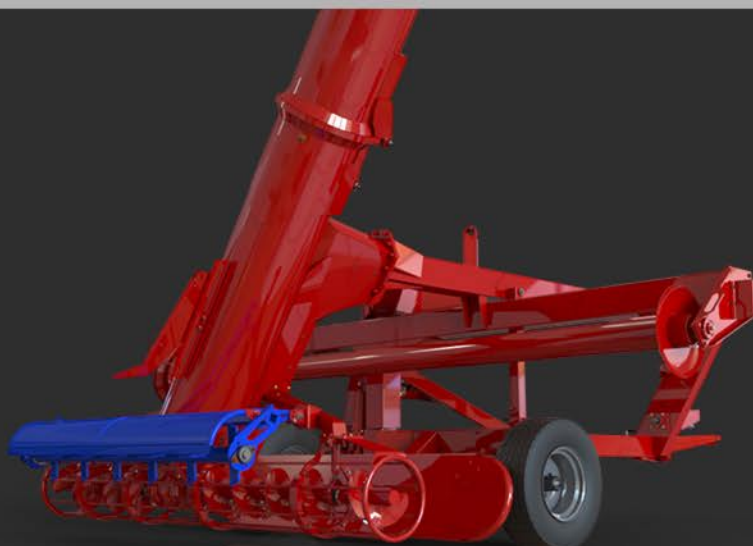
### PUSHER EXTENSION KIT

A longer pusher allows an easier unloading task in case of tough grain. It makes it easier to fully empty the grain bag. This feature is a good complement to the Wet Grain Kit.



### GRAIN STIRRER KIT

It is possible to work with wet grain as well as tough grain. The unloader will fill with grain and extraction will be successful. The stirrer pushes the grain towards the unloading augers. It is driven by a hydraulic motor.





#### FREE PROTECTION KIT

This feature completes the line of options for tough grain. The purpose of this kit is to keep the unloading augers free from grain obstructions.

#### RICE KIT



This kit comprises the Free Protection Kit, the Grain Stirrer Kit and a Rear Auger. It has the same purpose as the grain stirrer, but in the rear end grains are pushed towards the augers. Designed to work according to rice conditions, it grants greater speed to the unloading process.

Based on the needs of rice extraction, the idea is to contribute with the unloading

#### KIT DE GRANO HÚMEDO



Same components and performance as in the Rice Kit. The difference is that, as this kit is designed to work with wet grain, it contributes with strength.



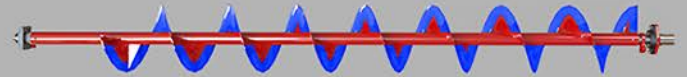
#### KIT 10'

It makes it possible to unload 10-foot bags. It includes auger extensions and grain deflectors that make the task easier.



#### CASE HARDENED AUGER

Extiende la vida útil del consumible sinfín. Aumenta la dureza de la superficie y mejora la resistencia al desgaste y a la fatiga.



#### CASE HARDENED AUGER RICE KIT

