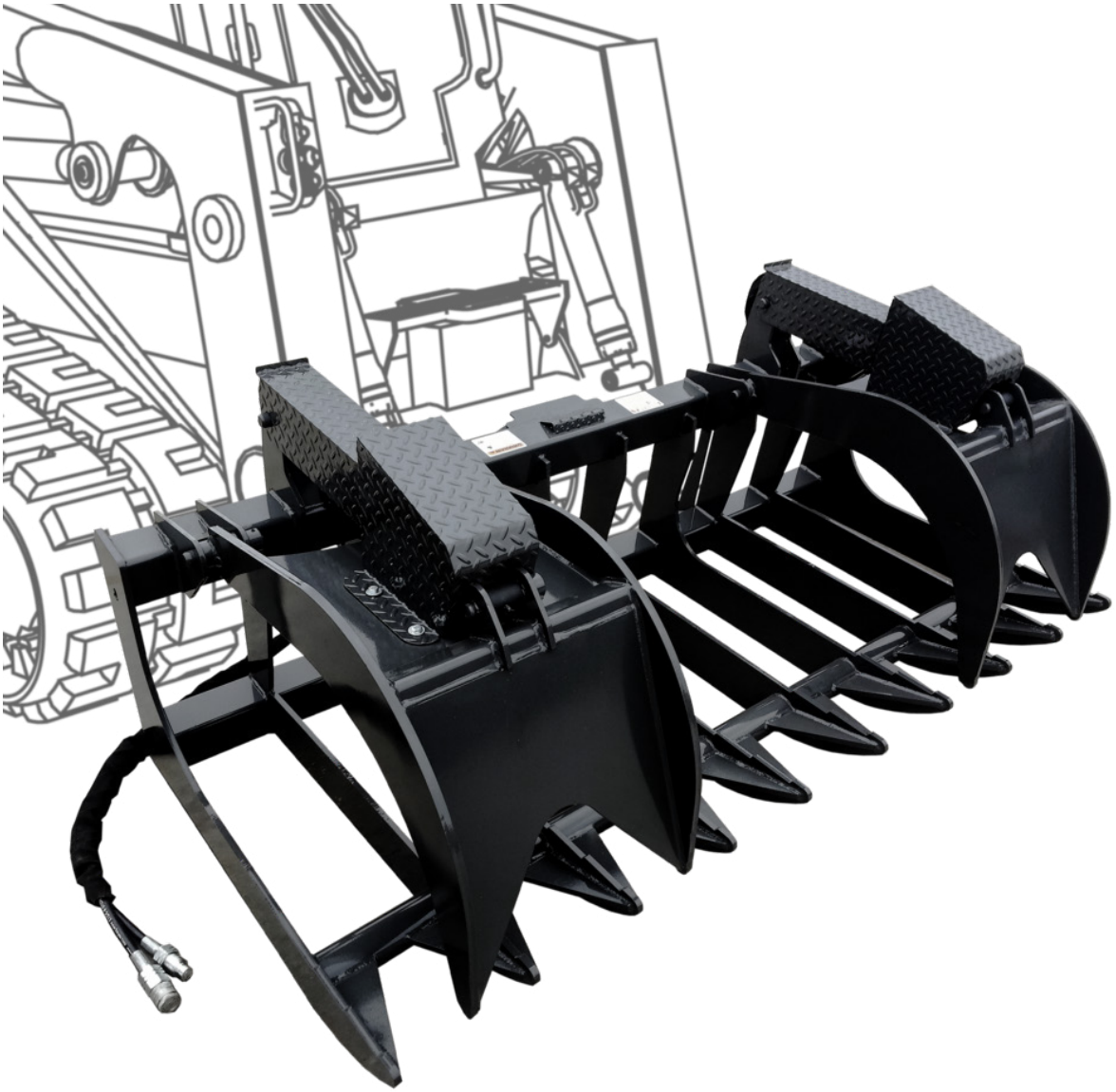
CID ATTACHMENTS

GRAPPLES

OWNER'S MANUAL



BUCKET GRAPPLE	MANURE FORK GRAPPLE	ROCK GRAPPLE	STUMP GRAPPLE
DEMOLITION GRAPPLE	RAKE GRAPPLE	ROOT GRAPPLE	MINI GRAPPLE

AUG
2026

OPERATING INSTRUCTIONS| SAFETY RULES | MAINTENANCE PROCEDURES

REGISTER YOUR PRODUCT

CID

336-859-2002

MODEL		WEIGHT	
PART		HP RANGE	
SERIAL			
HYDRAULIC PRESSURE		HYDRAULIC FLOW	

WWW.CIDATTACHMENTS.COM

Please see the inside of the back cover for instructions of where to find your model and serial number.

⚠WARNING

To prevent personal injury or even death, be sure you read and understand all the instructions in this manual and other related OEM equipment manuals! This attachment, if not used and maintained properly, can be dangerous to users unfamiliar with its operation. Do not allow operating, maintaining, adjusting, or cleaning of this attachment until the user has read this manual and has developed a thorough understanding of the safety precautions and functions of the unit. This attachment is designed for the purpose specified. DO NOT modify or use this attachment for any application other than that for which it was designed. Attachments maintained or operated improperly or by untrained personnel can be dangerous, exposing the user and/or bystanders to possible serious injury or death.

Purchase Date:	
Dealer Name:	
Address:	
Phone Number:	

WELCOME

Thank you for choosing CID. This attachment has been designed and manufactured to meet the needs of discerning users. We are committed to providing you with a heavy duty product that will provide years of satisfaction and safe operation.

This manual will provide instructions on how to safely operate and maintain this attachment. All users must read and understand this manual before operating this machine. Upon reading this manual, all users should sign the “Safety Acknowledgment Form” at the end of this manual.

Please record your model and dealer information on the inside front cover. You will be asked to provide this information when ordering parts or requesting service. If you need more information on this product, contact your local dealer or visit *www.cidattachments.com.*

Sincerely,

The CID Team

Reproduction With Permission Only, CID, INC. All Rights Reserved. This manual may not be reproduced or copied, in part or in whole without written permission.

TABLE OF CONTENTS

INTRODUCTION.....3

WARRANTY DISCLAIMERS.....5

SECTION 2 GRAPPLE MODELS
2.0 Buckets Grapples.....6-7
2.1 Demolition Grapples.....8
2.2 Fork Grapple.....8-9
2.3 Rake Grapples.....10-11
2.4 Rock Grapples.....12-13
2.5 Root Grapples.....13-15
2.6 Stump Grapples.....15

SECTION 3 SAFETY INFORMATION
3.0 Safety Terms.....16
3.1 Safety Symbols.....17-18
3.2 Safety Decals.....19-20
3.3 Skid Steer Tractor Requirements.....21
3.4 Personal Protective Equipment Requirements.....21
3.5 General Safety Instructions.....22
3.6 Federal Laws & Regulations.....23

SECTION 4 OPERATING PROCEDURES
4.0 Unpacking Your Grapple.....24
4.1 Pre-Operating Checklist.....24
4.2 How to Connect Grapple Attachment.....25-26
4.3 Grapple Controls.....26
4.4 Hydraulic System.....27
4.5 Before Using Your Attachment.....27
4.6 Digging Preparation.....28
4.7 Prepping For First Time Use.....29
4.8 Learning Your Attachment.....29-30
4.9 Operating Guidelines.....30-31
4.10 How To Disconnect Grapple.....31

SECTION 5 MAINTENANCE PROCEDURES
5.0 Maintenance Overview.....32
5.1 Maintenance Schedule.....33
5.2 Cutting Edge Removal & Replacement.....34
5.3 Tooth Removal & Replacement.....35
5.4 Maintenance Log Instructions.....36
5.5 Storage Tips.....36
5.6 Torque Specification Table & Instructions.....37
5.7 Equipment Requirements.....37

SECTION 6 TROUBLESHOOTING
6.0 Troubleshooting Chart.....38

SECTION 7 PARTS INFORMATION
7.0 Parts Information Form.....39

SECTION 8 WARRANTY INFORMATION
8.0 Warranty Statement.....40-41
8.1 Warranty Return Authorization Policy.....41
8.2 Warranty Procedure.....42

SECTION 9 SAFETY ACKNOWLEDGMENT FORM.....43

SECTION 10 MAINTENANCE LOGS.....44-46

APPENDIX A FINDING YOUR MODEL AND SERIAL NUMBER.....47

PARTS DIAGRAMS

IMPORTANT WARRANTY DISCLAIMERS

ATTENTION: If your attachment has control valves, cylinders, gearboxes, or motors and they are opened or disassembled, the WARRANTY for that item WILL IMMEDIATELY BE VOIDED!

HYDRAULIC FLUID STATEMENT: Check your machine's hydraulic level and add hydraulic fluid if necessary before each use. Inspect for leaks, and repair if necessary. **Always use your machine's manufacturer recommended hydraulic fluid in your machine**! Fluid must be clean and debris free. If damage occurs from debris in hydraulic fluid flowing from your machine to our attachment it will VOID the warranty on any cylinders, motors, couplers, manifolds &/or valves (relief, lock, selector, check and flow control) downline from that flow.

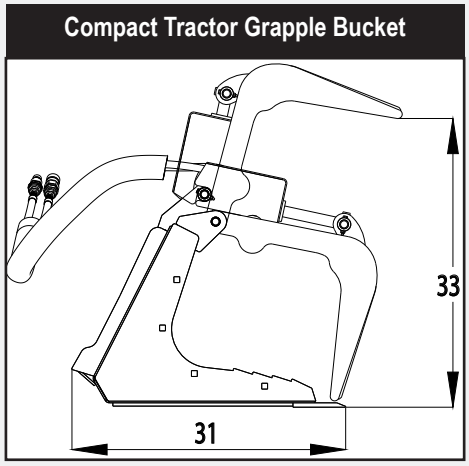
SECTION 2

GRAPPLE MODELS

Compact Tractor Grapple Bucket

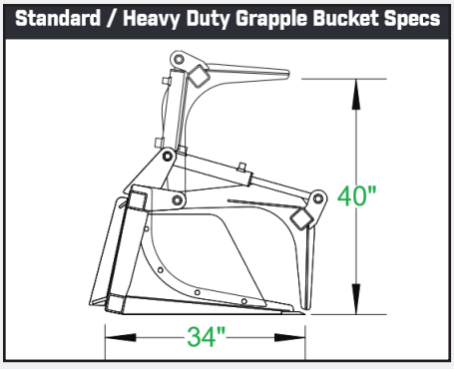
Mini size offered as well.

- Grease fittings at every pivot point
- Optional weld on teeth.
- Optional: bolt on edge
- Compact rated for up to 35 HP



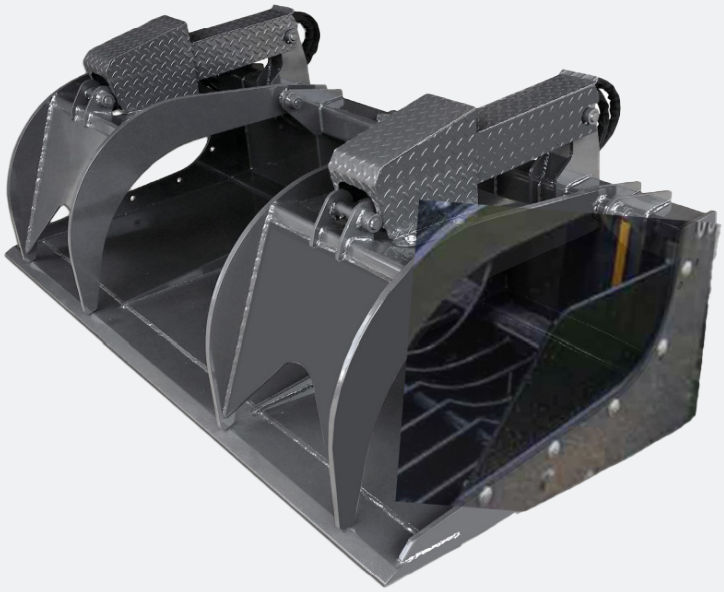
Standard & Heavy Duty Grapple Buckets

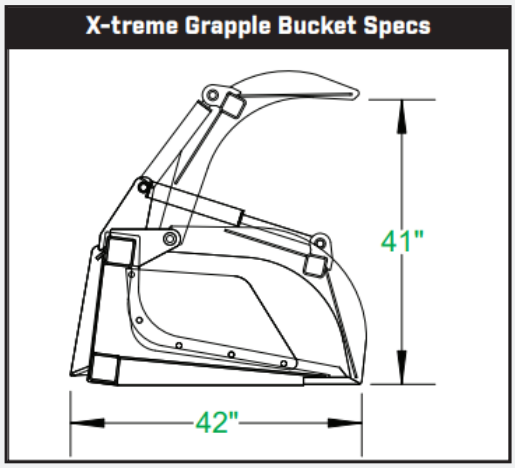
- Grease fittings at every pivot point
- Optional weld on teeth
- Optional bolt on rod cylinder cover kit
- Optional: bolt on edge
- Standard rated for up to 45 HP
- Heavy Duty rated for 45- 65 HP



X-Treme Grapple Bucket

- 5/8” Steel Top Tine Sides
- Includes bolt-on cylinder rod cover
- Optional bolt-on cutting edge
- Optional weld on teeth
- X-Treme rated for 65 HP+

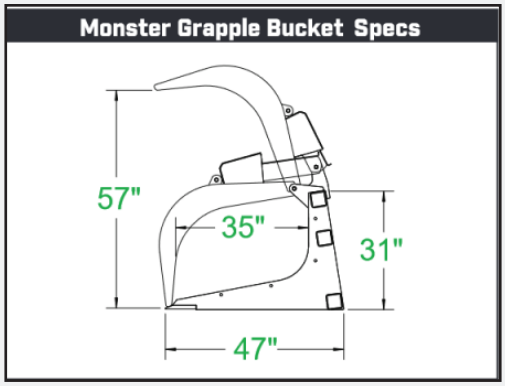




Monster Grapple Bucket

- 5/8” Steel Top Tine Sides
- Includes bolt-on cylinder rod covers
- Optional bolt on cutting edge
- Optional weld on teeth
- Used for large Tractors, large CTL’s, and large telescoping machines (telehandlers).
- Reinforced with extra tubing and ribs.

Rated for 100 HP+

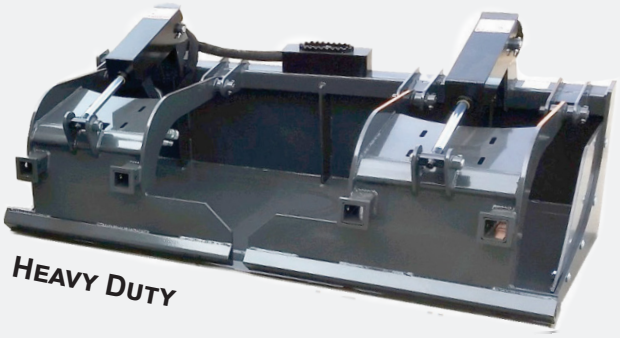


One of the Largest Capacities on the Market

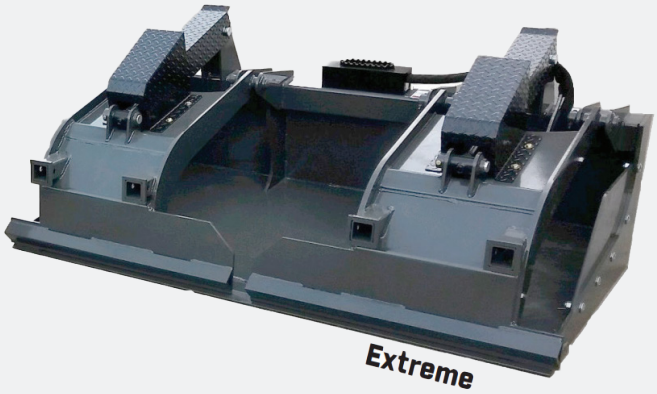
2.1 DEMOLITION GRAPPLES

Demolition Grapple

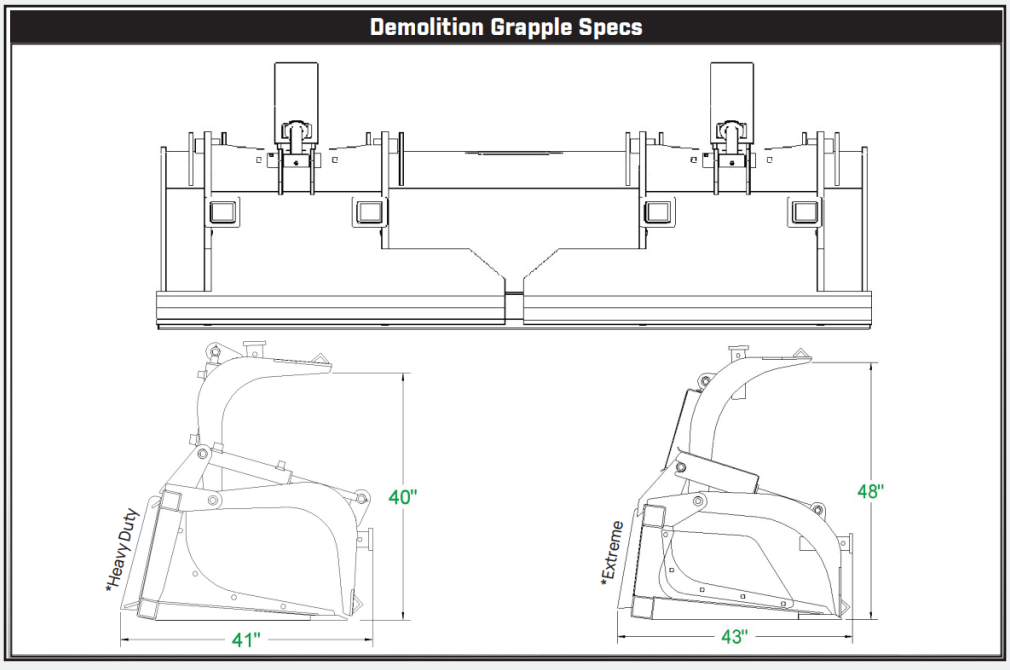
- Equipped with trailer hitch receivers.
- Hydraulic lines routed inside tubing to prevent tears.
- Optional bolt-on cutting edge,
- Heavy Duty: Optional bolt on rod cover kit.
- Heavy Duty rated for: 45-65 HP
- X-Treme rated for: 65+ HP



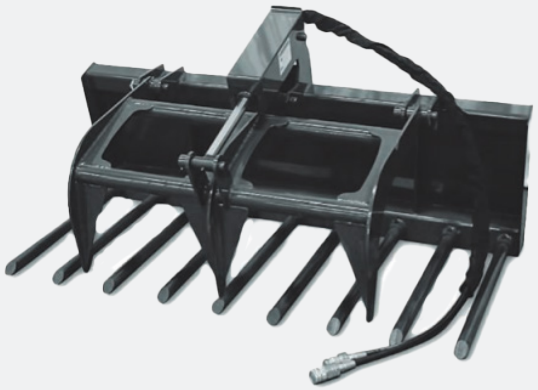
Heavy Duty



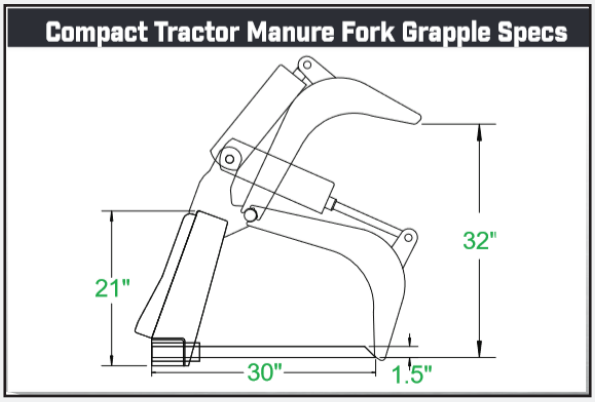
Extreme



Compact Tractor Manure Fork Grapple

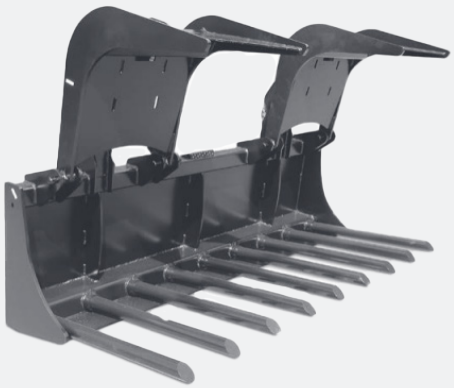


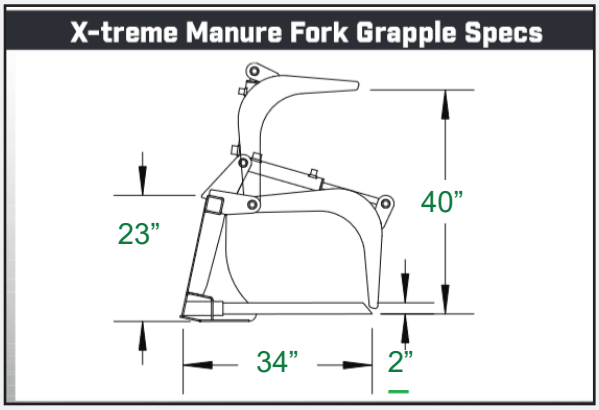
- Strong cold rolled steel tines.
- Rated for up to 35 HP.



X-Treme Manure Fork Grapple

- Strong cold rolled steel tines on bottom
- X-Treme Rated for 65+ HP



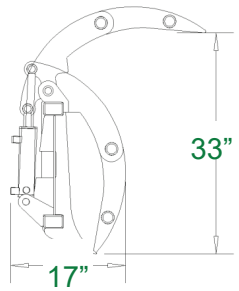


2.3 GRAPPLE RAKES

Compact Tractor / Mini Dual Cylinder Grapple Rake

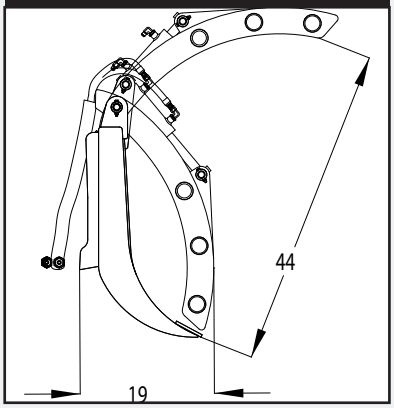
- Smaller, light weight profile to maximize capacity.
- Mini skid steer hookup available
- Compact Rated for up to 35 HP

Compact Tractor Grapple Rake Specs



Compact Tractor Single Cylinder Grapple Rake

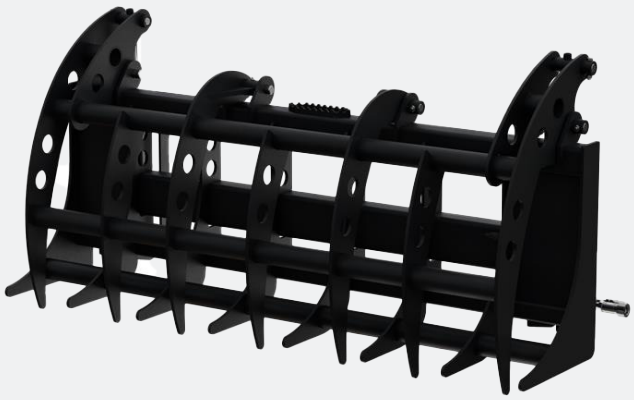
Compact Tractor Grapple Rake



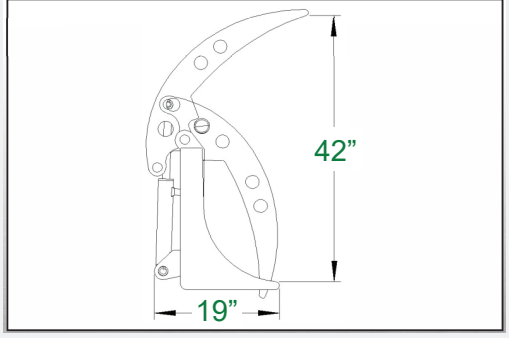
- Smaller, light weight profile with larger opening capacity.
- Tractor and skid steer hookups available
- Compact Rated for up to 35 HP

AR Standard Duty Dual Cylinder Grapple Rake

- 3/8” AR Steel tines with weight reducing holes.
- Standard Rated for up to 60 HP.



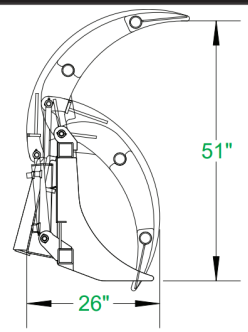
Standard Grapple Rake Specs



Standard / Heavy Duty Grapple Rake

- Single or Dual Grapple top tine option.
- Standard Duty 40-50 HP
- Dual Cylinders
- Standard: 3/8” Tines
- Heavy Duty: 1/2” Tines
- Heavy Duty Rated for 50-70 HP

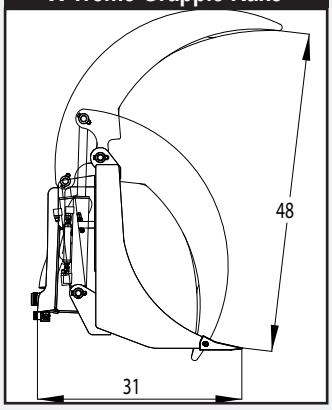
Heavy Duty Grapple Rake Specs



X-Treme Grapple Rake

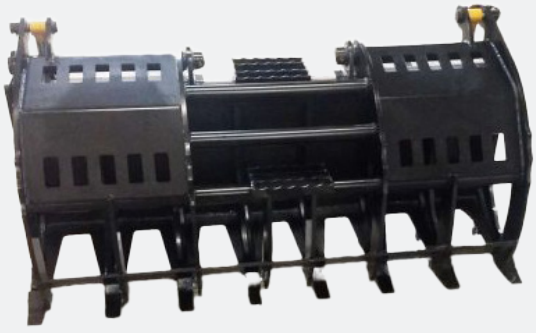
- 1-1/2” Bottom Tines
- Replaceable teeth
- Single or dual grapple top tine option
- Dual cylinders
- X-Treme Rated for 65+ HP

X-Treme Grapple Rake

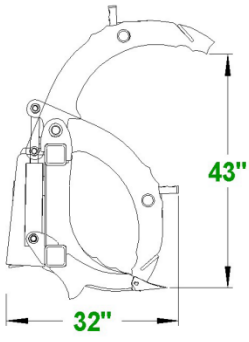


Severe Grapple Rake

- 2-3/4” bore cylinders
1-1/2” bottom tines
- Replaceable teeth
- Oversized pins and bushings.
- Dual cylinders
- Single or Dual grapple top tines options.
- Severe Rated for 80+ HP



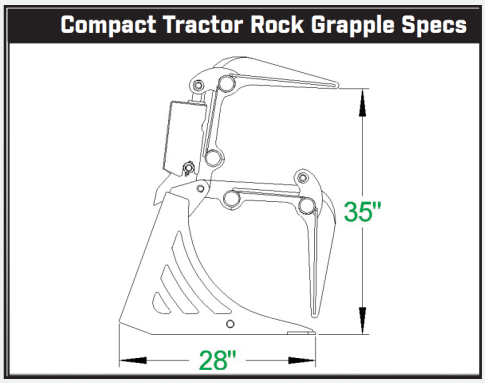
Severe Grapple Rake Specs



2.4 ROCK GRAPPLES

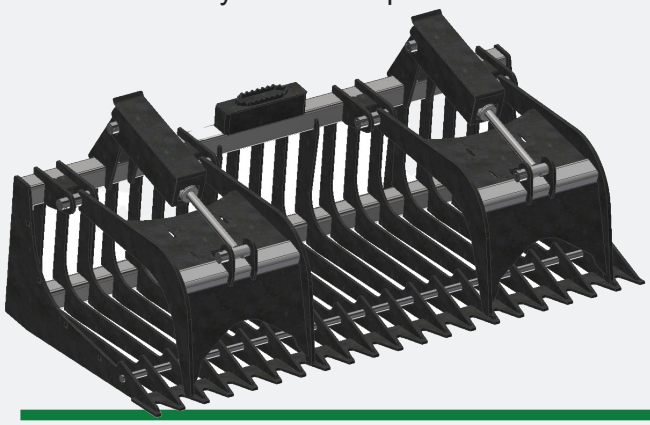
Compact Tractor / Mini Rock Grapples

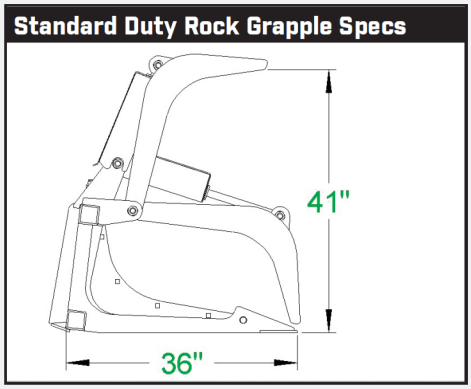
- Equipped with a single grapple.
- Mini Skid Steer Hookup Available
- Compact Tractor Rated for up to 35 HP



Standard Duty Rock Grapples

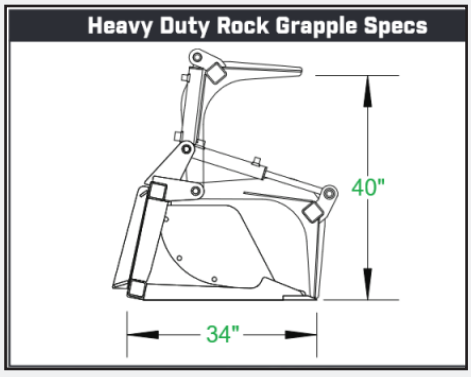
- 3/8” Steel Top Tine Sides
- Optional bolt-on cylinder rod covers
- Equipped with Dual Cylinders
- Standard Duty Rated for up to 45 HP





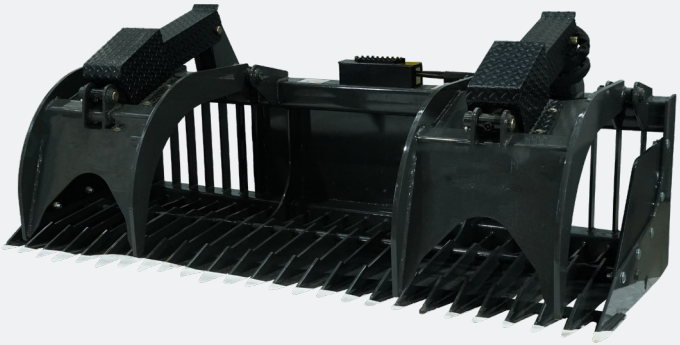
Heavy Duty Rock Grapples

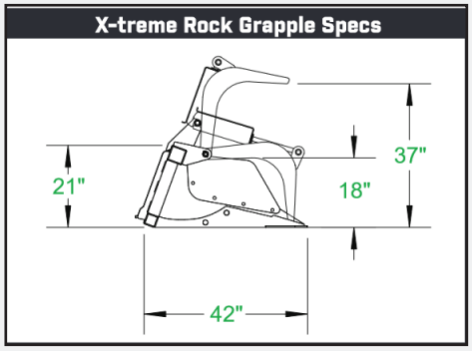
- 1/2” Steel Top Tine Sides
- Optional bolt-on cylinder rod covers
- Optional weld on teeth
- Equipped with dual cylinders
- Heavy Duty Rated for 45-65 HP



X-Treme Rock Grapples

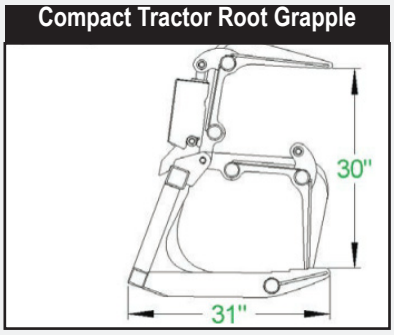
- 5/8” Steel Top Tine Sides
- Double steel rod bottom tine reinforcement
- Includes bolt-on cylinder rod covers
- Rated for 65+ HP





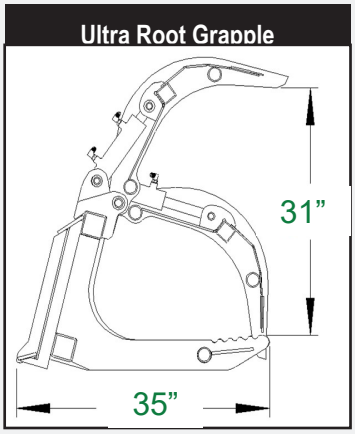
Compact Tractor / Mini Root Grapples

- Optional spacer tines
- Mini Skid Steer hookups available
- Compact Tractor Rated for under 35 HP



Ultra Light Root Grapple

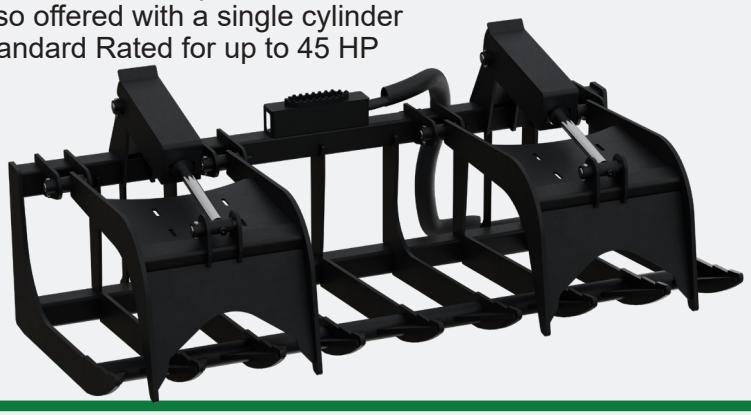
- 3/8” Steel Tines
- Optional spacer tines
- Two tines for holding uneven loads.
- Ultra Rated for 35-50 HP



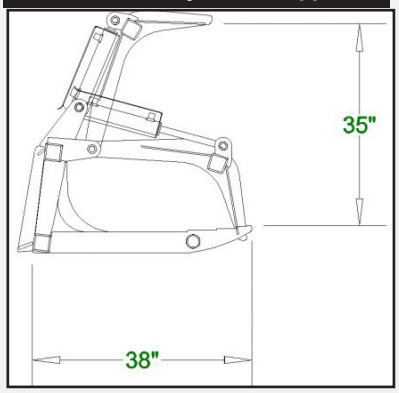
2.5 ROOT GRAPPLES

Standard Duty Root Grapple

- 3/8” Steel Tines
- Optional spacer tines
- Optional bolt-on cylinder rod covers
- Also offered with a single cylinder
- Standard Rated for up to 45 HP

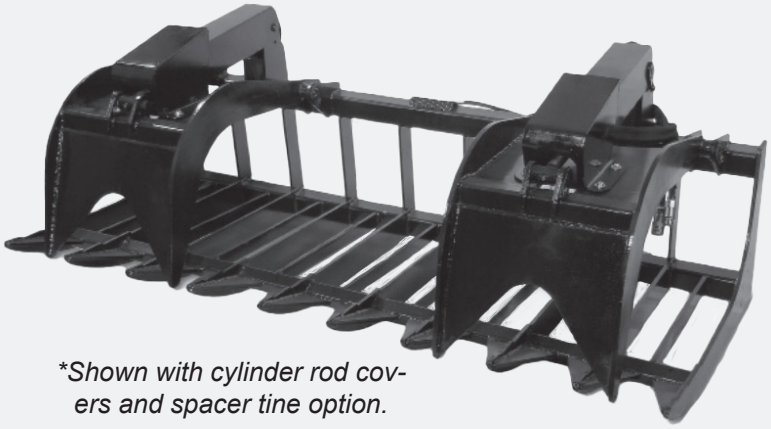


Standard Duty Root Grapple



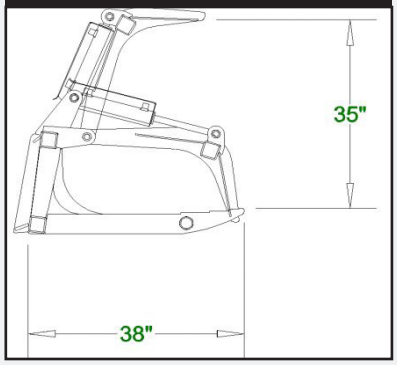
Heavy Duty Root Grapple

- 1/2” Steel Tines
- Optional bolt-on cylinder rod covers
- Optional spacer tines
- Heavy Duty Rated for 45-65 HP



**Shown with cylinder rod covers and spacer tine option.*

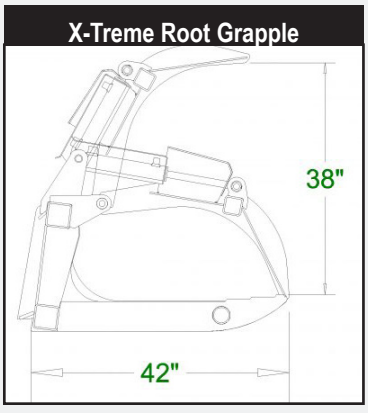
Heavy Duty Root Grapple



X-Treme Root Grapple

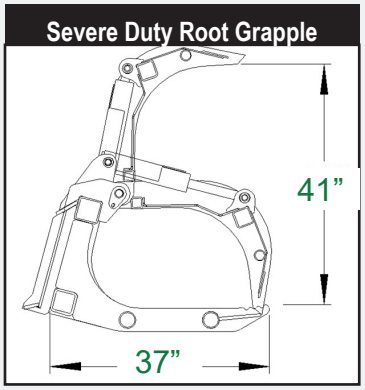
- 5/8” Steel Top Tine Sides
- Optional spacer tines
- Includes bolt-on cylinder rod covers
- X-Treme Rated for 65+ HP

X-Treme Root Grapple



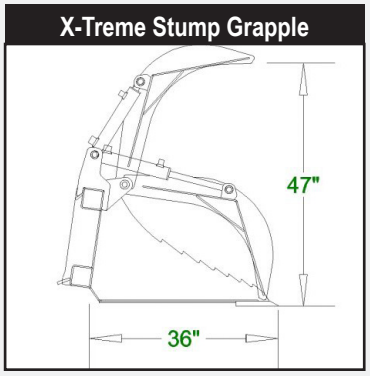
Severe Duty Root Grapple

- 3/4” Steel Top Tine Sides
- Optional spacer tines
- Severe Duty Rated for 80+ HP



X-Treme Stump Grapple

- X-Treme Rated for 65+ HP
- Replaceable Teeth



Mini Stump Grapple

- Scaled down version of the x-treme duty version.
- Mini hookups available
- Tractor hookups available
- Replaceable teeth

Whatever Your Need, We’ve Got You Covered

SECTION 3

SAFETY INFORMATION

The following terms may be used interchangeably throughout this manual.

Term	Alternate Terms Used
Grapple	implement, attachment, product, grapple rake, grapple bucket, fork grapple, stump grapple, manure fork, rock grapple
Machine	skid steer loader, skid steer tractor, loader, prime mover, host machine, skid steer
Operator	user, personnel

This **Grapple** is designed and manufactured with safety in mind. However, improper use and operator error can result in death or serious injury. It is important that you read and fully understand the safety instructions and operating procedures presented in this manual before operating this attachment. Accident prevention is a combination of good judgment, common sense, awareness and proper training!

⚠ BEFORE YOU OPERATE THIS GRAPPLE:

KNOW how to safely operate your machine.

READ and UNDERSTAND the safety instructions and operating procedures contained in this manual.

ACKNOWLEDGE your understanding of all safety instructions presented in this manual by signing the “Safety Acknowledgment Form” at the end of this manual.

Although every effort has been made to ensure a safe product, every possible circumstance that could pose a potential hazard cannot be anticipated. The warnings presented in this manual and on this product, are therefore not all-inclusive.

In addition to the safety messages presented in this section, you must also read and understand the safety messages presented in the other sections of this manual.

This manual and the decals on this attachment use safety symbols, hazard labels, pictograms and color coded signal words to alert you to potential hazards that may cause severe injury or death if a safety instruction is ignored.

SAFETY ALERT SYMBOL - This symbol is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

HAZARD CLASSIFICATIONS

Hazards are identified by the “Safety Alert Symbol” and followed by the signal word “DANGER”, “WARNING”, or “CAUTION”.

DANGER

Indicates an imminently hazardous situation which,
if not avoided, will result in death or serious injury.
This signal word is limited to the most extreme situations.

WARNING

Indicates a potentially hazardous situation which, if
not avoided, could result in death or serious injury.

CAUTION

Indicates a potentially hazardous situation which,
if not avoided, may result in minor or moderate injury.

NOTICE

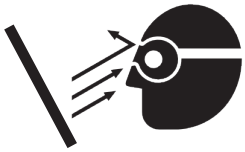
Indicates a situation which may cause damage to equipment or property.
Messages are not related to personal injury.

Safety Instructions

Indicates specific safety-related instructions or procedures.

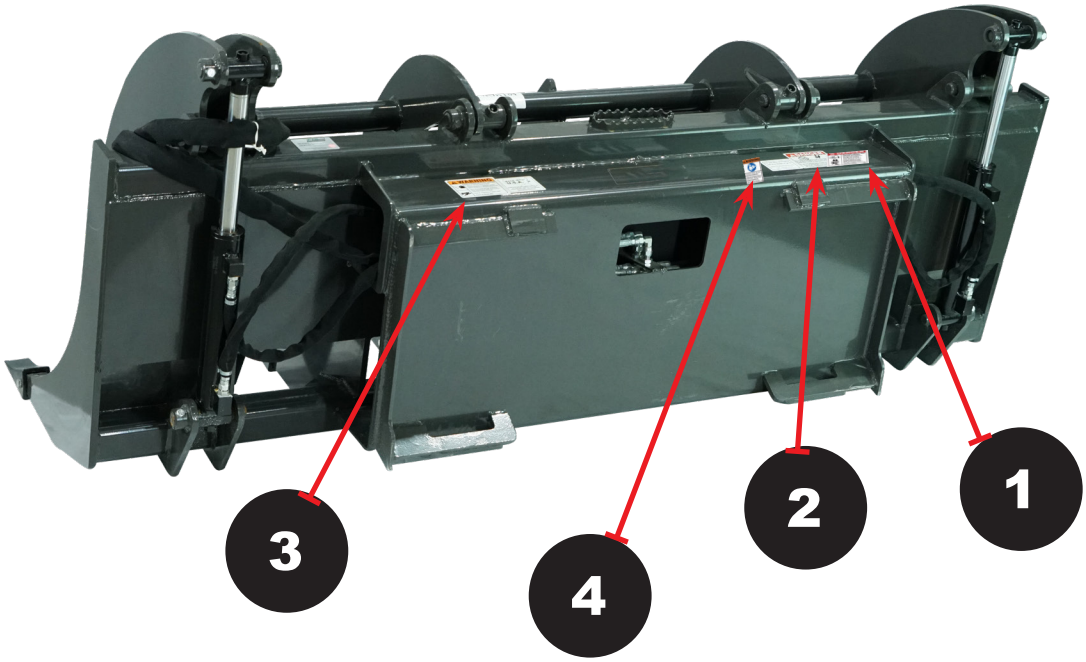
3.1 SAFETY SYMBOLS

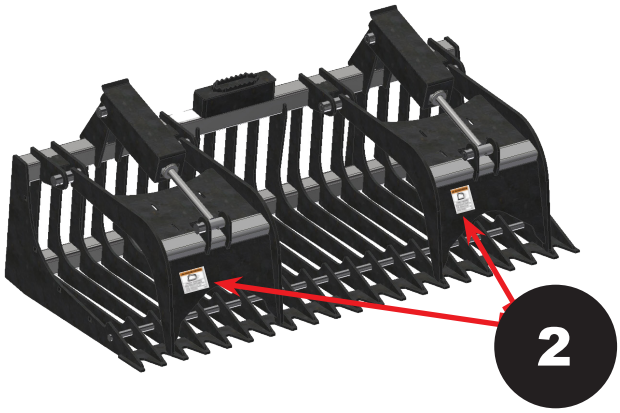
Pictograms are graphic symbols meant to alert you of a potential hazard. Read and understand the hazard description for each of these symbols.

Pictogram	Description
	PINCH HAZARD: Keep clear of machine and attachment to prevent death or serious injury from pinching of moving parts.
	FLYING DEBRIS HAZARD: ONLY operate this attachment using a machine that has a shatter proof cab to prevent death or serious injury from objects being thrown.
	OPERATING MANUAL: Operators must read and understand the safety instructions in the operating manual to prevent death or serious injury.
	**EYE PROTECTION & CARDBOARD**: Operators and Maintenance personnel must wear proper eye protection and use cardboard or wood to investigate hydraulic leaks to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	HIGH PRESSURE FLUID INJECTION HAZARD: Operators and Maintenance personnel must not place fingers or hands directly over a hydraulic leak to prevent death or serious injury from being injected with high pressure hydraulic fluid.
	NO BYSTANDERS: DO NOT operate this attachment near bystanders. Bystanders must stay back at least 300 feet from the attachment to prevent death or injury from objects being thrown.
	CRUSH HAZARD: DO NOT place any part of the body under the attachment or machine to prevent death or serious injury from being crushed .

3.2 SAFETY DECALS

Safety warning decals are located on this machine near immediate areas of potential hazards. Operators must learn the meaning of each decal and know where to find the decal on the machine.





3.2 SAFETY DECALS

The safety decals affixed to this machine are to keep you safe. DO NOT ignore these decals.

Read and understand each decal's safety message. Follow these Safety Decal Instructions:

REF	DESCRIPTION	LABEL	QTY
1	DANGER-Falling Object/ Crushing Hazard		1
2	WARNING-Pinch Point Hazard		2
3	WARNING: High Pressure Fluid Hazard		1
4	WARNING: Read Manual		1

**WHEN ORDERING, CHOOSE THE PROPER DECAL FOR YOUR MODEL*

CONTACT YOUR LOCAL DEALER TO ORDER REPLACEMENT DECALS

⚠ **Decals must be kept clean and legible at all times.**

⚠ **Operators must inspect the machine for safety decals.**

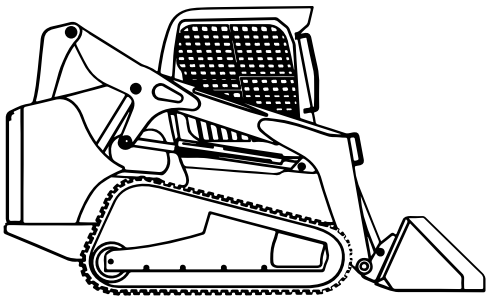
⚠ **Replace missing, worn or damaged decals immediately.**

⚠ **When using a hot pressure washer to clean this machine make sure water jet is not too close to the decal as this may cause the decal to peel.**

⚠ **When replacing parts, be sure safety decals are in place prior to using the machine.**

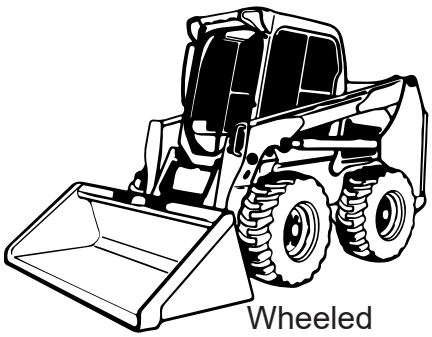
⚠ **Make sure metal surface is dry and free of dirt and grease before affixing decals to this machine.**

3.3 SKID STEER / TRACTOR LOADER REQUIREMENTS



Tracked

VS.



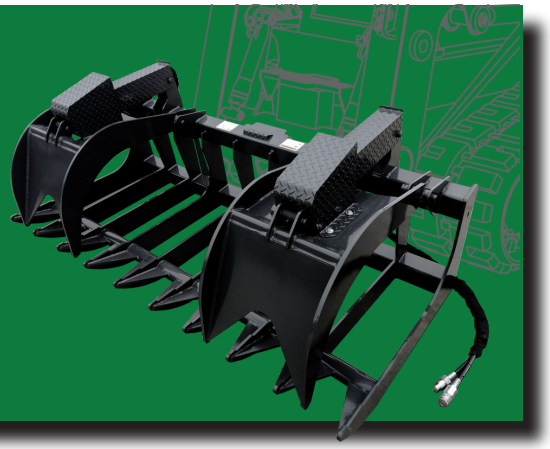
Wheeled

A 4WD Tractor and/or using additional counterweights, a Tracked Skid Steer or Compact Track Loader (CTL) will provide superior stability in this application.

⚠ CAUTION

Make sure your machine is in good operating condition. Follow the operating instructions found in the operator's manual. Failure to do so could result in minor or serious injury.

Consult the host machine's rated operating capacity to ensure you have the proper lift capacity for optimal operation of your attachment. Flow range MUST support the attachment. (Standard flow only)



3.4 PERSONAL PROTECTIVE EQUIPMENT (PPE)

All operators should wear hearing protection, safety glasses, hand protection and dust mask while operating this attachment.

3.5 GENERAL SAFETY INSTRUCTIONS

MAKE SURE YOU FOLLOW THE GENERAL SAFETY INSTRUCTIONS THAT RELATE TO THE OVERALL OPERATION AND MAINTENANCE OF THIS ATTACHMENT. IT IS IMPORTANT THAT YOU READ AND UNDERSTAND EACH OF THESE MESSAGES TO PREVENT SERIOUS INJURY OR DEATH.

- NEVER use drugs or alcoholic beverages while operating or servicing this attachment.
- ALWAYS operate this attachment during daylight or well-lit areas.
- We recommend using a high strength clear protective door panel when using with this attachment.
- To prevent the machine and attachment from rolling forward, stop the engine and set the parking brake when exiting the machine.
- Inspect attachment for loose or missing hardware prior to using this machine.
- DO NOT allow children to play on or around this attachment at any time. Store this attachment in an area not frequented by children.
- ALWAYS wear the proper personal protection equipment while operating or servicing this attachment. NEVER operate or service this attachment with bare feet, sandals, or other light footwear.
- ALWAYS wear work gloves when handling this attachment to protect your hands.
- ALWAYS use eye protection while operating or servicing this attachment.
- ALWAYS watch for overhead power lines.
- DO NOT place any part of your body under this grapple.
- NEVER operate this attachment when bystanders are within 100 feet of your work area. Falling debris could cause serious injury or death.
- NEVER position your body or limbs under an unsupported attachment.
- DO NOT allow this attachment to contact buildings, utilities, large rocks or tree stumps or you may lose control of the machine.
- DO NOT operate this attachment during lightning or severe weather conditions.
- DO NOT allow riders on the machine or on this attachment.
- ALWAYS call 811, the “Digger’s Hotline” before digging to identify underground utilities to avoid an accident that could result in Death or Serious Injury to the operator.
- DO NOT speed! Speed Kills! Keep your driving speed between 2 and 5 mph.

IMPORTANT FEDERAL LAWS AND REGULATIONS CONCERNING EMPLOYERS, EMPLOYEES, AND OPERATORS

This section is intended to explain in broad terms the concept and effect of the following federal laws and regulations. It is not intended as a legal interpretation of the laws and should not be considered as such.

U.S. PUBLIC LAW 91-596 (The Williams-Steiger Occupational Safety and Health Act of 1970) OSHA

This Act Seeks:

" ... to assure so far as possible every working man and woman in the nation safe and healthful working conditions and to preserve our human resources... "

Sec. S(a) Each Employer – **DUTIES**

(1) shall furnish to each of its employees employment and a place of employment which are free from recognized hazards that are causing or are likely to cause death or serious physical harm to its employees.

(2) shall comply with occupational safety and health standards promulgated under this Act.

(b) Each employee shall comply with occupational safety and health standards and all rules, regulations, and orders issued pursuant to this Act which are applicable to his or her own actions and conduct.

OSHA Regulations

Current OSHA regulations state in part: "At the time of initial assignment and at least annually thereafter, the employer shall instruct every employee in the safe operation and servicing of all equipment with which the employee is, or will be involved." These will include (but are not limited to) instructions to:

Keep all guards in place when the machine is in operation;

Permit no riders on equipment;

Stop engine, disconnect the power source, and wait for all machine movement to stop before servicing, adjusting, cleaning, or unclogging the equipment, except where the machine must be running to be properly serviced or maintained, in which case the employer shall instruct employees as to all steps and procedures which are necessary to safely service or maintain equipment.

Make sure no one is within 300 feet of machinery before starting the engine, engaging power, or operating the machine.

EMPLOYEE MACHINE OPERATING INSTRUCTIONS:

1. Securely fasten your seat belt if the machine has a safety operating system.
2. Where possible, avoid operating the machine near ditches, embankments, and holes.
3. Reduce speed when turning, crossing slopes, and on rough, slick, or muddy surfaces.
4. Stay off slopes too steep for safe operation.
5. Watch where you are going, especially at row ends, on roads, and around trees.
6. Do not permit others to ride.
7. Operate the machine smoothly - no jerky turns, starts, or stops.
8. Hitch only to the drawbar and hitch points recommended by machine manufacturers.
9. When machine is stopped, set brakes securely and use park lock if available.

Child Labor Under 16 Years Old

Some regulations specify that no one under the age of 16 may operate power machinery. It is your responsibility to know what these regulations are in your own area or situation. (Refer to U.S. Dept. of Labor, Employment Standard Administration, Wage & Home Division, Child Labor Bulletin # 102).

SECTION 4

OPERATING PROCEDURES

Your attachment may arrive from the factory strapped to a wood pallet and requires no final assembly. Use a steel band cutting tool to remove the steel straps.

⚠ CAUTION

Shipping straps are under great tension, and could lash out uncontrollably when cut causing injuries to your body or bystanders. Keep bystanders away and wear safety glasses and gloves while removing the steel straps.

4.1 PRE-OPERATING CHECKLIST

Pre-Operating Checklist	
☐	Grapple is securely attached to the machine and pins are locked.
☐	Hydraulic hoses are connected and locked to the host machine's hydraulic couplers with no signs of hydraulic fluid leaks present.
☐	Grapple is in working condition and all bolts and nuts are tight.
☐	Safety labels are present and legible.
☐	No material, rope, wire, etc. is obstructing the machine or grapple.
☐	The area of operation is clear of bystanders and any obstacles that could damage the equipment or injury to the operator.
☐	The operator is of good health and not under the influence of any mind altering substances or alcohol.
☐	Check the machine's hydraulic fluid level and add manufacturer recommended fluid if necessary. *Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.*

4.2 HOW TO CONNECT GRAPPLE ATTACHMENT

GENERAL ATTACHMENT METHOD

Refer to your machine's manual for specific instructions on how to connect and disconnect your attachment.

This attachment method refers specifically to tractors and skid steers with a universal skid steer hookup. For all other attachment instructions, refer to the Original Equipment Manufacturer (OEM) for instructions.

1. Make sure the hydraulic lines are clear from the front side of the grapple's attachment plate and that the locking pins on the skid steer quick attach mechanism are in the unlocked position.
2. Drive the skid steer to the attachment plate and tilt the skid steer coupler forward and hook the top edge of the skid steer quick attach mechanism under the lip of the grapple's attachment plate. See figure 4.2a below.
3. Slowly raise and tilt back the skid steer mounting plate, moving upward until the grapple's attachment plate is flat against the skid steer quick attach mechanism. See figure 4.2a below.

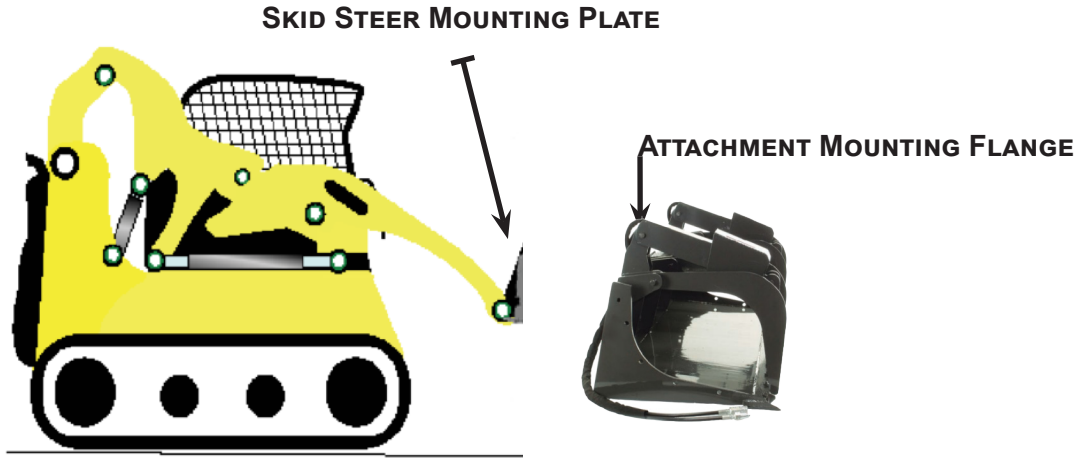


FIGURE 4.2A – SKID STEER MOUNTING PLATE TO ATTACHMENT MOUNTING FLANGE

4. Activate your skid steer's lever lock switch to engage and lock the pins into the flange slots of the grapple's attachment plate. If your skid steer does not have this switch, push the latch handles down until you can see the lock pins extend into the attachment flange as shown in Figure 4.2b below.

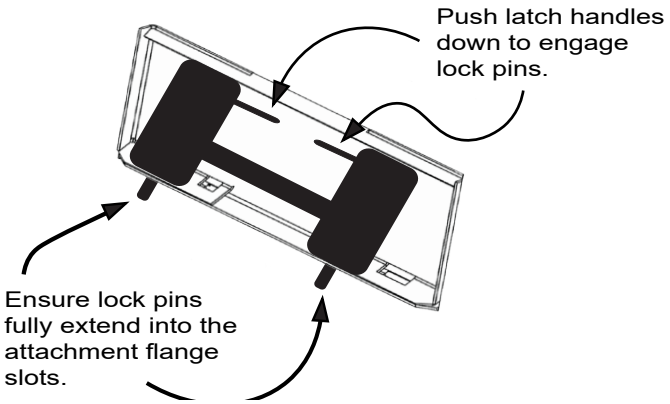


FIGURE 4.2B QUICK ATTACH COUPLER LOCKED TO ATTACHMENT PLATE

FIGURE 4.2C TRACTOR PIN ON HOOKUP

4.2 HOW TO CONNECT GRAPPLE ATTACHMENT CONT.

⚠ WARNING

To avoid serious injury or death, ensure coupler pins fully extend through the slots on the attachment bracket and that levers are down in the locked position to prevent grapple from detaching from machine.

NOTICE

To keep contaminants from entering the hydraulic system, use a clean cloth to wipe away dirt and grease from the hydraulic couplers and cover with plastic or metal caps when not in use.

5. Connect the attachment hydraulic hoses to the auxiliary supply couplers located on your skid steer loader lift arm.

NOTICE

Check that hydraulic hoses are locked into the machine's couplers with the preferred output auxiliary port corresponding to the correct input line on the attachment before use.

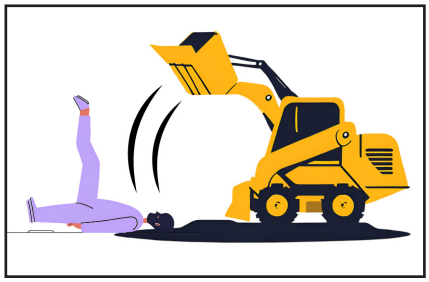
Check the hose routing through the full range of intended motion before operating attachment. It is the responsibility of the owner/operator to make sure the hoses are routed correctly and are not pinched.

⚠ CAUTION

ALWAYS visually inspect and verify that the coupler lock pins are fully engaged through the latch slots on the attachment plate.

⚠ DANGER

NEVER enter the area underneath the coupler or any part of the attachment when it is in the raised position to avoid an accident that will result in Death or Serious Injury!



4.3 GRAPPLE CONTROLS

GRAPPLE CONTROLS

Your grapple is designed to run off the machine's auxiliary hydraulic system, and is activated and deactivated by a control in the operator's cab. The height and tilt functions as well as the opening and closing functions of your grapple are operated with the control handles or pedals in the cab. Consult your machine operator's manual for instructions regarding these functions.

Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.

HYDRAULIC FLOW

When operating the attachment, always use your machine's standard auxiliary flow. Never use high flow as damage will occur to the cylinders, possibly causing contamination! If you are unsure of your machine's flow rate, contact your machine retailer.

NOTICE

If the hydraulic function operates in the opposite direction than preferred, change the positions of the quick disconnect couplers on the attachment hoses.

NOTICE

ALWAYS release the hydraulic system pressure from the hydraulic circuits prior to removing the attachment or any hydraulic service work.

4.5 BEFORE USING YOUR ATTACHMENT

DANGER

ALWAYS contact 811, the "Digger's Hotline" to identify underground utilities to avoid an accident that could result in Death or Serious Injury!

WARNING

EXPOSURE to crystalline silica dust along with other hazardous dusts may cause serious or fatal respiratory disease. It is recommended to use dust suppression, dust collection and if necessary personal protective equipment during the operation of any attachment that may cause a high level of dust.

1. Inspect the area to be worked and make sure it is free of any utilities, large rocks, fence posts, or any other objects that you do not want to move.

2. Determine a safe and efficient pattern before the start of the job.

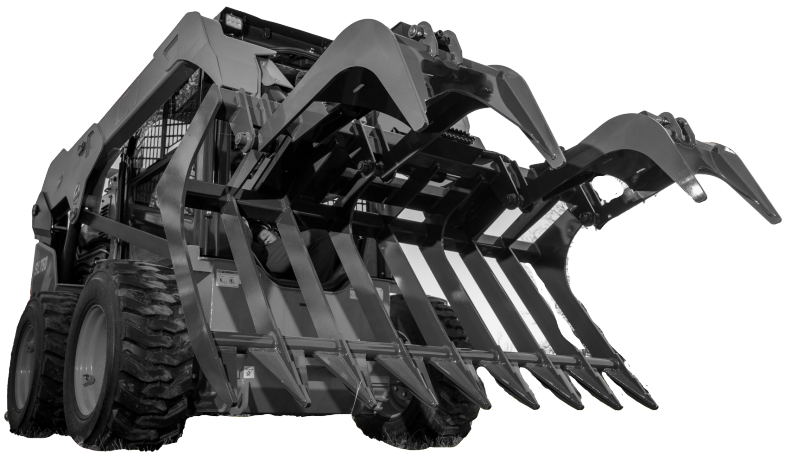
4.6 DIGGING PREPARATION

⚠ DANGER

ALWAYS contact 811, the “Digger’s Hotline” to identify underground utilities to avoid an accident that could result in Death or Serious Injury!

ALWAYS be aware of your surroundings and pay attention to obstacles and terrain around you.

You must notify utility companies of your intent to dig or trench by calling 811 or making an online request with your state’s 811 center a few days prior to digging or trenching. Visit: https://call811.com/811-In-Your-State to connect to your state’s 811 center.



811®

Know what’s **below.**
Call before you dig.

4.7 PREPPING FOR FIRST TIME USE

Verify that hydraulic hoses are securely locked to the machine hydraulic couplers before starting to use this attachment.

NOTICE

Before operating the grapple, check the hydraulic fluid in the machine and add fluid if necessary.

Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.

1. After starting machine, lift attachment ten (10) inches off the ground surface:

2. Set machine engine RPM to just above idle.

3. Slowly engage the auxiliary hydraulic flow to the attachment cylinder arm until the function operates.

4. Reverse the direction of the hydraulics until the function has been placed in the opposite direction. Repeat this two (2) more times to purge any air from the system.

5. Lower the attachment to the ground, shut off machine engine and exit the operator's cab.

6. Check the hydraulic fluid level in the machine, add manufacturer recommended fluid if necessary.

7. Inspect the grapple hydraulic lines & connectors for noticeable leaks. Fix before continuing

⚠ WARNING

To avoid serious injury by hydraulic fluid injection into your skin, never use your hand or other body parts to locate a hydraulic leak. Detect leaks with a piece of wood or cardboard.

4.8 LEARNING YOUR ATTACHMENT

⚠ DANGER

NEVER operate the attachment when bystanders are within 100 feet of your work area.

⚠ CAUTION

USE CAUTION when operating on un-level ground surfaces. A machine roll over could result in Minor or Serious Injury. ALWAYS wear your seat belt when operating this attachment.

4.8 LEARNING YOUR ATTACHMENT CONT.

1. Before using this attachment, make sure you are knowledgeable and comfortable with the operation of the auxiliary hydraulic control as outlined in previous sections of this manual and in the machine's operator's manual.

2. When operating this attachment, set the machine to standard hydraulic flow setting. If the machine is equipped with a foot throttle, use it to control engine speed and power being delivered to the attachment. Refer to your machine manual or call your local machine dealer for additional help if necessary

3. Learn what the attachment looks like in a level position when you are seated in the machine. This will help you when operating the attachment.

4. The correct ground speed while using this attachment depends on the application and environmental conditions and can usually be monitored by sight, sound and feel.

5. Note that if the machine engine is bogging down because of load on the attachment, it will be necessary to decrease the load until the machine's power can overcome the material load on the attachment.

4.9 OPERATING GUIDELINES

⚠ DANGER To prevent death from electrocution, NEVER operate this attachment near electrical wires or cables.

⚠ WARNING

When lifting a load of brush or trees, make sure all ends are not tangled with standing trees that could cause the center of gravity to be compromised, resulting in a rollover that could cause Death or Serious Injury.

1. ALWAYS inspect the work area before starting the job. Locate and mark any utilities (also turn utilities off), steel posts, rocks or any other objects that could be damaged or could damage this attachment during operation.

2. NEVER assume the work area is safe and skip the inspection before start of operation.

3. Operate at a safe slow-paced speed that will allow you to watch the area ahead and behind the attachment and machine.

4. Since about half of your work with this attachment may be in reverse, **look behind you** and/or utilize your mirrors and back-up camera when backing up.

5. VERIFY that your back-up alarm and camera are working properly to warn others when you are in reverse, but NEVER think that the alarm or camera replaces your responsibility to visually check what is behind you.

6. Attachment control is the most important element to getting a good steady work flow. Overloading the attachment will only result in spinning the tracks or tires and will make unwanted ruts.

7. Overloading the attachment will also necessitate raising the implement to offload some of the resistance occurring by the material.

8. If you lift too heavy a load with your attachment, you may raise the rear of your machine, and further reduce your tractive power available to move the load.

9. Before beginning your forward motion with your attachment, stop the machine and make any final adjustments to the attachment for weight and height.

10. When picking up objects with your attachment, make sure you center your load. Estimate the load center and pick up accordingly, reposition your grab and retry if needed. An unbalanced load could damage or flip your machine.

11. When loading your hydraulic attachment and clamping the tine(s) over the load, roll the attachment back and retighten the clamp tine pressure. The load will settle and require some additonal clamping pressure to secure the load.

Center load on attachment

12. When using your hydraulic attachment, make sure that you can visually see your load. NEVER turn or side load the rake while the tines are engaged in the ground as damage may occur. Beware of pushing or pulling down trees or any type of structure in which you cannot visually see the process. NEVER attempt to push or pull down any object that is taller than your machine.

13. To save service work and down time, always pay attention that tree branches or roots do not poke through past the attachment tine(s) and damage any hydraulic parts or even enter the cab area.

14. Be careful that a branch or root does not “whip” back at the machine. Wear safety glasses to prevent dirt getting in your eyes. The manufacturer highly recommends a closed in cab.

15. Keep your distance from any type of utility, whether underground or in the air.

4.10 HOW TO DISCONNECT GRAPPLE

1. Turn off auxiliary hydraulic circuit; relieve hydraulic pressure.
2. Park machine on a flat and level surface then lower grapple to the ground.
3. Set parking brake and disengage lock pins using the lock lever switch (if installed).
4. Turn off machine engine.
5. Disconnect hydraulic hoses.
6. Pull latch handles to disengage lock pins.
7. Re-enter cab and start machine engine.
8. Tilt mounting coupler forward until Quick Attach Coupler is free from mounting bracket.
9. Drive machine backward to clear attachment.

SECTION 5

MAINTENANCE PROCEDURES

The maintenance procedures described in this manual should only be carried out by qualified mechanics who have been trained to repair this attachment.

Some procedures require special tools and skills to complete. DO NOT attempt to repair or perform service work on this attachment unless you have the skills and tools to do so. Contact your local dealer for maintenance and repair services.

⚠WARNING **Only use genuine Original Equipment Manufacturer (OEM) replacement parts on this attachment. We will not be liable for any damages or injuries caused by the use of after market use parts on this attachment.**

NOTICE

Improper maintenance or modifications to the design or performance of this attachment will void the warranty. **ONLY use genuine replacement parts on this attachment.**

Safety Instructions

Obey the following safety instructions when servicing or repairing this attachment.

⚠ **Wear proper Personal Protective Equipment (PPE) while working on this attachment, which may include safety glasses, hard hats, steel toe boots, gloves, etc.**

⚠ **If servicing is performed while the grapple is attached to the machine, turn engine off, set parking brake and chock wheels to prevent machine from moving.**

⚠ **Ensure all jack stands, lifts and hoists are in good working condition and have the rated load capacity to support the load.**

⚠ **Only perform service work in a well-lit area.**

⚠ **Allow the attachment to cool down before servicing this attachment.**

⚠ **NEVER work under an unsupported attachment.**

5.1 MAINTENANCE SCHEDULE

This Grapple attachment will provide years of dependable service if routine maintenance procedures are performed. The maintenance tasks listed below are based on normal operating conditions. More frequent maintenance may be necessary with intense use or when operating in adverse environmental conditions.

Some of these maintenance tasks may not apply based on your grapple model.

MAINTENANCE TASK	BEFORE EACH USE	WEEKLY	YEARLY
Check host machine's hydraulic fluid level. Add manufacturer recommended fluid as necessary. *Please refer to our "Hydraulic Fluid and Oil Statement" on Page 5 for gear oil or hydraulic fluid instructions.*	X		
Check that all fasteners (nuts, bolts, washers, pins, keepers) are in place. Tighten as necessary.	X		
Inspect and replace any worn, torn, or missing safety decals.	X		
Inspect hydraulic hoses and connectors for damage or leakage. Repair or replace hydraulic items as necessary.	X		
Lubricate all pivot joints using #2 lithium grease.	X		
Check the condition of the cutting edge and teeth. *If applicable*	X		
Wash grapple attachment		X	
Check grapple for major scratches & dings. Sand and repaint these areas to prevent rust damage. ***Contact the manufacturer for approved OEM paint for your attachment.**			X

⚠ DANGER ONLY service the grapple on stable, even terrain. NEVER park on sloped terrain to avoid being struck & killed or seriously injured by the unexpected rolling or movement of the machine.

5.2 CUTTING EDGE REMOVAL & REPLACEMENT

DANGER

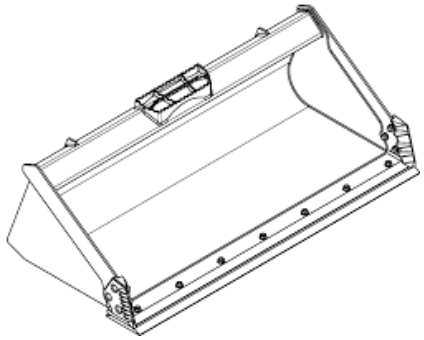
NEVER enter the area underneath the coupler or any part of the attachment when it is in the raised position to avoid an accident that will result in Death or Serious Injury!

WARNING

Hazardous dust can be generated if painted surfaces are heated or welded and could result in Death or Serious Injury. Remove paint before welding and always make repairs in a well-ventilated area and wear an approved respirator.

Optional- Cutting Edge Installation

Bolt-on cutting edge replacement can be completed safely with proper torque values applied.



Attaching the Cutting Edge to your existing grapple is a simple process that requires the use of the appropriate bolts and nuts, then torquing to the correct specifications as listed on page 37.

Contact your dealer for help with specific problems.

Weld-on cutting edge replacement is not a task for most machinery operators and should be referred to a welding shop that possesses the proper equipment, knowledge, and experience.

Replacement cutting edges are available from the manufacturer.

CAUTION

Cutting edges can be very heavy and could cause Minor or Serious Injury if mishandled. ALWAYS wear protective gloves and footwear.

WELDING REPAIRS

Welding on attachments must be performed by certified welders who have requested and obtained written approval from an authorized representative of the manufacturer before welding begins.

All authorized welding repairs must be performed by qualified welders in accordance to the American Welding Society (AWS) standards. Welding procedures performed by unqualified welders may deem this grapple unsafe to operate and **VOID THE WARRANTY**!.

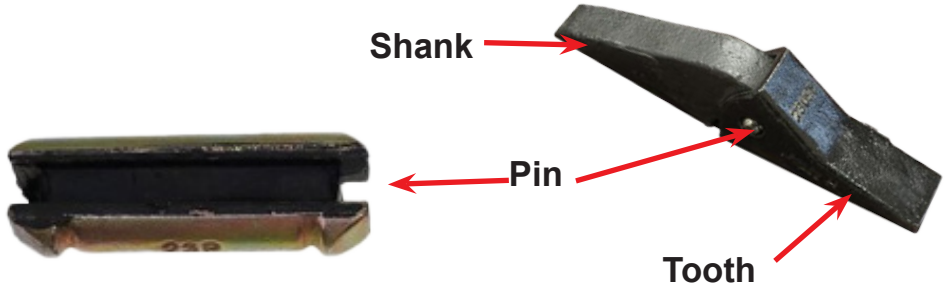
5.3 TOOTH REMOVAL AND REPLACEMENT

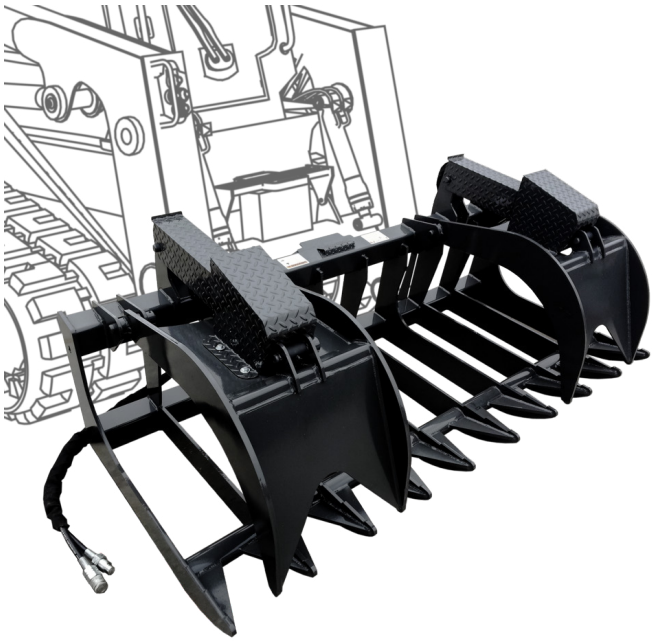
1. Remove the retaining pin that holds that tooth onto the shank.

2. Remove worn tooth.

3. Put new tooth in place and place retaining pin in hole to secure the tooth.

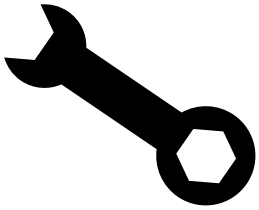
NOTICE: Make sure retaining pin is fully seated retaining both sides of the tooth flanges.



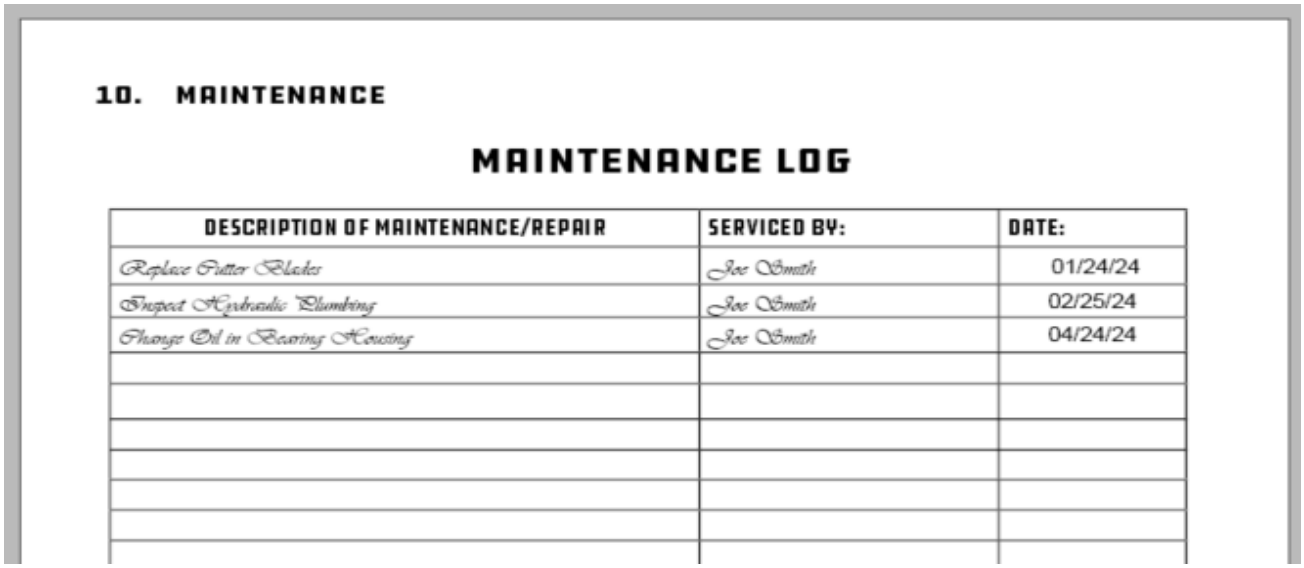


5.4 MAINTENANCE LOG INSTRUCTIONS

MAINTENANCE LOG



Use the log sheets on at the end of this manual to document all routine maintenance and repair services performed on this attachment.

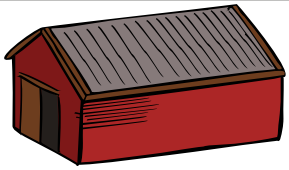


10. MAINTENANCE

MAINTENANCE LOG

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:
Replace Cutter Blades	Joe Smith	01/24/24
Inspect Hydraulic Plumbing	Joe Smith	02/25/24
Change Oil in Bearing Housing	Joe Smith	04/24/24

5.5 STORAGE TIPS

	Ensure grapple is free of water, debris, dirt and excess grease.
	It is recommended to store your grapple in an upright position and in a dry shed or garage.
	When storing your grapple for the season, cover with a weather proof tarp to protect it from the elements and to prevent water pooling that could freeze or corrode and cause damage to the attachment.

5.6 TORQUE SPECIFICATION TABLE AND INSTRUCTIONS

BOLT TORQUE INSTRUCTIONS

1. Apply and maintain proper torque on all bolts.
2. Use lubricated torque values when applying Loctite. **Do not grease or oil bolts.**
3. Wipe bolts clean and use Loctite 635 or equivalent before tightening bolts. May need curing activator.
4. Use a torque wrench to assure the proper amount of torque is being applied to the bolt.
5. **MUST CURE 72 HOURS BEFORE USE TO PREVENT LOOSENING OF BOLTS.**

TORQUE VALUES

SAE GRADE 8

	DRY lb.-ft.	LUBRICATED lb.-ft.
1/4”	12	9
5/16”	24	18
3/8”	45	35
1/2”	110	80
3/4”	380	280
7/8”	600	450
1”	910	680
1 1/4”	1820	1360
1 1/2”	3162	2688

5.7 TORQUE EQUIPMENT REQUIREMENTS

TOOLS & EQUIPMENT REQUIREMENTS

To complete the maintenance procedures described in this section, you may need the following tools:

- 1/2 inch drive breaker bar
- 3/4 inch impact socket
- 1/2 inch impact socket
- Tapping Hammer
- 1/2 inch drive torque wrench
- Nylon pry bar set
- Safety stands
- **Loctite 635 or Equivalent-MUST CURE 72 HRS**
- Lifting device (overhead crane hoist, forklift)

NOTE:

When removing bolts with Loctite, it will be necessary to apply localized heat of at least 250 degrees Celsius or to 482 degrees Fahrenheit to loosen bolts.

LOCTITE 635 TECHNICAL SPECIFICATIONS FOR BONDING, CURING, REMOVAL AND INSTALLATION CAN BE FOUND HERE: https://next.henkel-adhesives.com/

SECTION 6

TROUBLESHOOTING

Problem	Possible Cause	Solution
Machine loses power when operating grapple	Machine Engine Throttle / RPM's are not high enough. Hydraulic Flow is too slow or has a leak.	Increase RPMs and reduce ground speed. Look for hydraulic leaks & repair.
Grapple becomes uneven.	Grapple receiving excessive shock loads from ramming or contacting solid objects (rocks, concrete, steel pipes, etc) Load not centered. Grapple used on too powerful of a machine.	Clear or mark area of solid objects, or raise the grapple height to clear exposed solid surfaces. Verify loads are centered before lifting. Use on the correct machine.
Hydraulic fluid level goes down during operation.	Hydraulic cylinder or hose leak, or leaks in host machine's hydraulic system.	Investigate and repair leaks.
Cylinder does not open or close when auxiliary hydraulic system is activated.	Quick disconnects not connected or fully seated Hydraulic hose loose disconnected or damaged. Machine auxiliary circuit inoperative. Damaged hydraulic cylinder or cylinder is bypassing.	Check & Reconnect Quick disconnects. Check for loose, disconnected, or damaged hose. Tighten or replace. Investigate and have repaired. Replace Cylinder or seals.
Cylinder moves very slowly.	Loose or restricted hose. Auxiliary hydraulic system not operating properly on host machine. Cylinder seals by-passing.	Check for loose or damaged hose between machine & cylinders. Tigten or replace. Investigate & have repaired. Replace cylinders or seals.
Pins could be prematurely wearing or breaking.	Not greasing pins frequently enough. Grapple receiving excessive shock loads from ramming or contacting solid objects (rocks, concrete, steel pipes, etc)	Grease pins before each use & repeat every 8 hours or less while using in extreme conditions. Clear or mark area of solid objects, or raise the grapple height to clear exposed solid surfaces.

SECTION 7

PARTS INFORMATION

Factory OEM parts specifically designed for your implement are readily available.

For hassle free service and to ensure you receive the correct parts for your implement, please provide your dealer with the following information:

Model Number	
Serial Number	
GPM Requirements	
Date of Owners Manual (Bottom Left Corner of Cover Page)	
Parts Diagram Page Number	
Part Description	
Reference #	
Quantity Desired	
Ship To Information	
Bill To / Payment Information	

SECTION 8

WARRANTY INFORMATION

LIMITED WARRANTY

Construction Implements Depot, Inc. (CID) products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

WARRANTY EXCLUSIONS

This warranty does not cover normal wear items, including but not limited to: bearings, hoses, blade holders, ground engaging parts such as teeth, blades, cutting edges, pilot bits, auger teeth and broom bristles. This warranty does not cover maintenance, service or adjustments. This warranty does not cover damage due to improper application or installation, misuse, negligence, accidents or improper maintenance. Please note: Any modification or customization made to your attachment may void its warranty. This warranty is void if any components have been disassembled, i.e., pumps, gear boxes or motors or the attachment has been used without the case drain attached (if applicable). Be sure to follow all recommended Horsepower and GPM requirements as outlined in product specifications, in order to prevent the warranty from being void. This warranty is contingent upon the use of approved BRAND parts exclusively. Any use of non-approved parts may result in voiding the warranty. Please be advised that the warranty does not cover refurbished attachments. Specially modified attachments built by the manufacturer to meet your needs shall not be warranted by CID, Inc.

REPAIRS UNDER WARRANTY

Any repairs, including welding, on attachments must be performed by certified repair technicians who have requested and obtained written approval from an authorized representative of CID before repairs begin. If you are completing the repair, you must also have prior written approval to prevent the warranty from being voided.

WARRANTY STATEMENT

Our obligation under this Limited Warranty shall be solely limited to repairing or replacing any part (see non-covered items above) that, according to our judgment, show evidence of a defect in quality of workmanship or materials for the stated 12 month warranty period. All defective parts must be routed directly to CID, Inc. with

freight or delivery charges to be prepaid. This limited warranty shall not be interpreted to render CID, Inc. liable for any injury or damage to persons, businesses or property of any kind nor expenses or losses incurred for labor, supplies, substitute machinery rental or for any other reason. Repair or replacement parts are subject to the supply conditions at the time of repair or replacements, which may directly affect our ability to obtain material and/or replacement parts. CID, Inc. reserves the right to make improvements in design or changes in specifications at any time without incurring any obligations to owners of previously purchased products. No one but CID, Inc. is allowed to alter, modify or enlarge this warranty nor the exclusions, limitations and reservation at any time. CID, Inc. products are warranted to be free from defects in workmanship or materials for a period of 12 months from the initial sale.

Purchaser and Manufacturer hereby (a) submit to the non-exclusive jurisdiction of the courts of competent jurisdiction in North Carolina and Davidson County in which this company resides for resolution of any dispute concerning this Limited Warranty or the rights or obligations of Purchaser and/or Manufacturer; (b) agree that any litigation in connection with this Limited Warranty shall be venued in North Carolina and Davidson County in which the company resides and (c) waive any objection they may have as to any such action or proceeding brought in such court that such court is an inconvenient forum. Nothing herein shall limit the right of Purchaser or Manufacturer (or the right of any permitted successor or assign of either) to bring proceedings against the other in the courts of any other jurisdiction wherein any assets of such other party may be located.

8.1 WARRANTY RETURN AUTHORIZATION POLICY

WARRANTY RETURN AUTHORIZATION POLICY:

If repairs are required, a Return Material Authorization (RMA) number must be obtained for the defective part as well as proof of purchase. RMA and services are rendered by CID only. Any responsibility of shipping costs on any item returned for repair is at the discretion of CID, Inc.

All returned parts must have the following:

1. A legible RMA number written on the outside of the package.
2. Warranty Claim Form (online)
3. The defective part.

RMA numbers are only valid for 30 days from the date of issue. All shipped replacement parts will require a Parts Order (PO) number from the original CID, Inc dealer. Repairs not covered by the warranty, will be charged for parts and labor at the current pricing rate. Should you have any problems with your attachment, please follow the instructions listed on the following page.

8.2 WARRANTY PROCEDURE

WARRANTY RETURN AUTHORIZATION PROCEDURE:

1. Call the Warranty Department at (336) 859-2002 EXT 215. You will need to provide the model and serial number of the defective item(s) (see Appendix for where to find this information), a description of the problem, and have photographs available.

2. Upon a warranted issue, visit www.cidattachments.com, click on the warranty tab, and fill in the warranty information on the Warranty Claim Form. CID, Inc will retain a Return Material Authorization (RMA) number of the defective part. If all the information above is completed CID, Inc will issue a RMA number via email.

3. Once you have an approved RMA number, a shipping label will be provided with CID's address and instructions for returning the defective part. **Appropriate RMA's/PO's will be invoiced and payment received while the evaluation process is being completed to prevent delays in your normal business operations. In the event the defective part(s) is un-warranted and repairs are not covered by the warranty, the customer will be invoiced for any additional parts and labor at the current pricing rate. If the part is deemed under warranty, a credit of the invoice will be issued.**

4. CID will ship a replacement part to the provided location or customer with a RMA identifier of some kind. **The customer is responsible for initial shipping charges until evaluation of the part has been completed.** If the part failure is covered by the warranty, the customer will be reimbursed for any paid shipping charges. In the event, the part is not covered by the warranty, the customer is responsible for return shipping.

5. Once the defective part is warranted by CID, the customer will be issued a credit and the PO number will no longer be active.

6. In the event CID decides that the attachment needs to be returned to them for repair, CID will make arrangements for pickup and return. Repairs will be performed by CID qualified technicians. Non-warranted issues will be discussed, and repairs will be performed upon the owner's agreement and receipt of payment for parts and labor.

SECTION 9

SAFETY ACKNOWLEDGMENT

ATTENTION ALL OPERATORS: Print your name, sign and date in the boxes below to acknowledge that you have read and fully understand the safety instructions presented in this manual, and have been trained on how to safely operate this attachment.

OPERATOR NAME	SIGNATURE	DATE

SECTION 10

MAINTENANCE LOGSHEETS

Use this log sheet to document all routine maintenance and repair services performed on this attachment.

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

MAINTENANCE LOG

Use this log sheet to document all routine maintenance and repair services performed on this machine.

DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

MAINTENANCE LOG

Use this log sheet to document all routine maintenance and repair services performed on this machine.

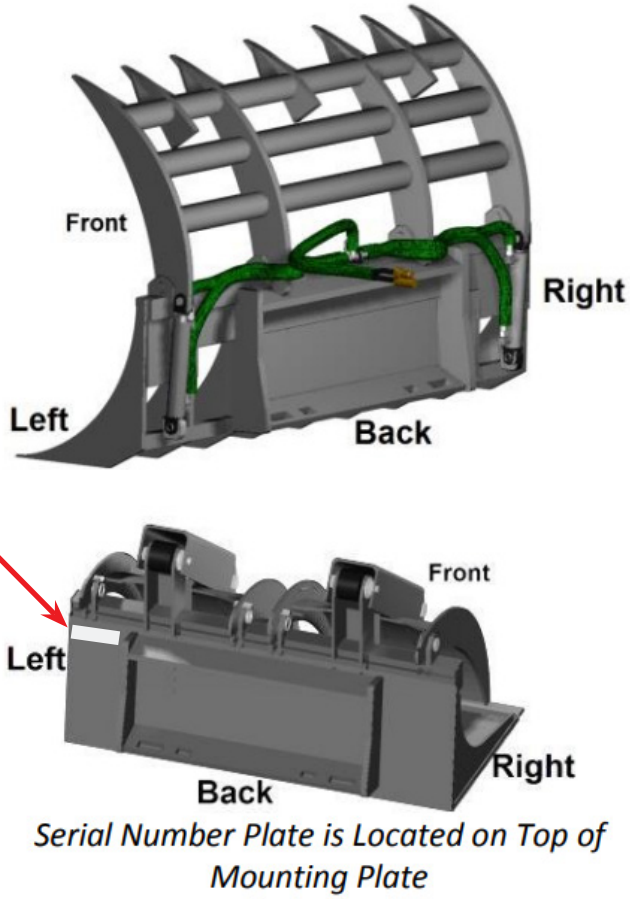
DESCRIPTION OF MAINTENANCE/REPAIR	SERVICED BY:	DATE:

The Model and Serial numbers will be in one place and will either be etched into the attachment or on a Data Plate.

Instructions: Stand at the back of the attachment facing the attachment mounting bracket and look in the following locations:

1) Back- top left area

Model and Serial Number Data Plate



Serial Number Plate is Located on Top of Mounting Plate

PLEASE NOTE: The Model and Serial number may be etched or on a Data Plate.

Disclaimer: Any critical changes made to this manual by individuals outside the manufacturer's authorized personnel are doing so at their own risk. The manufacturer cannot be held legally responsible for any consequences, damages, or liabilities resulting from such modifications. It is advised to adhere strictly to the original manual provided by the manufacturer for optimal performance, safety, and reliability.

TRUSTED ATTACHMENTS

EST. CID 2003

INDUSTRIAL QUALITY

MADE IN THE USA
WITH U.S. AND IMPORTED PARTS

CONSTRUCTION IMPLEMENT DEPOT
DENTON-USA, LLC
1248 N. MAIN ST
DENTON, NC 27239

WWW.CIDATTACHMENTS.COM

CIDGR-MANU-V3M0826