

MODEL TMG-SRP30**Skid Steer RockPicker****⚠ WARNING**


- Please read and understand the product manual completely before assembly
- Check against the parts list to make sure all parts are received
- Wear proper safety goggles or other protective gears while in assembly
- Do not return the product to dealer. They are not equipped to handle your requests.


Missing parts or questions on assembly?

Please call: 1-877-761-2819 or email: cs@tmgindustrial.com

 **DANGER** Will result in Death or Serious Injury.


 **WARNING** Could result in Death or Serious Injury.


 **CAUTION** Could result in Minor or Serious Injury.


 **NOTICE** Not related to Personal Injury.


Operator Safety Training Tips


It is the responsibility of the operator using this attachment to be acquainted with the safe operation. In addition to reading this manual, it is important that the operator read the skid steer's operation manual and follow the manufacturer's recommendations!


 Know the area before working. Always contact us if you need any further info. In the USA or Canada, call 1-604-998-7541, Toll free: 1-877-761-2819.


 Before raising, lowering or swinging the machine & rock picker, make sure area is clear of bystanders or objects.


 Machinery parts sometimes have sharp edges. Wear work gloves when moving parts.


 Never use drugs or alcoholic drinks when operating or servicing this piece of equipment.


 Always wear the proper personal protection equipment when servicing or operating this piece of equipment. Never service or operate this attachment with bare feet, sandals, or other light footwear.


 Always use eye protection during operation.


 Speed Kills! Operate this attachment at a safe working speed. When transporting the attachment, keep a safe speed to avoid losing control of the attachment or prime mover.


 Keep proper clearance between the implement and objects (tree stumps, buildings, etc.). Contacting these objects with the implement or prime mover could cause a loss of control or damage to the implement.


 Before each operation of this implement, check all hardware (bolts, nuts, pins, cotter pins, etc.) for their proper location and tightness.

 Stop the engine on the skid steer and set the brake to avoid the implement rolling forward or backwards while you are exiting the prime mover.

 Store this implement in an area not frequented by children.

 Allow NO riders on this attachment. Keep all bystanders clear of attachment during operation.


 Always replace worn, torn or missing safety decals before operating.

 Never operate the rock picker when bystanders are within 20 feet (6 m) of the work area. Identify the work zone with caution tape or cones.

Skid Steer Requirements


Your rock picker attachment is compatible with attachment couplers from all major skid steer manufacturers. This rock picker should only be used on skid steers with a compatible attachment coupler.

A skid steer equipped with tracks will provide superior traction in this application.

 **CAUTION** Make sure your skid steer is in good working condition. Follow the operating instructions found in the manual that accompanied your skid steer. Failure to do so could result in Minor or Serious Injury.


Unpacking Your Shipment

Your attachment arrives from the factory banded to a steel frame, and requires no final assembly.

 **CAUTION** Careless removal of the shipping bands that secure the implement to the pallet could result in Minor or Serious Injury. Clear the area of all bystanders and stand to the side when cutting the bands with a pair of sheet metal shears.

Using Your Implement

Connecting Rock Picker to Skid Steer


 **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.

Verify that the hydraulic hoses are clear from the front of the attaching plate on the attachment and that the mounting plate is free from dirt and debris. When clear, move the skid steer to proximity of attachment plate. Tilt skid steer coupler forward to align coupling point with the upper part on the attachment plate and raise the coupler slightly.



Connecting Coupler to Attachment

When the top edge of the coupler is seated in the top part of the coupler plate, roll the skid steer tilt function back until the attaching plate is flat against the skid steer coupler. Lock down the coupler levers. If equipped with a hydraulic coupler, actuate the attachment locks at this time.

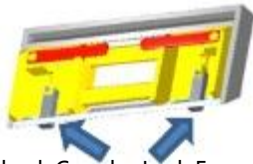
 **NOTICE** Wipe off any dirt or dust from the male or female hydraulic flat-face couplers with a clean rag before attaching hoses, to keep contaminants from entering the hydraulic system.

Connect the rock picker hydraulic hoses to the auxiliary circuit

connectors on the skid steer (Two hoses for standard flow attachments or three hoses for high flow attachments)

Check the surrounding area for bystanders and clear them before starting the skid steer or attachment.

Before operating the attachment, always visually inspect and verify that the coupler lock pins are fully engaged through the latch slots on the attachment plate.



Check Coupler Lock Engagement

Rock Picker Controls

This rock picker attachment uses the loader arm lift and the tilt controls of the skid steer loader. Consult your skid steer operator's manual for instructions on how to operate the lift and tilt controls.

Positioning the rock picker to one side or the other relies on the motion of the prime mover. To move the rock picker to the right, counter-rotate the skid steer to the right using the skid steer's drive controls. To move the rock picker left, counter-rotate the skid steer to the left using the skid steer's drive controls.

The auxiliary hydraulic control of the skid steer loader will provide hydraulic fluid flow to make the rock picker drum system rotate as necessary to remove rocks.

With practice, the operation of all the functions listed above will provide an easy means to pick rocks.

Before Using the Rock Picker the First Time

NOTICE If this is your initial startup with this attachment on this machine, check the skid steer's hydraulic oil level and add oil, if necessary, before and after doing steps 1- 3 below.

After starting skid steer, lift the attachment 8" - 10" (203 - 254mm) off the ground surface:

1. With the skid steer engine RPMs just above idle, engage the auxiliary hydraulic flow to the rock picker circuit. Rotate the drum to eliminate any air in the circuit.
2. Return rock picker to the level position and rest the attachment on the ground.
3. Apply the brake and shut off the skid steer's engine and exit the operator's compartment.
4. Check the skid steers hydraulic oil level, and add oil if necessary.
5. Inspect the rock picker's hydraulic plumbing for any noticeable leaks. Correct these leaks before continuing.

Getting Familiar with the Attachment

⚠ DANGER Never operate the rock picker when bystanders are within 20' (6 m) of your work area. Flying debris could result in Death or Serious Injury.

⚠ CAUTION Be cautious 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.

Before starting the skid steer engine with this rock picker attached, make sure you are knowledgeable and comfortable with the operation of the skid steer controls as outlined in the skid steer's Operator's Manual.

When operating the rock picker, set the skid steer throttle at a speed that provides the necessary flow to rotate the drum and the drive tires at the same time. Note: Contact your prime-mover's service department to help you set the engine RPM that will provide the correct flow to this attachment

Before Digging

⚠ WARNING Before digging into any surface, always contact the "Diggers Hotline" to identify underground utilities to avoid an accident that could result in Death or Serious Injury to the operator or fellow workers.



Locate Utilities First

⚠ WARNING Keep bystanders and co-workers away from the drum's

edge to avoid a cave-in that could result in Death or Serious Injury.

Section off your intended work area with cones and yellow barrier tape that includes not only the picking area, but also the travel direction of the prime movement. Stop operating if anyone steps inside the designated safety zone.

Picking Tips

⚠ WARNING Exposure to crystalline silica dust along with other hazardous dusts may cause serious or fatal respiratory disease. Wear a dust mask whenever working in dusty environments.

⚠ CAUTION Never operate this attachment when bystanders are in proximity of the work area that could result in Minor or Serious Injury from flying debris.

1. Operate at a safe -paced speed that will allow you to watch the area being excavated and the area around the skid steer.
2. Make sure you are operating the skid steer's engine at an rpm that will produce the volume of oil flow required for this attachment and skid steer's drive circuit
3. Do not use this attachment to "push" down trees.
4. Listen to your skid steer. If the rock picker circuit stalls, you may be taking too big of a load. Slow the travel speed and allow the machine to adequately handle the picking.
5. Lift the attachment above the ground surface before swinging the rock picker with the skid steer drive system.

6. If a curve in the picking path is necessary, plan a long sweeping cut with the rock picker attachment in the most vertical position possible.
7. Avoid excessive side loading on this attachment.
8. Do not actuate the drum rotation when engaging the implement into the ground.

Maintaining your Attachment

CAUTION

Not maintaining your implement correctly could result in Minor or Serious Injury. Keep your implement in top operating condition.

Before Every Use

Check that all fasteners (nuts, bolts, pins, keepers) are in their right place and are tight.

Inspect and replace any worn, torn or missing safety decals.

Pump No. 2 lithium or molybdenum disulfide grease into all required areas until you see old grease is being flushed out.

Investigate the location of any oil leaks and repair.

After every use, clean off any dirt residue with a garden hose and repeat grease application.

Every Week

Inspect the drum for any broken or bulging bars and welds.

After Every Season

Inspect the implement for any loose or worn parts that may need to be replaced prior to the next season.

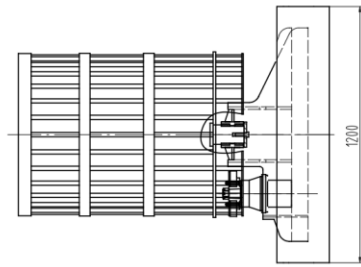
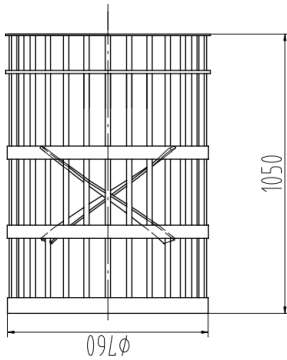
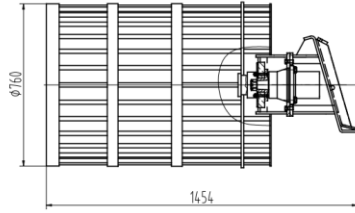
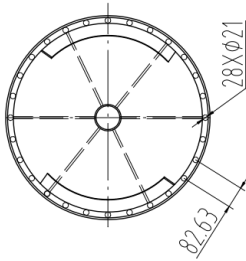
Clean, sand & repaint any area that looks worn or scratched to prevent further rusting. Use an equipment-paint found at your local hardware store or building center.

Lubricate all pivot joints. If located in an area near an ocean or other corrosive conditions, apply a thin layer of grease to any exposed cylinder rod surfaces. Wipe grease from cylinder rods with a clean rag when taking the attachment out of storage.

Store your implement in a shed or cover with a water-proof tarp to protect it from the weather. Store in an area not frequented by children.

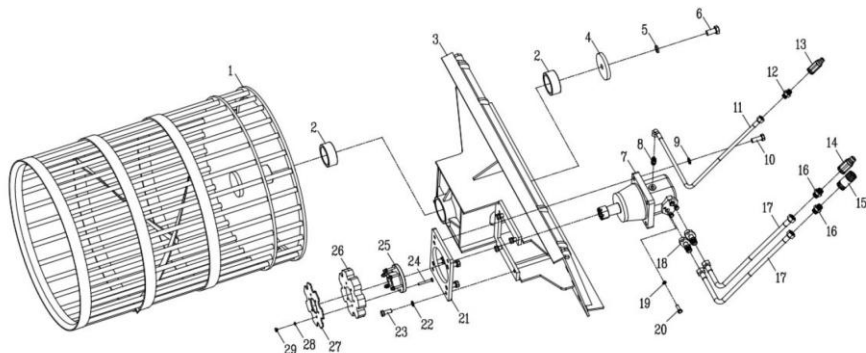
Dimension

Dimensions shown in millimeter:



Troubleshooting

Problem	Cause	Resolution
Drum will not attempt to turn at all when auxiliary hydraulics is activated.	Connection to prime mover's hydraulic system	Check and reconnect hoses to prime mover.
	Prime mover not producing oil flow in auxiliary circuit	Check prime mover's hydraulic system.
Drum tries to move when auxiliary hydraulics is actuated, but drum does not rotate freely.	Drum is bound up with dirt or rock(s).	Clean drum at spindle and motor connection.
	Obstruction in ground preventing rotation	Investigate and clear ground obstruction.
Drum cut tries to veer off in one direction	Too aggressive drive speed while picking	Slow down drive of prime mover.
Rock picker seems to be lacking power and speed	Drum is not turning freely	Check motor and check for dirt build-up on spindle and/or drive shaft.
	Lack of hydraulic flow to the attachment	Increase engine speed if not running at max RPMs.



NO.	Part No.	English	QTY/SET	REMARK
1	RP-001	Rock Screener body	1	
2	RP-002	Lubrication free bush	2	
3	RP-003	Mounting rack welded parts	1	
4	RP-004	Pressing plate	1	
5	RP-005	Gasket 20	1	
6	RP-006	Bolt, M20x40	1	
7	RP-007	Motor	1	
8	RP-008	End Straight Joint	1	
9	RP-009	Gasket 16	4	
10	RP-010	Bolt, M16x45	4	
11	RP-011	H type high pressure hose assembly	1	
12	RP-012	End Straight Joint	1	
13	RP-013	BSP 3/8" Coupling (optional)	1	
14	RP-014	BSP 1/2" Coupling (optional)	1	
15	RP-015	BSP 1/2" Coupling (optional)	1	
16	RP-016	End Straight Joint	2	
17	RP-017	H type high pressure hose assembly	2	
18	RP-018	Adapter for motor	2	
19	RP-019	Gasket 10	4	
20	RP-020	Bolt, M10x25	4	
21	RP-021	Motor mounting plate	1	
22	RP-022	Bolt, M14x35	4	
23	RP-023	Gasket 14	4	
24	RP-024	Allen Screw M8x65	6	
25	RP-025	Mounting plate of gear	1	
26	RP-026	Gear, nylon	1	
27	RP-027	Pressing plate	1	
28	RP-028	Gasket 8	6	
29	RP-029	Screw M8	6	