

# **SlatTrax**<sup>®</sup>

**SITE ACCESS • GROUND PROTECTION**

**OPERATORS' MANUAL (with parts list)**



**Dual Spool Storage Reel**  
(Dual 200 Foot Trax Capacity)



**Adjustable Spread Option**  
(92"-120" Outer Trax Range)

**U.S. Patent Nos. 8,784,002 and 8,998,529**  
**Products Made Exclusively in USA**  
**Trax™ Made from Recycled Plastics**

Exclusive Product of: **SlatTrax**<sup>®</sup>

**Property Props, Inc.**  
**Plymouth, MN 55446**  
**763-557-2809 or 877-781-7767**  
[www.SlatTrax.com](http://www.SlatTrax.com)

The SlatTrax system has been developed to roll out (and retrieve) Trax™ to support heavy equipment at work site while protecting the ground from unnecessary damage. The Trax themselves can also be purchased and/or handled manually as shown within this manual.

Contents:	Safety Instructions	Page 2
	Overview	Page 3
	Hydraulic & Drive Components	Page 4
	System Comparisons	Page 4
	Operation of SlatTrax Dual Systems	Pages 5-6
	Operating SlatTrax Adjustable Spread System	Pages 7
	Operating SlatTrax Storage Reel System	Page 8
	Maintenance & Parts	Page 9

**Warranty:** One-year warranty, including all mechanical parts and service/repair of same will apply only when operators have been trained by Property Props personnel or other satisfaction of training approved by Property Props.

**Contacts:** Property Props, Inc. 877-781-7767  
[www.PropertyProps.com](http://www.PropertyProps.com) 763-557-2809  
Thielen Machine & Welding (TMW Attachments) 320-453-3525  
[www.tmwattachments.com](http://www.tmwattachments.com)

## Safety



This safety alert symbol indicates important safety messages in this manual. When you see this symbol, carefully read the messages including all on this page and be alert to the possibility of death or serious injury.



Be sure the attachment is fully secure before operating equipment.



DO NOT operate or service this attachment unless you have read and understand the technical manual and have been properly trained in the machine's operation.



Refer to the operator's manual for your loader for all safety, operation, maintenance and transport information regarding the loader.



Keep 10 feet of clearance from the attachment when in operation.



No Riders – Riders falling off could be run over and injured or killed. Do not permit others to ride.



Hydraulic oil is a high pressure system. Make sure all lines and fittings are tight and in good condition. These fluids escaping under pressure can have sufficient force to penetrate skin and cause serious injury. NEVER check leaks by using any part of your body to feel for escaping fluids.



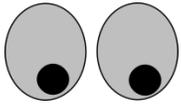
Be aware of all pinch points on the machine and keep clear of those areas.



Always replace worn or broken parts immediately after they are discovered. Do not use the attachment or system if any parts are not functioning properly.



Always keep safety and informational decals clean and visible. Replace decals that are damaged, lost, painted over or cannot be read.



# Overview of Dual Trax Systems



Hydraulic Hoses and Couplers

Outer and Center Wings

Spools

Check Strap

Spool Harnesses

Trax

## Basic Components of Dual Trax System

**Hydraulic Hoses and Couplers** Standard dual lines with 90° couplers

**Outer and Center Wings** Contoured to assist alignment of Trax onto spools during retrieve (roll-up) of Trax  
Center wing also houses operations manual tube and training document as well as the chain drive

**Hydraulic Motor** Ample hydraulic fluid flow and torque to handle the Trax in deployment (roll-out) and retrieval

**Spools** Metal drums affixed to hexagonal axle and notched for spool harnesses so that sections of Trax can be attached to the drums to create spools of Trax for transport, roll-out, and retrieval

**Strapping** PVC impregnated polyester strapping fastened to each slat member of Trax with 3/4" hexagonal-head screws

**Check Strap** Designed to secure Trax in transit and storage; buckles on this strap connect to loops of strapping at terminal point of Trax

**Slats** Slats are manufactured with recycled plastics and feature a "t-groove and u-slot" profile which allows slats to be secured together and also to adapt to rolled configuration

**Trax** Slats are assembled into 25' sections which can be disconnected so that the section can be maneuvered manually to arrange the Trax into necessary positions depending on the required track base for different equipment and to reposition, including curvatures, for various terrain or jobsite requirements



## Operation of SlatTrax Dual Systems



**Connect hydraulic couplers to skid loader.  
Elevate the spools during transport to worksite.**



**Begin rollout of the Trax turning the spools to lower the Trax to the ground.  
They should be positioned so that they are beneath the spools as rollout  
begins. Operate rollout (and retrieval) with spotter.**



**WRONG**

**Some amount of slack should be allowed as the Trax roll off of the spools, but  
avoid “roll-back” of the Trax underneath the spools as the spine holding the  
slats together will break. Avoid “pulling” Trax off spool with excessive tension.**



## Operation of SlatTrax Dual Systems - Continued



Sections of Trax are joined with a grip strap which loops over the opposing section end which has a recessed grip slot. The sections can be handled manually to provide the desired layout of the Trax for the jobsite.



Trax can be rolled up when not in use to allow ground to breathe and recover.



To retrieve the Trax, reconnect straps to the spools. Raise attachment and re-rewind two 2-3 layers of Trax onto spools. Back loader away, stop and continue re-rewinding the Trax. This can be done at different intervals - even re-rewinding the complete 100' of Trax. Be sure the Trax are aligned to reload onto the spools.

## Manual Handling of Trax



When covering hardscape (e.g. sidewalks, driveways) grip the Trax and walk them away from spools as skid loader operator controls release. This results in the fasteners to be on the upper side so that they do not scratch the hardscape. Manually maneuver the Trax into positions necessary for various vehicles, etc. including curvature of the Trax as shown above.



Rolling the Trax up manually and moving them off of primary traffic lane will help ground to breathe and recover when working over consecutive days on job site. Trax can also be stored and transported on pallets when rolled up (strapping on interior results in tighter rolls).

## SlatTrax Tolerance

Ground conditions will determine the final extent of depression or damage that vehicles may do which will result in more or less ground repair. It is not possible to predict outcomes or measure the tolerance of SlatTrax for every ground condition.



## Operation of SlatTrax Dual Adjustable Spread System

The Adjustable Spread System allows for broader ground coverage so that larger vehicle wheels/tracks are more centered on the Trax at the worksite. The width of this unit (in addition to the standard 42" system) is 100" which is within DOT width limits.



A control knob is located at left side (skid loader cab perspective) of the attachment. It is engaged to allow the hydraulics to spread the Trax to wider profile (up to 120" outer edges as shown on photo lower right). The knob is disengaged to reverse the process (i.e., to narrow the spread or return to standard lower limit of 100").



120"

## Operation of SlatTrax Dual Storage Reel System



**Position empty attachment in front of storage reel. Turn off and release hydraulic pressure. Remove attachment couplers and remove both sets of hoses from reel. Connect shorter hoses to the couplers on the attachment and the longer hoses to the skid loader.**



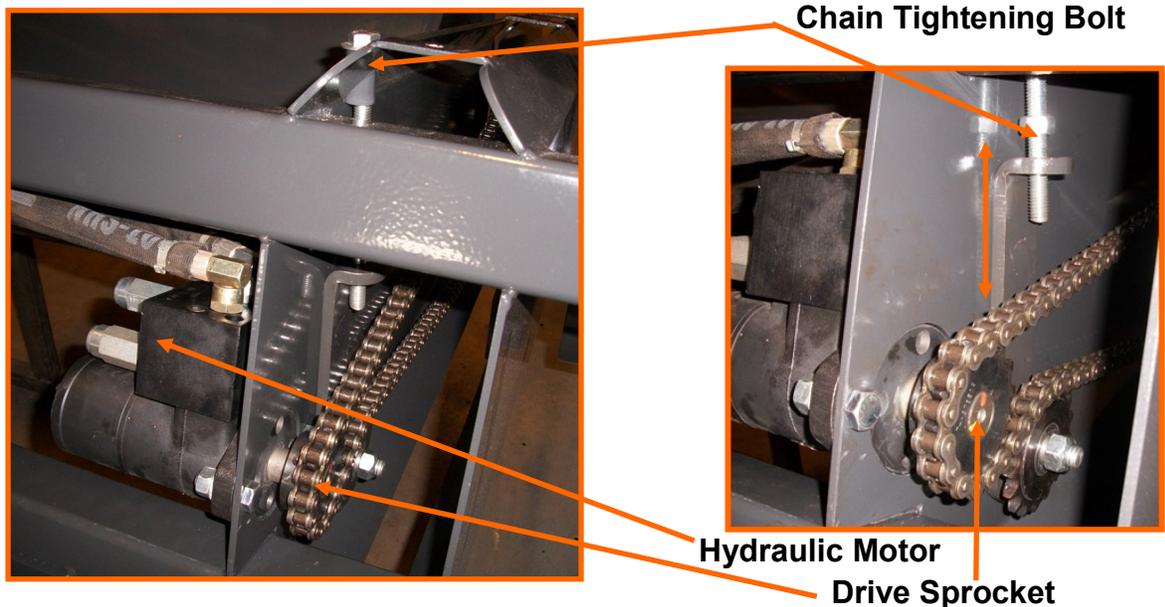
**Move the levers on the Flow Control (above left) back and forth as necessary to relieve pressure in lines to couplers or to release the hose connections. The Flow Control operates the speed of rotation of the reel and the spools on the attachment. Release brake on reel, connect Trax to harnesses on the attachment and proceed with loading Trax onto the attachment.**



**Operate the Flow Control levers to adjust speed of spool rotations on the reel and the skid loader. Reel can also be powered independently with auxiliary motor to deploy or retrieve Trax to handle them manually on the ground as shown on photo above right.**

# Hydraulics & Drive Components

The hydraulic motor is located on the left rear side (cab perspective) of the center "wing" of the attachment. When activated, it turns the drive sprocket which in turn drives the chain connected to the driven sprocket which turns the spools. The spools are on a single hexagonal shaft which turn simultaneously (forward or reverse). Additionally, the chain tightness can be adjusted by turning the bolt which raises or lowers the third sprocket (tightening



# System Comparisons



System	Dual 36"	Dual 42"	Adjustable Spread	Storage Reel
Trax Width	36"	42"	42"	42"
Length of Dual Trax	100'	100'	100'	200'
Trax Coverage	88"	92"	92"-120"	N/A
25' Sections	4 each side	4 each side	4 each side	8 each side
Weight of 25' Section	188 lbs.	218 lbs.	218 lbs.	218 lbs.
Weight of System	2,170 lbs.	2,400 lbs.	2,835 lbs.	4,370 lbs.



## Maintenance & Parts

Always replace worn or broken parts immediately after they are discovered. Do not use SlatTrax system if any parts are not functioning properly. Inspect all mounting openings, flanges, and welds before mounting Attachment to or when removing from loader.

Part #	Description	Dual System 36" or 42"	Adjustable Spread System	Storage Reel
2483	Hydraulic Hoses - Specify Length	X	X	X
2486	Hydraulic Motor	X	X	X
3171	Hydraulic Motor Guard	X	X	
2359	Storage Tube for Technical Manual and Trainer	X	X	
2493	Hydraulic Coupler - Male	X	X	X
2494	Hydraulic Coupler - Female	X	X	X
N/A	Slatz – Individual Pieces for Trax 36" or 42"	X	X	X
N/A	Strapping – PVC Impregnated Polyester	X	X	X
N/A	14 x 3/4" Hex Head Fasteners	X	X	X
N/A	Spool Harness Strapping with Buckle	X	X	X
2206	Bearings	X	X	X
N/A	Roller Chain #50	X	X	X
5015	Sprocket on Motor (Drive)	X	X	X
5045	Sprocket on Spool Shaft (Driven)	X	X	X
N/A	Tensioning Bolt 1/2" x 8" Full Thread	X	X	X
2934	Tensioning Brace	X	X	X
5017	Idler Sprocket (Tension)	X	X	X
N/A	Check Strap	X	X	
2935	Hose Storage Holder	X	X	X

For all questions regarding parts, operation, or product requests please contact the following:



763-557-2809 or toll free 877-781-7767

Training Video and Operators Manual may also be viewed on line at [PropertyProps.com](http://PropertyProps.com)

Publication Information: SlatTrax Operator's Manual 3rd Edition (10/2017)

© Property Props Inc., DBA SlatTrax All rights reserved