

Roll-Rite® STS Series

For End Dump Trailers



Safe, Secure, Automated Tarping
with Arm-Style 'Lock-Down' Systems

Roll-Rite® STS Series for automated tarping delivers unmatched safety, durability, and efficiency. Engineered to fit end dump trailers, our Rite-Lock™ arm technology locks-down your tarp for maximum containment—so you can secure every load and keep your business moving.



A Clarience Technologies Company

Quality, durable components engineered for tarping heavy duty end dump trailers.

STS Series tarp systems for end dump trailers may include:



TarpStretcher® Electric Motor

- Extreme-duty engineered exclusively for side roll tarping
- Patented brake technology for controlled, efficient operation
- Highest output motor for fast, reliable tarping performance
- Glass-filled nylon casing for superior impact resistance
- Virtually corrosion-proof housing with bold, durable profile
- Industry's only 5-year non-prorated warranty against premature wear



Rite-Lock™ Arm Technology

- High-strength, specially treated extruded aluminum alloy arms
- Patented knuckle pivot for smooth, compact side-tarping operation
- Allows axle to climb heaped loads while maintaining constant tarp tension
- Improved control in windy conditions
- Low-profile design keeps operation close to trailer top, reducing overhead hazards
- Lock-Down coverage for maximum load containment and protection



Single Arm Power Kit

- Compatible with standard rear bungee-assisted tarp return
- Optional spring-powered rear tarp return available (shown above, details facing page)



Dual Arm Power Kit

- Includes front power kit arm and patented MultiFlex™ rear arm (details facing page)
- Multi-directional rear arm allows full tailgate operation



Rite-Touch™ Control

- Standard Rite-Touch rocker control with trailer-mounted enclosure and one-touch wireless controls included
- Waterproof enclosure prevents corrosion
- Eliminates need for in-cab switch



Axle Kit (sold separately)

- Axle Kit with Ridgepole is most common
- 3-inch diameter axle provides stiffness for smooth, even operation
- Optional configurations available, including bows or axle kit without ridgepole

Mounting Styles:

Various mounting styles based on trailer needs are available:



Standard trailer mounting bracket included



Wedge nose mounting bracket option (obsolete pivot box shown)

DUAL ARM POWER KIT WITH MULTIFLEX™ REAR ARM

Dual Arm Power Kit For End Dump Trailers contain:

- Rite-Lock™ Dual Arm Power Kit
- One Top Mount Pivot
- MultiFlex Rear Arm Return



MultiFlex™ Rear Arm Features:

(Included with Dual Arm Kit):

- “Multi” Directional Rear Arm Flexibility allows full operation of all tailgates, including standard dump, high lift, barn door, and split gates
- Heavy Duty Cable Design is unaffected by cold and will not dry rot like other products on the market
- Designed for Easy Retrofits. MultiFlex attaches to existing 2” roll pipe via a thick-wall polymer bushing that virtually eliminates wear issues
- Bushing-mounted external pivot with bushings eliminates metal-on-metal contact



SINGLE ARM POWER KIT

Single Arm Power Kit For End Dump Trailers contain (axles sold separately):

- Rite-Lock™ Single Arm Power Kit
- One Top Mount Pivot



Option Shown: Spring-Powered Rear Tarp Return (below)

OPTIONS: Spring-Powered Rear Tarp Return



For Single Arm Power Kits:
#38500/#38510:

- Self-contained, chrome-finished rotary unit powers heavy duty 1-inch webbed strap
- Improved tarp return action with over 3-times the pull-back force of average bungee returns
- Longer life than average bungee returns
- Improved weather resistance. Unlike bungee returns, our Tarp Return is unaffected by cold



Rite-Touch™ Wireless Remote Control

Single Function: Industry's 1st Amp Sensing Technology:

- Opens/closes the tarp automatically.
- Amp Sensing stops the tarp automatically and prevents overwinding of the tarp to protect the system
- Safely and efficiently operate the one-touch feature from the comfort of your cab or from a 360° walk-around position
- Control box features sealed membrane push buttons for backup manual operation and corrosion prevention

End Cap Styles:

End cap styles available:

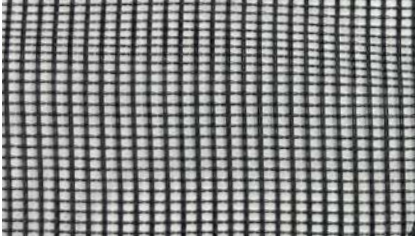


Solid (Aluminum):
Rigid installation



Fabric: Recommended for
most applications

Roll-Rite® Tarps



PREMIUM MESH

LOAD TYPE

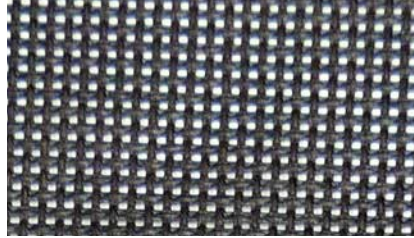
Aggregates, general

FABRIC

7.7 oz premium 7.5x5 weave with two 1000 denier polyester UV coated twisted strands (1500D x 1000D)

KEY BENEFIT

Premium strength, longer life cycle than industry standard mesh



HD MESH

LOAD TYPE

Wood Chips, Waste

FABRIC

15 oz. premium PVC-coated 6x6 weave with three 1300-denier high tenacity polyester threads that form a single 3900-denier strand

KEY BENEFIT

Meets the durability needs of demanding debris



HD VINYL (18 OZ)

LOAD TYPE

Moisture or temperature sensitive

FABRIC

18 oz. Heavy Duty waterproof vinyl (cold crack resistance -40°F)

KEY BENEFIT

Waterproof material to keep loads mostly dry or maintain temperature range

Proud Members:



LEARN MORE ABOUT
STS Series:



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Automated Covering Solutions

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