X31HT HIGH TENSION TENDER KIT

OPTIMIZED FOR STRAIGHT-LINE CONNECTION SYSTEMS

Tractor-trailer connection systems continue to evolve from coiled-line components to straight-line systems which offer many performance advantages. Until now, the complimentary components used to suspend and control connection lines have lagged in development and limited the overall application performance of these evolved systems.

An **INDUSTRY-FIRST FROM TRAMEC SLOAN**, the X31HT "High Tension" tender spring design provides optimized suspension and control performance for straight-line tractor-trailer connection systems.

SUPERIOR SUSPENSION PERFORMANCE

- Heavy duty design eliminates "sag and snag" failures caused by weak, overloaded springs that are commonly found on connection systems

CONTROL PERFORMANCE

- The X31HT provides reliable spring "snap-back" after vehicle articulation events, even after years of stretch-and-relax cycles
- Incorporates optimized spring-steel that prevents "spring bounce" and the resulting "sawing" effect that damages the paint and finish on the back of the tractor cab, often leading to tractor body corrosion

EXTENDED LIFE

- The X31HT tender spring-steel is galvanized prior to coiling to ensure exceptional corrosion resistance throughout the life-cycle of the spring



AVOID CORRODED & STRETCHED SPRINGS
Our spring is galvanized for exceptional corrosion resistance and designed to withstand years of stretch-and-relax cycles.

NO MORE SAWING
Designed using spring-steel with an optimized length, the X31HT minimizes "spring bounce" which causes the sawing effect that damages the cab finish.



HEAVY-DUTY WIRE GATED CARABINER for superior strength, corrosion resistant and easier installation

EXCLUSIVE SPRING DESIGN
- Heavy-Duty Spring Steel eliminates "sag and snag" failures
- Optimized length to eliminate spring overload for straight-line applications
- Larger spring for high performance suspension and control



+38% SPRING DIAMETER
vs. The Competition



+17% GAUGE THICKNESS
vs. The Competition

Durable, composite **X31C WIDE BODY CLAMP*** with easy adjustability to extend the life of 3-in-1 Wrap *(optional)*.

** U.S. PATENT NO. 12,013,062*

X31HT TENDER KIT

X31HT TENDER KIT OFFERINGS

P/N	DESCRIPTION	LENGTH	SPRING	SLEEVE	CARABINER	CLAMP
FS216HTX31	Single Tender Kit	16"	1	1	2	X31C (1)
FS216HTV3	Single Tender Kit	16"	1	1	2	X31V3 (1)
FS216HT	Single Tender Kit	16"	1	1	1	NONE
FS225HTX31	Single Tender Kit	25"	1	1	2	X31C (1)
FS225HTV3	Single Tender Kit	25"	1	1	2	X31V3 (1)
FS225HT	Single Tender Kit	25"	1	1	1	NONE
FS2252HTX31	Dual Tender Kit	25"	2	2	4	X31C (2)
FS2252HT	Dual Tender Kit	25"	2	2	2	NONE

1. **HEAVY-DUTY WIRE GATED CARABINER** that withstands 600lbs pull force and secures the wrap in place
2. **MULTI-LAYER CONNECTION POINT** eliminates failures at this critical load-bearing point
3. **ERGONOMIC THUMB & FINGER GRIPS** to aid installation & adjustments
4. **INTERIOR MOLDED GRIPPING AREA** prevents line shifts
5. **SIZED TO CORRECTLY FIT** ABS cable on the bottom & air brake hose in the top two slots
6. **ROBUST HINGE DESIGN** in an optimized location for durability and extended life



P/N: FS1031 FOR 3-IN-1 WRAPS

P/N: FS1003



A FEATURED PRODUCT IN OUR PREMIUM TRACTOR-TRAILER CONNECTION SYSTEMS

FleetSet™



Available with or without clamps

Use with our **X31C OR X31V3 CLAMPS**

U.S. PATENT NO. 12,013,062 & 12,366,308

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